

SCRIPPS HOWARD

# SCRIPPS TREASURE COAST NEWSPAPERS

The Stuart News  
The Port St. Lucie News

1939 S. Federal Highway, Stuart, FL 34994

## AFFIDAVIT OF PUBLICATION

STATE OF FLORIDA  
COUNTY OF MARTIN; COUNTY OF ST. LUCIE

Before the undersigned authority personally appeared, S. Darlene Mailing, who on oath says that she is Classified Inside Sales Manager of the Stuart News and the Port St. Lucie News, a daily newspaper published at Stuart in Martin County, Florida; that the attached copy of advertisement was published in the Stuart/Port St. Lucie News in the following issues below. Affiant further says that the said Stuart/Port St. Lucie News is a newspaper published in Stuart in said Martin County, Florida, with offices and paid circulation in Martin County and St. Lucie County, Florida, and that said newspapers have heretofore been continuously published in said Martin County, Florida, daily and distributed in Martin and St. Lucie County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid or 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. The Stuart News has been entered as Periodical Matter at the Post Offices in Stuart, Martin County, Florida and Ft. Pierce, St. Lucie County, Florida and has been for a period of one year next preceding the first publication of the attached copy of advertisement.

<u>Customer</u>	<u>Ad Number</u>	<u>Pub Date</u>	<u>Copyline</u>	<u>PO #</u>
INDIANTOWN COGENERAT	1273949	11/25/2005	NOTICE OF INTENT	0850102-008-AC

RECEIVED  
DEC. 02 2005

BUREAU OF AIR REGULATION

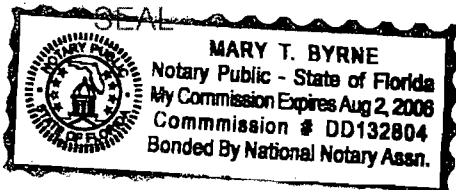
Subscribed and sworn to me before this date:

November 25, 2005

*S. Darlene Mailing*

*Mary T Byrne*

Notary Public



PUBLIC NOTICE OF INTENT TO ISSUE  
AIR CONSTRUCTION PERMIT  
STATE OF FLORIDA  
DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
DRAFT Permit Project No. 0850102-008-AC  
Indiantown Cogeneration Plant  
Martin County

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The Department of Environmental Protection (Department) gives notice of its intent to issue air construction permit to Indiantown Cogeneration, L.P., for the Indiantown Cogeneration Plant, located at 13303 SW Silver Fox Lane, Indiantown, Martin County. The permit is to install two identical auxiliary boilers rated at a combined 350 MMBtu/hr at the existing facility. The boilers will only fire natural gas or propane and be limited to a combined 5000 hours per year of operation. The applicant's mailing address is: Indiantown Cogeneration, L.P., P.O. Box 1799, Indiantown, FL 34956.

A Best Available Control Technology (BACT) determination was not required pursuant to Rule 62-212.400, F.A.C. AND 40 CFR 52.21, Prevention of Significant Deterioration (PSD). An air quality impact was not conducted, or required.

The Department will issue the Final permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of this Public Notice of Intent to Issue Air Construction Permit. Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Sections 120.569 and 120.57 of the Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of the notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of the notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Department for notice of agency action may file a petition within fourteen 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 applicable 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 will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

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; 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 petitioner's substantial rights will be affected by the agency determination; (c) A statement of how and when the petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle petitioner to relief; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and, (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts 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.

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 notice of intent. 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.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

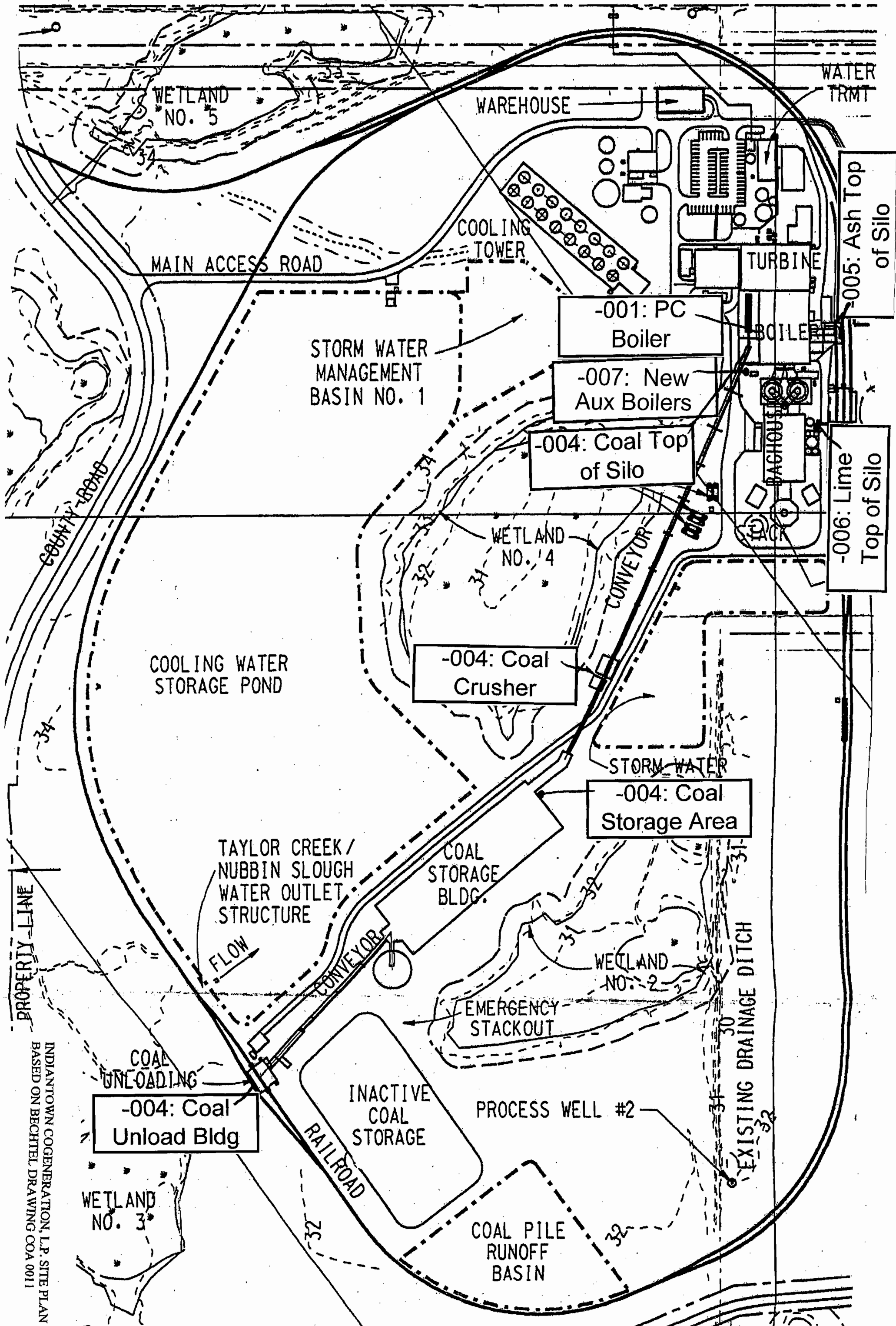
Department of Environmental Protection  
Bureau of Air Regulation  
111 South Magnolia Drive, Suite 4  
Tallahassee, Florida 32301  
Telephone: 850/488-0114  
Fax: 850/922-6979

Department of Environmental Protection  
Southeast District Office  
400 North Congress Avenue  
West Palm Beach, Florida 33416-5425  
Telephone: 561/681-6600  
Fax: 561/681-6755

The complete project file includes the DRAFT Permit Renewal, the application for renewal, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, North Permitting Section, at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information. The Technical Evaluation and Preliminary Determination as well as the Draft Permit may be viewed at <http://www.dep.state.fl.us/Air/permitting/construction.htm>

Publish: November 25, 2005 1273949

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of  
rs.  
de



PROPERTY LINE

INDIANTOWN COGENERATION, L.P. SITE PLAN  
BASED ON BECHTEL DRAWING COA 0011

WETLAND NO. 5

WAREHOUSE

WATER TRMT

MAIN ACCESS ROAD

COOLING TOWER

TURBINE

STORM WATER MANAGEMENT BASIN NO. 1

-001: PC Boiler

-007: New Aux Boilers

-004: Coal Top of Silo

-005: Ash Top of Silo

-006: Lime Top of Silo

WETLAND NO. 4

COOLING WATER STORAGE POND

-004: Coal Crusher

STORM WATER  
-004: Coal Storage Area

TAYLOR CREEK / NUBBIN SLOUGH WATER OUTLET STRUCTURE

COAL STORAGE BLDG.

WETLAND NO. 2

EMERGENCY STACKOUT

COAL UNLOADING  
-004: Coal Unload Bldg

INACTIVE COAL STORAGE

PROCESS WELL #2

WETLAND NO. 3

RAILROAD

COAL PILE RUNOFF BASIN

EXISTING DRAINAGE DITCH



# Florida Department of Environmental Protection

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

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

April 5, 2007

## Electronic Mail – Received Receipt Requested

Mr. Gary Willer, General Manager  
Indiantown Cogeneration, L.P.  
Post Office Box 1799  
13303 SW Silver Fox Lane  
Indiantown, Florida 34956

Re: Extension Request/DEP File No. 0850102-008-AC  
Two Natural Gas/Propane-fired Auxiliary Boilers

Dear Mr. Willer:

The Department has reviewed your letter (attached) received on March 20, 2007, requesting an extension of the expiration date of the above referenced permit from June 30, 2007 to September 30, 2007. After reviewing the submitted information, the expiration date of the referenced permit is hereby extended through **September 30, 2007** for the purposes of completing the installation and startup of the two natural gas/propane fired auxiliary boilers.

As recognized in your request, the new units shall comply with the requirements 40 CFR 60 Subpart Db, 40 CFR 63 Subpart DDDDD and all conditions as set forth in Air Construction Permit No. 0850102-008-AC.

A copy of this notice of intent shall be filed with the referenced permit and shall become part of the permit. This permitting decision is issued pursuant to Chapter 403, Florida Statutes.

The Department's proposed agency action shall become final unless a timely petition for an administrative determination (hearing) is filed under sections 120.569 and 120.57, F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen 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 discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department'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 interests will be affected by the agency

determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition 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 rules or statutes; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department'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.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above. Mediation is not available in this proceeding.

This permitting decision is final and effective on the date filed with the clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition pursuant to Rule 62-110.106, F.A.C., and the petition conforms to the content requirements of Rules 28-106.201 and 28-106.301, F.A.C. Upon timely filing of a petition or a request for extension of time, this order will not be effective until further order of the Department.

Any party to this permitting decision (order) has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief  
Bureau of Air Regulation

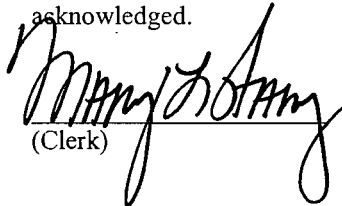
**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Intent and all copies were sent electronically (with Received Receipt) before the close of business on 4/5/07 to the person(s) listed below.

- Gary Willer, ICLP: [Gary.Willer@negt.com](mailto:Gary.Willer@negt.com)
- Nick Laryea, ICLP: [Nicholas.Laryea@negt.com](mailto:Nicholas.Laryea@negt.com)
- Darrel Graziani, SED: [Darrel.Graziani@dep.state.fl.us](mailto:Darrel.Graziani@dep.state.fl.us)

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

  
(Clerk)

4/5/07  
(Date)

A copy of the request for extension is attached.

Enclosure

**BEST AVAILABLE COPY**

**Indiantown Cogeneration, L.P.**

Indiantown Cogeneration, L.P.  
P.O. Box 1799  
13303 SW Silver Fox Lane  
Indiantown, FL 34956

772.597.6500  
Fax: 772.597.6210

RECEIVED

MAR 2 2007

March 19, 2007

BUREAU OF AIR REGULATION

Trina L. Vielhauer, Chief  
Florida Department of Environmental Protection  
Bureau of Air Regulation  
2600 Blair Stone Road, M.S. 5500  
Tallahassee, Florida 32399-2400  
850-488-0114

**Re:            *Request for Extension of Performance Test Deadline***  
***Request for Extension of Title V Application Revision Submission Deadline***  
***Request for Extension of Air Pollution Construction Permit***  
***Indiantown Cogeneration L.P. Permit No. 0850102-008-AC***

Indiantown Cogeneration, LP (ICLP) is requesting an extension of the following related requirements: conducting stack testing on one of two auxiliary boilers; submitting the Title V revision application for the two auxiliary boilers; and the expiry date for the air construction permit 0850102-008-AC for the two auxiliary boilers.

Technical problems with the boilers delayed the commissioning process. First-fire occurred in Auxiliary Boiler 1 on October 24, 2006, but there was a significant delay in achieving full-load operation. The second boiler is being installed and first fire is expected soon. Because of these technical problems, air construction permit 0850102-008-AC was extended by you until June 30, 2007.

**Performance Test**

The performance test is required to be conducted within 180 days after startup of the source, per the following requirements: air construction permit 0850102-008-AC Specific Condition #21; 40CFR§60.8(a); and 40 CFR§63.7510(d). This letter requests an extension of all of these related requirements.

We are working diligently to get testing scheduled and performed. A separate notification letter being sent today informs the Department that performance testing for both Auxiliary Boilers is scheduled for April 25 and 26, 2007. To allow for any further technical or logistical problems, we are requesting an extension to the Auxiliary Boiler 1 performance test deadline to June 30, 2007.

### **Title V Permit Revision Application**

Because the Title V permit revision application must include compliance test results, we are also requesting an extension to the deadline to submit the Title V permit revision application. General Condition #9 of Air Construction Permit 0850102-008-AC states that the revision application must be submitted at least ninety days prior to the expiration of the construction permit, but no later than 180 days after commencing operation. To allow time to receive and review test results, we are requesting an extension to the requirement to submit the Title V permit revision application until August 15, 2007.

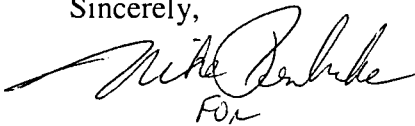
### **Air Pollution Construction Permit**

Because, per the above, testing of the sources and submittal of the Title V permit revision application may be delayed, we are requesting an extension to the air construction permit 0850102-008-AC until September 30, 2007. This will allow sufficient time to ensure that the performance test results and the Title V permit revision application are administratively complete. It is our understanding that the auxiliary boilers can then operate per the conditions of the air construction permit in compliance with 62-213.412, *Immediate Implementation Pending Revision Process*. Please let us know if this is not the case.

We can provide reasonable assurances that, upon completion, the extended permit will comply with the standards and conditions required by the applicable regulation. Specifically, we have purchased package boilers designed to meet the following: 40 CFR 60 Subpart Db; 40 CFR 63 Subpart DDDDD; and each of the permit conditions set forth in air pollution construction permit 0850102-008-AC. We will continue to work with the package boiler vendor to complete installation, startup, and testing of boilers that achieve full-load operation and meet these requirements.

Thank you for your attention to this request. Please contact Nick Laryea at 772-597-6500 extension 19 with any questions or comments.

Sincerely,



For

Gary Willer  
General Manager

cc: Darrel Graziani  
AJ Jablonowski  
Lauren Billheimer  
Nick Laryea, ICLP  
File

**Adams, Patty**

---

**From:** Harvey, Mary  
**Sent:** Thursday, April 05, 2007 1:30 PM  
**To:** 'GaryWiller@cogentrix.com'; 'NicholasLaryea@cogentrix.com'; Graziani, Darrel  
**Cc:** Cascio, Tom; Adams, Patty; Gibson, Victoria  
**Subject:** Extention Leter - Project #0850102-008-AC - Indiantown Cogeneration, L.P.  
**Attachments:** EXTENSION LETTER- Gary Willer - Indiantown Cogeneration, L.P. #0850102-008-AC.pdf

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <http://www.adobe.com/products/acrobat/readstep.html>.

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

DEP, Bureau of Air Regulation



**Adams, Patty**

---

**From:** Harvey, Mary  
**Sent:** Thursday, April 05, 2007 1:35 PM  
**To:** 'GaryWiller@cogentrix.com'; 'NicholasLaryea@cogentrix.com'; Graziani, Darrel  
**Cc:** Cascio, Tom; Adams, Patty; Gibson, Victoria  
**Subject:** FW: Extension Letter - Project #0850102-008-AC - Indiantown Cogeneration, L.P.  
**Attachments:** EXTENSION LETTER- Gary Willer - Indiantown Cogeneration, L.P. #0850102-008-AC.pdf

Corrected Copy.

Thanks,  
Mary

---

**From:** Harvey, Mary  
**Sent:** Thursday, April 05, 2007 1:30 PM  
**To:** 'GaryWiller@cogentrix.com'; 'NicholasLaryea@cogentrix.com'; Graziani, Darrel  
**Cc:** Cascio, Tom; Adams, Patty; Gibson, Victoria  
**Subject:** Extension Letter - Project #0850102-008-AC - Indiantown Cogeneration, L.P.

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Thank you,

DEP, Bureau of Air Regulation

4/6/2007

**Adams, Patty**

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**From:** Harvey, Mary  
**Sent:** Thursday, April 05, 2007 3:24 PM  
**To:** Adams, Patty  
**Subject:** FW: Extension Letter - Project #0850102-008-AC - Indiantown Cogeneration, L.P.

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**From:** Laryea, Nicholas [mailto:NicholasLaryea@Cogentrix.com]  
**Sent:** Thursday, April 05, 2007 3:03 PM  
**To:** Harvey, Mary  
**Cc:** Willer, Gary  
**Subject:** RE: Extension Letter - Project #0850102-008-AC - Indiantown Cogeneration, L.P.

Thanks Mary  
Nick

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**From:** Harvey, Mary [mailto:Mary.Harvey@dep.state.fl.us]  
**Sent:** Thursday, April 05, 2007 1:35 PM  
**To:** Willer, Gary; Laryea, Nicholas; Graziani, Darrel  
**Cc:** Cascio, Tom; Adams, Patty; Gibson, Victoria  
**Subject:** FW: Extension Letter - Project #0850102-008-AC - Indiantown Cogeneration, L.P.

Corrected Copy.

Thanks,  
Mary

---

**From:** Harvey, Mary  
**Sent:** Thursday, April 05, 2007 1:30 PM  
**To:** 'GaryWiller@Cogentrix.com'; 'NicholasLaryea@Cogentrix.com'; Graziani, Darrel  
**Cc:** Cascio, Tom; Adams, Patty; Gibson, Victoria  
**Subject:** Extension Letter - Project #0850102-008-AC - Indiantown Cogeneration, L.P.

Dear Sir/Madam:

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The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

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Thank you,

4/6/2007

## Adams, Patty

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**From:** Harvey, Mary  
**Sent:** Thursday, April 05, 2007 3:24 PM  
**To:** Adams, Patty  
**Subject:** FW: FW: Extension Letter - Project #0850102-008-AC - Indiantown Cogeneration, L.P.

---

**From:** Willer, Gary [<mailto:GaryWiller@coentrix.com>]  
**Sent:** Thursday, April 05, 2007 3:03 PM  
**To:** Harvey, Mary  
**Subject:** Read: FW: Extension Letter - Project #0850102-008-AC - Indiantown Cogeneration, L.P.

Your message

To: [GaryWiller@coentrix.com](mailto:GaryWiller@coentrix.com)  
Subject:



was read on 4/5/2007 3:03 PM.


Florida Department of  
Environmental Protection

Memorandum

---

TO: Michael G. Cooke

THRU: Trina Vielhauer   
J. F. Koerner 

FROM: Michael P. Halpin 

DATE: December 12, 2005

SUBJECT: Indiantown Cogeneration Plant, L.P.  
DEP File No. 0850102-008-AC, PA 90-31

Attached is the final air construction permit for Indiantown Cogeneration Plant, located in Martin County. The applicant has requested permission to install two new, identically sized package boilers for the firing of natural gas or propane. Based upon the submitted information and other readily available documentation, reasonable assurance exists that Indiantown can accommodate this installation without exceeding any of the PSD thresholds (which would otherwise prompt a BACT Determination).

Notice was published in the Stuart/Port St. Lucie News on November 25, 2005. No comments were received, other than two minor comments from the applicant (which are accommodated within this issuance).

I recommend your approval.

Attachments

/mph

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Construction Permit (including the Final Notice of Permit and the Final Determination) was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 12/22/05 to the person(s) listed:

Nicholas Laryea, Indiantown Cogeneration, L.P. \*  
Gary E. Willer, General Manager, Indiantown Cogeneration, L.P. \*  
William Cannon, P.E. Earth Tech, Inc.  
Darrel Graziani, SED-DEP  
Gregg Worley, EPA  
John Bunyak, NPS

Clerk Stamp

**FILING AND ACKNOWLEDGMENT**  
FILED, on this date, pursuant to §120.52,  
Florida Statutes, with the designated  
Department Clerk, receipt of which is  
hereby acknowledged.

Mary L. Army  
(Clerk)

12/22/05  
(Date)

**FINAL DETERMINATION  
INDIANTOWN COGENERATION, L.P.  
INDIANTOWN COGENERATION PLANT  
PSD PERMIT MODIFICATIONS**

The Department distributed a Public Notice package on November 9, 2005 for the project allowing for the installation of two identically sized propane/natural gas-fired auxiliary (package) boilers. The subject facility is the Indiantown Cogeneration Plant located at 13303 SW Silver Fox Lane, Indiantown, Martin County. The Public Notice of Intent to Issue was published on November 25 in Stuart/Port St. Lucie News.

No comments were received from the public.

No comments were received from the Fish and Wildlife Service or the U.S. Environmental Protection Agency (EPA).

Two comments were received from the applicant and both comments were accepted and incorporated into the final permit. The first comment indicated that the facility is exempt from the acid rain provisions of Title IV, based upon 40CFR72.6(b)(5). Within the second comment, the applicant requested a correction to the SO<sub>2</sub> emission factor utilized in the application. The corrected emission factor increased the projects SO<sub>2</sub> emissions to 5.3 TPY, still well below PSD thresholds.

**CONCLUSION**

The final action is to issue the permit with the two changes identified above.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF PERMIT

In the Matter of an  
Application for Permit by:

Mr. Nicholas Laryea, Authorized Representative  
Indiantown Cogeneration, L.P.  
P.O. Box 1799  
Indiantown, Florida 34956

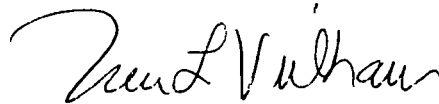
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Facility I.D. No. 0850102  
DEP File No. 0850102-008-AC, PA90-31  
Indiantown Cogeneration, L.P.  
Martin County

Enclosed is Permit Number 0850102-008-AC allowing for the installation of two new identically sized auxiliary boilers. The subject facility is the Indiantown Cogeneration Plant, located at 13303 SW Silver Fox Lane, Indiantown, Martin County. This permit is issued pursuant to Chapter 403, Florida Statutes and 40 CFR 52.21.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.



Trina Vielhauer, Chief  
Bureau of Air Regulation



# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Colleen M. Castille  
Secretary

## PERMITTEE:

Indiantown Cogeneration, L.P.  
P.O. Box 1799  
Indiantown, FL 34956

### *Authorized Representative:*

Mr. Nicholas Laryea  
Indiantown Cogeneration, L.P.

<b>ARMS Permit No.</b>	0850102-008-AC
<b>Facility ID No.</b>	0850102
<b>SIC No.</b>	4911
<b>Expires:</b>	January 1, 2007

## PROJECT AND LOCATION

The proposed project authorizes the installation of two natural gas (or propane) fired auxiliary boilers. The two identically sized packaged water-tube steam boilers have a combined rated maximum capacity of 350 MMBtu/hr.

The project will be located in Polk County at 13303 SW Silver Fox Lane. The UTM coordinates are Zone 17, 547.65 km E, 2990.70 km N.

## STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to install the proposed equipment in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department.

## APPENDICES

The following Appendices are attached as part of this permit.

Appendix GC - Construction Permit General Conditions

Michael G. Cooke, Director  
Division of Air Resource Management

Date:



## SECTION I. FACILITY INFORMATION

### FACILITY DESCRIPTION

The Indiantown Cogeneration Plant is a cogeneration facility which generates electricity for sale and exports steam to the Caulkins Citrus Processing Plant. The facility includes one high-pressure pulverized coal main boiler (PC boiler) rated at 3,422 MMBtu/hour heat input, and has a nominal net electrical power output of approximately 330 megawatts (MW). It is permitted to fire natural gas, propane, or No. 2 fuel oil for startup, shutdown, or load changes.

Also included are two identical auxiliary boilers used for supplying steam to the steam host during times when the PC boiler is offline, as well as during PC boiler startup and shutdown periods. They have a combined total heat input rate of 358 MMBtu/hour, and are permitted to fire natural gas, propane, or No. 2 fuel oil. Steam produced by the auxiliary boilers is not used to generate electricity. In addition, the facility has a variety of ancillary equipment needed to support operations as a coal-fired cogeneration plant.

This project entails the addition of two additional auxiliary boilers. Although the completion of this project will result in the shutdown of the existing auxiliary boilers (based upon applicant submittals), corresponding emission reductions have not been considered herein.

### NEW EMISSIONS UNIT

ARMS ID No.	EMISSION UNIT DESCRIPTION
007	(2) Victory Energy Model 23M Keystone packaged water-tube steam boilers with a combined maximum rated capacity of 350 MMBtu/hr when firing natural gas and 341 MMBtu/hr when firing propane.

### REGULATORY CLASSIFICATION

HAPs: This facility is a major source of hazardous air pollutants (Title III).

Acid Rain: This facility is exempt from the acid rain provisions of the Clean Air Act (Title IV).

Title V Major Source: This facility is a Title V major source of air pollution.

PSD Major Source: The existing facility is classified as a PSD Major Source. Each pollutant with potential emissions greater than the Significant Emissions Rates specified in Table 62-212.400-2, F.A.C. requires a PSD review and Best Available Control Technology (BACT) determination. However, for this project, emissions of no pollutant are significant or subject to BACT standards, provided that the Emission Unit is operated as specified in this permit.

NSPS Sources: The auxiliary boilers specified in this permit are each subject to regulation under the New Source Performance Standards for Industrial Boilers, 40 CFR 60, Subpart Db.

NESHAP Sources: The auxiliary boilers specified in this permit are each subject to regulation under the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63, Subpart DDDDD.

### RELEVANT DOCUMENTS

- Permit application received on 10/20/05
- Application complete on 10/20/05

## SECTION II. ADMINISTRATIVE REQUIREMENTS

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### GENERAL AND ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: All documents related to applications for permits to construct, operate or modify an emissions unit should be submitted to the Bureau of Air Regulation (BAR), Florida Department of Environmental Protection (DEP), at 2600 Blairstone Road, Tallahassee, Florida 32399-2400 and phone number 850/488-0114.
2. Compliance Authority: All documents related compliance activities such as reports, tests, and notifications should be submitted to the Air Resources Section of the Southeast District Office, Florida Department of Environmental Protection, 400 North Congress Avenue, West Palm Beach, Florida 33416-5425. The phone number is 561/681-6600.
3. Terminology: The terms used in this permit have specific meanings as defined in the applicable chapters of the Florida Administrative Code.
4. General Conditions: The owner and operator are subject to, and shall operate under the attached General Conditions listed in *Appendix GC* of this permit. General Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes. [Rule 62-4.160, F.A.C.]
5. Applicable Regulations, Forms and Application Procedures: Unless otherwise indicated in this permit, the construction and operation of the subject emissions unit shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of Chapter 403, F.S. and Florida Administrative Code Chapters 62-4, 62-110, 62-204, 62-212, 62-213, 62-296, 62-297 and the Code of Federal Regulations Title 40, Part 60, adopted by reference in the Florida Administrative Code (F.A.C.) regulations. The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting or regulations. [Rules 62-204.800, 62-210.300 and 62-210.900, F.A.C.]
6. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
7. Modifications: No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
8. Expiration: This air construction permit shall expire on January 1, 2007. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Department's Bureau of Air Regulation prior to 60 days before the expiration of the permit. [Rules 62-210.300(1), 62-4.070(4) 62-4.080, and 62-4.210, F.A.C.]
9. Title V Permit: This permit authorizes construction and/or installation of the permitted emissions unit and initial operation to determine compliance with Department rules. A Title V operation permit is required for regular operation of the permitted emissions unit. The owner or operator shall apply for a revision to the Title V operation permit at least ninety days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the Department's Bureau of Air Regulation, and a copy sent to the Department's Southeast District office. [Rules 62-4.030, 62-4.050, 62-4.220, and 62-213.420, F.A.C.]

### SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

This section of the permit addresses the following new emissions unit.

EU ID No.	EMISSION UNIT DESCRIPTION
007	(2) Victory Energy Model 23M Keystone packaged water-tube steam boilers with a combined maximum rated capacity of 350 MMBtu/hr when firing natural gas and 341 MMBtu/hr when firing propane.

#### APPLICABLE STANDARDS AND REGULATIONS

1. NSPS Requirements: The emission unit shall comply with all applicable requirements of 40 CFR 60, adopted by reference in Rule 62-204.800(7)(b), F.A.C.

(a) **Subpart A, General Provisions**, including:

- 40 CFR 60.7, Notification and Record Keeping
- 40 CFR 60.8, Performance Tests
- 40 CFR 60.11, Compliance with Standards and Maintenance Requirements
- 40 CFR 60.12, Circumvention
- 40 CFR 60.13, Monitoring Requirements
- 40 CFR 60.19, General Notification and Reporting Requirements

(b) **Subpart Db--Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**:

The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 MW (100 MMBtu/hour).

2. NESHAP Requirements: The auxiliary boilers shall comply with all applicable requirements of 40 CFR 63, Subpart DDDDD.

#### PERFORMANCE RESTRICTIONS

3. Auxiliary Boilers: The permittee is authorized to install, tune, operate and maintain two new identically sized gas-fired package boilers (Victory Energy Model 23M Keystone). [Applicant Request]

4. Permitted Capacity: the combined heat input to the identically sized auxiliary boilers shall not exceed 350 MMBtu per hour while firing natural gas, or 341 MMBtu per hour while firing propane. [Design, Rule 62-210.200, F.A.C. (Definition - PTE)]

5. Allowable Fuels: The identically sized auxiliary boilers shall be fired solely with pipeline-quality natural gas or liquid petroleum gas, as defined by the American Society for Testing and Materials in ASTM D1835-03a, "Standard Specification for Liquid Petroleum Gases". [Applicant Request, Rule 62-210.200, F.A.C. (Definition - PTE)]

6. Hours of Operation: The combined operation of the auxiliary boilers shall not exceed 5000 hours during any consecutive 12-month period. The permittee shall install, calibrate, operate and maintain a monitoring system to measure and accumulate the amount of natural gas as well as propane fired and the hours of operation for each auxiliary boiler. [Rule 62-210.200, F.A.C. (Definitions - PTE), Rule 62-212.400 (2)(g), F.A.C. (PSD Avoidance)]

7. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify the Compliance Authority as soon as possible, but at least within one working day, excluding weekends and

### SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]

#### EMISSIONS CONTROLS

8. Unconfined Emissions of Particulate Matter: [Rule 62-296.320(4)(c), F.A.C.]

- (a) No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.
- (b) Any permit issued to a facility with emissions of unconfined particulate matter (PM) shall specify the reasonable precautions to be taken by that facility to control the emissions of unconfined PM.
- (c) Reasonable precautions include the following:
  - Paving and maintenance of roads, parking areas and yards.
  - Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
  - Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
  - Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from buildings or work areas to prevent particulate from becoming airborne.
  - Landscaping or planting of vegetation.
  - Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
  - Confining abrasive blasting where possible.
  - Enclosure or covering of conveyor systems.
- (d) In determining what constitutes reasonable precautions for a particular source, the Department shall consider the cost of the control technique or work practice, the environmental impacts of the technique or practice, and the degree of reduction of emissions expected from a particular technique or practice.

9. Air Pollution Control Equipment: Each boiler shall be fitted with Low NO<sub>x</sub> burners and Flue Gas Recirculation (FGR) so as to ensure that NO<sub>x</sub> emissions do not exceed 0.040 lb/MMBtu. [Applicant request; Rule 62-212.400(2)(g), F.A.C.; PSD avoidance]

10. Circumvention: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]

#### EMISSIONS STANDARDS

11. Summary: The following table summarizes the emissions standards specified in this permit. Although these limits were not determined by BACT, they (along with other limitations described herein) form the basis for the Department's determination that PSD does not apply.

Pollutant	Emission limit	Annual Emissions (based upon a combined 5000 hrs/yr)
NO <sub>x</sub>	0.040 lb/MMBtu	35 TPY
CO	0.040 lb/MMBtu	35 TPY
VOC	0.70 lb/hr	1.8 TPY

SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

SO <sub>2</sub>	2.1 lb/hr	5.3 TPY
PM <sub>10</sub>	1.4 lb/hr	3.5 TPY

12. Carbon Monoxide (CO):

After an initial demonstration that the manufacturers guarantee (0.04 lb/MMBtu) can be met, CO emissions shall not exceed 400 ppm by volume corrected to 3 percent oxygen (30-day rolling average). Additionally, annual emissions of CO from this emission unit shall not exceed 35 TPY, based upon a 12-month rolling total.

The permittee shall demonstrate compliance with this standard by conducting performance tests and emissions monitoring in accordance with EPA Method 10 and the CEMS requirement of this permit. [40 CFR 63, Subpart DDDDD]

13. Nitrogen Oxides (NO<sub>x</sub>):

NO<sub>x</sub> emissions from this emission unit shall not exceed 0.040 lb/MMBtu based upon a 30-day rolling average. Additionally, annual emissions of NO<sub>x</sub> from this emission unit shall not exceed 35 TPY, based upon a 12-month rolling total.

The permittee shall demonstrate compliance with this standard by conducting performance tests and emissions monitoring in accordance with EPA Method 7 and the CEMS requirement of this permit. [Rule 62-212.400, F.A.C. (PSD avoidance)]

14. Particulate Matter (PM/PM<sub>10</sub>), Sulfuric Acid Mist (SAM) and Sulfur Dioxides (SO<sub>2</sub>)

(a) Fuel Specifications. Emissions of PM, PM<sub>10</sub>, SAM, and SO<sub>2</sub> shall be limited by the sole use of pipeline-quality natural gas and commercial propane meeting GPA Liquefied Petroleum Gas Specifications. The permittee shall demonstrate compliance with the sulfur limits of each fuel by maintaining the records specified by this permit. The fuel specification is a work practice standard established as a means of complying with the small Boiler BACT for PM and SO<sub>2</sub> under Rule 62-296.406, F.A.C. and as a synthetic minor limit for SAM/SO<sub>2</sub> emissions [Rule 62-4.070(3), F.A.C., Rule 62-212.400(2)(g), F.A.C. (PSD Avoidance)].

(b) General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer, or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20% opacity). The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C. [Rule 62-296.320(4)(b)1, F.A.C.]

15. Volatile Organic Compounds (VOC):

VOC emissions from this emission unit shall exceed neither 0.70 lb/hr nor 1.8 TPY, based upon a 12-month rolling total. The permittee shall demonstrate compliance with these standards by conducting an initial test in accordance with EPA Method 25A and the performance testing requirements of this permit. Thereafter, compliance with the CO limits established in this permit shall be sufficient to demonstrate PSD avoidance. [Rule 62-212.400, F.A.C., Rule 62-212.400(2)(g), F.A.C. (PSD avoidance)]

**EXCESS EMISSIONS**

16. Excess Emissions Prohibited: Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. These emissions shall be included in the calculation of the

### SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

12-month rolling and 30-day rolling averages to demonstrate compliance with the continuous emissions standards except as provided within this permit. [Rule 62-210.700(4), F.A.C.]

17. Excess Emissions Allowed: Providing the permittee adheres to best operational practices to minimize the amount and duration of excess emissions, the following conditions shall apply:
- (a) During startup and shutdown, visible emissions excluding water vapor shall not exceed 20% opacity for up to 2 hours in any 24-hour period. [Design; Rule 62-210.700(1) and (5), F.A.C.]
  - (b) During all startups, shutdowns, and malfunctions, the continuous emissions monitor (CEM) shall monitor and record emissions. For the purpose of complying with the CO standard as set forth in the applicable NESHAP, data averaging and the exclusion of CEMS data shall comply with the applicable portions of 40 CFR 63 Subpart DDDDD. For the purpose of ensuring compliance with the NO<sub>x</sub> standard as set forth in the applicable NSPS, data averaging and the exclusion of CEMS data shall comply with the applicable portions of 40 CFR 60 Subpart Db. For the purpose of ensuring the avoidance of PSD and resulting BACT Standards for NO<sub>x</sub> and CO, no data may be excluded from the calculation of TPY emissions. In case of malfunctions, the permittee shall notify the Compliance Authorities within one working day. A full written report on the malfunctions shall be submitted in a quarterly report. [Design; Rules 62-210.700(1), (5), and 62-4.130, F.A.C.]

#### EMISSIONS PERFORMANCE TESTING

18. Sampling Facilities: The permittee shall design the stack to accommodate adequate testing and sampling locations in order to determine compliance with the applicable emission limits specified by this permit. Permanent stack sampling facilities shall be installed in accordance with Rule 62-297.310(6), F.A.C. [Rules 62-4.070 and 62-204.800, F.A.C., and 40 CFR 60.40a(b)]
19. Performance Test Methods: Initial (I) and Annual (A) compliance tests shall be performed in accordance with the following reference methods as described in 40 CFR 60, Appendix A, and adopted by reference in Chapter 62-204.800, F.A.C.
- (a) EPA Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources (I, A);
  - (b) EPA Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources (I, A);
  - (c) EPA Method 7 - Determination of Oxides of Nitrogen Oxide Emissions from Stationary Sources (I, A); and
  - (d) EPA Method 25A - Determination of Volatile Organic Concentrations (I).
- Annual RATA testing at 100% output may be utilized to satisfy the above annual requirements for CO and NO<sub>x</sub> tests. No other test methods may be used for compliance testing unless prior DEP approval is received, in writing, from the DEP Emissions Monitoring Section Administrator in accordance with an alternate sampling procedure specified in Rule 62-297.620, F.A.C.
20. Test Notification: The permittee shall notify the Compliance Authority in writing at least 30 days prior to initial performance tests and at least 15 days prior to any other required tests. [40 CFR 60.7, 40 CFR 60.8 and Rule 62-297.310(7)(a)9., F.A.C.]
21. Initial Tests Required: Initial performance tests to demonstrate compliance with the emission standards specified in this permit shall be conducted within 60 days after achieving at least 90% of permitted capacity, but not later than 180 days after initial operation of the emission unit. Initial performance tests shall be conducted for CO, NO<sub>x</sub>, VOC, and visible emissions from the emission unit. NO<sub>x</sub> emissions data shall also be converted into units of the NSPS emissions standard. CO performance tests shall be conducted concurrently with all NO<sub>x</sub> performance tests. [Rule 62-297.310(7)(a)1., F.A.C.]

### SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

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22. Annual Performance Tests: To demonstrate compliance with the emission standards specified in this permit, the permittee shall conduct annual performance tests for CO, NO<sub>x</sub> and visible emissions from the emission unit. If conducted at permitted capacity, CO and NO<sub>x</sub> emissions data collected during the required annual CO and NO<sub>x</sub> continuous monitor RATA may be substituted for the required annual performance test. Tests required on an annual basis shall be conducted at least once during each federal fiscal year (October 1<sup>st</sup> to September 30<sup>th</sup>). [Rule 62-297.310(7)(a)4., F.A.C.]
23. Tests Prior to Permit Renewal: Prior to renewing the air operation permit, the permittee shall conduct performance tests for CO, NO<sub>x</sub>, VOC, and visible emissions from the emission unit. These tests shall be conducted within the 12-month period prior to renewing the air operation permit. For pollutants that are required to be tested annually, the permittee may submit the most recent annual compliance test to satisfy the requirements of this provision. [Rule 62-297.310(7)(a)3., F.A.C.]
24. Tests After Substantial Modifications: All performance tests required for initial startup shall also be conducted after any substantial modification and appropriate shakedown period of air pollution control equipment. Shakedown periods shall not exceed 100 days after re-starting the emission unit. [Rule 62-297.310(7)(a)4., F.A.C.]
25. Calculation of Emission Rate: For each emissions performance test, the indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule. [Rule 62-297.310(3), F.A.C.]
26. Applicable Test Procedures
- (a) Required Sampling Time.
    - 1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes. [Rule 62-297.310(4)(a)1., F.A.C.]
    - 2. The minimum observation period for a visible emissions compliance test shall be sixty (60) minutes. The observation period shall include the period during which the highest opacity can reasonably be expected to occur. [Rule 62-297.310(4)(a)2., F.A.C.]
  - (b) Minimum Sample Volume. Unless otherwise specified in the applicable rule or test method, the minimum sample volume per run shall be 25 dry standard cubic feet. [Rule 62-297.310(4)(b), F.A.C.]
  - (c) Calibration of Sampling Equipment. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1, F.A.C. [Rule 62-297.310(4)(d), F.A.C.]
27. Determination of Process Variables
- (a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards. [Rule 62-297.310(5)(a), F.A.C.]
  - (b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value. [Rule 62-297.310(5)(b), F.A.C.]

### SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

28. Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7)(b), F.A.C.]

#### CONTINUOUS MONITORING REQUIREMENTS

29. Continuous Emission Monitoring System: The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitoring (CEM) system in the exhaust stack of this emissions unit to measure and record the emissions of NO<sub>x</sub> and CO from the emissions units, and the carbon dioxide (CO<sub>2</sub>) content of the flue gas at the location where NO<sub>x</sub> and CO are monitored, in a manner sufficient to demonstrate compliance with the emission limits of this permit. The CEM system shall be used to demonstrate compliance with the emission limits for NO<sub>x</sub> and CO within this permit.

Compliance with the limits established herein for NO<sub>x</sub> shall be based on 30-day and 12-month rolling totals starting at midnight of the first day of each calendar month. Each hourly value shall be computed using at least one data point in each fifteen-minute quadrant of an hour, where the unit combusted fuel during that quadrant of an hour. Notwithstanding this requirement, an hourly value shall be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant of an hour). The owner or operator shall use all valid measurements or data points collected during an hour to calculate the hourly averages. All data points collected during an hour shall be, to the extent practicable, evenly spaced over the hour. If the CEM system measures concentration on a wet basis, the CEM system shall include provisions to determine the moisture content of the exhaust gas and an algorithm to enable correction of the monitoring results to a dry basis (0% moisture). Alternatively, the owner or operator may develop through manual stack test measurements a curve of moisture contents in the exhaust gas versus load for each allowable fuel, and use these typical values in an algorithm to enable correction of the monitoring results to a dry basis (0% moisture). Final results of the NO<sub>x</sub> CEM system shall be expressed as lb/MMBtu and total pounds emitted.

For the CO emissions limits established herein, measurements shall be in parts per million corrected to 3% oxygen and be based on 30-day and 12-month rolling averages starting at midnight each calendar day. Each rolling average shall be calculated by adding each valid 24-hour block average from valid operating days within the calendar month.

Annual (12-month rolling) NO<sub>x</sub> and CO emission totals shall be recalculated monthly and available on site for inspection purposes. Additionally, each year the facility shall submit all 12 months worth of calculations as part of the AOR submission.

30. Certification: The NO<sub>x</sub> monitor shall be certified and operated in accordance with the following requirements. The NO<sub>x</sub> monitor shall be certified pursuant to 40 CFR Part 60, Appendix B and shall be operated and maintained in accordance with the applicable requirements. Quality assurance procedures shall conform to the requirements of 40 CFR 60, Appendix F. The RATA tests required for the NO<sub>x</sub> monitor shall be performed using EPA Method 7 of Appendix A of 40 CFR 60.

The CO monitor and CO<sub>2</sub> monitor shall be certified and operated in accordance with the following requirements. The CO monitor shall be certified pursuant to 40 CFR 60, Appendix B, Performance Specification 4. The CO<sub>2</sub> monitor shall be certified pursuant to 40 CFR 60, Appendix B, Performance Specification 3. Quality assurance procedures shall conform to the requirements of 40 CFR 60, Appendix F. The Data Assessment Report of section 7 shall be made each calendar quarter, and reported semi-annually to the Department's Southeast District Office. The RATA tests required for the CO monitor shall be performed using EPA Method 10, of Appendix A of 40 CFR 60. The Method 10 analysis shall be based



### SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

on a continuous sampling train, and the ascarite trap may be omitted or the interference trap of section 10.1 may be used in lieu of the silica gel and ascarite traps. The RATA tests required for the CO<sub>2</sub> monitor shall be performed using EPA Method 3B, of Appendix A of 40 CFR 60.

31. NO<sub>x</sub>/CO CEMS Data Requirements: NO<sub>x</sub>, CO and CO<sub>2</sub> emissions data shall be recorded by the CEM system during episodes of startup, shutdown and malfunction. Best operational practices shall be used to minimize hourly emissions that occur during episodes of startup, shutdown and malfunction. Emissions of any quantity or duration that occur entirely or in part from poor maintenance, poor operation, or any other equipment or process failure, which may reasonably be prevented, shall be prohibited.

A summary report of data excluded from the block average calculation, and all instances of missing data from monitor downtime, shall be reported to the Department's Southeast District office semi-annually, and shall be consolidated with the report required pursuant to 40 CFR 60.7. The duration of excess emissions shall be the duration of the periods of data excluded for such episodes. Reports required by this paragraph and by 40 CFR 60.7 shall be submitted no less than semi-annually, including semi-annual periods in which no data is excluded or no instances of missing data occur. [Rules 62-4.070(3) and 62-212.400., F.A.C., and PSD avoidance]

#### COMPLIANCE DEMONSTRATIONS

32. Records Retention: All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least five (5) years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request. [Rules 62-4.160(14) and 62-213.440(1)(b)2., F.A.C.]

#### REPORTS

33. Emissions Performance Test Reports: A report indicating the results of any required emissions performance test shall be submitted to the Compliance Authority no later than 45 days after completion of the last test run. The test report shall provide sufficient detail on the tested emission unit and the procedures used to allow the Department to determine if the test was properly conducted and if the test results were properly computed. At a minimum, the test report shall provide the applicable information listed in Rule 62-297.310(8)(c), F.A.C. [Rule 62-297.310(8), F.A.C.].
34. Quarterly Excess Emissions Reports: If excess CO, NO<sub>x</sub> or visible emissions occur due to malfunction, the permittee shall notify the Compliance Authority within (1) working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Department may request a written summary report of the incident. Following the NSPS format in 40 CFR 60.7, Subpart A, periods of startup, shutdown and malfunction, shall be monitored, recorded and reported as excess emissions when emission levels exceed the standards specified in this permit. Within thirty (30) days following each calendar quarter, the permittee shall submit a report on any periods of excess emissions that occurred during the previous calendar quarter to the Compliance Authority. [Rules 62-4.130, 62-204.800, 62-210.700(6), F.A.C., and 40 CFR 60.7]
35. Annual Operating Report: The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by March 1st of each year. This report shall include a summary of each of the prior year 12-month emission limitations, which are required for EU-007 by this permit. [Rule 62-210.370(2), F.A.C.]

**APPENDIX GC**  
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

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- G.1 The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- G.2 This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings or exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- G.3 As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- G.4 This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- G.5 This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- G.6 The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- G.7 The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
- a) Have access to and copy and records that must be kept under the conditions of the permit;
  - b) Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
  - c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.
- Reasonable time may depend on the nature of the concern being investigated.
- G.8 If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
- a) A description of and cause of non-compliance; and
  - b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

**APPENDIX GC**  
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

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The permittee shall be responsible for any and all damages, which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

- G.9 In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- G.10 The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- G.11 This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- G.12 This permit or a copy thereof shall be kept at the work site of the permitted activity.
- G.13 This permit also constitutes:
- a) Determination of Best Available Control Technology (X)
  - b) Determination of Prevention of Significant Deterioration (X); and
  - c) Compliance with New Source Performance Standards (X).
- G.14 The permittee shall comply with the following:
- a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - c) Records of monitoring information shall include:
    - 1. The date, exact place, and time of sampling or measurements;
    - 2. The person responsible for performing the sampling or measurements;
    - 3. The dates analyses were performed;
    - 4. The person responsible for performing the analyses;
    - 5. The analytical techniques or methods used; and
    - 6. The results of such analyses.
- G.15 When requested by the Department, the permittee shall within a reasonable time furnish any information required by law, which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Nicholas Laryea  
 Indiantown Cogeneration, L.P.  
 Post Office Box 1799  
 Indiantown, Florida 34956

2. Article Number  
 (Transfer from service label) **7000**

PS Form 3811, February 2004

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
**X** *[Signature]*  Agent  Addressee

B. Received by (Printed Name)  
 C. Date of Delivery  
**INDIANTOWN FLORIDA DEC 27 2004**

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type  
 Registered Mail  Return Receipt for Merchandise  
 Yes

**830**

PS Form 3811, February 2004

**U.S. Postal Service  
 CERTIFIED MAIL RECEIPT  
 (Domestic Mail Only; No Insurance Coverage Provided)**

**OFFICIAL USE**

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		

Mr. Nicholas Laryea  
 Indiantown Cogeneration, L.P.  
 Post Office Box 1799  
 Indiantown, Florida 34956

PS Form 3800, May 2000 See Reverse for Instructions

**U.S. Postal Service  
 CERTIFIED MAIL RECEIPT  
 (Domestic Mail Only; No Insurance Coverage Provided)**

**OFFICIAL USE**

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		

Mr. Gary E. Willer, General Manager,  
 Indiantown Cogeneration, L.P.  
 Post Office Box 1799  
 Indiantown, Florida 34956

PS Form 3800, May 2000 See Reverse for Instructions

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Gary E. Willer, General Manager,  
 Indiantown Cogeneration, L.P.  
 Post Office Box 1799  
 Indiantown, Florida 34956

2. Article Number  
 (Transfer from service label) **7000 1670 0013 3109 9854**

PS Form 3811, February 2004

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
**X** *[Signature]*  Agent  Addressee

B. Received by (Printed Name)  
 C. Date of Delivery  
**INDIANTOWN FLORIDA DEC 27 2005**

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

102595-02-M-1540

**Indiantown Cogeneration, L.P.**

Indiantown Cogeneration, L.P.  
P.O. Box 1799  
13303 SW Silver Fox Lane  
Indiantown, FL 34956

January 10, 2006

772.597.6500  
Fax: 772.597.6210

Mr. Douglas Neeley  
Air Toxics and Monitoring Branch Chief  
US EPA Region IV  
61 Forsyth Street  
Atlanta, Georgia 30303

**RECEIVED**

JAN 12 2006

**VIA FEDERAL EXPRESS**

**BUREAU OF AIR REGULATION**

**Re: Application for Construction Approval  
Auxiliary Boilers  
Indiantown Cogeneration, L.P., Florida ARMS 0850102-008-AC**

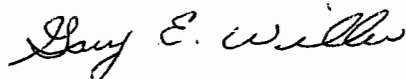
Dear Mr. Neeley:

This facility has applied for a permit modification to the Florida Department of Environmental Protection to install two, gas-fired auxiliary boilers. Approval of this modification has been granted and we will place the order for this equipment soon. A copy of the modification to the Permit is included with this application.

These boilers will actually replace the original boilers installed when this facility was constructed. These boilers are subject to 40 CFR 63, Subpart DDDDD and as such, require approval of construction by the Administrator. Included with this letter is the information required by 40 CFR 63.5 for this approval.

Each requirement of 40 CFR 63.5 is listed for reference and the required information submitted in the attachment. If you require any additional information to process this application, please contact Mr. Nicholas Laryea, Environmental Manager at (772) 597-6500 or myself at the same number. Thank you for your prompt attention to this application.

Sincerely,



Gary E. Willer  
General Manager

cc w/att:  
Nicholas Laryea- Indiantown Cogeneration  
Michael Halpin - Florida DEP  
Tracy Patterson - Cogentrix  
File EHS IT 2.1.4

APPLICATION for CONSTRUCTION APPROVAL  
40 CFR 63.5

§ 63.5 *Preconstruction review and notification requirements.*

(d) *Application for approval of construction or reconstruction. The*

*provisions of this paragraph implement section 112(i)(1) of the Act.*

*(1) General application requirements. (i) An owner or operator who is subject to the requirements of paragraph (b)(3) of this section must submit to the Administrator an application for approval of the construction or reconstruction. The application must be submitted as soon as practicable before actual construction or reconstruction begins. The application for approval of construction or reconstruction may be used to fulfill the initial notification requirements of §63.9(b)(5). The owner or operator may submit the application for approval well in advance of the date actual construction or reconstruction begins in order to ensure a timely review by the Administrator and that the planned date to begin will not be delayed.*

*(A) The applicant's name and address;*

Indiantown Cogeneration, LP  
P.O. Box 1799  
Indiantown, FL 34956

*(B) A notification of intention to construct a new major affected source or make any physical or operational change to a major affected source that may meet or has been determined to meet the criteria for a reconstruction, as defined in §63.2 or in the relevant standard;*

Notice of intention to construct as approved by Permit modification from Florida Department of Environmental Protection, Bureau of Air Regulation, ARMS Permit No. 0850102-008-AC.

A copy of the Permit modification is included.

*(C) The address (i.e., physical location) or proposed address of the source;*

Indiantown Cogeneration, LP  
13303 SW Silver Fox Lane  
Indiantown, Florida 34956

*(D) An identification of the relevant standard that is the basis of the application;*

40 CFR 63, Subpart DDDDD

*(E) The expected date of the beginning of actual construction or reconstruction;*

May 1, 2006

*(F) The expected completion date of the construction or reconstruction;*

June 15, 2006

*(H) The type and quantity of hazardous air pollutants emitted by the source, reported in units and averaging times and in accordance with the test methods specified in the relevant standard, or if actual emissions*

*data are not yet available, an estimate of the type and quantity of hazardous air pollutants expected to be emitted by the source reported in units and averaging times specified in the relevant standard. The owner or operator may submit percent reduction information if a relevant standard is established in terms of percent reduction. However, operating parameters, such as flow rate, shall be included in the submission to the extent that they demonstrate performance and compliance;*

Criteria Pollutants (estimates and basis)

PM-10/2.5	3.5 TPY	Manuf.
SO2	0.53 TPY	Manuf
NOx	35 TPY	Manuf.
CO	35 TPY	Manuf.
VOC	1.8 TPY	Manuf.

HAPS

Formaldehyde	129 lb/yr	AP-42
Toluene	5.83 lb/yr	AP-42
Naphthalene	0.41 lb/yr	AP-42
Benzene	3.6 lb/yr	AP-42
Dichlorobenzene	2.06 lb/yr	AP-42
Hexane	3080 lb/yr	AP-42

(spreadsheet attached showing basis for all calculations)

*(J) Other information as specified in paragraphs (d)(2) and (d)(3) of this section.*

*(2) Application for approval of construction. Each application for approval of construction must include, in addition to the information required in paragraph (d)(1)(ii) of this section, technical information describing the proposed nature, size, design, operating design capacity, and method of operation of the source, including an identification of each type of emission point for each type of hazardous air pollutant that is emitted (or could reasonably be anticipated to be emitted) and a description of the planned air pollution control system (equipment or method) for each emission point. The description of the equipment to be used for the control of emissions must include each control device for each hazardous air pollutant and the estimated control efficiency (percent) for each control device. The description of the method to be used for the control of emissions must include an estimated control efficiency (percent) for that method. Such technical information must include calculations of emission estimates in sufficient detail to permit assessment of the validity of the calculations.*

Technical Information:

Equipment – 2 identical natural gas (or propane) fired auxiliary boilers.

Manufacturer – Victory Energy Model 23M Keystone

Heat Input – Combined heat input not to exceed 350 MMBtu/hr while firing natural gas or 341 MMBtu/hr firing propane.

Allowable Fuel – pipeline-quality natural gas or liquid petroleum gas (propane).

Hour of operation – combined operation not to exceed 5000 hours per 12-month rolling period.

Control Equipment – Todd Combustion or equivalent, low-NOx burners and flue gas recirculation.

Common Exhaust Stack Parameters

Height – 210 feet

Diameter – 5 feet

Exit Temperature – 551 degrees F

Volumetric Flow Rate – 146000 ACFM @ 3% O<sub>2</sub>



**Indiantown Cogeneration LP**  
Emission from Aux Boiler  
(AP-42 7/98)

**BLR-ACT**

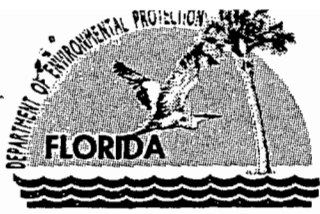
	Hrs	Annual	Annual Fuel Use(kscf)	Heat Input(MMBtu)	Rating (MMBtu/hr)
Victory Energy 23M	5000	Annual	1715686.0	1750000	350
Natural Gas Avg BTU/SCF			1020		

**Criteria Pollutants**

Criteria Pollutants	Source		Aux Boiler Emissions		
			lb/million ft <sup>3</sup>	lbs	tons
PM-10	Manf.	7.6	↓	13039.21	6.52
SO <sub>2</sub>	AP-42	6		10294.12	5.15
NO <sub>x</sub>	Manf.	40		68627.44	34.31
CO	Manf.	40		68627.44	34.31
VOC	Manf.	2.04		3500.00	1.75
<b>HAP</b>					
Formaldehyde	AP-42	7.50E-02	↓	1.29E+02	0.064
Toluene	AP-42	3.40E-03		5.83E+00	0.003
Naphthalene	AP-42	2.40E-04		4.12E-01	0.000
Benzene	AP-42	2.10E-03		3.60E+00	0.002
Dichlorobenzene	AP-42	1.20E-03		2.06E+00	0.001
Fluoranthene	AP-42	3.00E-06		5.15E-03	0.000
Fluorene	AP-42	2.80E-06		4.80E-03	0.000
Hexane	AP-42	1.80E+00		3.09E+03	1.544
Phenanthrene	AP-42	1.70E-05		2.92E-02	0.000
Pyrene	AP-42	5.00E-06		8.58E-03	0.000
<b>Metals</b>					
Arsenic		2.00E-04		3.43E-01	0.000
Chromium		1.40E-03		2.40E+00	0.001
Cobalt		8.40E-05		1.44E-01	0.000
Copper		8.50E-04		1.46E+00	0.001
Lead		5.00E-04		8.58E-01	0.000
Manganese		3.80E-04		6.52E-01	0.000
Nickel		2.10E-03		3.60E+00	0.002
Beryllium		1.20E-05		2.06E-02	0.000
Cadmium		1.10E-03		1.89E+00	0.001
Mercury		2.60E-04		4.46E-01	0.000
Selenium		2.40E-05		4.12E-02	0.000

Notes:

Factors are based on AP-42 1.4 (7/98) Natural Gas Combustion



# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Colleen M. Castille  
Secretary

## PERMITTEE:

Indiantown Cogeneration, L.P.  
P.O. Box 1799  
Indiantown, FL 34956

### *Authorized Representative:*

Mr. Nicholas Laryea  
Indiantown Cogeneration, L.P.

<b>ARMS Permit No.</b>	0850102-008-AC
<b>Facility ID No.</b>	0850102
<b>SIC No.</b>	4911
<b>Expires:</b>	January 1, 2007

## PROJECT AND LOCATION

The proposed project authorizes the installation of two natural gas (or propane) fired auxiliary boilers. The two identically sized packaged water-tube steam boilers have a combined rated maximum capacity of 350 MMBtu/hr.

The project will be located in Polk County at 13303 SW Silver Fox Lane. The UTM coordinates are Zone 17, 547.65 km E, 2990.70 km N.

## STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to install the proposed equipment in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department.

## APPENDICES

The following Appendices are attached as part of this permit.

Appendix GC - Construction Permit General Conditions

Michael G. Cooke, Director  
Division of Air Resource Management

Date:

"More Protection, Less Process"

Printed on recycled paper.

**FACILITY DESCRIPTION**

The Indiantown Cogeneration Plant is a cogeneration facility which generates electricity for sale and exports steam to the Caulkins Citrus Processing Plant. The facility includes one high-pressure pulverized coal main boiler (PC boiler) rated at 3,422 MMBtu/hour heat input, and has a nominal net electrical power output of approximately 330 megawatts (MW). It is permitted to fire natural gas, propane, or No. 2 fuel oil for startup, shutdown, or load changes.

Also included are two identical auxiliary boilers used for supplying steam to the steam host during times when the PC boiler is offline, as well as during PC boiler startup and shutdown periods. They have a combined total heat input rate of 358 MMBtu/hour, and are permitted to fire natural gas, propane, or No. 2 fuel oil. Steam produced by the auxiliary boilers is not used to generate electricity. In addition, the facility has a variety of ancillary equipment needed to support operations as a coal-fired cogeneration plant.

This project entails the addition of two additional auxiliary boilers. Although the completion of this project will result in the shutdown of the existing auxiliary boilers (based upon applicant submittals), corresponding emission reductions have not been considered herein.

**NEW EMISSIONS UNIT**

ARMS ID No.	EMISSION UNIT DESCRIPTION
007	(2) Victory Energy Model 23M Keystone packaged water-tube steam boilers with a combined maximum rated capacity of 350 MMBtu/hr when firing natural gas and 341 MMBtu/hr when firing propane.

**REGULATORY CLASSIFICATION**

HAPs: This facility is a major source of hazardous air pollutants (Title III).

Acid Rain: This facility is exempt from the acid rain provisions of the Clean Air Act (Title IV).

Title V Major Source: This facility is a Title V major source of air pollution.

PSD Major Source: The existing facility is classified as a PSD Major Source. Each pollutant with potential emissions greater than the Significant Emissions Rates specified in Table 62-212.400-2, F.A.C. requires a PSD review and Best Available Control Technology (BACT) determination. However, for this project, emissions of no pollutant are significant or subject to BACT standards, provided that the Emission Unit is operated as specified in this permit.

NSPS Sources: The auxiliary boilers specified in this permit are each subject to regulation under the New Source Performance Standards for Industrial Boilers, 40 CFR 60, Subpart Db.

NESHAP Sources: The auxiliary boilers specified in this permit are each subject to regulation under the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63, Subpart DDDDD.

**RELEVANT DOCUMENTS**

- Permit application received on 10/20/05
- Application complete on 10/20/05

**GENERAL AND ADMINISTRATIVE REQUIREMENTS**

1. Permitting Authority: All documents related to applications for permits to construct, operate or modify an emissions unit should be submitted to the Bureau of Air Regulation (BAR), Florida Department of Environmental Protection (DEP), at 2600 Blirstone Road, Tallahassee, Florida 32399-2400 and phone number 850/488-0114.
2. Compliance Authority: All documents related compliance activities such as reports, tests, and notifications should be submitted to the Air Resources Section of the Southeast District Office, Florida Department of Environmental Protection, 400 North Congress Avenue, West Palm Beach, Florida 33416-5425. The phone number is 561/681-6600.
3. Terminology: The terms used in this permit have specific meanings as defined in the applicable chapters of the Florida Administrative Code.
4. General Conditions: The owner and operator are subject to, and shall operate under the attached General Conditions listed in *Appendix GC* of this permit. General Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes. [Rule 62-4.160, F.A.C.]
5. Applicable Regulations, Forms and Application Procedures: Unless otherwise indicated in this permit, the construction and operation of the subject emissions unit shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of Chapter 403, F.S. and Florida Administrative Code Chapters 62-4, 62-110, 62-204, 62-212, 62-213, 62-296, 62-297 and the Code of Federal Regulations Title 40, Part 60, adopted by reference in the Florida Administrative Code (F.A.C.) regulations. The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting or regulations. [Rules 62-204.800, 62-210.300 and 62-210.900, F.A.C.]
6. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
7. Modifications: No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
8. Expiration: This air construction permit shall expire on January 1, 2007. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Department's Bureau of Air Regulation prior to 60 days before the expiration of the permit. [Rules 62-210.300(1), 62-4.070(4) 62-4.080, and 62-4.210, F.A.C.]
9. Title V Permit: This permit authorizes construction and/or installation of the permitted emissions unit and initial operation to determine compliance with Department rules. A Title V operation permit is required for regular operation of the permitted emissions unit. The owner or operator shall apply for a revision to the Title V operation permit at least ninety days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the Department's Bureau of Air Regulation, and a copy sent to the Department's Southeast District office. [Rules 62-4.030, 62-4.050, 62-4.220, and 62-213.420, F.A.C.]

### SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

This section of the permit addresses the following new emissions unit.

EU ID No.	EMISSION UNIT DESCRIPTION
007	(2) Victory Energy Model 23M Keystone packaged water-tube steam boilers with a combined maximum rated capacity of 350 MMBtu/hr when firing natural gas and 341 MMBtu/hr when firing propane.

#### APPLICABLE STANDARDS AND REGULATIONS

1. NSPS Requirements: The emission unit shall comply with all applicable requirements of 40 CFR 60, adopted by reference in Rule 62-204.800(7)(b), F.A.C.

(a) **Subpart A, General Provisions**, including:

- 40 CFR 60.7, Notification and Record Keeping
- 40 CFR 60.8, Performance Tests
- 40 CFR 60.11, Compliance with Standards and Maintenance Requirements
- 40 CFR 60.12, Circumvention
- 40 CFR 60.13, Monitoring Requirements
- 40 CFR 60.19, General Notification and Reporting Requirements

(b) **Subpart Db--Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**:

The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 MW (100 MMBtu/hour).

2. NESHAP Requirements: The auxiliary boilers shall comply with all applicable requirements of 40 CFR 63, Subpart DDDDD.

#### PERFORMANCE RESTRICTIONS

3. Auxiliary Boilers: The permittee is authorized to install, tune, operate and maintain two new identically sized gas-fired package boilers (Victory Energy Model 23M Keystone). [Applicant Request]

4. Permitted Capacity: the combined heat input to the identically sized auxiliary boilers shall not exceed 350 MMBtu per hour while firing natural gas, or 341 MMBtu per hour while firing propane. [Design, Rule 62-210.200, F.A.C. (Definition - PTE)]

5. Allowable Fuels: The identically sized auxiliary boilers shall be fired solely with pipeline-quality natural gas or liquid petroleum gas, as defined by the American Society for Testing and Materials in ASTM D1835-03a, "Standard Specification for Liquid Petroleum Gases". [Applicant Request, Rule 62-210.200, F.A.C. (Definition - PTE)]

6. Hours of Operation: The combined operation of the auxiliary boilers shall not exceed 5000 hours during any consecutive 12-month period. The permittee shall install, calibrate, operate and maintain a monitoring system to measure and accumulate the amount of natural gas as well as propane fired and the hours of operation for each auxiliary boiler. [Rule 62-210.200, F.A.C. (Definitions - PTE), Rule 62-212.400 (2)(g), F.A.C. (PSD Avoidance)]

7. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify the Compliance Authority as soon as possible, but at least within one working day, excluding weekends and

### SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]

#### EMISSIONS CONTROLS

8. Unconfined Emissions of Particulate Matter: [Rule 62-296.320(4)(c), F.A.C.]
- (a) No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.
- (b) Any permit issued to a facility with emissions of unconfined particulate matter (PM) shall specify the reasonable precautions to be taken by that facility to control the emissions of unconfined PM.
- (c) Reasonable precautions include the following:
- Paving and maintenance of roads, parking areas and yards.
  - Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
  - Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
  - Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from buildings or work areas to prevent particulate from becoming airborne.
  - Landscaping or planting of vegetation.
  - Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
  - Confining abrasive blasting where possible.
  - Enclosure or covering of conveyor systems.
- (d) In determining what constitutes reasonable precautions for a particular source, the Department shall consider the cost of the control technique or work practice, the environmental impacts of the technique or practice, and the degree of reduction of emissions expected from a particular technique or practice.
9. Air Pollution Control Equipment: Each boiler shall be fitted with Low NO<sub>x</sub> burners and Flue Gas Recirculation (FGR) so as to ensure that NO<sub>x</sub> emissions do not exceed 0.040 lb/MMBtu. [Applicant request; Rule 62-212.400(2)(g), F.A.C.; PSD avoidance]
10. Circumvention: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]

#### EMISSIONS STANDARDS

11. Summary: The following table summarizes the emissions standards specified in this permit. Although these limits were not determined by BACT, they (along with other limitations described herein) form the basis for the Department's determination that PSD does not apply.

Pollutant	Emission limit	Annual Emissions (based upon a combined 5000 hrs/yr)
NO <sub>x</sub>	0.040 lb/MMBtu	35 TPY
CO	0.040 lb/MMBtu	35 TPY
VOC	0.70 lb/hr	1.8 TPY

SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

SO <sub>2</sub>	2.1 lb/hr	5.3 TPY
PM <sub>10</sub>	1.4 lb/hr	3.5 TPY

12. Carbon Monoxide (CO):

After an initial demonstration that the manufacturers guarantee (0.04 lb/MMBtu) can be met, CO emissions shall not exceed 400 ppm by volume corrected to 3 percent oxygen (30-day rolling average). Additionally, annual emissions of CO from this emission unit shall not exceed 35 TPY, based upon a 12-month rolling total.

The permittee shall demonstrate compliance with this standard by conducting performance tests and emissions monitoring in accordance with EPA Method 10 and the CEMS requirement of this permit. [40 CFR 63, Subpart DDDDD]

13. Nitrogen Oxides (NO<sub>x</sub>):

NO<sub>x</sub> emissions from this emission unit shall not exceed 0.040 lb/MMBtu based upon a 30-day rolling average. Additionally, annual emissions of NO<sub>x</sub> from this emission unit shall not exceed 35 TPY, based upon a 12-month rolling total.

The permittee shall demonstrate compliance with this standard by conducting performance tests and emissions monitoring in accordance with EPA Method 7 and the CEMS requirement of this permit. [Rule 62-212.400, F.A.C. (PSD avoidance)]

14. Particulate Matter (PM/PM<sub>10</sub>), Sulfuric Acid Mist (SAM) and Sulfur Dioxides (SO<sub>2</sub>)

(a) Fuel Specifications. Emissions of PM, PM<sub>10</sub>, SAM, and SO<sub>2</sub> shall be limited by the sole use of pipeline-quality natural gas and commercial propane meeting GPA Liquefied Petroleum Gas Specifications. The permittee shall demonstrate compliance with the sulfur limits of each fuel by maintaining the records specified by this permit. The fuel specification is a work practice standard established as a means of complying with the small Boiler BACT for PM and SO<sub>2</sub> under Rule 62-296.406, F.A.C. and as a synthetic minor limit for SAM/SO<sub>2</sub> emissions [Rule 62-4.070(3), F.A.C., Rule 62-212.400(2)(g), F.A.C. (PSD Avoidance)].

(b) General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer, or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20% opacity). The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C. [Rule 62-296.320(4)(b)1, F.A.C.]

15. Volatile Organic Compounds (VOC):

VOC emissions from this emission unit shall exceed neither 0.70 lb/hr nor 1.8 TPY, based upon a 12-month rolling total. The permittee shall demonstrate compliance with these standards by conducting an initial test in accordance with EPA Method 25A and the performance testing requirements of this permit. Thereafter, compliance with the CO limits established in this permit shall be sufficient to demonstrate PSD avoidance. [Rule 62-212.400, F.A.C., Rule 62-212.400(2)(g), F.A.C. (PSD avoidance)]

**EXCESS EMISSIONS**

16. Excess Emissions Prohibited: Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. These emissions shall be included in the calculation of the

### SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

12-month rolling and 30-day rolling averages to demonstrate compliance with the continuous emissions standards except as provided within this permit. [Rule 62-210.700(4), F.A.C.]

17. Excess Emissions Allowed: Providing the permittee adheres to best operational practices to minimize the amount and duration of excess emissions, the following conditions shall apply:
- (a) During startup and shutdown, visible emissions excluding water vapor shall not exceed 20% opacity for up to 2 hours in any 24-hour period. [Design; Rule 62-210.700(1) and (5), F.A.C.]
  - (b) During all startups, shutdowns, and malfunctions, the continuous emissions monitor (CEM) shall monitor and record emissions. For the purpose of complying with the CO standard as set forth in the applicable NESHAP, data averaging and the exclusion of CEMS data shall comply with the applicable portions of 40 CFR 63 Subpart DDDDD. For the purpose of ensuring compliance with the NO<sub>x</sub> standard as set forth in the applicable NSPS, data averaging and the exclusion of CEMS data shall comply with the applicable portions of 40 CFR 60 Subpart Db. For the purpose of ensuring the avoidance of PSD and resulting BACT Standards for NO<sub>x</sub> and CO, no data may be excluded from the calculation of TPY emissions. In case of malfunctions, the permittee shall notify the Compliance Authorities within one working day. A full written report on the malfunctions shall be submitted in a quarterly report. [Design; Rules 62-210.700(1), (5), and 62-4.130, F.A.C.]

#### EMISSIONS PERFORMANCE TESTING

18. Sampling Facilities: The permittee shall design the stack to accommodate adequate testing and sampling locations in order to determine compliance with the applicable emission limits specified by this permit. Permanent stack sampling facilities shall be installed in accordance with Rule 62-297.310(6), F.A.C. [Rules 62-4.070 and 62-204.800, F.A.C., and 40 CFR 60.40a(b)]
19. Performance Test Methods: Initial (I) and Annual (A) compliance tests shall be performed in accordance with the following reference methods as described in 40 CFR 60, Appendix A, and adopted by reference in Chapter 62-204.800, F.A.C.
- (a) EPA Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources (I, A);
  - (b) EPA Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources (I, A);
  - (c) EPA Method 7 - Determination of Oxides of Nitrogen Oxide Emissions from Stationary Sources (I, A);  
and
  - (d) EPA Method 25A - Determination of Volatile Organic Concentrations (I).

Annual RATA testing at 100% output may be utilized to satisfy the above annual requirements for CO and NO<sub>x</sub> tests. No other test methods may be used for compliance testing unless prior DEP approval is received, in writing, from the DEP Emissions Monitoring Section Administrator in accordance with an alternate sampling procedure specified in Rule 62-297.620, F.A.C.

20. Test Notification: The permittee shall notify the Compliance Authority in writing at least 30 days prior to initial performance tests and at least 15 days prior to any other required tests. [40 CFR 60.7, 40 CFR 60.8 and Rule 62-297.310(7)(a)9., F.A.C.]
21. Initial Tests Required: Initial performance tests to demonstrate compliance with the emission standards specified in this permit shall be conducted within 60 days after achieving at least 90% of permitted capacity, but not later than 180 days after initial operation of the emission unit. Initial performance tests shall be conducted for CO, NO<sub>x</sub>, VOC, and visible emissions from the emission unit. NO<sub>x</sub> emissions data shall also be converted into units of the NSPS emissions standard. CO performance tests shall be conducted concurrently with all NO<sub>x</sub> performance tests. [Rule 62-297.310(7)(a)1., F.A.C.]



22. Annual Performance Tests: To demonstrate compliance with the emission standards specified in this permit, the permittee shall conduct annual performance tests for CO, NO<sub>x</sub> and visible emissions from the emission unit. If conducted at permitted capacity, CO and NO<sub>x</sub> emissions data collected during the required annual CO and NO<sub>x</sub> continuous monitor RATA may be substituted for the required annual performance test. Tests required on an annual basis shall be conducted at least once during each federal fiscal year (October 1<sup>st</sup> to September 30<sup>th</sup>). [Rule 62-297.310(7)(a)4., F.A.C.]
23. Tests Prior to Permit Renewal: Prior to renewing the air operation permit, the permittee shall conduct performance tests for CO, NO<sub>x</sub>, VOC, and visible emissions from the emission unit. These tests shall be conducted within the 12-month period prior to renewing the air operation permit. For pollutants that are required to be tested annually, the permittee may submit the most recent annual compliance test to satisfy the requirements of this provision. [Rule 62-297.310(7)(a)3., F.A.C.]
24. Tests After Substantial Modifications: All performance tests required for initial startup shall also be conducted after any substantial modification and appropriate shakedown period of air pollution control equipment. Shakedown periods shall not exceed 100 days after re-starting the emission unit. [Rule 62-297.310(7)(a)4., F.A.C.]
25. Calculation of Emission Rate: For each emissions performance test, the indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule. [Rule 62-297.310(3), F.A.C.]
26. Applicable Test Procedures
- (a) Required Sampling Time.
    - 1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes. [Rule 62-297.310(4)(a)1., F.A.C.]
    - 2. The minimum observation period for a visible emissions compliance test shall be sixty (60) minutes. The observation period shall include the period during which the highest opacity can reasonably be expected to occur. [Rule 62-297.310(4)(a)2., F.A.C.]
  - (b) Minimum Sample Volume. Unless otherwise specified in the applicable rule or test method, the minimum sample volume per run shall be 25 dry standard cubic feet. [Rule 62-297.310(4)(b), F.A.C.]
  - (c) Calibration of Sampling Equipment. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1, F.A.C. [Rule 62-297.310(4)(d), F.A.C.]
27. Determination of Process Variables
- (a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards. [Rule 62-297.310(5)(a), F.A.C.]
  - (b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value. [Rule 62-297.310(5)(b), F.A.C.]

28. Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7)(b), F.A.C.]

**CONTINUOUS MONITORING REQUIREMENTS**

29. Continuous Emission Monitoring System: The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitoring (CEM) system in the exhaust stack of this emissions unit to measure and record the emissions of NO<sub>x</sub> and CO from the emissions units, and the carbon dioxide (CO<sub>2</sub>) content of the flue gas at the location where NO<sub>x</sub> and CO are monitored, in a manner sufficient to demonstrate compliance with the emission limits of this permit. The CEM system shall be used to demonstrate compliance with the emission limits for NO<sub>x</sub> and CO within this permit.

Compliance with the limits established herein for NO<sub>x</sub> shall be based on 30-day and 12-month rolling totals starting at midnight of the first day of each calendar month. Each hourly value shall be computed using at least one data point in each fifteen-minute quadrant of an hour, where the unit combusted fuel during that quadrant of an hour. Notwithstanding this requirement, an hourly value shall be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant of an hour). The owner or operator shall use all valid measurements or data points collected during an hour to calculate the hourly averages. All data points collected during an hour shall be, to the extent practicable, evenly spaced over the hour. If the CEM system measures concentration on a wet basis, the CEM system shall include provisions to determine the moisture content of the exhaust gas and an algorithm to enable correction of the monitoring results to a dry basis (0% moisture). Alternatively, the owner or operator may develop through manual stack test measurements a curve of moisture contents in the exhaust gas versus load for each allowable fuel, and use these typical values in an algorithm to enable correction of the monitoring results to a dry basis (0% moisture). Final results of the NO<sub>x</sub> CEM system shall be expressed as lb/MMBtu and total pounds emitted.

For the CO emissions limits established herein, measurements shall be in parts per million corrected to 3% oxygen and be based on 30-day and 12-month rolling averages starting at midnight each calendar day. Each rolling average shall be calculated by adding each valid 24-hour block average from valid operating days within the calendar month.

Annual (12-month rolling) NO<sub>x</sub> and CO emission totals shall be recalculated monthly and available on site for inspection purposes. Additionally, each year the facility shall submit all 12 months worth of calculations as part of the AOR submission.

30. Certification: The NO<sub>x</sub> monitor shall be certified and operated in accordance with the following requirements. The NO<sub>x</sub> monitor shall be certified pursuant to 40 CFR Part 60, Appendix B and shall be operated and maintained in accordance with the applicable requirements. Quality assurance procedures shall conform to the requirements of 40 CFR 60, Appendix F. The RATA tests required for the NO<sub>x</sub> monitor shall be performed using EPA Method 7 of Appendix A of 40 CFR 60.

The CO monitor and CO<sub>2</sub> monitor shall be certified and operated in accordance with the following requirements. The CO monitor shall be certified pursuant to 40 CFR 60, Appendix B, Performance Specification 4. The CO<sub>2</sub> monitor shall be certified pursuant to 40 CFR 60, Appendix B, Performance Specification 3. Quality assurance procedures shall conform to the requirements of 40 CFR 60, Appendix F. The Data Assessment Report of section 7 shall be made each calendar quarter, and reported semi-annually to the Department's Southeast District Office. The RATA tests required for the CO monitor shall be performed using EPA Method 10, of Appendix A of 40 CFR 60. The Method 10 analysis shall be based

### SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

on a continuous sampling train, and the ascarite trap may be omitted or the interference trap of section 10.1 may be used in lieu of the silica gel and ascarite traps. The RATA tests required for the CO<sub>2</sub> monitor shall be performed using EPA Method 3B, of Appendix A of 40 CFR 60.

31. NO<sub>x</sub>/CO CEMS Data Requirements: NO<sub>x</sub>, CO and CO<sub>2</sub> emissions data shall be recorded by the CEM system during episodes of startup, shutdown and malfunction. Best operational practices shall be used to minimize hourly emissions that occur during episodes of startup, shutdown and malfunction. Emissions of any quantity or duration that occur entirely or in part from poor maintenance, poor operation, or any other equipment or process failure, which may reasonably be prevented, shall be prohibited.

A summary report of data excluded from the block average calculation, and all instances of missing data from monitor downtime, shall be reported to the Department's Southeast District office semi-annually, and shall be consolidated with the report required pursuant to 40 CFR 60.7. The duration of excess emissions shall be the duration of the periods of data excluded for such episodes. Reports required by this paragraph and by 40 CFR 60.7 shall be submitted no less than semi-annually, including semi-annual periods in which no data is excluded or no instances of missing data occur. [Rules 62-4.070(3) and 62-212.400., F.A.C., and PSD avoidance]

#### COMPLIANCE DEMONSTRATIONS

32. Records Retention: All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least five (5) years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request. [Rules 62-4.160(14) and 62-213.440(1)(b)2., F.A.C.]

#### REPORTS

33. Emissions Performance Test Reports: A report indicating the results of any required emissions performance test shall be submitted to the Compliance Authority no later than 45 days after completion of the last test run. The test report shall provide sufficient detail on the tested emission unit and the procedures used to allow the Department to determine if the test was properly conducted and if the test results were properly computed. At a minimum, the test report shall provide the applicable information listed in Rule 62-297.310(8)(c), F.A.C. [Rule 62-297.310(8), F.A.C.].
34. Quarterly Excess Emissions Reports: If excess CO, NO<sub>x</sub> or visible emissions occur due to malfunction, the permittee shall notify the Compliance Authority within (1) working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Department may request a written summary report of the incident. Following the NSPS format in 40 CFR 60.7, Subpart A, periods of startup, shutdown and malfunction, shall be monitored, recorded and reported as excess emissions when emission levels exceed the standards specified in this permit. Within thirty (30) days following each calendar quarter, the permittee shall submit a report on any periods of excess emissions that occurred during the previous calendar quarter to the Compliance Authority. [Rules 62-4.130, 62-204.800, 62-210.700(6), F.A.C., and 40 CFR 60.7]
35. Annual Operating Report: The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by March 1st of each year. This report shall include a summary of each of the prior year 12-month emission limitations, which are required for EU-007 by this permit. [Rule 62-210.370(2), F.A.C.]

**APPENDIX GC**  
**GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]**

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- G.1 The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- G.2 This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings or exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- G.3 As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- G.4 This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- G.5 This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- G.6 The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- G.7 The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
- a) Have access to and copy and records that must be kept under the conditions of the permit;
  - b) Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
  - c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.
- Reasonable time may depend on the nature of the concern being investigated.
- G.8 If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
- a) A description of and cause of non-compliance; and
  - b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

**APPENDIX GC**  
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

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The permittee shall be responsible for any and all damages, which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

- G.9 In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- G.10 The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- G.11 This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- G.12 This permit or a copy thereof shall be kept at the work site of the permitted activity.
- G.13 This permit also constitutes:
- a) Determination of Best Available Control Technology (X)
  - b) Determination of Prevention of Significant Deterioration (X); and
  - c) Compliance with New Source Performance Standards (X).
- G.14 The permittee shall comply with the following:
- a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - c) Records of monitoring information shall include:
    - 1. The date, exact place, and time of sampling or measurements;
    - 2. The person responsible for performing the sampling or measurements;
    - 3. The dates analyses were performed;
    - 4. The person responsible for performing the analyses;
    - 5. The analytical techniques or methods used; and
    - 6. The results of such analyses.
- G.15 When requested by the Department, the permittee shall within a reasonable time furnish any information required by law, which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Construction Permit (including the Final Notice of Permit and the Final Determination) was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 12/22/05 to the person(s) listed:

Nicholas Laryea, Indiantown Cogeneration, L.P. \*

✓ Gary E. Willer, General Manager, Indiantown Cogeneration, L.P. \*

William Cannon, P.E. Earth Tech, Inc.

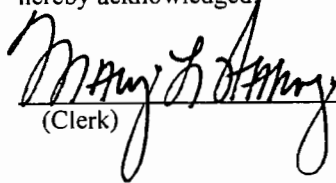
Darrel Graziani, SED-DEP

Gregg Worley, EPA

John Bunyak, NPS

Clerk Stamp

**FILING AND ACKNOWLEDGMENT**  
**FILED**, on this date, pursuant to §120.52,  
Florida Statutes, with the designated  
Department Clerk, receipt of which is  
hereby acknowledged.

  
(Clerk)

12/22/05  
(Date)

**FINAL DETERMINATION  
INDIANTOWN COGENERATION, L.P.  
INDIANTOWN COGENERATION PLANT  
PSD PERMIT MODIFICATIONS**

The Department distributed a Public Notice package on November 9, 2005 for the project allowing for the installation of two identically sized propane/natural gas-fired auxiliary (package) boilers. The subject facility is the Indiantown Cogeneration Plant located at 13303 SW Silver Fox Lane, Indiantown, Martin County. The Public Notice of Intent to Issue was published on November 25 in Stuart/Port St. Lucie News.

No comments were received from the public.

No comments were received from the Fish and Wildlife Service or the U.S. Environmental Protection Agency (EPA).

Two comments were received from the applicant and both comments were accepted and incorporated into the final permit. The first comment indicated that the facility is exempt from the acid rain provisions of Title IV, based upon 40CFR72.6(b)(5). Within the second comment, the applicant requested a correction to the SO<sub>2</sub> emission factor utilized in the application. The corrected emission factor increased the projects SO<sub>2</sub> emissions to 5.3 TPY, still well below PSD thresholds.

**CONCLUSION**

The final action is to issue the permit with the two changes identified above.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**NOTICE OF PERMIT**

In the Matter of an  
Application for Permit by:

Mr. Nicholas Laryea, Authorized Representative  
Indiantown Cogeneration, L.P.  
P.O. Box 1799  
Indiantown, Florida 34956

Facility I.D. No. 0850102  
DEP File No. 0850102-008-AC, PA90-31  
Indiantown Cogeneration, L.P.  
Martin County

---

Enclosed is Permit Number 0850102-008-AC allowing for the installation of two new identically sized auxiliary boilers. The subject facility is the Indiantown Cogeneration Plant, located at 13303 SW Silver Fox Lane, Indiantown, Martin County. This permit is issued pursuant to Chapter 403, Florida Statutes and 40 CFR 52.21.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.



Trina Vielhauer, Chief  
Bureau of Air Regulation



**Indiantown Cogeneration, L.P.**

Indiantown Cogeneration, L.P.  
P.O. Box 1799  
13303 SW Silver Fox Lane  
Indiantown, FL 34956

772.597.6500  
Fax: 772.597.6210

December 01, 2005

Barbara Friday  
Department of Environmental Protection  
Bureau of Air Regulations  
2600 Blair Stone Road, Mail Station # 5505  
Tallahassee, FL 32399-2400

RECEIVED  
DEC 02 2005  
BUREAU OF AIR REGULATION

**VIA FEDERAL EXPRESS**

**Re: INTENT TO ISSUE AIR CONSTRUCTION PERMIT  
PERMIT # 0850102-008-AV (INDIANTOWN COGENERATION PLANT)**

Dear Barbara:

Pursuant to the requirement of Chapter 50, Florida Statutes, attached please find proof of publication , i.e., newspaper affidavit for "Public Notice of Intent to Issue Air Construction Permit" in the Stuart News on November 25<sup>th</sup>, 2005.

If you have any questions, please contact Nick Laryea at 772-597-6500, extension 19.

Sincerely,



Gary E. Willer  
General Manager

Enclosure

cc: N Laryea  
M. Halpin  
T. Patterson  
File



SCRIPPS HOWARD

# SCRIPPS TREASURE COAST NEWSPAPERS

The Stuart News  
The Port St. Lucie News

1939 S. Federal Highway, Stuart, FL 34994

## AFFIDAVIT OF PUBLICATION

STATE OF FLORIDA  
COUNTY OF MARTIN; COUNTY OF ST. LUCIE

Before the undersigned authority personally appeared, S. Darlene Mailing, who on oath says that she is Classified Inside Sales Manager of the Stuart News and the Port St. Lucie News, a daily newspaper published at Stuart in Martin County, Florida; that the attached copy of advertisement was published in the Stuart/Port St. Lucie News in the following issues below. Affiant further says that the said Stuart/Port St. Lucie News is a newspaper published in Stuart in said Martin County, Florida, with offices and paid circulation in Martin County and St. Lucie County, Florida, and that said newspapers have heretofore been continuously published in said Martin County, Florida, daily and distributed in Martin and St. Lucie County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid or 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. The Stuart News has been entered as Periodical Matter at the Post Offices in Stuart, Martin County, Florida and Ft. Pierce, St. Lucie County, Florida and has been for a period of one year next preceding the first publication of the attached copy of advertisement.

<u>Customer</u>	<u>Ad Number</u>	<u>Pub Date</u>	<u>Copyline</u>	<u>PO #</u>
INDIANTOWN COGENERAT	1273949	11/25/2005	NOTICE OF INTENT	0850102-008-AC

RECEIVED  
DEC 2 2005

BUREAU OF ADVERTISEMENT

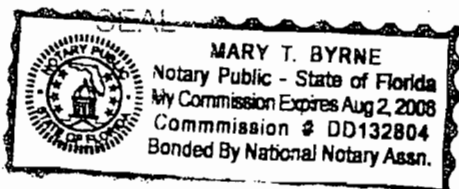
Subscribed and sworn to me before this date:

November 25, 2005

*S. Darlene Mailing*

*Mary T Byrne*

Notary Public



PUBLIC NOTICE OF INTENT TO ISSUE  
AIR CONSTRUCTION PERMIT  
STATE OF FLORIDA  
DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
DRAFT Permit Project No. 0850102-008-AC  
Indiantown Cogeneration Plant  
Martin County

The Department of Environmental Protection (Department) gives notice of its intent to issue air construction permit to Indiantown Cogeneration, L.P., for the Indiantown Cogeneration Plant, located at 13303 SW Silver Fox Lane, Indiantown, Martin County. The permit is to install two identical auxiliary boilers rated at a combined 350 MMBtu/hr at the existing facility. The boilers will only fire natural gas or propane and be limited to a combined 5000 hours per year of operation. The applicant's mailing address is: Indiantown Cogeneration, L.P., P.O. Box 1799, Indiantown, FL 34956.

A Best Available Control Technology (BACT) determination was not required pursuant to Rule 62-212.400, F.A.C. AND 40 CFR 52.21, Prevention of Significant Deterioration (PSD). An air quality impact was not conducted, or required.

The Department will issue the Final permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of this Public Notice of Intent to Issue Air Construction Permit. Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Sections 120.569 and 120.57 of the Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of the notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of the notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Department for notice of agency action may file a petition within fourteen 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 applicable 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 will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

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; 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 petitioner's substantial rights will be affected by the agency determination; (c) A statement of how and when the petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petitioner must so state; (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle petitioner to relief; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and, (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts 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.

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 notice of intent. 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.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Department of Environmental Protection  
Bureau of Air Regulation  
111 South Magnolia Drive, Suite 4  
Tallahassee, Florida 32301  
Telephone: 850/488-0114  
Fax: 850/922-6979

Department of Environmental Protection  
Southeast District Office  
400 North Congress Avenue  
West Palm Beach, Florida 33416-5425  
Telephone: 561/681-6600  
Fax: 561/681-6755

The complete project file includes the DRAFT Permit Renewal, the application for renewal, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, North Permitting Section, at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information. The Technical Evaluation and Preliminary Determination as well as the Draft Permit may be viewed at <http://www.dep.state.fl.us/Air/permitting/construction.htm>

Publish: November 25, 2005

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# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Colleen M. Castille  
Secretary

November 4, 2005

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Nicholas Laryea  
Indiantown Cogeneration, L.P.  
P.O. Box 1799  
Indiantown, FL 34956

Re: DEP File No. 0850102-008-AC  
Indiantown Cogeneration Plant

Dear Mr. Laryea:

Enclosed is one copy of the Draft air construction permit for the (2) new identically sized auxiliary boilers to be located at 13303 Silver Fox Lane, Indiantown, Martin County. The Technical Evaluation and Preliminary Determination, the Department's Intent to Issue Air Construction Permit and the Public Notice of Intent to Issue Air Construction Permit are also included.

The Public Notice of Intent to Issue Air Construction Permit must be published one time only, as soon as possible, in the legal advertisement section of a newspaper of general circulation in the area affected, pursuant to the requirements Chapter 50, Florida Statutes. Proof of publication, i.e., newspaper affidavit, must be provided to the Department's Bureau of Air Regulation office within seven days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit.

Please submit any written comments you wish to have considered concerning the Department's proposed action to J. F. Koerner, P.E., Administrator, North Permitting Section at the above letterhead address. If you have any other questions, please contact Michael P. Halpin at 850/921-9519.

Sincerely,

Trina Vielhauer, Chief,  
Bureau of Air Regulation

TV/mph

Enclosures

"More Protection, Less Process"

Printed on recycled paper.

In the Matter of an  
Application for Permit by:

Nicholas Laryea, Indiantown Cogeneration, L.P.  
P.O. Box 1799  
Indiantown, FL 34956

DEP File No. 0850102-008-AC  
Indiantown Cogeneration Plant  
Martin County

### **INTENT TO ISSUE AIR CONSTRUCTION PERMIT**

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit (copy of Draft permit attached) for the proposed project, detailed in the application specified above and the enclosed Technical Evaluation and Preliminary Determination, for the reasons stated below.

The applicant, Nicholas Laryea, Indiantown Cogeneration, L.P., applied on October 20, 2005, to the Department for an air construction permit for its Indiantown Cogeneration Plant located at 13303 SW Silver Fox Lane, Indiantown, Martin County. The permit is to install two identically sized auxiliary boilers (rated at a combined 350 MMBtu/hr while firing natural gas) at the existing facility.

The Department has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above actions are not exempt from permitting procedures. The Department has determined that an air construction permit is required to install the auxiliary boilers at the existing facility.

The Department intends to issue this air construction permit based on the belief that reasonable assurances have been provided to indicate that operation of these emission units will not adversely impact air quality, and the emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

Pursuant to Section 403.815, F.S., and Rule 62-110.106(7)(a)1., F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Construction Permit. The notice shall be published one time only in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.106(7)(b), F.A.C., requires that the applicant cause the notice to be published as soon as possible after notification by the Department of its intended action. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax 850/ 922-6979). You must provide proof of publication within seven days of publication, pursuant to Rule 62-110.106(5), F.A.C. No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in section 50.051, F.S. to the office of the Department issuing the permit. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rules 62-110.106(9) & (11), F.A.C.

The Department will issue the final permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of Public Notice of Intent to Issue Air Permit. Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen 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 will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department'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 interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition 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; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department'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.

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

Mediation is not available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542 F.S. The relief provided by this state statute applies only to state rules, not statutes; and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

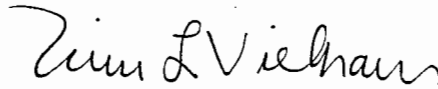
The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information: (a) The name, address, and telephone number of the petitioner; (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any; (c) Each rule or portion of a rule from which a variance or waiver is requested; (d) The citation to the statute underlying (implemented by) the rule identified in (c) above; (e) The type of action requested; (f) The specific facts that would justify a variance or waiver for the petitioner; (g) The reason why the variance or waiver would serve the purposes

of the underlying statute (implemented by the rule); and (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2) F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Executed in Tallahassee, Florida.



Trina Vielhauer, Chief  
Bureau of Air Regulation

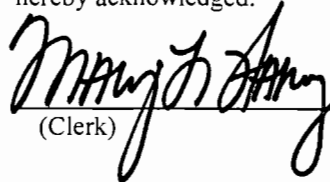
**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Intent to Issue Air Construction Permit (including the Public Notice of Intent to Issue Air Construction Permit, Technical Evaluation and Preliminary Determination, and the Draft permit) was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 11/9/05 to the person(s) listed:

Nicholas Laryea, Indiantown Cogeneration, L.P. \*  
Gary E. Willer, General Manager, Indiantown Cogeneration, L.P. \*  
William Cannon, P.E. Earth Tech, Inc.  
Darrel Graziani, SED-DEP  
Gregg Worley, EPA  
John Bunyak, NPS

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



(Clerk)

11/9/05  
(Date)

**PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT**

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEP File No. 0850102-008-AC

Indiantown Cogeneration Plant  
Indiantown, Martin County

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to Indiantown Cogeneration, L.P., for the Indiantown Cogeneration Plant located at 13303 SW Silver Fox Lane, Indiantown, Martin County. The permit is to install two identical auxiliary boilers rated at a combined 350 MMBtu/hr at the existing facility. The boilers will only fire natural gas or propane and be limited to a combined 5000 hours per year of operation. The applicant's mailing address is: Indiantown Cogeneration, L.P., P.O. Box 1799, Indiantown FL 34956.

A Best Available Control Technology (BACT) determination was not required pursuant to Rule 62-212.400, F.A.C. and 40 CFR 52.21, Prevention of Significant Deterioration (PSD). An air quality impact analysis was not conducted, or required.

The Department will issue the Final permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of this Public Notice of Intent to Issue Air Construction Permit. Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below. Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen 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 will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department'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 interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise

**NOTICE TO BE PUBLISHED IN THE NEWSPAPER**



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; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department'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

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

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dept. of Environmental Protection  
Bureau of Air Regulation  
Suite 4, 111 S. Magnolia Drive  
Tallahassee, Florida, 32301  
Telephone: 850/488-0114  
Fax: 850/922-6979

Dept. of Environmental Protection  
Southeast District  
400 North Congress Avenue  
West Palm Beach, Florida 33416-5425  
Telephone: 561/681-6600  
Fax: 561/681-6755

The complete project file includes the application, technical evaluations, Draft permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, North Permitting Section, at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information. The Technical Evaluation and Preliminary Determination as well as the Draft Permit may be viewed at <http://www.dep.state.fl.us/Air/permitting/construction.htm>.

NOTICE TO BE PUBLISHED IN THE NEWSPAPER

**TECHNICAL EVALUATION**  
**AND**  
**PRELIMINARY DETERMINATION**

Indiantown Cogeneration, L.P.

**Addition of (2) Auxiliary Boilers**

Martin County

0850102-008-AC



Department of Environmental Protection  
Division of Air Resources Management  
Bureau of Air Regulation  
North Permitting Section

November 4, 2005

# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

## 1. GENERAL INFORMATION

### 1.1 APPLICANT NAME AND ADDRESS

Indiantown Cogeneration, L.P.  
P.O. Box 1799  
Indiantown, Florida 34956

Authorized Representative: Nicholas Laryea, Indiantown Cogeneration, L.P.

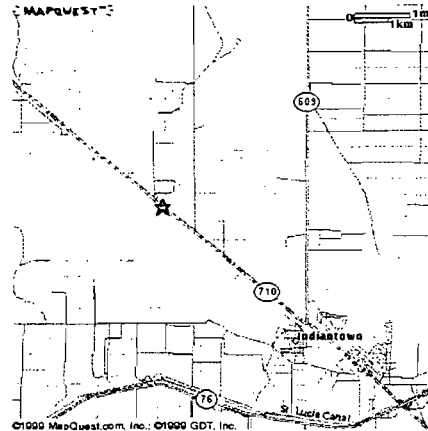
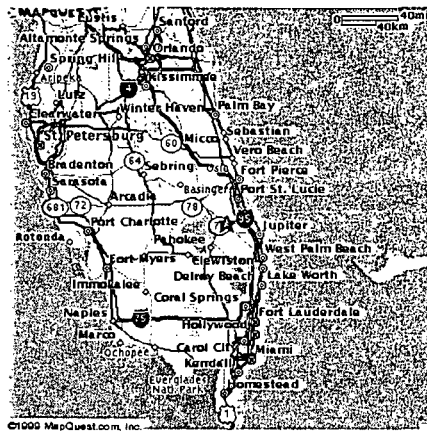
### 1.2 REVIEWING AND PROCESS SCHEDULE

October 20, 2005 Received complete permit application

## 2. FACILITY INFORMATION

### 2.1 FACILITY LOCATION

The facility is located at 13303 SW Silver Fox Lane, Indiantown, Martin County. The UTM coordinates are Zone 17; 547.65 km E; 2990.70 km N. This site is approximately 142 kilometers from the Everglades National Park, a Class I PSD Area.



### 2.2 STANDARD INDUSTRIAL CLASSIFICATION CODES (SIC)

Industry Group No.	49	Electric, Gas and Sanitary Services
Industry No.	4911	Electric Services

### 2.3 FACILITY CATEGORY

The Indiantown Cogeneration, L.P. (ICLP) is a cogeneration facility which generates electricity for sale and exports steam to the Caulkins Citrus Processing Plant. The facility includes one high-pressure pulverized coal main boiler rated at 3,422 MMBtu/hour heat input, with a nominal net electrical power output of approximately 330 megawatts. In addition to coal, it is permitted to fire natural gas, propane, or No. 2 fuel oil. Also included are two identical auxiliary boilers used for supplying steam to the steam host during times when the main boiler is offline, as well as during main boiler startup and shutdown periods. They have a combined total heat input rate of 358 MMBtu/hour, and are permitted to fire natural gas, propane, or No. 2 fuel oil. Steam produced by the auxiliary boilers is not used to generate electricity. In addition, the facility has a variety of ancillary equipment needed to support operations.

This facility is classified as a Major or Title V Source of air pollution because emissions of at least one regulated air pollutant, such as particulate matter (PM/PM<sub>10</sub>), sulfur dioxide (SO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), or volatile organic compounds (VOC) exceeds 100 tons per year (TPY). This facility is within an industry included in the list of the 28 Major Facility Categories per Table 62-212.400-1, F.A.C. Because emissions are greater than 100 TPY for at least one criteria pollutant, the facility is also a Major Facility with respect to Rule 62-212.400, Prevention of Significant Deterioration (PSD). Based upon the Title V application, the facility is a major source of hazardous air pollutants (HAPs).

# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

## 3. PROJECT DESCRIPTION

This project addresses the following new emissions unit:

Emissions Unit No.	Emissions Unit Description
007	(2) Identical Victory Energy Model 23M Keystone packaged water-tube steam boilers with a combined maximum rated capacity of 350 MMBtu/hr when firing natural gas and 341 MMBtu/hr when firing propane.

This project entails the addition of two identical auxiliary boilers. Although the completion of this project will ultimately result in the shutdown of the existing auxiliary boilers (based upon applicant submittals), corresponding emission reductions have not been considered herein.

The applicant proposes to install these new packaged boilers and to accept appropriate operating limits (including a maximum combined 5000 hours per year operation on gaseous fuels) so as to avoid a PSD review for all pollutants.

## 4. PROJECT EMISSIONS

### 4.1 MAXIMUM POTENTIAL TO EMIT

The following table summarizes the potential maximum project emissions increases of pollutants:

Pollutant	Proposed Gas Emission limit	TPY <sup>1</sup>	PSD Significant Emission Rates (TPY)	Subject To PSD Review?
NO <sub>x</sub>	0.040 lb/MMBtu	35 TPY	40	NO
CO	0.040 lb/MMBtu	35 TPY	100	NO
VOC	0.70 lb/hr	1.8 TPY	40	NO
SO <sub>2</sub>	0.21 lb/hr	0.53 TPY	40	NO
PM <sub>10</sub>	1.4 lb/hr	3.5 TPY	15	NO

<sup>1</sup> Based upon gas firing for 5000 hours/year.

## 5. RULE APPLICABILITY

This facility is located in an area designated, in accordance with Rule 62-204.340, F.A.C., as attainment for all pollutants. Rule 62-4.030, F.A.C., prohibits modification of any existing emissions unit without first receiving a permit. It further specifies that a permitted installation may only be modified in a manner that is consistent with the terms of such a permit. Rule 62-210.200, F.A.C., defines "modification" to mean generally a change that results in an increase in actual emissions of regulated air pollutants. Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C., also reiterate the requirement for construction permits. Additionally, Rule 62-210.300 requires an Air Construction permit for all new sources of air pollution unless specifically exempt. The emission unit affected by this permit shall comply with all applicable provisions of the Florida Administrative Code (including applicable portions of the Code of Federal Regulations incorporated therein).

### 5.1 NEW SOURCE PERFORMANCE STANDARDS

The project is subject to 40 CFR 60, Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (NSPS). The key emission limit required by this subpart is 0.10 lb/MMBtu NO<sub>x</sub>. The limit proposed by Indiantown is less than the requirements of this subpart.

### 5.2 NATIONAL EMISSIONS STANDARDS FOR HAZARDOUS POLLUTANTS

The project is subject to 40 CFR 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (NESHAP). The key emission limit required by this subpart is 400 ppmvd CO @ 3% O<sub>2</sub>. The Indiantown proposal is less than the requirements of this subpart.

# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

## 6. DEPARTMENT DETERMINATION

Since the new emissions unit (EU-007) will be limited to 5000 hours per year of only natural gas or propane firing, a PSD Review is avoided. The Department establishes the following emission limits:

Pollutant	Proposed Gas Emission limit	TPY <sup>1</sup>	PSD Significant Emission Rates (TPY)	Subject To PSD Review?
NO <sub>x</sub>	0.040 lb/MMBtu	35 TPY	40	NO
CO	0.040 lb/MMBtu	35 TPY	100	NO
VOC	0.70 lb/hr	1.8 TPY	40	NO
SO <sub>2</sub>	0.21 lb/hr	0.53 TPY	40	NO
PM <sub>10</sub>	1.4 lb/hr	3.5 TPY	15	NO

<sup>1</sup>Based upon natural gas firing for 5000 hours/year.

## 7. CONCLUSION

Based on the foregoing technical evaluation of the application, additional information submitted by the applicant and other available information, the Department has made a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations.

Michael P. Halpin, P.E. Review Engineer  
Department of Environmental Protection, Bureau of Air Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

**DRAFT**

**PERMITTEE:**

Indiantown Cogeneration, L.P.  
P.O. Box 1799  
Indiantown, FL 34956

*Authorized Representative:*

Mr. Nicholas Laryea  
Indiantown Cogeneration, L.P.

**ARMS Permit No.** 0850102-008-AC

**Facility ID No.** 0850102

**SIC No.** 4911

**Expires:** January 1, 2007

**PROJECT AND LOCATION**

The proposed project authorizes the installation of two natural gas (or propane) fired auxiliary boilers. The two identically sized packaged water-tube steam boilers have a combined rated maximum capacity of 350 MMBtu/hr.

The project will be located in Polk County at 13303 SW Silver Fox Lane. The UTM coordinates are Zone 17, 547.65 km E, 2990.70 km N.

**STATEMENT OF BASIS**

This air pollution construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to install the proposed equipment in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department.

**APPENDICES**

The following Appendices are attached as part of this permit.

Appendix GC - Construction Permit General Conditions

\_\_\_\_\_  
Michael G. Cooke, Director  
Division of Air Resource Management

Date:

**FACILITY DESCRIPTION**

The Indiantown Cogeneration Plant is a cogeneration facility which generates electricity for sale and exports steam to the Caulkins Citrus Processing Plant. The facility includes one high-pressure pulverized coal main boiler (PC boiler) rated at 3,422 MMBtu/hour heat input, and has a nominal net electrical power output of approximately 330 megawatts (MW). It is permitted to fire natural gas, propane, or No. 2 fuel oil for startup, shutdown, or load changes.

Also included are two identical auxiliary boilers used for supplying steam to the steam host during times when the PC boiler is offline, as well as during PC boiler startup and shutdown periods. They have a combined total heat input rate of 358 MMBtu/hour, and are permitted to fire natural gas, propane, or No. 2 fuel oil. Steam produced by the auxiliary boilers is not used to generate electricity. In addition, the facility has a variety of ancillary equipment needed to support operations as a coal-fired cogeneration plant.

This project entails the addition of two additional auxiliary boilers. Although the completion of this project will result in the shutdown of the existing auxiliary boilers (based upon applicant submittals), corresponding emission reductions have not been considered herein.

**NEW EMISSIONS UNIT**

ARMS ID No.	EMISSION UNIT DESCRIPTION
007	(2) Victory Energy Model 23M Keystone packaged water-tube steam boilers with a combined maximum rated capacity of 350 MMBtu/hr when firing natural gas and 341 MMBtu/hr when firing propane.

**REGULATORY CLASSIFICATION**

HAPs: This facility is a major source of hazardous air pollutants (Title III).

Acid Rain: This facility is subject to the acid rain provisions of the Clean Air Act (Title IV).

Title V Major Source: This facility is a Title V major source of air pollution.

PSD Major Source: The existing facility is classified as a PSD Major Source. Each pollutant with potential emissions greater than the Significant Emissions Rates specified in Table 62-212.400-2, F.A.C. requires a PSD review and Best Available Control Technology (BACT) determination. However, for this project, emissions of no pollutant are significant or subject to BACT standards, provided that the Emission Unit is operated as specified in this permit.

NSPS Sources: The auxiliary boilers specified in this permit are each subject to regulation under the New Source Performance Standards for Industrial Boilers, 40 CFR 60, Subpart Db.

NESHAP Sources: The auxiliary boilers specified in this permit are each subject to regulation under the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63, Subpart DDDDD.

**RELEVANT DOCUMENTS**

- Permit application received on 10/20/05
- Application complete on 10/20/05

**GENERAL AND ADMINISTRATIVE REQUIREMENTS**

1. Permitting Authority: All documents related to applications for permits to construct, operate or modify an emissions unit should be submitted to the Bureau of Air Regulation (BAR), Florida Department of Environmental Protection (DEP), at 2600 Blairstone Road, Tallahassee, Florida 32399-2400 and phone number 850/488-0114.
2. Compliance Authority: All documents related compliance activities such as reports, tests, and notifications should be submitted to the Air Resources Section of the Southeast District Office, Florida Department of Environmental Protection, 400 North Congress Avenue, West Palm Beach, Florida 33416-5425. The phone number is 561/681-6600.
3. Terminology: The terms used in this permit have specific meanings as defined in the applicable chapters of the Florida Administrative Code.
4. General Conditions: The owner and operator are subject to, and shall operate under the attached General Conditions listed in *Appendix GC* of this permit. General Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes. [Rule 62-4.160, F.A.C.]
5. Applicable Regulations, Forms and Application Procedures: Unless otherwise indicated in this permit, the construction and operation of the subject emissions unit shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of Chapter 403, F.S. and Florida Administrative Code Chapters 62-4, 62-110, 62-204, 62-212, 62-213, 62-296, 62-297 and the Code of Federal Regulations Title 40, Part 60, adopted by reference in the Florida Administrative Code (F.A.C.) regulations. The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting or regulations. [Rules 62-204.800, 62-210.300 and 62-210.900, F.A.C.]
6. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
7. Modifications: No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
8. Expiration: This air construction permit shall expire on January 1, 2007. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Department's Bureau of Air Regulation prior to 60 days before the expiration of the permit. [Rules 62-210.300(1), 62-4.070(4) 62-4.080, and 62-4.210, F.A.C.]
9. Title V Permit: This permit authorizes construction and/or installation of the permitted emissions unit and initial operation to determine compliance with Department rules. A Title V operation permit is required for regular operation of the permitted emissions unit. The owner or operator shall apply for a revision to the Title V operation permit at least ninety days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the Department's Bureau of Air Regulation, and a copy sent to the Department's Southeast District office. [Rules 62-4.030, 62-4.050, 62-4.220, and 62-213.420, F.A.C.]



DRAFT

This section of the permit addresses the following new emissions unit.

EU ID No.	EMISSION UNIT DESCRIPTION
007	(2) Victory Energy Model 23M Keystone packaged water-tube steam boilers with a combined maximum rated capacity of 350 MMBtu/hr when firing natural gas and 341 MMBtu/hr when firing propane.

#### APPLICABLE STANDARDS AND REGULATIONS

1. NSPS Requirements: The emission unit shall comply with all applicable requirements of 40 CFR 60, adopted by reference in Rule 62-204.800(7)(b), F.A.C.
  - (a) **Subpart A, General Provisions**, including:
    - 40 CFR 60.7, Notification and Record Keeping
    - 40 CFR 60.8, Performance Tests
    - 40 CFR 60.11, Compliance with Standards and Maintenance Requirements
    - 40 CFR 60.12, Circumvention
    - 40 CFR 60.13, Monitoring Requirements
    - 40 CFR 60.19, General Notification and Reporting Requirements
  - (b) **Subpart Db--Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**:
 

The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 MW (100 MMBtu/hour).
2. NESHAP Requirements: The auxiliary boilers shall comply with all applicable requirements of 40 CFR 63, Subpart DDDDD.

#### PERFORMANCE RESTRICTIONS

3. Auxiliary Boilers: The permittee is authorized to install, tune, operate and maintain two new identically sized gas-fired package boilers (Victory Energy Model 23M Keystone). [Applicant Request]
4. Permitted Capacity: the combined heat input to the identically sized auxiliary boilers shall not exceed 350 MMBtu per hour while firing natural gas, or 341 MMBtu per hour while firing propane. [Design, Rule 62-210.200, F.A.C. (Definition - PTE)]
5. Allowable Fuels: The identically sized auxiliary boilers shall be fired solely with pipeline-quality natural gas or liquid petroleum gas, as defined by the American Society for Testing and Materials in ASTM D1835-03a, "Standard Specification for Liquid Petroleum Gases". [Applicant Request, Rule 62-210.200, F.A.C. (Definition - PTE)]
6. Hours of Operation: The combined operation of the auxiliary boilers shall not exceed 5000 hours during any consecutive 12-month period. The permittee shall install, calibrate, operate and maintain a monitoring system to measure and accumulate the amount of natural gas as well as propane fired and the hours of operation for each auxiliary boiler. [Rule 62-210.200, F.A.C. (Definitions - PTE), Rule 62-212.400 (2)(g), F.A.C. (PSD Avoidance)]
7. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify the Compliance Authority as soon as possible, but at least within one working day, excluding weekends and

holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]

**EMISSIONS CONTROLS**

**8. Unconfined Emissions of Particulate Matter:** [Rule 62-296.320(4)(c), F.A.C.]

- (a) No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.
- (b) Any permit issued to a facility with emissions of unconfined particulate matter (PM) shall specify the reasonable precautions to be taken by that facility to control the emissions of unconfined PM.
- (c) Reasonable precautions include the following:
  - Paving and maintenance of roads, parking areas and yards.
  - Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
  - Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
  - Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from buildings or work areas to prevent particulate from becoming airborne.
  - Landscaping or planting of vegetation.
  - Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
  - Confining abrasive blasting where possible.
  - Enclosure or covering of conveyor systems.
- (d) In determining what constitutes reasonable precautions for a particular source, the Department shall consider the cost of the control technique or work practice, the environmental impacts of the technique or practice, and the degree of reduction of emissions expected from a particular technique or practice.

**9. Air Pollution Control Equipment:** Each boiler shall be fitted with Low NO<sub>x</sub> burners and Flue Gas Recirculation (FGR) so as to ensure that NO<sub>x</sub> emissions do not exceed 0.040 lb/MMBtu. [Applicant request; Rule 62-212.400(2)(g), F.A.C.; PSD avoidance]

**10. Circumvention:** The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]

**EMISSIONS STANDARDS**

**11. Summary:** The following table summarizes the emissions standards specified in this permit. Although these limits were not determined by BACT, they (along with other limitations described herein) form the basis for the Department's determination that PSD does not apply.

Pollutant	Emission limit	Annual Emissions (based upon a combined 5000 hrs/yr)
NO <sub>x</sub>	0.040 lb/MMBtu	35 TPY
CO	0.040 lb/MMBtu	35 TPY
VOC	0.70 lb/hr	1.8 TPY

SO <sub>2</sub>	0.21 lb/hr	0.53 TPY
PM <sub>10</sub>	1.4 lb/hr	3.5 TPY

12. Carbon Monoxide (CO):

After an initial demonstration that the manufacturers guarantee (0.04 lb/MMBtu) can be met, CO emissions shall not exceed 400 ppm by volume corrected to 3 percent oxygen (30-day rolling average). Additionally, annual emissions of CO from this emission unit shall not exceed 35 TPY, based upon a 12-month rolling total.

The permittee shall demonstrate compliance with this standard by conducting performance tests and emissions monitoring in accordance with EPA Method 10 and the CEMS requirement of this permit. [40 CFR 63, Subpart DDDDD]

13. Nitrogen Oxides (NO<sub>x</sub>):

NO<sub>x</sub> emissions from this emission unit shall not exceed 0.040 lb/MMBtu based upon a 30-day rolling average. Additionally, annual emissions of NO<sub>x</sub> from this emission unit shall not exceed 35 TPY, based upon a 12-month rolling total.

The permittee shall demonstrate compliance with this standard by conducting performance tests and emissions monitoring in accordance with EPA Method 7 and the CEMS requirement of this permit. [Rule 62-212.400, F.A.C. (PSD avoidance)]

14. Particulate Matter (PM/PM<sub>10</sub>), Sulfuric Acid Mist (SAM) and Sulfur Dioxides (SO<sub>2</sub>)

(a) Fuel Specifications. Emissions of PM, PM<sub>10</sub>, SAM, and SO<sub>2</sub> shall be limited by the sole use of pipeline-quality natural gas and commercial propane meeting GPA Liquefied Petroleum Gas Specifications. The permittee shall demonstrate compliance with the sulfur limits of each fuel by maintaining the records specified by this permit. The fuel specification is a work practice standard established as a means of complying with the small Boiler BACT for PM and SO<sub>2</sub> under Rule 62-296.406, F.A.C. and as a synthetic minor limit for SAM/SO<sub>2</sub> emissions [Rule 62-4.070(3), F.A.C.; Rule 62-212.400(2)(g), F.A.C. (PSD Avoidance)].

(b) General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer, or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20% opacity). The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C. [Rule 62-296.320(4)(b)1, F.A.C.]

15. Volatile Organic Compounds (VOC):

VOC emissions from this emission unit shall exceed neither 0.70 lb/hr nor 1.8 TPY, based upon a 12-month rolling total. The permittee shall demonstrate compliance with these standards by conducting an initial test in accordance with EPA Method 25A and the performance testing requirements of this permit. Thereafter, compliance with the CO limits established in this permit shall be sufficient to demonstrate PSD avoidance. [Rule 62-212.400, F.A.C., Rule 62-212.400(2)(g), F.A.C. (PSD avoidance)]

**EXCESS EMISSIONS**

16. Excess Emissions Prohibited: Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. These emissions shall be included in the calculation of the

12-month rolling and 30-day rolling averages to demonstrate compliance with the continuous emissions standards except as provided within this permit. [Rule 62-210.700(4), F.A.C.]

17. Excess Emissions Allowed: Providing the permittee adheres to best operational practices to minimize the amount and duration of excess emissions, the following conditions shall apply:
- (a) During startup and shutdown, visible emissions excluding water vapor shall not exceed 20% opacity for up to 2 hours in any 24-hour period. [Design; Rule 62-210.700(1) and (5), F.A.C.]
  - (b) During all startups, shutdowns, and malfunctions, the continuous emissions monitor (CEM) shall monitor and record emissions. For the purpose of complying with the CO standard as set forth in the applicable NESHAP, data averaging and the exclusion of CEMS data shall comply with the applicable portions of 40 CFR 63 Subpart DDDDD. For the purpose of ensuring compliance with the NO<sub>x</sub> standard as set forth in the applicable NSPS, data averaging and the exclusion of CEMS data shall comply with the applicable portions of 40 CFR 60 Subpart Db. For the purpose of ensuring the avoidance of PSD and resulting BACT Standards for NO<sub>x</sub> and CO, no data may be excluded from the calculation of TPY emissions. In case of malfunctions, the permittee shall notify the Compliance Authorities within one working day. A full written report on the malfunctions shall be submitted in a quarterly report. [Design; Rules 62-210.700(1), (5), and 62-4.130, F.A.C.]

#### EMISSIONS PERFORMANCE TESTING

18. Sampling Facilities: The permittee shall design the stack to accommodate adequate testing and sampling locations in order to determine compliance with the applicable emission limits specified by this permit. Permanent stack sampling facilities shall be installed in accordance with Rule 62-297.310(6), F.A.C. [Rules 62-4.070 and 62-204.800, F.A.C., and 40 CFR 60.40a(b)]
19. Performance Test Methods: Initial (I) and Annual (A) compliance tests shall be performed in accordance with the following reference methods as described in 40 CFR 60, Appendix A, and adopted by reference in Chapter 62-204.800, F.A.C.
- (a) EPA Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources (I, A);
  - (b) EPA Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources (I, A);
  - (c) EPA Method 7 - Determination of Oxides of Nitrogen Oxide Emissions from Stationary Sources (I, A);  
and
  - (d) EPA Method 25A - Determination of Volatile Organic Concentrations (I).
- Annual RATA testing at 100% output may be utilized to satisfy the above annual requirements for CO and NO<sub>x</sub> tests. No other test methods may be used for compliance testing unless prior DEP approval is received, in writing, from the DEP Emissions Monitoring Section Administrator in accordance with an alternate sampling procedure specified in Rule 62-297.620, F.A.C.
20. Test Notification: The permittee shall notify the Compliance Authority in writing at least 30 days prior to initial performance tests and at least 15 days prior to any other required tests. [40 CFR 60.7, 40 CFR 60.8 and Rule 62-297.310(7)(a)9., F.A.C.]
21. Initial Tests Required: Initial performance tests to demonstrate compliance with the emission standards specified in this permit shall be conducted within 60 days after achieving at least 90% of permitted capacity, but not later than 180 days after initial operation of the emission unit. Initial performance tests shall be conducted for CO, NO<sub>x</sub>, VOC, and visible emissions from the emission unit. NO<sub>x</sub> emissions data shall also be converted into units of the NSPS emissions standard. CO performance tests shall be conducted concurrently with all NO<sub>x</sub> performance tests. [Rule 62-297.310(7)(a)1., F.A.C.]

22. Annual Performance Tests: To demonstrate compliance with the emission standards specified in this permit, the permittee shall conduct annual performance tests for CO, NO<sub>x</sub> and visible emissions from the emission unit. If conducted at permitted capacity, CO and NO<sub>x</sub> emissions data collected during the required annual CO and NO<sub>x</sub> continuous monitor RATA may be substituted for the required annual performance test. Tests required on an annual basis shall be conducted at least once during each federal fiscal year (October 1<sup>st</sup> to September 30<sup>th</sup>). [Rule 62-297.310(7)(a)4., F.A.C.]
23. Tests Prior to Permit Renewal: Prior to renewing the air operation permit, the permittee shall conduct performance tests for CO, NO<sub>x</sub>, VOC, and visible emissions from the emission unit. These tests shall be conducted within the 12-month period prior to renewing the air operation permit. For pollutants that are required to be tested annually, the permittee may submit the most recent annual compliance test to satisfy the requirements of this provision. [Rule 62-297.310(7)(a)3., F.A.C.]
24. Tests After Substantial Modifications: All performance tests required for initial startup shall also be conducted after any substantial modification and appropriate shakedown period of air pollution control equipment. Shakedown periods shall not exceed 100 days after re-starting the emission unit. [Rule 62-297.310(7)(a)4., F.A.C.]
25. Calculation of Emission Rate: For each emissions performance test, the indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule. [Rule 62-297.310(3), F.A.C.]
26. Applicable Test Procedures
- (a) Required Sampling Time.
1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes. [Rule 62-297.310(4)(a)1., F.A.C.]
  2. The minimum observation period for a visible emissions compliance test shall be sixty (60) minutes. The observation period shall include the period during which the highest opacity can reasonably be expected to occur. [Rule 62-297.310(4)(a)2., F.A.C.]
- (b) Minimum Sample Volume. Unless otherwise specified in the applicable rule or test method, the minimum sample volume per run shall be 25 dry standard cubic feet. [Rule 62-297.310(4)(b), F.A.C.]
- (c) Calibration of Sampling Equipment. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1, F.A.C. [Rule 62-297.310(4)(d), F.A.C.]
27. Determination of Process Variables
- (a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards. [Rule 62-297.310(5)(a), F.A.C.]
- (b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value. [Rule 62-297.310(5)(b), F.A.C.]

28. Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7)(b), F.A.C.]

#### CONTINUOUS MONITORING REQUIREMENTS

29. Continuous Emission Monitoring System: The owner or operator shall install, calibrate, maintain, and operate a continuous emission monitoring (CEM) system in the exhaust stack of this emissions unit to measure and record the emissions of NO<sub>x</sub> and CO from the emissions units, and the carbon dioxide (CO<sub>2</sub>) content of the flue gas at the location where NO<sub>x</sub> and CO are monitored, in a manner sufficient to demonstrate compliance with the emission limits of this permit. The CEM system shall be used to demonstrate compliance with the emission limits for NO<sub>x</sub> and CO within this permit.

Compliance with the limits established herein for NO<sub>x</sub> shall be based on 30-day and 12-month rolling totals starting at midnight of the first day of each calendar month. Each hourly value shall be computed using at least one data point in each fifteen-minute quadrant of an hour, where the unit combusted fuel during that quadrant of an hour. Notwithstanding this requirement, an hourly value shall be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant of an hour). The owner or operator shall use all valid measurements or data points collected during an hour to calculate the hourly averages. All data points collected during an hour shall be, to the extent practicable, evenly spaced over the hour. If the CEM system measures concentration on a wet basis, the CEM system shall include provisions to determine the moisture content of the exhaust gas and an algorithm to enable correction of the monitoring results to a dry basis (0% moisture). Alternatively, the owner or operator may develop through manual stack test measurements a curve of moisture contents in the exhaust gas versus load for each allowable fuel, and use these typical values in an algorithm to enable correction of the monitoring results to a dry basis (0% moisture). Final results of the NO<sub>x</sub> CEM system shall be expressed as lb/MMBtu and total pounds emitted.

For the CO emissions limits established herein, measurements shall be in parts per million corrected to 3% oxygen and be based on 30-day and 12-month rolling averages starting at midnight each calendar day. Each rolling average shall be calculated by adding each valid 24-hour block average from valid operating days within the calendar month.

Annual (12-month rolling) NO<sub>x</sub> and CO emission totals shall be recalculated monthly and available on site for inspection purposes. Additionally, each year the facility shall submit all 12 months worth of calculations as part of the AOR submission.

30. Certification: The NO<sub>x</sub> monitor shall be certified and operated in accordance with the following requirements. The NO<sub>x</sub> monitor shall be certified pursuant to 40 CFR Part 60, Appendix B and shall be operated and maintained in accordance with the applicable requirements. Quality assurance procedures shall conform to the requirements of 40 CFR 60, Appendix F. The RATA tests required for the NO<sub>x</sub> monitor shall be performed using EPA Method 7 of Appendix A of 40 CFR 60.

The CO monitor and CO<sub>2</sub> monitor shall be certified and operated in accordance with the following requirements. The CO monitor shall be certified pursuant to 40 CFR 60, Appendix B, Performance Specification 4. The CO<sub>2</sub> monitor shall be certified pursuant to 40 CFR 60, Appendix B, Performance Specification 3. Quality assurance procedures shall conform to the requirements of 40 CFR 60, Appendix F. The Data Assessment Report of section 7 shall be made each calendar quarter, and reported semi-annually to the Department's Southeast District Office. The RATA tests required for the CO monitor shall be performed using EPA Method 10, of Appendix A of 40 CFR 60. The Method 10 analysis shall be based

on a continuous sampling train, and the ascarite trap may be omitted or the interference trap of section 10.1 may be used in lieu of the silica gel and ascarite traps. The RATA tests required for the CO<sub>2</sub> monitor shall be performed using EPA Method 3B, of Appendix A of 40 CFR 60.

31. NO<sub>x</sub>/CO CEMS Data Requirements: NO<sub>x</sub>, CO and CO<sub>2</sub> emissions data shall be recorded by the CEM system during episodes of startup, shutdown and malfunction. Best operational practices shall be used to minimize hourly emissions that occur during episodes of startup, shutdown and malfunction. Emissions of any quantity or duration that occur entirely or in part from poor maintenance, poor operation, or any other equipment or process failure, which may reasonably be prevented, shall be prohibited.

A summary report of data excluded from the block average calculation, and all instances of missing data from monitor downtime, shall be reported to the Department's Southeast District office semi-annually, and shall be consolidated with the report required pursuant to 40 CFR 60.7. The duration of excess emissions shall be the duration of the periods of data excluded for such episodes. Reports required by this paragraph and by 40 CFR 60.7 shall be submitted no less than semi-annually, including semi-annual periods in which no data is excluded or no instances of missing data occur. [Rules 62-4.070(3) and 62-212.400., F.A.C., and PSD avoidance]

#### COMPLIANCE DEMONSTRATIONS

32. Records Retention: All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least five (5) years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request. [Rules 62-4.160(14) and 62-213.440(1)(b)2., F.A.C.]

#### REPORTS

33. Emissions Performance Test Reports: A report indicating the results of any required emissions performance test shall be submitted to the Compliance Authority no later than 45 days after completion of the last test run. The test report shall provide sufficient detail on the tested emission unit and the procedures used to allow the Department to determine if the test was properly conducted and if the test results were properly computed. At a minimum, the test report shall provide the applicable information listed in Rule 62-297.310(8)(c), F.A.C. [Rule 62-297.310(8), F.A.C.].
34. Quarterly Excess Emissions Reports: If excess CO, NO<sub>x</sub> or visible emissions occur due to malfunction, the permittee shall notify the Compliance Authority within (1) working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Department may request a written summary report of the incident. Following the NSPS format in 40 CFR 60.7, Subpart A, periods of startup, shutdown and malfunction, shall be monitored, recorded and reported as excess emissions when emission levels exceed the standards specified in this permit. Within thirty (30) days following each calendar quarter, the permittee shall submit a report on any periods of excess emissions that occurred during the previous calendar quarter to the Compliance Authority. [Rules 62-4.130, 62-204.800, 62-210.700(6), F.A.C., and 40 CFR 60.7]
35. Annual Operating Report: The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by March 1st of each year. This report shall include a summary of each of the prior year 12-month emission limitations, which are required for EU-007 by this permit. [Rule 62-210.370(2), F.A.C.]

**APPENDIX GC**  
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

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- G.1 The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- G.2 This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings or exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- G.3 As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- G.4 This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- G.5 This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- G.6 The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- G.7 The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
- a) Have access to and copy and records that must be kept under the conditions of the permit;
  - b) Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
  - c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.
- Reasonable time may depend on the nature of the concern being investigated.
- G.8 If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
- a) A description of and cause of non-compliance; and
  - b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.



**APPENDIX GC**  
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

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The permittee shall be responsible for any and all damages, which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

- G.9 In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- G.10 The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- G.11 This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- G.12 This permit or a copy thereof shall be kept at the work site of the permitted activity.
- G.13 This permit also constitutes:
- a) Determination of Best Available Control Technology (X)
  - b) Determination of Prevention of Significant Deterioration (X); and
  - c) Compliance with New Source Performance Standards (X).
- G.14 The permittee shall comply with the following:
- a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - c) Records of monitoring information shall include:
    - 1. The date, exact place, and time of sampling or measurements;
    - 2. The person responsible for performing the sampling or measurements;
    - 3. The dates analyses were performed;
    - 4. The person responsible for performing the analyses;
    - 5. The analytical techniques or methods used; and
    - 6. The results of such analyses.
- G.15 When requested by the Department, the permittee shall within a reasonable time furnish any information required by law, which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Nicholas Laryea  
 Indiantown Cogeneration, L.P.  
 Post Office Box 1799  
 Indiantown, Florida 34956

2. Article Number

(Transfer from service label)

7001 0320 0001 3692 4132

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X Swelder

- Agent
- Addressee

B. Received by (Printed Name)

Swelder

C. Date of Delivery

NOV 14 2005

D. Is delivery address different from item 1? If YES, enter delivery address below:

- Yes
- No

3. Service Type

- Certified Mail
- Registered
- Insured Mail
- Express Mail
- Return Receipt for Merchandise
- C.O.D.

4. Restricted Delivery? (Extra Fee)

- Yes

**U.S. Postal Service CERTIFIED MAIL RECEIPT**

(Domestic Mail Only; No Insurance Coverage Provided)

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		

Postmark Here

Mr. Gary E. Willer, General Manager,  
 Indiantown Cogeneration, L.P.  
 Post Office Box 1799  
 Indiantown, Florida 34956

PS Form 3800, January 2001

See Reverse for Instructions

**U.S. Postal Service CERTIFIED MAIL RECEIPT**

(Domestic Mail Only; No Insurance Coverage Provided)

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		

Postmark Here

Mr. Nicholas Laryea  
 Indiantown Cogeneration, L.P.  
 Post Office Box 1799  
 Indiantown, Florida 34956

PS Form 3800, January 2001

See Reverse for Instructions

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Gary E. Willer, General Manager,  
 Indiantown Cogeneration, L.P.  
 Post Office Box 1799  
 Indiantown, Florida 34956

2. Article Number

(Transfer from service label)

7001 0320 0001 3692 4125

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X Swelder

- Agent
- Addressee

B. Received by (Printed Name)

Swelder

C. Date of Delivery

NOV 14 2005

D. Is delivery address different from item 1? If YES, enter delivery address below:

- Yes
- No

3. Service Type

- Certified Mail
- Registered
- Insured Mail
- Express Mail
- Return Receipt for Merchandise
- C.O.D.

4. Restricted Delivery? (Extra Fee)

- Yes

**Indiantown Cogeneration, L.P.**

Indiantown Cogeneration, L.P.  
P.O. Box 1799  
13303 SW Silver Fox Lane  
Indiantown, FL 34956

772.597.6500  
Fax: 772.597.6210

October 18, 2005

Trina Vielhauer, Bureau Chief  
Florida Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation  
2600 Blair Stone Road MS 5500  
Tallahassee, Florida 32399-2400

**RECEIVED**

**OCT 20 2005**

**BUREAU OF AIR REGULATION**

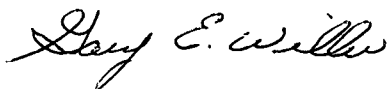
Dear Ms. Vielhauer

Indiantown Cogeneration LP is submitting herewith four (4) copies of the air construction permit application for two new auxiliary boilers to be located at the Indiantown Cogeneration Plant. This permit application has been prepared in accordance with the requirements of Chapter 62-212, F.A.C. In addition, proposed permit condition revisions are attached.

Indiantown Cogeneration LP proposes to install two new auxiliary boilers (EU ID 007) to replace the two existing auxiliary boilers (EU ID 003) at the Indiantown Cogeneration Plant. The auxiliary boilers will be fired with either natural gas or propane and will have a combined maximum continuous rating of 350 million Btu per hour (MMBtu/hr) when firing natural gas and 341 MMBtu/hr when firing propane. Each boiler will be operated for no more than 5,000 hours per year.

If you have any questions concerning the enclosed permit application, please do not hesitate to contact Nicholas Laryea at 772-597-6500 extension 19.

Sincerely yours,



Gary E. Willer  
General Manager

cc: Delvis Gil-Indiantown Cogeneration  
Tracy Patterson - Cogentrix  
AJ Jablonowski- Earth Tech  
David Dee- Landers & Parsons  
File

*C. Halladay*  
*D. Mancini, SED*



# Department of Environmental Protection

**RECEIVED**

OCT 20 2005

## Division of Air Resource Management

### APPLICATION FOR AIR PERMIT - LONG FORM FORM 62-210.900(1) OF AIR REGULATION

#### I. APPLICATION INFORMATION

**Air Construction Permit** – Use this form to apply for an air construction permit for a proposed project:

- subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- at an existing federally enforceable state air operation permit (FESOP) or Title V permitted facility.

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

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

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

– Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

#### Identification of Facility

1. Facility Owner/Company Name: Indiantown Cogeneration, L.P.	
2. Site Name: Indiantown Cogeneration Plant	
3. Facility Identification Number: 0850102	
4. Facility Location. Street Address or Other Locator: 13303 SW Silver Fox Lane City: Indiantown                      County: Martin                      Zip Code: 34956	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

#### Application Contact

1. Application Contact Name: Nicholas Laryea	
2. Application Contact Mailing Address... Organization/Firm: Indiantown Cogeneration, L.P. Street Address: P.O. Box 1799 City: Indiantown                      State: FL                      Zip Code: 34956	
3. Application Contact Telephone Numbers... Telephone: (772) 597-6500                      ext.                      Fax: (772) 597-6210	
4. Application Contact Email Address: NicholasLaryea@cogentrix.com	

#### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	10-20-05
2. Project Number(s):	0850102-008-AC
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

## 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

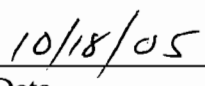
Air construction permit for two (2) new auxiliary boilers fired with natural gas or propane to be located at the Indiantown Cogeneration Plant.



## APPLICATION INFORMATION

### Owner/Authorized Representative Statement

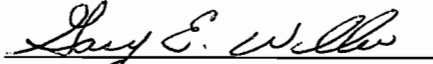
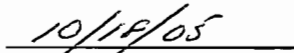
**Complete if applying for an air construction permit or an initial FESOP.**

1. Owner/Authorized Representative Name : Nicholas Laryea
2. Owner/Authorized Representative Mailing Address. Organization/Firm: Indiantown Cogeneration LP Street Address: P.O. Box 1799 City: Indiantown State: FL Zip Code: 34956
3. Owner/Authorized Representative Telephone Numbers... Telephone: (772) 597-6500 ext. Fax: (772) 597-6210
4. Owner/Authorized Representative Email Address: NicholasLaryea@cogentrix.com
5. Owner/Authorized Representative Statement:  <i>I, the undersigned, am the owner or authorized representative of the facility 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 requirements identified in this application to which the facility 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.</i>   Signature  Date

## 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: Gary Willer
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input 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 checked="" 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: Indiantown Cogeneration, LP Street Address: P.O. Box 1799 City: Indiantown State: FL Zip Code: 34956
4. Application Responsible Official Telephone Numbers... Telephone: (772) 597-6500 ext. Fax: (772) 597-6210
5. Application Responsible Official Email Address: GrayWiller@cogentrix.com
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  Date



**APPLICATION INFORMATION**

**Professional Engineer Certification**

1.	Professional Engineer Name: William Cannon Registration Number: 53639
2.	Professional Engineer Mailing Address... Organization/Firm: Earth Tech, Inc. Street Address: 10 Patewood Drive, Building VI, Suite 500 City: Greenville State: SC Zip Code: 29615
3.	Professional Engineer Telephone Numbers... Telephone: (864) 234-3581 ext. Fax: (864) 234-3069
4.	Professional Engineer Email Address: bill.cannon@earthtech.com

5. Professional Engineer Statement:

*I, the undersigned, hereby certify, except as particularly noted herein\*, that:*

(1) *To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and*

(2) *To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.*

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

(4) *If the purpose of this application is to obtain an air construction permit (check here , if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here , if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.*

(5) *If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here , if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.*

Signature: *William Cannon* Date: 10/3/05

(seal) Earth Tech Certificate of Authorization No. 00008115

\*Attach any exception to certification statement.

## II. FACILITY INFORMATION

### A. GENERAL FACILITY INFORMATION

#### Facility Location and Type

1. Facility UTM Coordinates...			2. Facility Latitude/Longitude...		
Zone 17	East (km)	547.65	Latitude (DD/MM/SS)	27/02/21	
	North (km)	2990.70	Longitude (DD/MM/SS)	80/30/53	
3. Governmental Facility Code:		4. Facility Status Code:		5. Facility Major Group SIC Code:	6. Facility SIC(s):
0		A		49	4911
7. Facility Comment : Electric Services					

#### Facility Contact

1. Facility Contact Name: Nicholas Laryea					
2. Facility Contact Mailing Address...					
Organization/Firm: Indiantown Cogeneration LP					
Street Address: P.O. Box 1799					
City: Indiantown		State: FL		Zip Code: 34956	
3. Facility Contact Telephone Numbers:					
Telephone: (772) 597-6500		ext. Fax:		(772) 597-6210	
4. Facility Contact Email Address: NicholasLaryea@cogentrix.com					

#### Facility Primary Responsible Official

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

1. Facility Primary Responsible Official Name: Gary E. Willer					
2. Facility Primary Responsible Official Mailing Address...					
Organization/Firm: Indiantown Cogeneration LP					
Street Address: P.O. Box 1799					
City: Indiantown		State: FL		Zip Code: 34956	
3. Facility Primary Responsible Official Telephone Numbers...					
Telephone: (772) 597-6500		ext. Fax:		(772) 597-6210	
4. Facility Primary Responsible Official Email Address: GaryWiller@cogentrix.com					

**FACILITY INFORMATION**

**Facility Regulatory Classifications**

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

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

**FACILITY INFORMATION**

**List of Pollutants Emitted by Facility**

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
CO: Carbon Monoxide	A	
NOX: Nitrogen Oxides	A	
PM: Particulate Matter - Total	A	
PM10: Particulate Matter –PM10	A	
SO2: Sulfur Dioxide	A	
VOC: Volatile Organic Compounds	A	



**FACILITY INFORMATION**

**C. FACILITY ADDITIONAL INFORMATION**

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

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

**Additional Requirements for Air Construction Permit Applications**

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (existing permitted facility)
2. Description of Proposed Construction or Modification: <input checked="" type="checkbox"/> Attached, Document ID: <u>Attachment III</u>
3. Rule Applicability Analysis: <input checked="" type="checkbox"/> Attached, Document ID: <u>Attachment III</u>
4. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (no exempt units at facility)
5. Fugitive Emissions Identification (Rule 62-212.400(2), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
6. Preconstruction Air Quality Monitoring and Analysis (Rule 62-212.400(5)(f), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Ambient Impact Analysis (Rule 62-212.400(5)(d), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8. Air Quality Impact since 1977 (Rule 62-212.400(5)(h)5., F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Additional Impact Analyses (Rules 62-212.400(5)(e)1. and 62-212.500(4)(e), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable



## EMISSIONS UNIT INFORMATION

Section [ 1] of [ 1]

### III. EMISSIONS UNIT INFORMATION

**Title V Air Operation Permit Application** - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application for air permit. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

**Air Construction Permit or FESOP Application** - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

**Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application** - Where this application is used to apply for both an air construction permit and a revised/renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. **The air construction permitting classification must be used to complete the Emissions Unit Information Section of this application for air permit.** A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air construction permitting and insignificant emissions units are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.



**EMISSIONS UNIT INFORMATION**

Section [ 1] of [ 1]

**A. GENERAL EMISSIONS UNIT INFORMATION**

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

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

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

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

**Emissions Unit Description and Status**

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

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

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

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

2. Description of Emissions Unit Addressed in this Section: (2) Auxiliary Boilers

3. Emissions Unit Identification Number: 007

4. Emissions Unit Status Code: C	5. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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9. Package Unit:  
Manufacturer: Victory Energy Model Number: 23M

10. Generator Nameplate Rating: MW

11. Emissions Unit Comment:

Two (2) packaged watertube steam boilers with a combined maximum rated capacity of 350 MMBtu/hr when firing natural gas and 341 MMBtu/hr when firing propane. Each boiler will be operated for a maximum of 5,000 hours per year.

**EMISSIONS UNIT INFORMATION**

Section [ 1] of [ 1]

**Emissions Unit Control Equipment**

1. Control Equipment/Method(s) Description:

NO<sub>x</sub> Control Equipment: Todd Combustion or Equivalent Low-NO<sub>x</sub> Burners and Flue Gas Recirculation

2. Control Device or Method Code(s): 205 and 026

**EMISSIONS UNIT INFORMATION**

Section [ 1] of [ 1]

**B. EMISSIONS UNIT CAPACITY INFORMATION**

(Optional for unregulated emissions units.)

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Process or Throughput Rate:
2. Maximum Production Rate:
3. Maximum Heat Input Rate: 350 million Btu/hr
4. Maximum Incineration Rate: pounds/hr tons/day
5. Requested Maximum Operating Schedule: 24 hours/day 52 weeks/year 7 days/week 5,000 hours/year
6. Operating Capacity/Schedule Comment:  Maximum rated capacity of 350 mmBtu/hr when firing natural gas and 341 mmBtu/hr when propane.

**EMISSIONS UNIT INFORMATION**

Section [ 1 ] of [ 1 ]

**C. EMISSION POINT (STACK/VENT) INFORMATION  
(Optional for unregulated emissions units.)****Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: 01	2. Emission Point Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking: (2) Auxiliary Boilers vented to common stack (Point 01).		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: EU ID 007		
5. Discharge Type Code: V	6. Stack Height: 210 feet	7. Exit Diameter: 5 feet
8. Exit Temperature: 551 °F	9. Actual Volumetric Flow Rate: 146,600 acfm @ 3% O <sub>2</sub>	10. Water Vapor: 18 %
11. Maximum Dry Standard Flow Rate: 62,800 dscfm @ 3% O <sub>2</sub>	12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: 17 East (km): 547.65 North (km): 2990.70	14. Emission Point Latitude/Longitude... Latitude (DD/MM/SS) 27/02/21 Longitude (DD/MM/SS) 80/30/53	
15. Emission Point Comment:		

**EMISSIONS UNIT INFORMATION**

Section [ 1 ] of [ 1 ]

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

**Segment Description and Rate:** Segment  1  of  2

1. Segment Description (Process/Fuel Type): (2) Auxiliary Boilers/Natural Gas		
2. Source Classification Code (SCC): 10100601		3. SCC Units: Million Cubic Feet Natural Gas Burned
4. Maximum Hourly Rate: 0.37	5. Maximum Annual Rate: 1,840	6. Estimated Annual Activity Factor: 4%
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 950
10. Segment Comment: Each boiler limited to 5,000 hours per year firing natural gas and propane.		

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

1. Segment Description (Process/Fuel Type): (2) Auxiliary Boilers/Propane		
2. Source Classification Code (SCC): 10101002		3. SCC Units: Thousands Gallons Propane Burned
4. Maximum Hourly Rate: 3.9	5. Maximum Annual Rate: 18,800	6. Estimated Annual Activity Factor: <1%
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 90.5
10. Segment Comment: Each boiler limited to 5,000 hours per year firing natural gas and propane.		

**EMISSIONS UNIT INFORMATION**

Section [ 1] of [ 1]

**E. EMISSIONS UNIT POLLUTANTS**

**List of Pollutants Emitted by Emissions Unit**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
CO	024		EL
NOX	205	026	EL
PM	024		EL
PM10	024		EL
SO2			EL
VOC	024		EL

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –  
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

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

**Potential/Estimated Fugitive Emissions**

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

1. Pollutant Emitted: CO	2. Total Percent Efficiency of Control:
3. Potential Emissions: 14.0 lb/hour                      35.0 tons/year	4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 0.040 lb/mmBtu  Reference: Manufacturer's Guarantee	7. Emissions Method Code: 2
8. Calculation of Emissions: CO (Hourly) = (0.040 lb/mmBtu)(350 mmBtu/hr) = 14.0 lb/hr CO (Annual) = (14.0 lb/hr)(5,000 hr/yr)/(2,000 lb/ton) = 35.0 ton/yr	
9. Pollutant Potential/Estimated Fugitive Emissions Comment: Each boiler limited to 5,000 hours per year firing natural gas or propane.	

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –  
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS (CONTINUED)**

1. Pollutant Emitted: NOX		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 14.0 lb/hour                      35.0 tons/year		4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 0.040 lb/mmBtu Reference: Manufacturer's Guarantee		7. Emissions Method Code: 2	
8. Calculation of Emissions: NOX (Hourly) = (0.040 lb/mmBtu)(350 mmBtu/hr) = 14.0 lb/hr NOX (Annual) = (14.00 lb/hr)(5,000 hr/yr)/(2,000 lb/ton) = 35.0 ton/yr			
9. Pollutant Potential/Estimated Fugitive Emissions Comment: Each boiler limited to 5,000 hours per year firing natural gas or propane.			

1. Pollutant Emitted: PM		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 1.4 lb/hour                      3.5 tons/year		4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 0.004 lb/mmBtu Reference: Manufacturer's Guarantee		7. Emissions Method Code: 2	
8. Calculation of Emissions: PM (Hourly) = (0.004 lb/mmBtu)(350 mmBtu/hr) = 1.4 lb/hr PM (Annual) = (1.4 lb/hr)(5,000 hr/yr)/(2,000 lb/ton) = 3.5 ton/yr			
9. Pollutant Potential/Estimated Fugitive Emissions Comment: Each boiler limited to 5,000 hours per year firing natural gas or propane.			



**EMISSIONS UNIT INFORMATION**

Section [ 1 ] of [ 1 ]

**POLLUTANT DETAIL INFORMATION**

Page [ 3 ] of [ 6 ]

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –  
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS (CONTINUED)**

1. Pollutant Emitted: PM10	2. Total Percent Efficiency of Control:
3. Potential Emissions: 1.4 lb/hour                      3.5 tons/year	4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 0.004 lb/mmBtu Reference: Manufacturer's Guarantee	7. Emissions Method Code: 2
8. Calculation of Emissions: PM10 (Hourly) = (0.004 lb/mmBtu)(350 mmBtu/hr) = 1.4 lb/hr PM10 (Annual) = (1.4 lb/hr)(5,000 hr/yr)/(2,000 lb/ton) = 3.5 ton/yr	
9. Pollutant Potential/Estimated Fugitive Emissions Comment: Each boiler limited to 5,000 hours per year firing natural gas or propane.	

1. Pollutant Emitted: SO2	2. Total Percent Efficiency of Control:
3. Potential Emissions: 0.21 lb/hour                      0.53 tons/year	4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 0.0006 lb/mmBtu Reference: AP-42 Emission Factor	7. Emissions Method Code: 3
8. Calculation of Emissions: SO2 (Hourly) = (0.0006 lb/mmBtu)(350 mmBtu/hr) = 0.21 lb/hr SO2 (Annual) = (0.53 lb/hr)(5,000 hr/yr)/(2,000 lb/ton) = 0.53 ton/yr	
9. Pollutant Potential/Estimated Fugitive Emissions Comment: Each boiler limited to 5,000 hours per year firing natural gas or propane.	

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –  
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS (CONTINUED)**

1. Pollutant Emitted: VOC		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 0.70 lb/hour                      1.8 tons/year		4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 0.002 lb/mmBtu  Reference: Manufacturer's Guarantee		7. Emissions Method Code: 2	
8. Calculation of Emissions: VOC (Hourly) = (0.040 lb/mmBtu)(350 mmBtu/hr) = 0.70 lb/hr VOC (Annual) = (0.70 lb/hr)(5,000 hr/yr)/(2,000 lb/ton) = 1.8 ton/yr			
9. Pollutant Potential/Estimated Fugitive Emissions Comment: Each boiler limited to 5,000 hours per year firing natural gas or propane.			

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

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

**Allowable Emissions** Allowable Emissions  1  of  6

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 0.04 lb/mmBtu	4. Equivalent Allowable Emissions: 14.0 lb/hour      35.0 tons/year
5. Method of Compliance: Initial performance test (40 CFR 60.46b). Continuous emission monitoring system (40 CFR 60.48b).	
6. Allowable Emissions Comment (Description of Operating Method): Emissions based on manufacturer's guarantee firing either natural gas or propane.	

**Allowable Emissions** Allowable Emissions  2  of  6

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 0.04 lb/mmBtu	4. Equivalent Allowable Emissions: 14.0 lb/hour      35.0 tons/year
5. Method of Compliance: Initial compliance test only.	
6. Allowable Emissions Comment (Description of Operating Method): Initial performance test (40 CFR 63.7520). Continuous emission monitoring system (40 CFR 63.7525).	

**Allowable Emissions** Allowable Emissions  3  of  6

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 0.004 lb/mmBtu	4. Equivalent Allowable Emissions: 1.4 lb/hour      3.5 tons/year
5. Method of Compliance: Natural gas or propane firing only.	
6. Allowable Emissions Comment (Description of Operating Method): Emissions based on manufacturer's guarantee firing either natural gas or propane.	

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS (CONTINUED)**

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

**Allowable Emissions** Allowable Emissions  4  of  6

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 0.004 lb/mmBtu	4. Equivalent Allowable Emissions: 1.4 lb/hour                      3.5 tons/year
5. Method of Compliance: Natural gas or propane firing only.	
6. Allowable Emissions Comment (Description of Operating Method): Emissions based on manufacturer's guarantee firing either natural gas or propane.	

**Allowable Emissions** Allowable Emissions  5  of  6

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 0.0006 lb/mmBtu	4. Equivalent Allowable Emissions: 0.21 lb/hour                      0.53 tons/year
5. Method of Compliance: Natural gas or propane firing only.	
6. Allowable Emissions Comment (Description of Operating Method): Emissions based on AP-42 emission factor firing natural gas.	

**Allowable Emissions** Allowable Emissions  6  of  6

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 0.002 lb/mmBtu	4. Equivalent Allowable Emissions: 0.70 lb/hour                      1.8 tons/year
5. Method of Compliance: Natural gas or propane firing only.	
6. Allowable Emissions Comment (Description of Operating Method): Emissions based on manufacturer's guarantee firing either natural gas or propane.	

**EMISSIONS UNIT INFORMATION**

Section [ 1] of [ 1]

**G. VISIBLE EMISSIONS INFORMATION**

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

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

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 20 %      Exceptional Conditions: 27 % Maximum Period of Excess Opacity Allowed: 6 min/hour	
4. Method of Compliance: Natural gas or propane firing only.	
5. Visible Emissions Comment:	

**EMISSIONS UNIT INFORMATION**

Section [ 1 ] of [ 1 ]

**H. CONTINUOUS MONITOR INFORMATION**

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

**Continuous Monitoring System:** Continuous Monitor  1  of  6

1. Parameter Code: CO2	2. Pollutant(s):
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: California Analytica Model Number: ZRH-1	Serial Number: N5B-3530 T
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment: Diluent monitor on each boiler as required under 40 CFR 60 Subpart Db.	

**Continuous Monitoring System:** Continuous Monitor  2  of  6

1. Parameter Code: CO2	2. Pollutant(s):
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: California Analytica Model Number: ZRH-1	Serial Number: N5B-3533 T
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment: Diluent monitor on each boiler as required under 40 CFR 60 Subpart Db.	

**EMISSIONS UNIT INFORMATION**

Section [ 1 ] of [ 1 ]

**H. CONTINUOUS MONITOR INFORMATION (CONTINUED)**

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

**Continuous Monitoring System:** Continuous Monitor 3 of 6

1. Parameter Code: NOX	2. Pollutant(s):
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Thermo Electron Model Number: 42D Serial Number: 53563	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment: NO <sub>x</sub> monitor on each boiler as required under 40 CFR 60 Subpart Db.	

**Continuous Monitoring System:** Continuous Monitor 4 of 6

1. Parameter Code: NOX	2. Pollutant(s):
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Thermo Electron Model Number: 42C Serial Number: 59970-325	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment: NO <sub>x</sub> monitor on each boiler as required under 40 CFR 60 Subpart Db.	

**EMISSIONS UNIT INFORMATION**

Section [ 1 ] of [ 1 ]

**H. CONTINUOUS MONITOR INFORMATION (CONTINUED)**

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

**Continuous Monitoring System:** Continuous Monitor 5 of 6

1. Parameter Code: CO	2. Pollutant(s):
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: To be determined Model Number: TBD Serial Number: TBD	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment: CO monitor on each boiler as required under 40 CFR 63 Subpart DDDDD.	

**Continuous Monitoring System:** Continuous Monitor 6 of 6

1. Parameter Code: CO	2. Pollutant(s):
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: To be determined Model Number: TBD Serial Number: TBD	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment: CO monitor on each boiler as required under 40 CFR 63 Subpart DDDDD.	



**EMISSIONS UNIT INFORMATION**

Section [ 1 ] of [ 1 ]

**I. EMISSIONS UNIT ADDITIONAL INFORMATION**

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

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

**EMISSIONS UNIT INFORMATION**

Section [ 1 ] of [ 1 ]

**Additional Requirements for Air Construction Permit Applications**

1. Control Technology Review and Analysis (Rules 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(5)(h)6., F.A.C., and Rule 62-212.500(4)(f), F.A.C.) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

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

1. Identification of Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____
2. Compliance Assurance Monitoring <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
3. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
5. Acid Rain Part Application <input type="checkbox"/> Certificate of Representation (EPA Form No. 7610-1) <input type="checkbox"/> Copy Attached, Document ID: _____ <input type="checkbox"/> Acid Rain Part (Form No. 62-210.900(1)(a)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Not Applicable

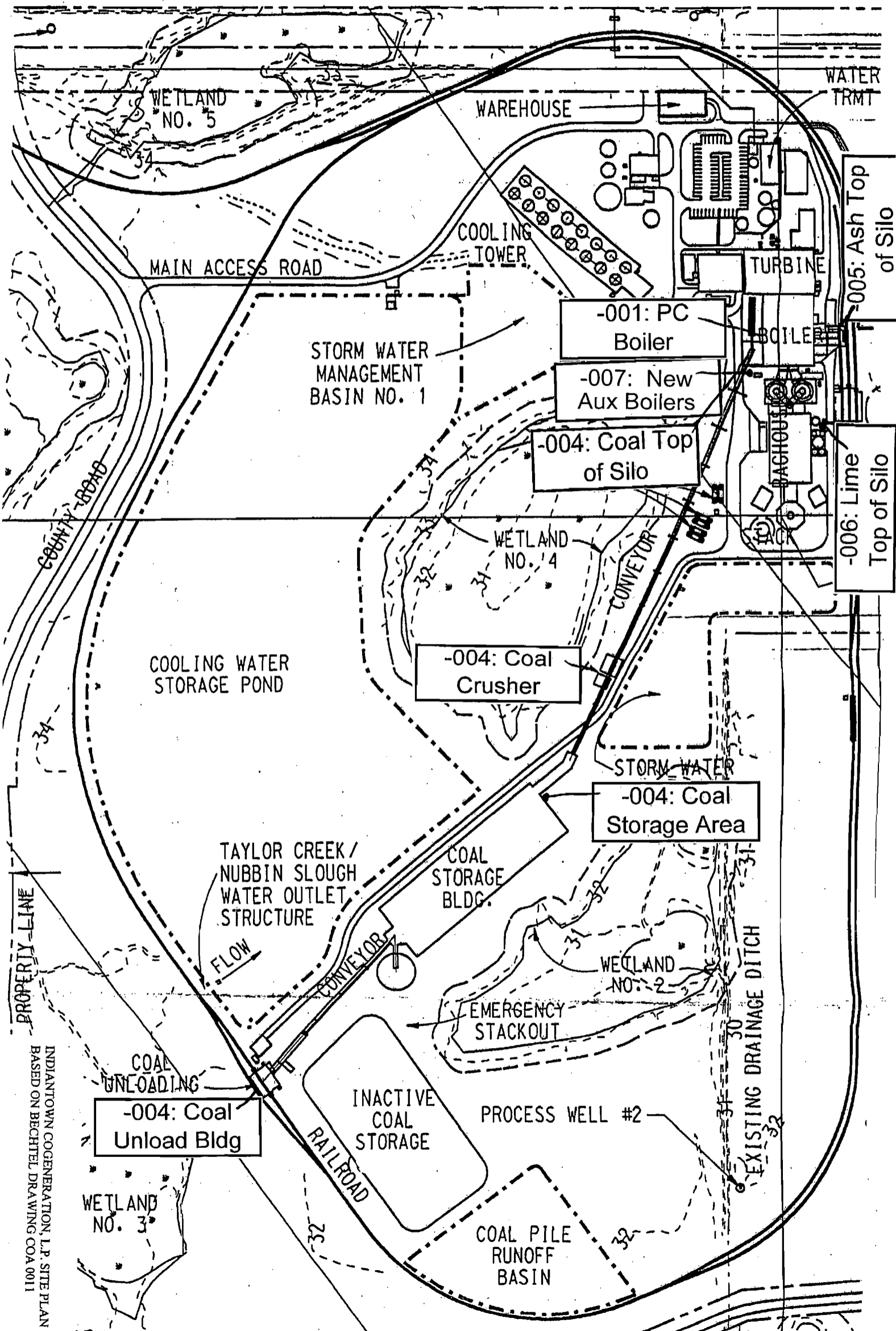
**EMISSIONS UNIT INFORMATION**

**Section [ 1] of [ 1]**

**Additional Requirements Comment**

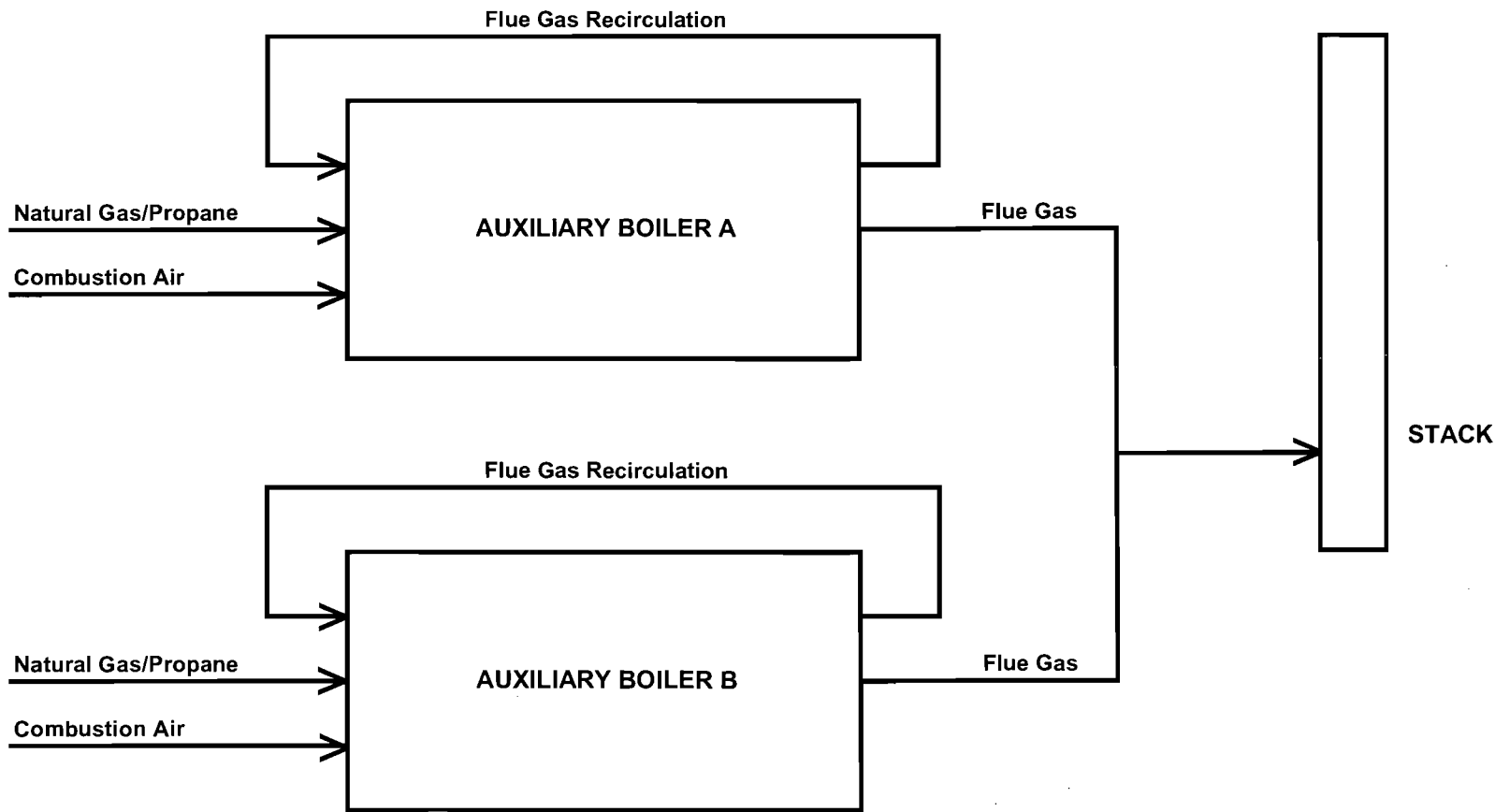
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**Attachment I**  
**Facility Plot Plan**



INDIANTOWN COGENERATION L.P. SITE PLAN  
BASED ON BECHTEL DRAWING COA 0011

**Attachment II**  
**Process Flow Diagram**



**Attachment III**

**Project Description**



## **Attachment III**

### **Project Description**

#### **Description of the Proposed Construction or Modification**

Indiantown Cogeneration LP proposes to install two new auxiliary boilers (EU ID 007) to replace the two existing auxiliary boilers (EU ID 003) at the Indiantown Cogeneration Plant. The auxiliary boilers will be fired with either natural gas or propane and will have a combined maximum continuous rating of 350 MMBtu/hr when firing natural gas and 341 MMBtu/hr when firing propane. The boilers will be operated for no more than 5,000 hours per year.

#### **Detailed Description of Control Equipment**

The new auxiliary boilers will utilize no post-combustion air pollution control technology. Nitrogen oxide (NO<sub>x</sub>) emissions will be controlled by low-NO<sub>x</sub> burners and flue gas recirculation. Particulate matter (PM/PM<sub>10</sub>), sulfur dioxide (SO<sub>2</sub>), carbon monoxide (CO), and volatile organic compound (VOC) emissions will be controlled by furnace design clean burning fuels.

#### **Precautions to Prevent Emissions of Unconfined Particulate Matter**

The installation and operation of the two new auxiliary boilers will involve no activities or equipment that will result in the emissions of unconfined particulate matter.

#### **List of Applicable Regulations**

##### **Federal Regulations**

40 CFR 60.1	NSPS Applicability
40 CFR 60.7(a)	Notification and Recordkeeping
40 CFR 60.7(b)	Recordkeeping for Startup, Shutdown and Malfunction
40 CFR 60.7(f)	Recordkeeping Maintenance
40 CFR 60.7(g)	Notification to other Agencies
40 CFR 60.7(h)	Applicability
40 CFR 60.8	Performance Tests
40 CFR 60.9	Availability of Information
40 CFR 60.11	Compliance with Standards and Maintenance Requirements
40 CFR 60.40b	Applicability >100 MMBtu/hr
40 CFR 60.41b	Definitions
40 CFR 60.43b	Standard for Sulfur Dioxide
40 CFR 60.43b	Standard for Particulate Matter
40 CFR 60.44b	Standard for Nitrogen Oxides
40 CFR 60.45b	Performance Testing for Sulfur Dioxide
40 CFR 60.46b	Performance Testing for Particulate Matter and Nitrogen Oxides
40 CFR 60.47b	Emission Monitoring for Sulfur Dioxide
40 CFR 60.48b	Emission Monitoring for Particulate Matter and Nitrogen Oxides
40 CFR 60.49b	Reporting and Recordkeeping
40 CFR 63.7485	NESHAP Applicability >10 MMBtu/hr
40 CFR 63.7500	Standard for Carbon Monoxide

40 CFR 63.7520	Performance Testing for Carbon Monoxide
40 CFR 63.7525	Emission Monitoring for Carbon Monoxide
40 CFR 63.7545	Notification Requirements
40 CFR 63.7550	Reporting Requirements
40 CFR 63.7555	Recordkeeping Requirements

**State Regulations**

F.A.C. 62-212.300	General Preconstruction Review
F.A.C. 62-296.406	Fossil Fuel Steam Generators with Less than 250 MMBtu/hr Heat Input
F.A.C. 62-296.406(1)	Visible Emissions
F.A.C. 62-296.570 (4)(a)	Reasonable Available Control Technology – Requirements for Major VOC & NO <sub>x</sub> emitting facilities
F.A.C. 62-296.702	Fossil Fuel Steam Generators
F.A.C. 62-204.800	Standards of Performance for New Stationary Sources
Rule F.A.C. 62-297.401	Compliance Test Methods (Emission Unit-Specific)
Rule F.A.C. 62-297.520	EPA Performance Specifications
Rule F.A.C. 62-297.620	Exceptions and Approval of Alternate Procedures and
F.A.C. 62-212.300	General Preconstruction Review
F.A.C. 62-212.400	Prevention of Significant Deterioration
F.A.C. 62-296.711	Material Handling, Sizing, Screening, Crushing and Grinding Operations
F.A.C. 62-297.401	Compliance Test Methods (Emission Unit-Specific)



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Colleen M. Castille  
Secretary

December 27, 2006

## Electronic Mail – Received Receipt Requested

Mr. Gary Willer, General Manager  
Indiantown Cogeneration, L.P.  
Post Office Box 1799  
13303 SW Silver Fox Lane  
Indiantown, Florida 34956

Re: Extension Request/DEP File No. 0850102-008-AC  
Two Natural Gas/Propane-fired Auxiliary Boilers

Dear Mr. Willer:

The Department has reviewed your letter (attached) received on December 12, 2006, requesting an extension of the expiration date of the above referenced permit from January 1, 2007 to June 30, 2007. After reviewing the submitted information, the expiration date of the referenced permit is hereby extended through **June 30, 2007** for the purposes of completing the installation and startup of the two natural gas/propane fired auxiliary boilers.

As recognized in your request, the new units shall comply with the requirements 40 CFR 60 Subpart Db, 40 CFR 63 Subpart DDDDD and all conditions as set forth in Air Construction Permit No. 0850102-008-AC.

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permitting decision is issued pursuant to Chapter 403, Florida Statutes.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen 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 will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department'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 interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition 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

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*Printed on recycled paper.*

require reversal or modification of the agency's proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

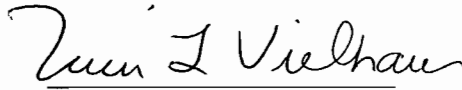
A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above. Mediation is not available in this proceeding.

This permitting decision is final and effective on the date filed with the clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition pursuant to Rule 62-110.106, F.A.C., and the petition conforms to the content requirements of Rules 28-106.201 and 28-106.301, F.A.C. Upon timely filing of a petition or a request for extension of time, this order will not be effective until further order of the Department.

Any party to this permitting decision (order) has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief  
Bureau of Air Regulation

#### CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Permit Extension Letter and all copies were sent electronically (with Received Receipt) before the close of business on 12/26/06 to the person(s) listed below.

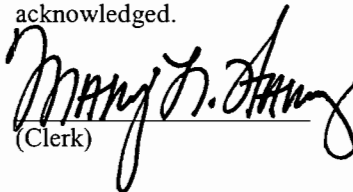
Gary Willer, ICLP: [Gary.Willer@negt.com](mailto:Gary.Willer@negt.com)

Nick Laryea, ICLP: [Nicholas.Laryea@negt.com](mailto:Nicholas.Laryea@negt.com)

Darrel Graziani, SED: [Darrel.Graziani@dep.state.fl.us](mailto:Darrel.Graziani@dep.state.fl.us)

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



(Clerk)

12/26/06  
(Date)

**Indiantown Cogeneration, L.P.**

December 11, 2006

Al Linero  
Florida Department of Environmental Protection  
Division of Air Resource Management  
2600 Blair Stone Road, M.S. 5500  
Tallahassee, Florida 32399-2400  
850-488-0114

Indiantown Cogeneration, L.P.  
P.O. Box 1799  
13303 SW Silver Fox Lane  
Indiantown, FL 34956

772.597.6500  
Fax: 772.597.6210

**RECEIVED**

DEC 12 2006

BUREAU OF AIR REGULATION

**Re: Request for Extension of Construction Permit  
Indiantown Cogeneration L.P. Permit No. 0850102-008-AC**

Indiantown Cogeneration, LP (ICLP) is requesting an extension of the construction permit for installation of two natural gas (or propane) fired auxiliary boilers.

ICLP promptly ordered the boilers on receipt of the permit and began the installation process. Technical problems with the boilers have prevented us from completing installation. The first boiler cannot as yet achieve full-load operation; the second boiler has not been installed yet.

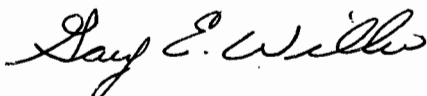
We are notifying you in writing per 62-4-080 (3), which states "A permittee may request that a permit be extended as a modification of the permit. Such a request must be submitted to the Department in writing before the expiration of the permit. Upon timely submittal of a request for extension, unless the permit automatically expires by statute or rule, the permit will remain in effect until final agency action is taken on the request. For construction permits, an extension shall be granted if the applicant can demonstrate reasonable assurances that, upon completion, the extended permit will comply with the standards and conditions required by applicable regulation."

We are making this request in writing before the expiration of the permit (January 1, 2007). This permit does not automatically expire by statute or rule. We request an additional 180 days (until June 30, 2007) to complete installation.

We can provide reasonable assurances that, upon completion, the extended permit will comply with the standards and conditions required by the applicable regulation. Specifically, we have purchased package boilers designed to meet the following: 40 CFR 60 Subpart Db; 40 CFR 63 Subpart DDDDD; and each of the permit conditions set forth in air pollution construction permit 0850102-008-AC. We will continue to work with the package boiler vendor to complete installation and startup of boilers that achieve full-load operation and meet these requirements.

Thank you for your attention to this request. Please contact Nick Laryea at 772-597-6500 extension 19 with any questions or comments.

Sincerely,



Gary Willer  
General Manager

cc: Nick Laryea, ICLP  
Lauren Bellheimer-Cogentrix  
AJ Jablonoski-Earth Tech  
Darrel Graziani- DEP SouthEast District

**Adams, Patty**

---

**From:** Harvey, Mary  
**Sent:** Wednesday, December 27, 2006 3:32 PM  
**To:** Linero, Alvaro; Cascio, Tom; Adams, Patty  
**Subject:** FW: Extension Request #0850102-008-AC -Indiantown Cogeneration, L.P.

---

**From:** Willer, Gary [mailto:GaryWiller@cogentrix.com]  
**Sent:** Wednesday, December 27, 2006 1:23 PM  
**To:** Harvey, Mary  
**Subject:** RE: Extension Request #0850102-008-AC -Indiantown Cogeneration, L.P.

I have received your transmittal. Thank you and the Department for the extension.

Gary E. Willer  
General Manager  
Indiantown Cogeneration L.P.  
(772) 597-6500 Ext.25  
Fax (772) 597-6210  
garywiller@cogentrix.com

-----Original Message-----

**From:** Harvey, Mary [mailto:Mary.Harvey@dep.state.fl.us]  
**Sent:** Wednesday, December 27, 2006 1:18 PM  
**To:** Willer, Gary; Laryea, Nicholas  
**Cc:** Adams, Patty; Linero, Alvaro; Cascio, Tom  
**Subject:** FW: Extension Request #0850102-008-AC -Indiantown Cogeneration, L.P.

---

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <http://www.adobe.com/products/acrobat/readstep.html>.

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

DEP, Bureau of Air Regulation

8/28/2007

**Adams, Patty**

---

**From:** Harvey, Mary  
**Sent:** Wednesday, December 27, 2006 1:18 PM  
**To:** 'GaryWiller@cogentrix.com'; 'NicholasLaryea@cogentrix.com'  
**Cc:** Adams, Patty; Linero, Alvaro; Cascio, Tom  
**Subject:** FW: Extension Request #0850102-008-AC -Indiantown Cogeneration, L.P.  
**Attachments:** Extension Request-DEP File #0850102-008-AC.pdf

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Thank you,

DEP, Bureau of Air Regulation

8/28/2007

## Adams, Patty

---

**From:** Harvey, Mary  
**Sent:** Tuesday, December 26, 2006 4:10 PM  
**To:** Adams, Patty; Linero, Alvaro  
**Subject:** FW: Extension Request #0850102-008-AC -Indiantown Cogeneration, L.P.

---

**From:** Graziani, Darrel  
**Sent:** Tuesday, December 26, 2006 4:05 PM  
**To:** Harvey, Mary  
**Subject:** Read: Extension Request #0850102-008-AC -Indiantown Cogeneration, L.P.

Your message

**To:** 'Gary.Willer@negt.com'; 'Nicholas.Laryea@negt.com'; Graziani, Darrel  
**Cc:** Linero, Alvaro; Adams, Patty; Gibson, Victoria  
**Subject:** Extension Request #0850102-008-AC -Indiantown Cogeneration, L.P.  
**Sent:** 12/26/2006 3:59 PM

was read on 12/26/2006 4:05 PM.