

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

April 16, 2007

RECEIVED

APR 17 2007

BUREAU OF AIR REGULATION

Al Linero
Florida Department of Environmental Protection
Bureau of Air Regulation
2600 Blair Stone Road, M.S. 5500
Tallahassee, Florida 32399-2400

Re: Title V Application Revision Submission
Indiantown Cogeneration L.P. Permit No. 0850102-008-AC

Dear Mr. Linero:

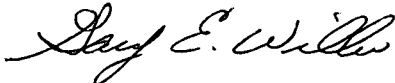
Indiantown Cogeneration, LP (ICLP) is submitting the Title V revision application for the two auxiliary boilers. Per your conversations with Nick Laryea of ICLP, the stack test results will be forwarded once available.

The application and its attachments are enclosed. The application was prepared using the EPSAP online program; and the Professional Engineer (Bill Cannon of Earth Tech) is providing his certification electronically. The ICLP Responsible Official (Gary Willer) has not received his PIN for electronic submission, and therefore we have attached a paper certification for the Responsible Official.

The attached Compliance Report and Plan explains the technical problems with the boilers which delayed the commissioning process. It requests an extension of the performance test deadline per the following requirements: air construction permit 0850102-008-AC Specific Condition #21; 40CFR§60.8(a); and 40 CFR§63.7510(d).

Thank you, and please contact Nick Laryea at 772-597-6500 extension 19 with any questions or comments.

Sincerely,




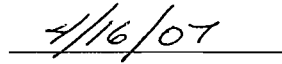
Gary Willer
General Manager

cc: Nick Laryea, ICLP
Lauren Billheimer
AJ Jablonowski
File

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 checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source. |
| 3. Application Responsible Official Mailing Address... Organization/Firm: Indiantown Cogeneration, L.P. 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: GaryWiller@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 |

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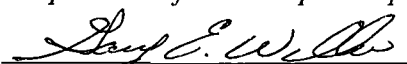
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| 3. Application Responsible Official Mailing Address... Organization/Firm: Indiantown Cogeneration, L.P. Street Address: P.O. Box 1799 City: Indiantown State: FL Zip Code: 34956 |
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| 5. Application Responsible Official Email Address: GaryWiller@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: <u></u> Date: <u>4/17/07</u> |

Professional Engineer Certification

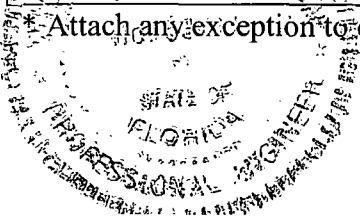
| |
|---|
| 1. Professional Engineer Name: WILLIAM A. CANNON Registration Number: 53639 |
| 2. Professional Engineer Mailing Address... Organization/Firm: Earth Tech Street Address: 10 Patewood Drive, Suite 500, Building IV City: Greenville State: SC Zip Code: 29615 |
| 3. Professional Engineer Telephone Numbers... Telephone: (864) 234-3581 ext. Fax: (864) 234 - 3069 |
| 4. Professional Engineer Email Address: bill.cannon@earthtech.com |
| 5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input checked="" type="checkbox"/>), if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i> |


Signature

4/16/2007
Date

Earth Tech Certificate of Authorization No. 00008115

Attach any exception to certification statement.



**Title V Revision Application
for the
Indiantown Generating Plant
FDEP Facility ID 0850102**

Prepared for:

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

Facility Location:

13303 SW Silver Fox Lane
Indiantown Florida 34956

Prepared By:

Earth Tech
300 Baker Avenue, Suite 290
Concord, Massachusetts 01742

April 2007

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1. INTRODUCTION AND SUMMARY

This Title V revision application is being submitted in accordance with the permit for the two new auxiliary boilers (Permit 0850102-008-AC). This application updates the Title V renewal application to include the facility changes and administrative updates. Some minor changes to permit conditions are proposed.

1.1 Project Overview

Indiantown Cogeneration, L.P. (ICLP) operates the Indiantown Generating Plant (the Plant). The Plant consists of the following significant equipment:

- One high-pressure pulverized coal boiler (PC boiler) firing pulverized coal. The PC boiler fires natural gas or propane (and is permitted to fire No. 2 fuel oil) for startup, shutdown, and load changes;
- Two existing auxiliary boilers (Aux boilers) 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. These auxiliary boilers were capable of firing natural gas or propane, and were permitted to fire No. 2 fuel oil. These existing auxiliary boilers have been removed and are not in operation at the facility.
- Two new auxiliary boilers (Aux boilers) 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. These auxiliary boilers are capable of firing natural gas or propane.
- Material handling equipment for solid fuel (coal), ash, and lime.

1.2 Application Organization

Section 2 summarizes the physical and operational changes that have taken place since the issuance of the Title V permit (10/11/1999, Permit No. 0850102-001-AV), and the issuance of the renewal of the Title V permit in 2004 (Permit No. 0850102-007-AV) as well as corrections to permit inaccuracies and incorporation of the new auxiliary boilers (Permit No. 0850102-008-AC). Section 3 addresses Compliance Plan requirements. Section 4 summarizes requested changes to the Title V permit.

Florida Title V application forms are submitted electronically through the EPSAP program. That submission includes the following attachments:

| Facility Additional Item | File Description |
|--|--|
| FACILITY PLOT PLAN | FACPLANREV1.PDF |
| PROCESS FLOW DIAGRAMS | PROCESS FLOW REV1.PPT |
| PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PM PARTICULATE MATTER | PRECAUTIONS.DOC (Previously Submitted) |
| LIST OF INSIGNIFICANT ACTIVITIES | INSIGNIFICANT ACTIVITIES.DOC (Previously Submitted) |
| IDENTIFICATION OF APPLICABLE REQUIREMENTS | INDIANTOWN APPLICABLE REGS.DOC APPLIES TO ALL EMISSION UNITS (Previously Submitted). INDIANTOWN APPLICABLE REGS REV1.DOC APPLIES TO 2 NEW AUXILARY BOILERS -EU007). |
| VERIFICATION OF RISK MANAGEMENT PLAN SUBMISSION TO EPA | RMP PDF SUBMITTED 1999 NOTE THAT PARENT COMPANY NAME HAS SINCE CHANGED TO NATIONAL ENERGY AND GAS TRANSMISSION (NEGTE) |
| REQUESTED CHANGES TO CURRENT TITLE V AIR OPERATION PERMIT | REQUESTED CHANGESREV1.DOC |
| OTHER FACILITY INFORMATION | INDIANTOWN TITLE V REV1.DOC [this document] |
| OTHER FACILITY INFORMATION | INDIANTOWN TITLE V COMPLIANCE PLAN.DOC APPLIES TO THE 2 NEW AUXILARY BOILERS (EU007) |

BEST AVAILABLE COPY

| EU Additional Item | Document Description |
|---|---|
| PROCESS FLOW DIAGRAM | PROCESS FLOWREV1.PPT APPLICABLE TO ALL EUS |
| FUEL ANALYSIS OR SPECIFICATION | INDIANTOWN FUEL SPEC REV1.DOC APPLIES TO PC BOILER -001 AND AUX BOILERS -007 |
| DETAILED DESCRIPTION OF CONTROL EQUIPMENT | INDIANTOWN CONTROL EQUIPMENT REV1.DOC DESCRIPTION APPLIES TO ALL CONTROL EQUIPMENT PREVIOUSLY SUBMITTED AND TO CONTROL EQUIPMENT FOR EU007. |
| PROCEDURES FOR STARTUP AND SHUTDOWN | APPLIES TO PC BOILER EU-001 (Previously Submitted) |
| IDENTIFICATION OF APPLICABLE REQUIREMENTS | INDIANTOWN APPLICABLE REGS REV1.DOC APPLIES TO ALL EMISSION UNITS |
| COMPLIANCE ASSURANCE MONITORING PLAN | APPLIES TO PC BOILER EU-001 (Previously Submitted and Approved) |

Because Indiantown does not have “equipment/activities regulated under Title VI”, does not have “emissions unit that is not in compliance with all applicable requirements at the time of application,” and has no requirement to submit an “operation and maintenance plan,” these attachments are not provided.

2. SUMMARY OF CHANGES

This section provides a summary of Plant changes, and proposed changes to the Title V permit to better reflect Plant operations.

2.1 Permitting of Two New Auxiliary Boilers (EU007)

Permit No. 0850102-008-AC allows for the construction of two new auxiliary boilers (EU007) to replace the two existing auxiliary boilers (EU003). The existing boilers are being removed from the facility with the installation of the two new auxiliary boilers. The two new boilers are identically sized packaged water tube steam boilers and have a combined rated maximum capacity of 350 MMBtu/hr when firing natural gas and 341 MMBtu/hr when firing propane. The units are permitted to fire natural gas and propane. The new boilers are Victory Energy Model 23M packaged boilers. The new boilers will utilize no post-combustion air pollution control technology. Nitrogen oxide (NO_x) emissions will be controlled by low-NO_x burners and flue gas recirculation. Particulate matter, sulfur dioxide, carbon monoxide, and volatile organic compound emissions will be controlled by furnace design clean burning fuels.

The two new boilers will be used for supplying steam to the steam host during times when the PC boiler is offline, as well as during PC boiler start-up and shutdown periods.

The new auxiliary boilers are each subject to regulation under the New Source Performance Standards for Industrial Boilers, 40 CFR 60 Subpart Db; and the National Emissions Standard for Hazardous Air Pollutants, 40 CFR 63, Subpart DDDDD. Permit No. 0850102-008-AC specifies applicable requirements under 40 CFR 60 and 40 CFR 63. The permit also specifies performance restrictions including allowable fuels, and hours of operation.

New Auxiliary Boiler No. 1 first fire was October 24, 2006. Compliance emission testing for this boiler is being scheduled.

This application requests the incorporation of permit conditions from Permit No. 0850102-008-AC for the two new auxiliary boilers into the Title V (Requested Changes Rev1.doc).

2.2 Equipment Modification – Auxiliary Boilers (EU003)

The two existing auxiliary boilers (EU003) are being removed from the facility with the installation of the two new auxiliary boilers. This application requests the deletion of permit conditions related to EU003 that would not be applicable to the facility based on the removal of the units (Requested Changes Rev1.doc).

3. COMPLIANCE PLAN

This Title V application also includes a compliance plan for the two new auxiliary boilers. (Indiantown Tile V Compliance Plan.doc).

INDIANTOWN COGENERATION, LP
COMPLIANCE REPORT AND PLAN
Facility ID 0850102

Per the Title V revision online instructions: “A compliance plan must be submitted for each emissions unit that is not in compliance with all applicable requirements at the time of application and/or at any time during application processing. The department must be notified of any changes in compliance status during application processing.”

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. These problems included physical damage to the boiler as-delivered. An example photo of the damage is below:



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 Compliance Report and Plan requests an extension of all of these related requirements, for Auxiliary Boiler 1. The deadline for testing is April 22, 2007.

We are working diligently to get testing scheduled and performed. Performance testing 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.

We will notify the department of changes in compliance status during processing of this Title V revision application.

4. REQUESTED CHANGES

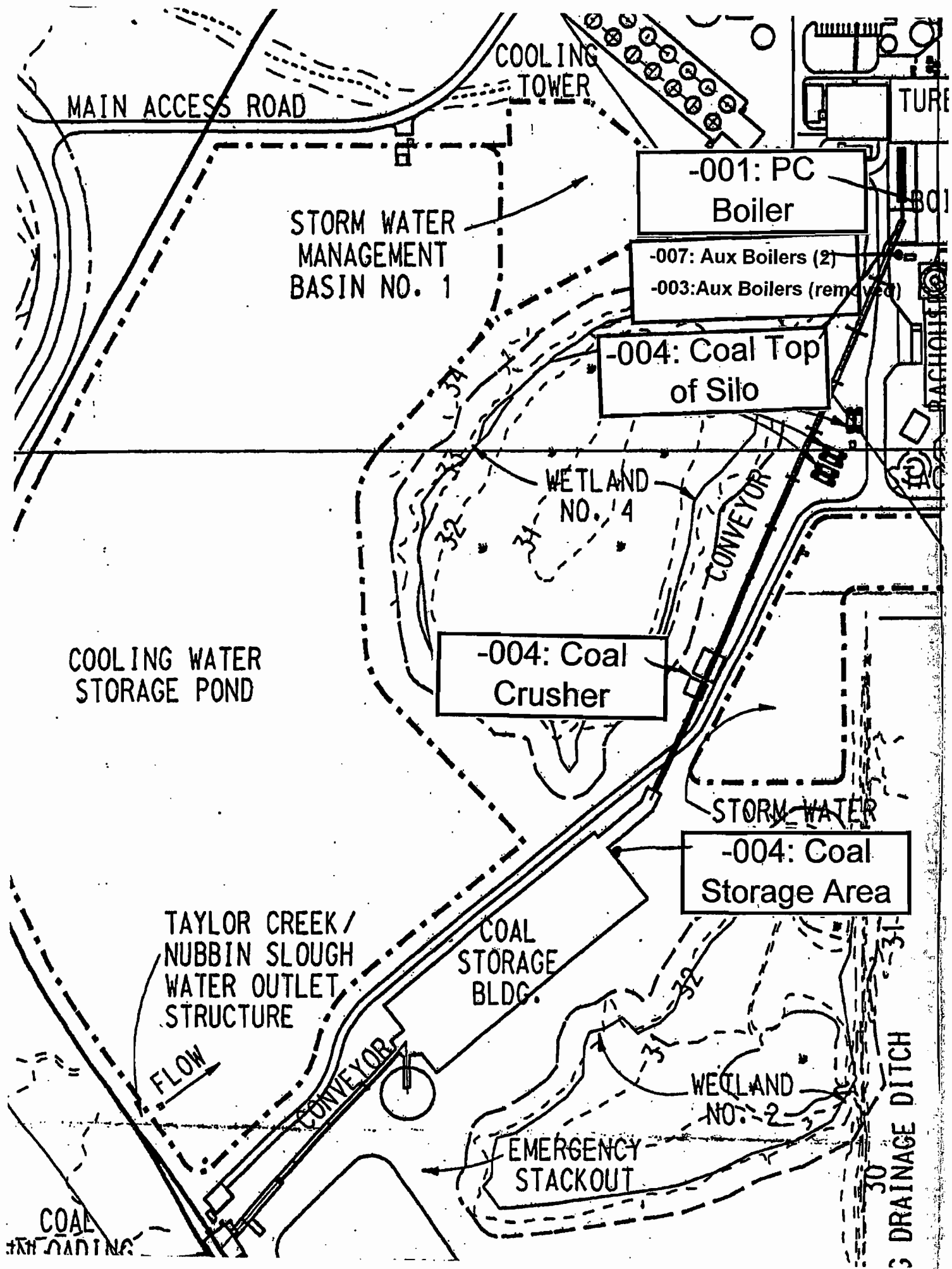
4.1 Application Changes

We have accessed the application forms through the FDEP EPSAP program, and made the appropriate changes in the program.

4.2 Permit Changes

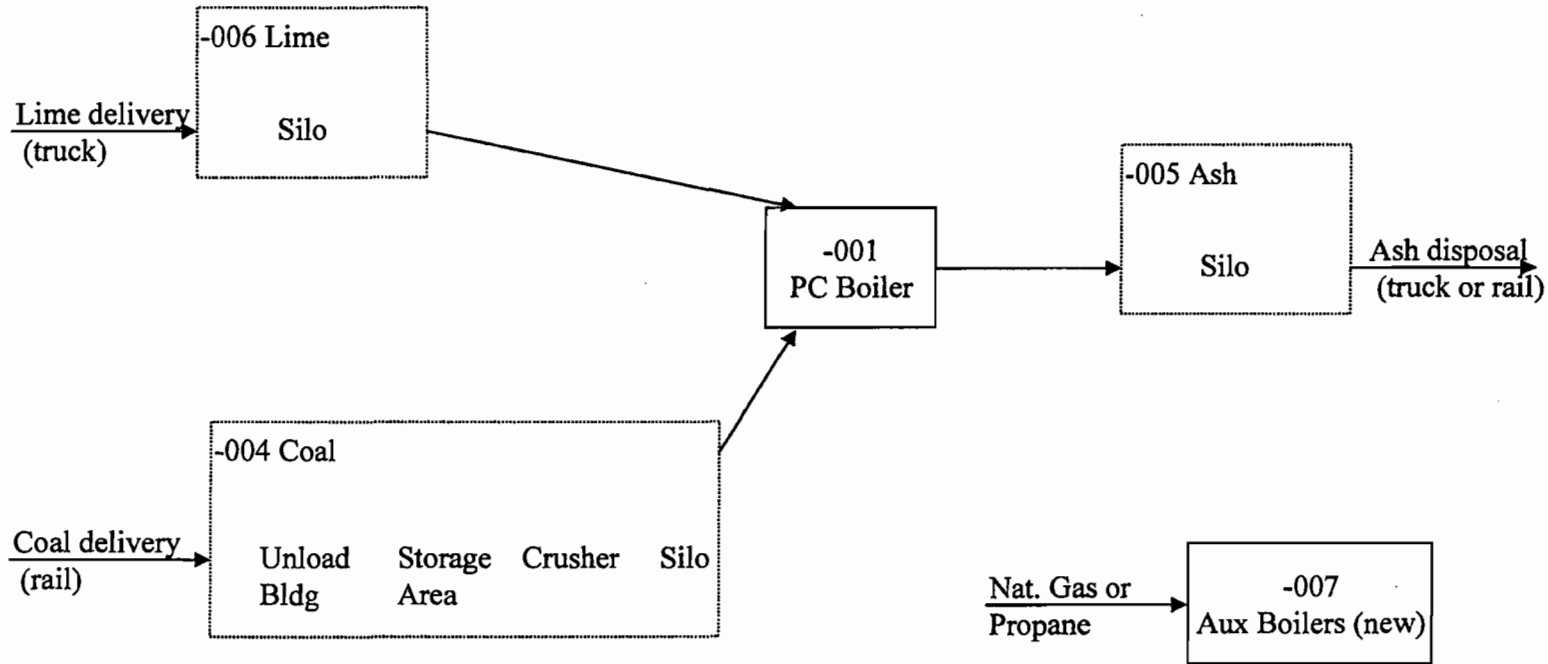
The attachment *Requested Changes Rev1.doc* specific requested changes to the Title V permit.

Finally, Indiantown notes that several Title V permit conditions citations need to be modified to reflect regulatory citations that have been changed or amended.



INDIANTOWN GENERATING PLANT PROCESS FLOW DIAGRAM

OVERALL PROCESS FLOW



| E.U. ID No. | Brief Description |
|-------------|---------------------------------|
| -001 | Pulverized Coal Main Boiler |
| -003 | Auxiliary Boilers (2) (removed) |
| -004 | Coal Handling System |
| -005 | Ash Handling System |
| -006 | Lime Handling System |
| -007 | Auxiliary Boilers (2) (new) |

Indiantown Cogeneration, L.P.
Indiantown Generating Plant

Facility ID No.: 0850102

Applicable Requirements

Facility-wide:

Reference Title V Core List, 3/1/02
Permit PSD-FL-168

EU ID No -001, (PC Boiler)

Reference Title V Core List, 3/1/02
Permit PSD-FL-168
40CFR60 Subparts A, Da (NSPS)
40CFR64 (CAM)

EU ID No -003 (Aux Boilers)- Removed

Reference Title V Core List, 3/1/02
Permit PSD-FL-168
40CFR60 Subparts A, Db (NSPS)

EU ID No -004 (Coal Handling)

Reference Title V Core List, 3/1/02
Permit PSD-FL-168
40CFR60 Subparts A, Y (NSPS)

EU ID No -005 (Ash Handling)

Reference Title V Core List, 3/1/02
Permit PSD-FL-168

EU ID No -006 (Lime Handling)

Reference Title V Core List, 3/1/02
Permit PSD-FL-168

EU ID No -007 (Aux Boilers)- New

Permit 0850102-008-AC
40CFR60 Subparts A, Db (NSPS)
40 CFR63 Subpart DDDDD

Description of Control Equipment

PC Boiler -001

Particulate matter emissions from the PC boiler are controlled a fabric filter baghouse. NO_x emissions are controlled by selective catalytic reduction (SCR). SO₂ emissions are controlled by a spray dryer absorber (SDA) limestone injection.

Aux Boilers -003 (Removed)

The aux boilers do not use post-combustion control equipment. Low-NO_x burners, system design, and clean-burning fuels limit the formation of pollutants.

Coal Handling -004

Particulate matter emissions are controlled using fabric filter systems, baghouse systems, water sprays, wetting agents, and full enclosures or partial enclosures, where appropriate. _____

Lime and Ash Handling -005, -006

Particulate matter and visible emissions from the material handling units/operations listed above are controlled by either a fabric filter or a baghouse system. Fugitive emissions from the dry ash rail car/truck loadout operation shall be controlled by using closed or covered containers under negative air pressures during ash loadout; and by using water sprays prior to removal of the rail car loadout cap when loading open rail cars.

Aux Boilers -007 (New)

The aux boilers do not use post-combustion control equipment. Low-NO_x burners, system design, and clean-burning fuels limit the formation of pollutants.

All Emission Units

Design details have been provided to the Department previously, in the original PSD and Title V permit applications. Stack testing documents that each control device or method achieves a control efficiency sufficient to meet any applicable emission limitations. Test data for each emissions unit has been submitted previously.

PC Boiler Fuel Specifications - EU -001

The PC Boiler is permitted to fire pulverized coal, No. 2 fuel oil, natural gas, and propane. There is no limit to the quantity of each fuel fired, or the order in which they are fired. One or more fuels may be fired simultaneously.

Coal may include any solid fuel classified as coal by American Society for Testing and Materials in ASTM D388-77, "Standard Specification for Classification of Coals by Rank." Use of any source of coal shall not be considered as a modification or change in the method of operation.

No. 2 fuel oil may include any product meeting ASTM specifications as No. 2 fuel oil or better and also meeting any other applicable requirements including Department regulatory requirements and the Facility PSD Permit/Permit to Construct. The Facility may add industrial biocide(s) to its fuel oil tanks to control biological growth. Use of any source of fuel oil as specified herein shall not be considered as a modification or change in the method of operation. Per condition A.7, the fuel oil to be fired shall be "new oil" which means an oil which has been refined from crude oil and has not been used. The PC Boiler does not currently fire No. 2 fuel oil.

Natural gas may include any material meeting the definition of natural gas in 40 CFR 60 Subpart Db. Natural gas is defined in 40 CFR 60.41b as "(1) a naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane; or (2) liquid petroleum gas, as defined by the American Society for Testing and Materials in ASTM D1835-82."

Propane may include any product meeting ASTM specifications as propane and also meeting any other applicable requirements including Department regulatory requirements and the Facility Plan Approval. Use of any source of propane as specified herein shall not be considered as a modification or change in the method of operation.

Aux Boiler Fuel Specifications - EU -003 (Boilers have been removed)

The Aux Boilers permitted to fire No. 2 fuel oil, natural gas, and propane. There is no limit to the quantity of each fuel fired, or the order in which they are fired, though Condition B.5. limits hours of operation. One or more fuels may be fired simultaneously.

No. 2 fuel oil may include any product meeting ASTM specifications as No. 2 fuel oil or better and also meeting any other applicable requirements including Department regulatory requirements and the Facility PSD Permit/Permit to Construct. The Facility may add industrial biocide(s) to its fuel oil tanks to control biological growth. Use of any source of fuel oil as specified herein shall not be considered as a modification or change in the method of operation. Per condition B.4, the fuel oil to be fired shall be "new oil" which means an oil which has been refined from crude oil and has not been used. Condition B.10 restricts the fuel oil to 0.05 percent sulfur or less. The Aux Boilers do not currently fire No. 2 fuel oil.

Natural gas may include any material meeting the definition of natural gas in 40 CFR 60 Subpart Db. Natural gas is defined in 40 CFR 60.41b as "(1) a naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal

constituent is methane; or (2) liquid petroleum gas, as defined by the American Society for Testing and Materials in ASTM D1835-82.”

Propane may include any product meeting ASTM specifications as propane and also meeting any other applicable requirements including Department regulatory requirements and the Facility Plan Approval. Use of any source of propane as specified herein shall not be considered as a modification or change in the method of operation.

Aux Boiler Fuel Specifications - EU -007 (New)

The Aux Boilers permitted to fire natural gas, and propane. There is no limit to the quantity of each fuel fired, or the order in which they are fired, though Permit Condition under Performance Restrictions Condition 6 limits hours of operation in Air Permit No. 0850102-008-AC. One or more fuels may be fired simultaneously.

Natural gas may include any material meeting the definition of natural gas in 40 CFR 60 Subpart Db. Natural gas is defined in 40 CFR 60.41b as “(1) a naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth’s surface, of which the principal constituent is methane; or (2) liquid petroleum gas, as defined by the American Society for Testing and Materials in ASTM D1835-82.” Permit Condition under Performance Restrictions Condition 5 defines the allowable natural gas fuel in Air Permit No. 0850102-008-AC.

Propane may include any product meeting ASTM specifications as propane and also meeting any other applicable requirements including Department regulatory requirements and the Facility Plan Approval. Use of any source of propane as specified herein shall not be considered as a modification or change in the method of operation.

Indiantown Cogeneration, L.P.
Indiantown Generating Plant

Facility ID No.: 0850102

Requested Changes

Deletion of the conditions related to Auxiliary Boilers (EU003).

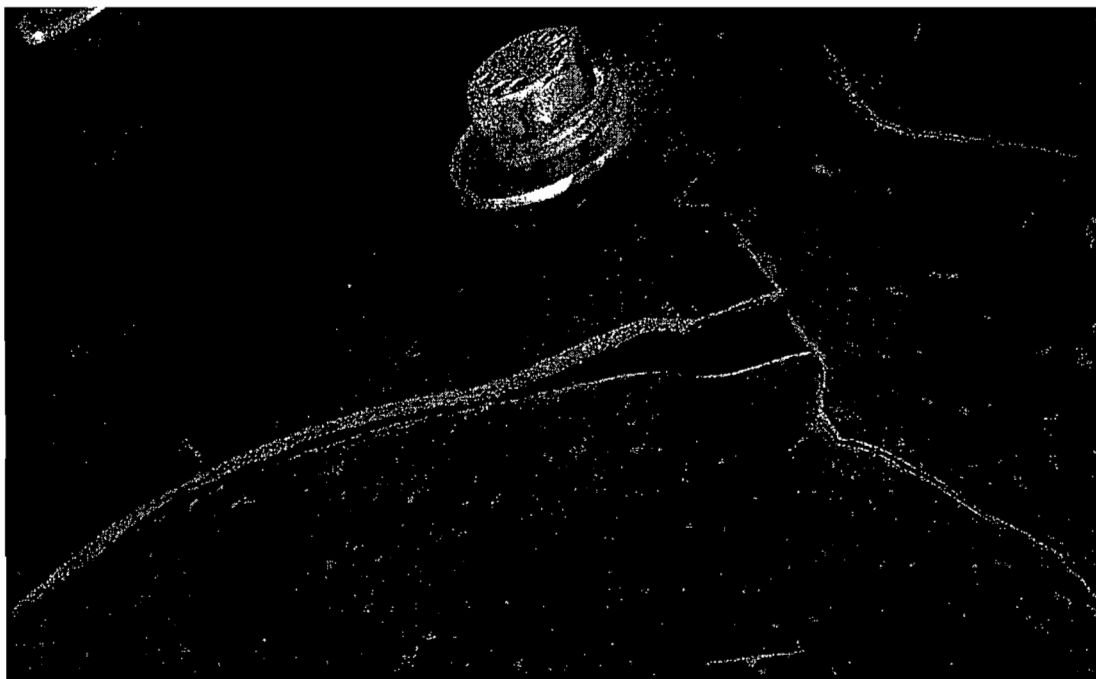
Addition of the conditions for Auxiliary Boilers (EU007) based on Permit No. 0850102-008-AC.

Modifications of the regulatory citations in the existing Title V renewal permit to reflect the changes in the citations as applicable.

**INDIANTOWN COGENERATION, LP
COMPLIANCE REPORT AND PLAN
Facility ID 0850102**

Per the Title V revision online instructions: "A compliance plan must be submitted for each emissions unit that is not in compliance with all applicable requirements at the time of application and/or at any time during application processing. The department must be notified of any changes in compliance status during application processing."

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. These problems included physical damage to the boiler as-delivered. An example photo of the damage is below:



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 Compliance Report and Plan requests an extension of all of these related requirements, for Auxiliary Boiler 1. The deadline for testing is April 22, 2007.

We are working diligently to get testing scheduled and performed. Performance testing 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.

We will notify the department of changes in compliance status during processing of this Title V revision application.

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Table 1-1, Air Pollutant Standards and Terms

Indiantown Cogeneration, L.P.
Indiantown Cogeneration Plant

Permit No.: 0850102-007-AV
Facility ID No.: 0850102

This table summarizes information for convenience purposes only. This table does not supercede any of the terms or conditions of this permit, or add any conditions.

| EU ID No(s) | Brief Description | Pollutant Name | Fuel(s) | Hours/Year | Basis | Allowable Emissions lb/hr TPY | | Regulatory Citations | See Permit Conditions | |
|-------------|-----------------------------|----------------|---------------------|------------|------------------------|----------------------------------|----------|-------------------------|-----------------------|-----|
| -001 | Pulverized Coal (PC) Boiler | PM/PM10 | Coal | 8760 | 0.018 lb/MMBtu (1) | 61.6 | 270 | Rule 62-212.410, F.A.C. | A.12 | |
| | | SO2 | Coal | 8760 | 0.170 lb/MMBtu (1) | 582 | 2549 | Rule 62-212.410, F.A.C. | A.12 | |
| | | NOx | Coal | 8760 | 0.170 lb/MMBtu (1) | 582 | 2549 | Rule 62-212.410, F.A.C. | A.12 | |
| | | CO | Coal | 8760 | 0.110 lb/MMBtu (1) | 376 | 1649 | Rule 62-212.410, F.A.C. | A.12 | |
| | | VOC | Coal | 8760 | 0.0036 lb/MMBtu (1) | 12.32 | 54 | Rule 62-212.410, F.A.C. | A.12 | |
| | | SAM | Coal | 8760 | 0.0004 lb/MMBtu (1) | 1.45 | 6.51 | Rule 62-212.410, F.A.C. | A.12 | |
| | | H021 | Coal | 8760 | 0.000027 lb/MMBtu (1) | 0.0094 | 0.041 | Rule 62-212.410, F.A.C. | A.12 | |
| | | H114 | Coal | 8760 | 0.0000114 lb/MMBtu (1) | 0.039 | 0.17 | Rule 62-212.410, F.A.C. | A.12 | |
| | | Pb | Coal | 8760 | 0.0000187 lb/MMBtu (1) | 0.064 | 0.28 | Rule 62-212.410, F.A.C. | A.12 | |
| | | FL | Coal | 8760 | 0.0015 lb/MMBtu (1) | 5.08 | 22.3 | Rule 62-212.410, F.A.C. | A.12 | |
| | | Arsenic | Coal | 8760 | 0.000051 lb/MMBtu (1) | 0.18 | 0.77 | Rule 62-212.410, F.A.C. | A.12 | |
| | | Ammonia | Coal | 8760 | 50 ppmv | | | Rule 62-212.410, F.A.C. | A.13 | |
| | | Opacity | Coal | 8760 | Not > 10% (2) | | | Rule 62-212.410, F.A.C. | A.12 | |
| -002 | 2 Auxiliary Boilers | PM/PM10 | Oil | 1000 | | 1.4 | 0.7 | Rule 62-212.410, F.A.C. | B.7 | |
| | | SO2 | Oil | 1000 | | 18 | 9 | Rule 62-212.410, F.A.C. | B.7 | |
| | | NOx | Oil | 1000 | | 68 | 34 | Rule 62-212.410, F.A.C. | B.7 | |
| | | CO | Oil | 1000 | | 48 | 24 | Rule 62-212.410, F.A.C. | B.7 | |
| | | VOC | Oil | 1000 | | 0.62 | 0.31 | Rule 62-212.410, F.A.C. | B.7 | |
| | | H021 | Oil | 1000 | | 4.00E-05 | 2.00E-05 | Rule 62-212.410, F.A.C. | B.7 | |
| | | H114 | Oil | 1000 | | 5.20E-04 | 2.60E-04 | Rule 62-212.410, F.A.C. | B.7 | |
| | | Pb | Oil | 1000 | | 3.60E-02 | 1.80E-02 | Rule 62-212.410, F.A.C. | B.7 | |
| | | Arsenic | Oil | 1000 | | 6.80E-03 | 3.40E-03 | Rule 62-212.410, F.A.C. | B.7 | |
| | | Opacity | Oil | 1000 | Not > 20% (2) | | | 40 CFR 60.43b(f) | B.8 | |
| -004 | Coal Handling System | PM | | | 0.010 grains/acf | | | Rule 62-212.410, F.A.C. | C.4 | |
| | | Opacity | | 8760 | Not > 10% | | | Rule 62-212.410, F.A.C. | C.3 | |
| -005 | Ash Handling System | PM | | | 0.010 grains/acf | | | Rule 62-212.410, F.A.C. | D.4 | |
| | | Opacity | | 8760 | Not > 10% | | | Rule 62-212.410, F.A.C. | D.3 | |
| -006 | Lime Handling System | PM | | | 0.010 grains/acf | | | Rule 62-212.410, F.A.C. | E.5 | |
| | | Opacity | | 8760 | Not > 10% | | | Rule 62-212.410, F.A.C. | E.4 | |
| -007 | 2 Auxiliary Boilers | PM/PM10 | Natural Gas/Propane | 5000 | | 1.4 | 3.5 | | TBD | |
| | | SO2 | Natural Gas/Propane | 5000 | | 2.1 | 5.3 | | TBD | |
| | | NOx | Natural Gas/Propane | 5000 | 0.040 lb/MMBtu | | | 35 | | TBD |
| | | CO | Natural Gas/Propane | 5000 | 0.040 lb/MMBtu | | | 35 | | TBD |
| | | VOC | Natural Gas/Propane | 5000 | | 0.7 | 1.8 | | | TBD |
| | | Opacity | Natural Gas/Propane | 5000 | Not > 20% (2) | | | | | TBD |

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Table 2-1, Compliance Requirements

Indiantown Cogeneration, L.P.
Indiantown Cogeneration Plant

Permit No.: 0850102-007-AV
Facility ID No.: 0850102

This table summarizes information for convenience purposes only. This table does not supercede any of the terms or conditions of this permit, or add any conditions.

| E.U. ID No(s) | Brief Description | Pollutant Name | Fuel(s) | Compliance Method (EPA Method) | Testing Time Frequency | Frequency Base Date | Min. Compliance Test Duration | CMS | See Permit Conditions | | |
|-------------------|-----------------------------|-----------------------------|----------------------|--------------------------------|------------------------|---------------------|-------------------------------|------------|-----------------------|---------|------|
| -001 | Pulverized Coal (PC) Boiler | PM/PM10 | Coal | 5 | Annual | | 3 hours | | A.41, A.54 | | |
| | | SO2 | Coal | 6, 6C, or 19 | Annual | | | Yes | A.41, A.54 | | |
| | | NOx | Coal | 7E | Annual | | | Yes | A.41, A.54 | | |
| | | CO | Coal | 10 | Annual | | | | A.41 | | |
| | | VOC | Coal | 18 and 25A | Annual | | | | A.41 | | |
| | | SAM | Coal | 8 | Annual | | | | A.41 | | |
| | | Beryllium (H021) | Coal | 29 | Annual | | | | A.41 | | |
| | | Mercury (H114) | Coal | 29 | Annual | | | | A.41 | | |
| | | Pb | Coal | 29 | Annual | | | | A.41 | | |
| | | FL | Coal | 13A or 13B | Annual | | | | A.41 | | |
| | | Arsenic | Coal | 29 | Annual | | | | A.41 | | |
| Ammonia | Coal | EPA conditional test method | Annual | | | | A.41 | | | | |
| Visible Emissions | Coal | 9 | Annual | | | 1 hour | Yes | A.41, A.54 | | | |
| -002 | 2 Auxiliary Boilers | PM/PM10 | Oil | 5 | Annual | | 3 hours | | B.28 | | |
| | | SO2 | Oil | 6, 6C, or 19 | Initial | | | Yes | B.28 | | |
| | | NOx | Oil | 7E | Initial | | | | B.28 | | |
| | | CO | Oil | 10 | Initial | | | | B.28 | | |
| | | VOC | Oil | 18 and 25A | Initial | | | | B.28 | | |
| | | Beryllium (H021) | Oil | 29 | Initial | | | | B.28 | | |
| | | Mercury (H114) | Oil | 29 | Initial | | | | B.28 | | |
| | | Pb | Oil | 29 | Initial | | | | B.28 | | |
| | | Arsenic | Oil | 29 | Initial | | | | B.28 | | |
| | | Visible Emissions | Oil | 9 | Annual | | | | 1 hour | Yes | B.28 |
| | | -004 | Coal Handling System | PM | | 5 | Annual | | 1-Oct | 3 hours | |
| Visible Emissions | | | | 9 | Annual | 1-Oct | 1 hour | | C.10 & C.12 | | |
| -005 | Ash Handling System | PM | | 5 | Annual | 1-Oct | 3 hours | | D.11 | | |
| | | Visible Emissions | | 9 | Annual | 1-Oct | 1 hour | | D.9 & D.10 | | |
| -006 | Lime Handling System | PM | | 5 | Annual | 1-Oct | 3 hours | | E.12 | | |
| | | Visible Emissions | | 9 | Annual | 1-Oct | 1 hour | | E.10 | | |
| -007 | 2 Auxiliary Boilers | PM/PM10 | Natural Gas/Propane | Use NG/LPG only | | | | | TBD | | |
| | | SO2 | Natural Gas/Propane | Use NG/LPG only | | | | Yes | TBD | | |
| | | NOx | Natural Gas/Propane | 7 | Annual | | | | TBD | | |
| | | CO | Natural Gas/Propane | 10 | Annual | | | | TBD | | |
| | | VOC | Natural Gas/Propane | 25A | Initial | | | | TBD | | |
| | | Visible Emissions | Natural Gas/Propane | 9 | Annual | | | | TBD | | |



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

APPLICATION FOR AIR PERMIT - LONG FORM

--- Detail Report ---

Application not submitted. Data current as of 4/16/2007

I. APPLICATION SECTION

APPLICATION IDENTIFICATION INFORMATION

Application Number: 1388-1

Application Name: INDIANTOWN TITLE V REVISION 2006

Purpose of Application: TITLE V AIR OPERATION PERMIT REVISION.

Application Revision: to incorporate two natural gas (or propane) fired auxiliary boilers, installed per ARMS
Comment: Permit 0850102-008-AC.

SCOPE OF APPLICATION

| EU ID | Description | Permit Type |
|-------|--|-------------|
| 003 | (2) Auxiliary Boilers and Temporary Auxiliary Boiler | |
| 007 | Aux Boilers (2) | AV02 |

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

APPLICATION CONTACT INFORMATION

First Name: NICHOLAS

Last Name: LARYEA

Job Title: Environmental Manager

Name of Organization/Firm: INDIANTOWN COGENERATION, LP

Telephone: 772 - 597 - 6500 Ext. 19

Fax: 772 - 597 - 6210

E-mail: NicholasLaryea@Cogentrix.com

Street Address: P.O. BOX 1799

City: INDIANTOWN

State: FL

Zip: 34956

OWNER/AUTHORIZED REPRESENTATIVE INFORMATION

First Name:

Last Name:

Job Title:

Name of Organization/Firm:

Telephone:

Fax:

E-mail:

Street Address:

City:
State:
Zip:

RESPONSIBLE OFFICIAL INFORMATION

First Name: GARY
Last Name: WILLER
Primary RO? YES
Job Title: GENERAL MANAGER
Name of Organization/Firm: INDIANTOWN COGENERATION LP
Telephone: 772 - 597 - 6500
Fax: 772 - 597 - 6210
E-mail: GARYWILLER@COGENTRIX.COM
Street Address: PO BOX 1799

City: INDIANTOWN
State: FL
Zip: 34956

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

First Name: NICHOLAS
Last Name: LARYEA
Primary RO? NO
Job Title: Environmental Manager
Name of Organization/Firm: INDIANTOWN COGENERATION, LP
Telephone: 772 - 597 - 6500 Ext. 19
Fax: 772 - 597 - 6210
E-mail: NicholasLaryea@Cogentrix.com
Street Address: P. O. BOX 1799

City: INDIANTOWN
State: FL
Zip: 34956

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

PROFESSIONAL ENGINEER INFORMATION

PE UserName: BILLCANNON
Registration Number: 53639
First Name: WILLIAM
Last Name: CANNON
Job Title: Project Engineer
Name of Organization/Firm: EARTH TECH

Telephone: 864 - 234 - 3581
Fax:
E-mail: BILL.CANNON@EARTHTECH.COM
Street Address: 10 PATEWOOD DRIVE
SUITE 500, BUILDING VI
City: GREENVILLE
State: SC
Zip: 29615

II. FACILITY SECTION

FACILITY IDENTIFICATION INFORMATION

Facility ID: 0850102
Owner/Company Name: INDIANTOWN COGENERATION, L.P.
Site Name: INDIANTOWN COGENERATION PLANT
Description of Location:
Street Address: 13303 SW SILVER FOX LANE
City: INDIANTOWN
County: MARTIN
ZIP: 34956
Relocatable: NO
Existing Title V Permitted Facility? YES
Facility Status: A - ACTIVE
Comment: A PULVERIZED COAL-FIRED COGENERATION PLANT (330 MW)

FACILITY LOCATION AND TYPE

Facility UTM Coordinates: Zone: 17 East(km): 547.65 North(km): 2990.7
Facility Latitude: Degrees: 27 Minutes: 2 Seconds: 21
Facility Longitude: Degrees: 80 Minutes: 30 Seconds: 53
Facility SIC Codes: Primary: 4911 - ELECTRIC, GAS AND SANITARY SERVICES
ELECTRIC SERVICES
ELECTRIC SERVICES
Governmental Facility Code: 0 - NONE (NON-GOVERNMENTAL FACILITY)
Facility Status: A - ACTIVE
Facility Major Group SIC: 49 - ELECTRIC, GAS AND SANITARY SERVICES

FACILITY CONTACT INFORMATION

First Name: NICHOLAS
Middle Name:
Last Name: LARYEA
Name Suffix:
Job Title: ENVIRONMENTAL MANAGER
Name of Organization/Firm: INDIANTOWN COGENERATION FACILITY
Telephone: 772 - 597 - 6500 Ext. 19
Fax: 772 - 597 - 6520
E-mail: NicholasLaryea@Cogentrix.com
Street Address: P.O. BOX 1799

City: INDIANTOWN
State: FL
Zip: 34956 - 1799

FACILITY REGULATORY CLASSIFICATIONS

Small Business Stationary Source: Not Applicable
Synthetic Non-Title V Source: No
Title V Source: Yes
Major Source of Air Pollutants Other than Hazardous Air Pollutants (HAPs): Yes
Synthetic Minor Source of Air Pollutants Other than Hazardous Air Pollutants (HAPs): No
Major Source of Hazardous Air Pollutants (HAPs): Yes

Synthetic Minor Source of HAPs: No

One or More Emissions Units Subject to NSPS (40 CFR Part 60): Yes

One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60): Yes

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

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

Facility Regulatory Classifications Comment:

| FACILITY POLLUTANT INFORMATION | | | | | | |
|--------------------------------|---|--------|-------------------------|-------------|-------------------------|---------|
| Code | Description | Class. | Requested Emissions Cap | | Basis for Emissions Cap | Comment |
| | | | (lb/hour) | (tons/year) | | |
| CO | Carbon Monoxide | A | | | | |
| FL | Fluorides - Total (elemental fluorine and fluoride compounds) | B | | | | |
| H015 | Arsenic Compounds (inorganic including arsine) | C | | | | |
| H021 | Beryllium Compounds | C | | | | |
| H114 | Mercury Compounds | B | | | | |
| NH3 | Ammonia | C | | | | |
| NOX | Nitrogen Oxides | A | | | | |
| PB | Lead - Total (elemental lead and lead compounds) | B | | | | |
| PM | Particulate Matter - Total | A | | | | |
| PM10 | Particulate Matter - PM10 | A | | | | |
| SAM | Sulfuric Acid Mist | B | | | | |
| SO2 | Sulfur Dioxide | A | | | | |
| VOC | Volatile Organic Compounds | B | | | | |

| FACILITY ADDITIONAL INFORMATION | | |
|--|-------------|-------------|
| Description | Applicable? | Attachment? |
| AREA MAP SHOWING FACILITY LOCATION | No | No |
| FACILITY PLOT PLAN Previously submitted? YES Submittal Date: | | Yes |
| PROCESS FLOW DIAGRAM(s) Previously submitted? YES Submittal Date: | | Yes |
| PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PARTICULATE MATTER Previously submitted? YES Submittal Date: 2/23/2004 | | No |
| LIST OF EXEMPT EMISSIONS UNITS (RULE 62-210.300(3),F.A.C.) | No | No |
| LIST OF INSIGNIFICANT ACTIVITIES | No | No |
| IDENTIFICATION OF APPLICABLE REQUIREMENTS | Yes | Yes |
| COMPLIANCE REPORT AND PLAN | Yes | Yes |
| LIST OF EQUIPMENT/ACTIVITIES REGULATED UNDER TITLE VI Equipment/Activities On Site but Not Required to be Individually Listed? NO | No | No |
| VERIFICATION OF RISK MANAGEMENT PLAN SUBMISSION TO EPA | No | No |
| REQUESTED CHANGES TO CURRENT TITLE V AIR OPERATION PERMIT | Yes | Yes |
| DESCRIPTION OF PROPOSED CONSTRUCTION, MODIFICATION, or PLANTWIDE APPLICABILITY LIMIT (PAL) | No | No |
| RULE APPLICABILITY ANALYSIS | No | No |
| LIST OF EXEMPT EMISSIONS UNITS (RULE 62-210.300(3),F.A.C.) | No | No |
| FUGITIVE EMISSIONS IDENTIFICATION | No | No |

| | | |
|--|-----|-----|
| AIR QUALITY ANALYSIS (RULE 62-212.400(7),F.A.C.) | No | No |
| SOURCE IMPACT ANALYSIS (RULE 62-212.400(5),F.A.C.) | No | No |
| AIR QUALITY IMPACT SINCE 1977 (RULE 62-212.400(4)(e),F.A.C.) | No | No |
| ADDITIONAL IMPACT ANALYSES (RULES 62-212.400(8) and 62-212.500(4)(e),F.A.C.) | No | No |
| ALTERNATIVE ANALYSIS REQUIREMENTS (RULE 62-212.500(4)(g),F.A.C.) | No | No |
| OTHER FACILITY INFORMATION | Yes | Yes |
| Facility Additional Items Comment: | | |

FACILITY ATTACHMENTS

| Description | Electronic? | Attachment Description | Electronic File Name |
|---|-------------|--|---|
| COMPLIANCE REPORT AND PLAN | Yes | INDIANTOWN TITLE V COMPLIANCE_PLAN.DOC | L__work_26109_PROJ_Title V files_Revisions_indiantown title v compliance_plan.doc |
| FACILITY PLOT PLAN | Yes | FACPLANREV1.PDF | L__work_26109_PROJ_Title V files_Revisions_facplanrev1.pdf |
| IDENTIFICATION OF APPLICABLE REQUIREMENTS | Yes | INDIANTOWN_APPLICABLE_REGSREV1.DOC | L__work_26109_PROJ_Title V files_Revisions_indiantown_applicable_reg |
| OTHER FACILITY INFORMATION | Yes | INDIANTOWN_TITLE_V REV1.DOC | L__work_26109_PROJ_Title V files_Revisions_indiantown_title_v rev1.doc |
| OTHER FACILITY INFORMATION | Yes | TABLES 1-1 AND 2-1.XLS | L__work_26109_PROJ_Title V files_Revisions_Tables 1-1 and 2-1.xls |
| PROCESS FLOW DIAGRAM(s) | Yes | PROCESS_FLOW REV1.PPT | L__work_26109_PROJ_Title V files_Revisions_process_flow rev1.ppt |
| REQUESTED CHANGES TO CURRENT TITLE V AIR OPERATION PERMIT | Yes | REQUESTED_CHANGESREV1.DOC | L__work_26109_PROJ_Title V files_Revisions_requested_changesrev1.d |

III. EMISSIONS UNIT SECTION

EU 003: DESCRIPTION AND DETAIL INFORMATION

Regulated/Unregulated: REGULATED
Type of EU: THIS EU INFORMATION SECTION ADDRESSES, AS A SINGLE EMISSIONS UNIT, A SINGLE PROCESS OR PRODUCTION UNIT, OR ACTIVITY, WHICH PRODUCES ONE OR MORE AIR POLLUTANTS AND WHICH HAS AT LEAST ONE DEFINABLE EMISSION POINT (STACK OR VENT).
EU Description: (2) Auxiliary Boilers and Temporary Auxiliary Boiler
EU Status: I - INACTIVE
Commence Construction Date:
Initial Startup Date: 1/19/1995
EU Major Group SIC: 49 - ELECTRIC, GAS AND SANITARY SERVICES
Acid Rain Unit: No
Package Unit Manufacturer: NEBRASKA
Package Unit Model #: N2S-7/S-73 (2)
Generator Nameplate Rating:
EU Comment: REMOVED FROM SERVICE

| EU 003: CONTROL EQUIPMENT/METHOD (CE) INFORMATION | | |
|--|--------------------------------------|--------------------|
| CE Code | Control Equipment/Method Name | Description |
| 24 | MODIFIED FURNACE/BURNER DESIGN | Low NOx Burners |

EU 003: OPERATING CAPACITY AND SCHEDULE

Maximum Process or Throughput Rate:
Maximum Process or Throughput Rate Units:
Maximum Production Rate:
Maximum Production Rate Units:
Maximum Heat Input Rate: 358 mmBtu/hr
Maximum Incineration Rate:
Requested Maximum Operating Schedule: 0 hours/year
Operating Capacity and Schedule Comment: REMOVED FROM SERVICE

EU 003: POINT (STACK/VENT) INFORMATION

Identification of Point on Plot Plan or Flow Diagram? 02
Emission Point Type Code: 1 - A SINGLE EMISSION POINT SERVING A SINGLE EMISSIONS UNIT
Discharge Type Code: V - A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL, OR NEARLY VERTICAL DIRECTION
Stack Height: 210 feet
Exit Diameter: 5 feet
Exit Temperature: 350 Fahrenheit
Actual Volumetric Flow Rate: 0 acfm
Water Vapor: 18 %

Maximum Dry Standard Flow

Rate:
Nonstack Emission Point
Height:
Emission Point UTM
Coordinates:
Emission Point Latitude:
Emission Point Longitude:
Emission Point Comment: REMOVED FROM SERVICE

EU 003: SEGMENT (PROCESS/FUEL) INFORMATION

SCC Code: 10100501

Units: 1000 Gallons Distillate Oil (No. 1 & 2) Burned
Description 1: External Combustion Boilers
Description 2: Electric Generation
Description 3: Distillate Oil
Description 4: Grades 1 and 2 Oil
Is this a Valid Segment? NO
Segment Description #2 fuel oil.
(Process/Fuel Type):
Maximum Hourly Rate: 0
Maximum Annual Rate:
Estimated Annual Activity
Factor:
Maximum % Sulfur: 0.05
Maximum % Ash:
Million Btu per SCC Unit: 135
Segment Comment: REMOVED FROM SERVICE

SCC Code: 10100601

Units: Million Cubic Feet Natural Gas Burned
Description 1: External Combustion Boilers
Description 2: Electric Generation
Description 3: Natural Gas
Description 4: Boilers > 100 Million Btu/hr except Tangential
Is this a Valid Segment? NO
Segment Description Natural gas firing
(Process/Fuel Type):
Maximum Hourly Rate:
Maximum Annual Rate:
Estimated Annual Activity
Factor:
Maximum % Sulfur:
Maximum % Ash:
Million Btu per SCC Unit: 950
Segment Comment: REMOVED FROM SERVICE

SCC Code: 10101002

Units: 1000 Gallons Propane Burned
Description 1: External Combustion Boilers
Description 2: Electric Generation
Description 3: Liquefied Petroleum Gas (LPG)
Description 4: Propane
Is this a Valid Segment? NO
Segment Description Propane firing
(Process/Fuel Type):
Maximum Hourly Rate: 0

Maximum Annual Rate:
Estimated Annual Activity
Factor:
Maximum % Sulfur:
Maximum % Ash:
Million Btu per SCC Unit: 90
Segment Comment: REMOVED FROM SERVICE

EU 003: EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Pollutant Code: CO
Pollutant Description: Carbon Monoxide
Is this a Valid Pollutant? NO
Include in the Facility Emissions NO
Cap? NO
Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions: 48 lb/hour 60.18 tons/year
Synthetically Limited? N
Range of Estimated Fugitive
Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code: 3 - CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.
Baseline Actual Emissions (if
required):
Baseline 24-Month Period:
Projected Actual Emissions (if
required):
Projected Monitoring Period:
Calculation of Emissions: See Table 4-4 of Application Text.
Potential, Fugitive, and Actual See discussion in Sections 4.1.2 and 5.2 of Application Text
Emissions Comment:

Pollutant Code: H015
Pollutant Description: Arsenic Compounds (inorganic including arsine)
Is this a Valid Pollutant? NO
Include in the Facility Emissions NO
Cap? NO
Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions: 0.0068 lb/hour 0.0034 tons/year
Synthetically Limited? N
Range of Estimated Fugitive
Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code: 5 - CALCULATED USING EMISSION FACTOR OTHER THAN AP-42/FIRE
SYSTEM.
Baseline Actual Emissions (if

required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions: No FIRE emission factor calcs for propane/nat gas available. See Table 4-4 of Application Text.
Potential, Fugitive, and Actual Emissions Comment: See discussion in Sections 4.1.2 and 5.2 of Application Text

Pollutant Code: H021

Pollutant Description: Beryllium Compounds
Is this a Valid Pollutant? NO
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions: 0.00004 lb/hour 0.00002 tons/year
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code: 5 - CALCULATED USING EMISSION FACTOR OTHER THAN AP-42/FIRE SYSTEM.

Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions: No FIRE emission factor calcs for propane/nat gas available. See Table 4-4 of Application Text.
Potential, Fugitive, and Actual Emissions Comment: See discussion in Sections 4.1.2 and 5.2 of Application Text

Pollutant Code: H114

Pollutant Description: Mercury Compounds
Is this a Valid Pollutant? NO
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions: 0.0041 lb/hour 0.0102 tons/year
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code: 3 - CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.
Baseline Actual Emissions (if required):

Baseline 24-Month Period:
Projected Actual Emissions (if required):

Projected Monitoring Period:

Calculation of Emissions: The FIRE emission factor calcs for natural gas for the potential firing. See Table 4-4 of Application Text.

Potential, Fugitive, and Actual Emissions Comment: See discussion in Sections 4.1.2 and 5.2 of Application Text

Pollutant Code: NOX

Pollutant Description: Nitrogen Oxides

Is this a Valid Pollutant? NO

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT

Primary Control Device: MODIFIED FURNACE/BURNER DESIGN

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions: 71.6 lb/hour 177 tons/year

Synthetically Limited? N

Range of Estimated Fugitive Emissions:

Emission Factor: 0.2

Emission Factor Units: LB/MMBTU (025)

Emission Factor Reference: Permit Limit

Emissions Method Code:

Baseline Actual Emissions (if required):

Baseline 24-Month Period:

Projected Actual Emissions (if required):

Projected Monitoring Period:

Calculation of Emissions: See Table 4-4 of Application Text.

Potential, Fugitive, and Actual Emissions Comment: See discussion in Sections 4.1.2 and 5.2 of Application Text

Pollutant Code: PB

Pollutant Description: Lead - Total (elemental lead and lead compounds)

Is this a Valid Pollutant? NO

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions: 0.036 lb/hour 0.018 tons/year

Synthetically Limited? N

Range of Estimated Fugitive Emissions:

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code: 5 - CALCULATED USING EMISSION FACTOR OTHER THAN AP-42/FIRE SYSTEM.

Baseline Actual Emissions (if required):

Baseline 24-Month Period:

Projected Actual Emissions (if required):

required):

Projected Monitoring Period:

Calculation of Emissions: No FIRE emission factor calcs for propane/nat gas available. See Table 4-4 of Application Text.

Potential, Fugitive, and Actual Emissions Comment: See discussion in Sections 4.1.2 and 5.2 of Application Text

Pollutant Code: PM

Pollutant Description: Particulate Matter - Total

Is this a Valid Pollutant? NO

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions: 23.73 lb/hour 59.34 tons/year

Synthetically Limited? N

Range of Estimated Fugitive

Emissions:

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code: 3 - CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.

Baseline Actual Emissions (if

required):

Baseline 24-Month Period:

Projected Actual Emissions (if

required):

Projected Monitoring Period:

Calculation of Emissions: The FIRE emission factor calcs for propane for the potential firing. See Table 4-4 of Application Text.

Potential, Fugitive, and Actual Emissions Comment: See discussion in Sections 4.1.2 and 5.2 of Application Text

Pollutant Code: PM10

Pollutant Description: Particulate Matter - PM10

Is this a Valid Pollutant? NO

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions: 10.29 lb/hour 25.71 tons/year

Synthetically Limited? N

Range of Estimated Fugitive

Emissions:

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code: 3 - CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.

Baseline Actual Emissions (if

required):

Baseline 24-Month Period:

Projected Actual Emissions (if

required):

Projected Monitoring Period:

Calculation of Emissions: The FIRE emission factor calcs for propane for the potential firing. See Table 4-4 of Application Text.

Potential, Fugitive, and Actual Emissions Comment: See discussion in Sections 4.1.2 and 5.2 of Application Text

Pollutant Code: SO2

Pollutant Description: Sulfur Dioxide

Is this a Valid Pollutant? NO

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions: 18 lb/hour 16.91 tons/year

Synthetically Limited? N

Range of Estimated Fugitive Emissions:

Emission Factor: 0.05

Emission Factor Units: PERCENT SULFUR IN FUEL (049)

Emission Factor Reference:

Emissions Method Code: 3 - CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.

Baseline Actual Emissions (if required):

Baseline 24-Month Period:

Projected Actual Emissions (if required):

Projected Monitoring Period:

Calculation of Emissions: The sum of permit limits for oil firing times the maximum allowed oil firing, plus the FIRE emission factor calcs for propane/nat gas for the remaining potential firing. See Table 4-4 of Application Text.

Potential, Fugitive, and Actual Emissions Comment: See discussion in Sections 4.1.2 and 5.2 of Application Text

Pollutant Code: VOC

Pollutant Description: Volatile Organic Compounds

Is this a Valid Pollutant? NO

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions: 9.89 lb/hour 24.72 tons/year

Synthetically Limited? N

Range of Estimated Fugitive Emissions:

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code: 3 - CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.

Baseline Actual Emissions (if required):

Baseline 24-Month Period:

Projected Actual Emissions (if required):

Projected Monitoring Period:

Calculation of Emissions: The FIRE emission factor calcs for propane for the potential firing. See Table 4-4 of Application Text.

Potential, Fugitive, and Actual Emissions Comment: See discussion in Sections 4.1.2 and 5.2 of Application Text

EU 003: POLLUTANT ALLOWABLE EMISSIONS INFORMATION

Pollutant Code: CO

Pollutant Description: Carbon Monoxide

Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS

Future Effective Date of Allowable Emissions:

Allowable Emissions: 0

Allowable Emissions Unit: POUNDS/HOUR (PH)

Equivalent Allowable Emissions: 0 lb/hour 24 tons/year

Method of Compliance: Initial test only.

Comment/Description of Operating Method: REMOVED FROM SERVICE

Pollutant Code: H015

Pollutant Description: Arsenic Compounds (inorganic including arsine)

Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS

Future Effective Date of Allowable Emissions:

Allowable Emissions: 0

Allowable Emissions Unit: POUNDS/HOUR (PH)

Equivalent Allowable Emissions: 0 lb/hour 0 tons/year

Method of Compliance: Initial test only.

Comment/Description of Operating Method: REMOVED FROM SERVICE

Pollutant Code: H021

Pollutant Description: Beryllium Compounds

Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS

Future Effective Date of Allowable Emissions:

Allowable Emissions:

Allowable Emissions Unit: POUNDS/HOUR (PH)

Equivalent Allowable Emissions:

Method of Compliance: Initial test only.

Comment/Description of Operating Method: REMOVED FROM SERVICE

Pollutant Code: H114

Pollutant Description: Mercury Compounds

Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS

Future Effective Date of Allowable Emissions:

Allowable Emissions: 0

Allowable Emissions Unit: POUNDS/HOUR (PH)

Equivalent Allowable Emissions: 0 lb/hour 0 tons/year

Method of Compliance: Initial test only.

Comment/Description of Operating Method: REMOVED FROM SERVICE

Pollutant Code: NOX

Pollutant Description: Nitrogen Oxides

Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS

Future Effective Date of Allowable Emissions:

Allowable Emissions: 0

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

Equivalent Allowable Emissions: 0 lb/hour 0 tons/year

Method of Compliance: Initial test only.

Comment/Description of Operating Method: REMOVED FROM SERVICE

Pollutant Code: PB

Pollutant Description: Lead - Total (elemental lead and lead compounds)

Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS

Future Effective Date of Allowable Emissions:

Allowable Emissions: 0

Allowable Emissions Unit: POUNDS/HOUR (PH)

Equivalent Allowable Emissions: 0 lb/hour 0 tons/year

Method of Compliance: Initial test only.

Comment/Description of Operating Method: REMOVED FROM SERVICE

Pollutant Code: PM

Pollutant Description: Particulate Matter - Total

Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS

Future Effective Date of Allowable Emissions:

Allowable Emissions: 0

Allowable Emissions Unit: POUNDS/HOUR (PH)

Equivalent Allowable Emissions: 0 lb/hour 0 tons/year

Method of Compliance: Test not required if fuel oil is fired <400 hrs/yr.

Comment/Description of Operating Method: REMOVED FROM SERVICE

Pollutant Code: PM10

Pollutant Description: Particulate Matter - PM10

Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS

Future Effective Date of Allowable Emissions:

Allowable Emissions: 0

Allowable Emissions Unit: POUNDS/HOUR (PH)

Equivalent Allowable Emissions: 0 lb/hour 0 tons/year

Method of Compliance: PM10 compliance shown through PM test

Comment/Description of Operating Method: REMOVED FROM SERVICE

Pollutant Code: SO2

Pollutant Description: Sulfur Dioxide

Basis for Allowable Emissions

Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS

Future Effective Date of Allowable

Emissions:

Allowable Emissions: 0

Allowable Emissions Unit: POUNDS/HOUR (PH)

Equivalent Allowable Emissions: 0 lb/hour 0 tons/year

Method of Compliance: Initial test only.

Comment/Description of Operating Method: REMOVED FROM SERVICE

Pollutant Code: VOC

Pollutant Description: Volatile Organic Compounds

Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS

Future Effective Date of Allowable

Emissions:

Allowable Emissions: 0

Allowable Emissions Unit: POUNDS/HOUR (PH)

Equivalent Allowable Emissions: 0 lb/hour 0 tons/year

Method of Compliance: Initial test only.

Comment/Description of Operating Method: REMOVED FROM SERVICE

EU 003: VISIBLE EMISSIONS INFORMATION

Visible Emissions Subtype: VE20

Basis for Allowable Opacity: RULE

Requested Allowable Opacity in Normal Conditions: 20 %

Requested Allowable Opacity in Exceptional Conditions: 27 %

Maximum Period of Excess Opacity Allowed: 6 min/hour

Compliance Test Method(s):

Visible Emissions Comment: Test not required if fuel oil is fired <400 hrs/yr. RN: Cndtn B.38 not reqrd VE for NG or oil and NG or oil<400hrs/yr, Cndtn B.37 (a)4.a. VE reqrd if has applicble std . Cnd.B 8 same limit for any fuel.

EU 003: CONTINUOUS MONITOR INFORMATION

Parameter Code: CO2 - Carbon dioxide

CMS Requirement:

Monitor Manufacturer: CALIFORNIA ANALYTICA

Model Number: ZRH-1

Serial Number: NSB-3533 T

Installation Date:

Performance Specification Test Date: 12/21/1995

Status: INACTIVE

Continuous Monitor Comment: Boiler A. 2 monitors, one on each boiler, to fulfill NSPS Subpart Db requirements.

Parameter Code: CO2 - Carbon dioxide

CMS Requirement:

Monitor Manufacturer: CALIF ANAL

Model Number: ZRH1
Serial Number: N5B3530T
Installation Date: 2/1/1995

Performance Specification Test

Date:
Status: INACTIVE

Continuous Monitor Comment: RN-this is dilution monitor for point 2(Aux. Boiler B), Verify PST data , PST status - pass.

Parameter Code: EM - EMISSION

Pollutant(s) Monitored: NOX - Nitrogen Oxides
CMS Requirement:
Monitor Manufacturer: THERMO ELECTRON (2 M.
Model Number: 42C
Serial Number: 59970325
Installation Date:

Performance Specification Test
Date: 12/21/1995
Status: INACTIVE

Continuous Monitor Comment: Boiler A. NOx: 2 monitors, one on each boiler, to fulfill NSPS Subpart Db requirements. per Nick (I ndiantown Cogen on 2-27-04).

Parameter Code: EM - EMISSION

Pollutant(s) Monitored: NOX - Nitrogen Oxides
CMS Requirement:
Monitor Manufacturer: TECO
Model Number: 42D
Serial Number: 53563-296
Installation Date: 10/14/2002

Performance Specification Test
Date:
Status: INACTIVE

Continuous Monitor Comment: RN- NOX mon B. ltr 10-21-02, NOX was rplcd by this ser.# due to damage , sent for repair. Also, on June14, 2004, PS2 evaltion on ser.# 42D563-296. In addition see e-mail from Nick Laryea on 7/1/04.

Parameter Code: EM - EMISSION

Pollutant(s) Monitored:
CMS Requirement:
Monitor Manufacturer: THERMO ENVIRONMENTAL
Model Number: 42D
Serial Number: 53563-296
Installation Date: 4/30/2004

Performance Specification Test
Date: 5/7/2004
Status: INACTIVE

Continuous Monitor Comment: RN: Boiler `B` NOx monitor; some confusion with serial #this is an old number stated as a new , and old # is 42D-53564-296, Need to confirm.

| EU 003: ADDITIONAL ITEMS | | |
|--|-------------|-------------|
| Description | Applicable? | Attachment? |
| PROCESS FLOW DIAGRAM Previously submitted? NO Submittal Date: | No | No |
| FUEL ANALYSIS OR SPECIFICATION | | |

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

EU 003: ATTACHMENTS

*** No Emissions Unit Additional Attachments Found ***

EU 007: DESCRIPTION AND DETAIL INFORMATION

Regulated/Unregulated: REGULATED
Type of EU: THIS EU INFORMATION SECTION ADDRESSES, AS A SINGLE EMISSIONS UNIT, A SINGLE PROCESS OR PRODUCTION UNIT, OR ACTIVITY, WHICH PRODUCES ONE OR MORE AIR POLLUTANTS AND WHICH HAS AT LEAST ONE DEFINABLE EMISSION POINT (STACK OR VENT).
EU Description: Aux Boilers (2)
EU Status: A - ACTIVE
Commence Construction Date:
Initial Startup Date: 10/24/2006
EU Major Group SIC: 49 - ELECTRIC, GAS AND SANITARY SERVICES
Acid Rain Unit: No
Package Unit Manufacturer: VICTORY ENERGY
Package Unit Model #: 23M KEYSTONE
Generator Nameplate Rating:
EU Comment: EU No.7

| EU 007: CONTROL EQUIPMENT/METHOD (CE) INFORMATION | | |
|---|-------------------------------|-------------|
| CE Code | Control Equipment/Method Name | Description |
| 26 | FLUE GAS RECIRCULATION | |
| 205 | LOW NOX BURNERS | |

EU 007: OPERATING CAPACITY AND SCHEDULE

Maximum Process or Throughput Rate:
Maximum Process or Throughput Rate Units:
Maximum Production Rate:
Maximum Production Rate Units:
Maximum Heat Input Rate: 350 mmBtu/hr
Maximum Incineration Rate:
Requested Maximum Operating Schedule: 5000 hours/year
Operating Capacity and Schedule: Maximum heat input rate is 350 MMBtu/hr when firing natural gas or 341 MMBtu/hr
Comment: when firing propane. Firing rate is total for both boilers.

EU 007: POINT (STACK/VENT) INFORMATION

Identification of Point on Plot Plan or Flow Diagram? (2) AUXILIARY BOILERS VENTED TO A COMMON STACK
Emission Point Type Code: 2 - AN EMISSION POINT SERVING 2 OR MORE EU'S CAPABLE OF SIMULTANEOUS OPERATION
Discharge Type Code: V - A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL, OR NEARLY VERTICAL DIRECTION
Stack Height: 210 feet
Exit Diameter: 5 feet
Exit Temperature: 551 Fahrenheit
Actual Volumetric Flow Rate: 146600 acfm
Water Vapor: 18 %
Maximum Dry Standard Flow: 62800 dscfm

Rate:
Nonstack Emission Point
Height:
Emission Point UTM Zone: 17 East(km): 547.65 North(km): 2990.7
Coordinates:
Emission Point Latitude: DD: 27 MM: 2 SS: 21
Emission Point Longitude: DD: 80 MM: 30 SS: 53
Emission Point Comment:

EU 007: SEGMENT (PROCESS/FUEL) INFORMATION

SCC Code: 10200601
Units: Million Cubic Feet Natural Gas Burned
Description 1: External Combustion Boilers
Description 2: Industrial
Description 3: Natural Gas
Description 4: > 100 Million Btu/hr
Is this a Valid Segment? YES
Segment Description
(Process/Fuel Type): Natural Gas
Maximum Hourly Rate: 0.37
Maximum Annual Rate:
Estimated Annual Activity
Factor:
Maximum % Sulfur:
Maximum % Ash:
Million Btu per SCC Unit: 950
Segment Comment:

SCC Code: 10201002
Units: 1000 Gallons Propane Burned
Description 1: External Combustion Boilers
Description 2: Industrial
Description 3: Liquified Petroleum Gas (LPG)
Description 4: Propane
Is this a Valid Segment? YES
Segment Description
(Process/Fuel Type): Propane Firing
Maximum Hourly Rate: 3.89
Maximum Annual Rate:
Estimated Annual Activity
Factor:
Maximum % Sulfur:
Maximum % Ash:
Million Btu per SCC Unit: 90
Segment Comment:

EU 007: EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

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

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units: LB/MMBTU (025)
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions: (previously addressed in air constuction permit)
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: NOX

Pollutant Description: Nitrogen Oxides
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT
Primary Control Device: ~~LOW-NOX BURNERS~~
Secondary Control Device: LOW NOX BURNERS
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units: LB/MMBTU (025)
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions: (previously addressed in air constuction permit)
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: PM

Pollutant Description: Particulate Matter - Total
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code:
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:

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

Pollutant Code: PM10
Pollutant Description: Particulate Matter - PM10
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions: (previously addressed in air constuction permit)
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: SO2
Pollutant Description: Sulfur Dioxide
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:

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

Pollutant Code: VOC
Pollutant Description: Volatile Organic Compounds
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: WP - POLLUTANT REGULATED UNDER WORK PRACTICE STANDARD ONLY
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code: 2 - CALCULATED BY USE OF MATERIAL BALANCE AND KNOWLEDGE OF THE PROCESS.
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions: (previously addressed in air constuction permit)
Potential, Fugitive, and Actual Emissions Comment:

EU 007: POLLUTANT ALLOWABLE EMISSIONS INFORMATION

Pollutant Code: VOC
Pollutant Description: Volatile Organic Compounds
Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS
Future Effective Date of Allowable Emissions:
Allowable Emissions:
Allowable Emissions Unit: OTHER (SPECIFY IN COMMENT) (99)
Equivalent Allowable Emissions:
Method of Compliance:
Comment/Description of Operating Method: This pollutant is not limited; estimated only.(previously addressed in air constuction permit)

EU 007: VISIBLE EMISSIONS INFORMATION

Visible Emissions Subtype: VE20
Basis for Allowable Opacity: RULE
Requested Allowable Opacity in Normal Conditions: 20 %
Requested Allowable Opacity in Exceptional Conditions:
Maximum Period of Excess Opacity Allowed:
Compliance Test Method(s): EPA METHOD 9
Visible Emissions Comment:

EU 007: CONTINUOUS MONITOR INFORMATION

Parameter Code: EM - EMISSION
Pollutant(s) Monitored: NOX - Nitrogen Oxides
CMS Requirement: RULE
Monitor Manufacturer: THERMO ELECTRON
Model Number: 42I-HL
Serial Number: TBD
Installation Date:
Performance Specification Test Date:
Status: ACTIVE
Continuous Monitor Comment: NSPS Sub Db

Parameter Code: EM - EMISSION
Pollutant(s) Monitored: CO - Carbon Monoxide
CMS Requirement: RULE
Monitor Manufacturer: SIEMENS
Model Number: ULTRAMAT 6
Serial Number: TBD
Installation Date:
Performance Specification Test Date:
Status: ACTIVE
Continuous Monitor Comment: CO Monitoring Required as per 40 CFR 63 Subpart DDDDD

Parameter Code: O2 - Oxygen
CMS Requirement: RULE
Monitor Manufacturer: SIEMENS
Model Number: OXYMAT 6
Serial Number: TBD
Installation Date:
Performance Specification Test Date:
Status: ACTIVE
Continuous Monitor Comment: 40 CFR 63 Subpart DDDDD requirement

Parameter Code: OTHER - Explain in comment field
CMS Requirement:
Monitor Manufacturer:

Model Number:
Serial Number:
Installation Date:
Performance Specification Test Date:
Status: INACTIVE
Continuous Monitor Comment:

| EU 007: ADDITIONAL ITEMS | | |
|--|--------------------|--------------------|
| Description | Applicable? | Attachment? |
| PROCESS FLOW DIAGRAM Previously submitted? YES Submittal Date: | Yes | Yes |
| FUEL ANALYSIS OR SPECIFICATION Previously submitted? YES Submittal Date: | Yes | Yes |
| DETAILED DESCRIPTION OF CONTROL EQUIPMENT Previously submitted? YES Submittal Date: | Yes | Yes |
| DESCRIPTION OF STACK SAMPLING FACILITIES | No | No |
| PROCEDURES FOR STARTUP AND SHUTDOWN Previously submitted? YES Submittal Date: | No | No |
| OPERATION AND MAINTENANCE PLAN Previously submitted? NO Submittal Date: | No | No |
| COMPLIANCE DEMONSTRATION REPORTS/RECORDS Previously submitted? NO Submittal Date: Previously Submitted Test Date(s)/Pollutants Tested: To Be submitted? YES Submittal Date: 8/15/2007 To Be Submitted Test Date(s)/Pollutants Tested: VE, NOx, CO, VOC | No | No |
| OTHER INFORMATION REQUIRED BY RULE OR STATUTE | No | No |
| IDENTIFICATION OF APPLICABLE REQUIREMENTS | No | No |
| COMPLIANCE ASSURANCE MONITORING PLAN | No | No |
| ALTERNATIVE METHODS OF OPERATION | No | No |
| ACID RAIN PART (FORM NO. 62-210.900(1)(a)) Previously submitted? NO Submittal Date: | No | No |
| CONTROL TECHNOLOGY REVIEW AND ANALYSIS (RULES 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)) | No | No |
| GOOD ENGINEERING PRACTICE STACK HEIGHT ANALYSIS (RULE 62-212.400(4)(d), F.A.C., and RULE 62-212.500(4)(f), F.A.C.) | No | No |
| ALTERNATIVE MODES OF OPERATION (EMISSIONS TRADING) | No | No |
| REPOWERING EXTENSION PLAN (FORM NO. 62-210.900(1)(a)1.) Previously submitted? NO Submittal Date: | No | No |
| NEW UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)2.) Previously submitted? NO Submittal Date: | No | No |
| RETIRED UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)3.) Previously submitted? NO Submittal Date: | No | No |
| PHASE II NOx COMPLIANCE PLAN (FORM NO. 62-210.900(1)(a)4.) Previously submitted? NO Submittal Date: | No | No |
| PHASE II NOx AVERAGING PLAN (FORM NO. 62-210.900(1)(a)5.) Previously submitted? NO Submittal Date: | No | No |
| CERTIFICATE OF REPRESENTATION (EPA FORM NO. 7610-1) | No | No |
| OTHER EMISSIONS UNIT INFORMATION | No | No |
| EU Additional Items Comment: | | |

EU 007: ATTACHMENTS

| Electronic? | Date |
|--------------------|-------------|
|--------------------|-------------|

| Description | | Attachment Description | Electronic File Name | Uploa |
|---|-----|---------------------------------------|---|--------|
| DETAILED DESCRIPTION OF CONTROL EQUIPMENT | Yes | INDIANTOWN_CONTROL EQUIPMENT REV1.DOC | L__work_26109_PROJ_Title V files_Revisions_indiantown_control_equipmentrev1.doc | 4/16/2 |
| FUEL ANALYSIS OR SPECIFICATION | Yes | INDIANTOWN_FUEL_SPEC REV1.DOC | L__work_26109_PROJ_Title V files_Revisions_indiantown_fuel_specrev1.doc | 4/16/2 |
| PROCESS FLOW DIAGRAM | Yes | PROCESS_FLOW REV1.PPT | L__work_26109_PROJ_Title V files_Revisions_process_flow rev1.ppt | 4/16/2 |

*** End of Application for Air Permit - Long Form ***
 Printed on 4/16/2007