Department of
Environmental Protection
Division of Air Resource Management

SUBMITTED APPLICATION REPORT
APPLICATION FOR AIR PERMIT - LONG FORM

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

Application Number: 1542- 1
Application Name: RELIANT-OSCEOLA TITLE V RENEWAL
Date Submitted: 02 July 2007

I. APPLICATION INFORMATION

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

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

Air Operation Permit - Use this form to apply for:

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

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

To ensure accuracy, please see form instructions.

Identification of Facility

1.	Facility Owner/Company Name: RELIANT ENERGY FLORIDA, LLC	
2.	Site Name: RELIANT ENERGY OSCEOLA	
3.	Facility Identification Number: 0970071	
4.	Facility Location...	
	Street Address or Other Locator:	5000 feet south of the intersection of US 192 and US 441 5200 HOLOPAW ROAD
	City: SAINT CLOUD	County: OSCEOLA Zip Code: 34773
5.	Relocatable Facility? ☐ Yes ☑ No	6. Existing Title V Permitted Facility ☑ Yes ☐ No

Application Contact

1. Application Contact Name: JOSEPH ARAIZA	Application Contact Job Title: Senior Air Quality Engineer
2. Application Contact Mailing Address... Organization/Firm: AIR RESOURCES DIV. RELIANT ENERGY Street Address: P.O. BOX 148 City: HOUSTON State: TX Zip Code: 77001-0148	
3. Application Contact Telephone Numbers... Telephone: (713) 488-7167 ext.	Fax: (713) 488-7598
4. Application Contact Email Address: JAraiza@reliant.com	

Purpose of Application

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

Air Construction Permit

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

Air Operation Permit

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

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

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

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

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

Application Comment

Application for renewal of Initial Title V permit

Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type
3	170 MW Simple Cycle Combustion Turbine	AV05
1	170 MW Simple Cycle Combustion Turbine	AV05
2	170 MW Simple Cycle Combustion Turbine	AV05
5	Pipeline natural gas heaters (2)	AV05

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

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

1.	Owner/Authorized Representative Name: TERRY GISH Owner/Authorized Representative Job Title: Managing Director, SE Operations
2.	Owner/Authorized Representative Mailing Address... Organization/Firm: RELIANT ENERGY INDIAN RIVER Street Address: 7800 SOUTH US HWY 1 City: TITUSVILLE State: FL Zip Code: 32780
3.	Owner/Authorized Representative Telephone Numbers... Telephone: (321) 264-4584 ext. Fax:
4.	Owner/Authorized Representative Email Address: ADEESE@RELIANT.COM
5.	Owner/Authorized Representative Statement:

Application Responsible Official Certification

1. Application Responsible Official Name:
   TERRY GISH

2. Application Responsible Official Qualification (Check one or more of the following options, as applicable):
   - ☐ 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.
   - ☐ For a partnership or sole proprietorship, a general partner or the proprietor, respectively.
   - ☐ For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official.
   - ☐ The designated representative at an Acid Rain source.

3. Application Responsible Official Mailing Address...
   Organization/Firm: RELIANT ENERGY INDIAN RIVER
   Street Address: 7800 SOUTH US HWY 1
   City: TITUSVILLE State: FL Zip Code: 32780

4. Application Responsible Official Telephone Numbers...
   Telephone: (321)264-4584 ext. Fax:

5. Application Responsible Official Email Address: ADEESE@RELIANT.COM

6. Application Responsible Official Certification:
   By entering my PIN below, I certify that I am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.

Professional Engineer Certification

1. Professional Engineer Name: JOE ARAIZA
   Registration Number: 62268
   Professional Engineer Job Title: Senior Air Quality Engineer

2. Professional Engineer Mailing Address...
   Organization/Firm: RELIANT ENERGY
   Street Address: P.O. BOX 148
   City: HOUSTON State: TX Zip Code: 77001-0148

3. Professional Engineer Telephone Numbers...
   Telephone: (713) 488-7167 ext. Fax:

4. Professional Engineer Email Address: JARAIZA@RELIANT.COM

5. Professional Engineer Statement:

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

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

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

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

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

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

* Explain any exception to the certification statement.

Professional Engineer Exception Statement:

II. FACILITY INFORMATION
A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates... Zone 17 East (km) 490.43 North (km) 3111.31		2. Facility Latitude/Longitude... Latitude (DD/MM/SS) 28° 7` 44" N Longitude (DD/MM/SS) 81° 5` 55" W	
3. Governmental Facility Code: (0) NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT	4. Facility Status Code: Active	5. Facility Major Group SIC Code: (49) ELECTRIC, GAS AND SANITARY SERVICES	6. Facility SIC(s): Primary: 4911
7. Facility Comment: ISSUED FINAL PERMIT 12-28-99			

Facility Contact

1.	Facility Contact Name: AMY DEESE	Facility Contact Job Title: Environmental Engineer
2.	Facility Contact Mailing Address... Organization/Firm: RELIANT ENERGY FLORIDA, L.L.C Street Address: 7800 US HIGHWAY 1 , SOUTH City: TITUSVILLE State: FL Zip Code: 32780	
3.	Facility Contact Telephone Numbers... Telephone: (321) 267-2155 ext. Fax: (321) 385-4685	
4.	Facility Contact Email Address: adeese@reliant.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: TERRY GISH	Facility Primary Responsible Official Job Title: Managing Director, SE Operations
2.	Facility Primary Responsible Official Mailing Address... Organization/Firm: RELIANT ENERGY INDIAN RIVER Street Address: 7800 SOUTH US HWY 1 City: TITUSVILLE State: FL Zip Code: 32780	
3.	Facility Primary Responsible Official Telephone Numbers... Telephone: (321) 264-4584 ext. Fax:	
4.	Facility Primary Responsible Official Email Address: ADEESE@RELIANT.COM	

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

1.	☐ Small Business Stationary Source	☐ Unknown
2.	☐ Synthetic Non-Title V Source	
3.	☑ Title V Source	
4.	☑ Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)	
5.	☐ Synthetic Minor Source of Air Pollutants, Other than HAPs	
6.	☐ Major Source of Hazardous Air Pollutants (HAPs)	
7.	☐ Synthetic Minor Source of HAPs	
8.	☑ One or More Emissions Units Subject to NSPS (40 CFR Part 60)	
9.	☐ One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10.	☐ One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)	
11.	☐ Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12.	Facility Regulatory Classifications Comment: The facility requests the designation of major source of HAPS be removed from its new Title V permit.	

List of Pollutants Emitted by Facility

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

B. Emissions Caps

Facility-Wide or Multi-Unit Emissions Caps

1. Pollutant Subject to Emissions Cap	2. Facility Wide Cap [Y or N]? (all units)	3. Emissions Unit ID No.s Under Cap (if not all units)	4. Hourly Cap (lb/hr)	5. Annual Cap (ton/yr)	6. Basis for Emissions Cap
CO	No	1,2,3	70		OTHER
PB	No	No EUs included in the cap			
PM	No	No EUs included in the cap			RULE
NOX	No	No EUs included in the cap			
SAM	No	No EUs included in the cap			
SO2	No	No EUs included in the cap			RULE
VOC	No	No EUs included in the cap			RULE
PM10	No	No EUs included in the cap			RULE

7. Facility-Wide or Multi-Unit Emissions Cap Comment:

CO: PSD-Fl-273; 70 lbs/hour for Oil and 36.2 lbs/hour for gas
PB: This pollutant needs to be removed form the regulated pollutant list for this facility.
PM: PSD-Fl-273; 18 lbs/hour for Gas and 34 lbs/hour for oil
NOX: PSD-Fl-273; 60 lbs/hour for Gas and 323 lbs/hour for oil
SAM: This pollutant needs to be removed from the list of regulated pollutants for this facility.
SO2: PSD-FL-273; 1.1 lbs/hour on gas and 104.3 lbs/hour on oil
VOC: PSD-Fl-273; 3.0 lbs/hour for Gas and 8.0 lbs/hour for oil
PM10: PSD-Fl-273; 18 lbs/hour for Gas and 34 lbs/hour for oil

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)	
☐ Applicable	☑ Previously Submitted, Date: 08-APR-04 ☐ Attachment
2. Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)	
☐ Applicable	☑ Previously Submitted, Date: 08-APR-04 ☐ Attachment
3. Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)	
☐ Applicable	☑ Previously Submitted, Date: 08-APR-04 ☐ Attachment

Additional Requirements for Air Construction Permit Applications

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

Additional Requirements for FESOP Applications

1. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.): (Not applicable if no exempt units at facility)
   ☐ Applicable ☐ Attachment

Additional Requirements for Title V Air Operation Permit Applications

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

Other Information Regarding this Facility:

4. Other Facility Information:
   ☐ Included ☐ Attachment

Additional Requirements Comment

Facility_Attachments

Supplemental Item	Electronic File Name	Attachment Description	Electronic Document	Date Uploaded
List of Insignificant Activities	LIST OF INSIGNIFICAN ACTIVITIES.doc	LIST OF INSIGNIFICANT ACTIVITIES	Yes	07/02/2007
Identification of Applicable Requirements	INDENTIFICATION OF APPLICABLE REQUIREMENTS.doc	IDENTIFICATION OF APPLICABLE REGS	Yes	07/02/2007
Compliance Report and Plan	COMPLIANCE ASSURANCE MONITORING PLAN.doc	CAM PLAN	Yes	07/02/2007
Requested Changes to Current Title V Air Operation Permit	cover letter.pdf	Cover letter	Yes	07/02/2007

III. EMISSIONS UNIT INFORMATION
A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

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

Emissions Unit Description and Status

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

2. Description of Emissions Unit Addressed in this Section:
   170 MW Simple Cycle Combustion Turbine

3. Emissions Unit Identification Number: 1

4. Emissions Unit Status Code:	5. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code:	8. Acid Rain Unit?
A		15-OCT-01	49	☑ Yes ☐ No

9. Package Unit Manufacturer: GENERAL ELECTRIC Model Number: PG7241(FA)

10. Generator Nameplate Rating: 170 MW

11. Emissions Unit Comment:

Emissions Unit Control Equipment

Code	Equipment	Description
25	STAGED COMBUSTION	Low NOx Burner Technology While Burning Natural Gas
28	STEAM OR WATER INJECTION	Water Injection System While Burning Fuel Oil

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: 1709.2 million Btu/hr		
4.	Maximum Incineration Rate:	pounds/hr tons/day	
5.	Requested Maximum Operating Schedule:		
		24 hours/day	7 days/week
		52 weeks/year	3000 hours/year
6.	Operating Capacity/Schedule Comment: Fuel Specific Maximum Heat Input Rates: Natural Gas Firing @ 19F, 100% load = 1709.2 MBtu/hr (LHV) Fuel Oil Firing @ 19F, 100% load = 1,942.4 MBtu/hr (LHV)		

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: UNIT 1 STACK	2. Emission Point Type Code: 1 - A single emission point serving a single emissions unit	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:		
5. Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	6. Stack Height: 75 feet	7. Exit Diameter: 18 feet
8. Exit Temperature: 1084° F	9. Actual Volumetric Flow Rate: 2465928 acfm	10. Water Vapor: 11.27 %
11. Maximum Dry Standard Flow Rate: dscfm	12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: 17 East (km): 491.281 North (km): 3112.785	14. Emission Point Latitude/Longitude... Latitude: 28° 8' 32" N Longitude: 81° 5' 23" W	
15. Emission Point Comment: Parameters are at ambient conditions of 19deg F, 60% relative humidity, 100% load and 14.7psi pressure of NG.		

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type): While burning No. 2 distillate fuel oil.		
2. Source Classification Code (SCC): 20100101	3. SCC Units: 1000 Gallons Distillate Oil (Diesel) Burned	
4. Maximum Hourly Rate: 15.056	5. Maximum Annual Rate: 30111	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 129
10. Segment Comment: Maximum hours of operation is 750 hours per year. Also, amount of fuel oil burned shall not exceed the amount of natural gas burned in term of BTU during any consecutive 12-month period.		
Is this a valid segment? Yes		

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type): While burning natural gas.		
2. Source Classification Code (SCC): 20100201	3. SCC Units: Million Cubic Feet Natural Gas Burned	
4. Maximum Hourly Rate: 1.804	5. Maximum Annual Rate: 5411.84	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 947
10. Segment Comment: Maximum operating hours is 3,000 hours per year. Fuel heat content is lower heating value(LHV).		
Is this a valid segment? Yes		

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
CO	STAGED COMBUSTION	STEAM OR WATER INJECTION	EL	Yes
NOX	STAGED COMBUSTION	STEAM OR WATER INJECTION	EL	Yes
PB			NS	No
PM			EL	Yes
PM10			EL	Yes
SAM			EL	No
SO2			EL	Yes
VOC			EL	Yes

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: CO - Carbon Monoxide	2. Total Percent Efficiency of Control:
3. Potential Emissions: 70 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 20 PPMVD Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 20 PARTS PER MILLION DRY GAS VOLUME	4. Equivalent Allowable Emissions: 70 lb/hour 26.25 tons/year
5. Method of Compliance: Stack Test	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 10.5 PARTS PER MILLION DRY GAS VOLUME	4. Equivalent Allowable Emissions: 36.2 lb/hour 54.3 tons/year
5. Method of Compliance: Stack Test	
6. Allowable Emissions Comment (Description of Operating Method): NG burning.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: NOX - Nitrogen Oxides	2. Total Percent Efficiency of Control:
3. Potential Emissions: 323 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 42 PPMVD @ 15% O2 Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 42 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4. Equivalent Allowable Emissions: 323 lb/hour 121.12 tons/year
5. Method of Compliance: Stack Test and CMS	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 10.5 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4. Equivalent Allowable Emissions: 60 lb/hour 90 tons/year
5. Method of Compliance: Stack Test and CMS	
6. Allowable Emissions Comment (Description of Operating Method): NG burning. 9.0 ppmvd @15% O2 on initial stack test.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

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

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

No Pollutant Allowable Emissions information submitted.

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: PM - Particulate Matter - Total	2. Total Percent Efficiency of Control:
3. Potential Emissions: 34 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 34 LB/HR Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 34 POUNDS/HOUR	4. Equivalent Allowable Emissions: 34 lb/hour 12.8 tons/year
5. Method of Compliance: VE shall serve as surrogate for compliance testing.	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 18 POUNDS/HOUR	4. Equivalent Allowable Emissions: 18 lb/hour 27 tons/year
5. Method of Compliance: VE shall serve as surrogate for compliance testing.	
6. Allowable Emissions Comment (Description of Operating Method): NG burning.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: PM10 - Particulate Matter - PM10	2. Total Percent Efficiency of Control:
3. Potential Emissions: 34 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 34 LB/HR Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 34 POUNDS/HOUR	4. Equivalent Allowable Emissions: 34 lb/hour 12.8 tons/year
5. Method of Compliance: VE shall serve as surrogate for compliance testing.	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 18 POUNDS/HOUR	4. Equivalent Allowable Emissions: 18 lb/hour 27 tons/year
5. Method of Compliance: VE shall serve as surrogate for compliance testing.	
6. Allowable Emissions Comment (Description of Operating Method): NG burning.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: SAM - Sulfuric Acid Mist	2. Total Percent Efficiency of Control:
3. Potential Emissions: lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: .05 PERCENT SULFUR IN FUEL Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: OTHER (SPECIFY IN COMMENT)	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: PERCENT SULFUR IN FUEL	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: SO2 - Sulfur Dioxide	2. Total Percent Efficiency of Control:
3. Potential Emissions: 104.3 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: .05 PERCENT SULFUR IN FUEL Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: .05 PERCENT SULFUR IN FUEL	4. Equivalent Allowable Emissions: 104.3 lb/hour 39.11 tons/year
5. Method of Compliance: Fuel Analysis	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 2 OTHER (SPECIFY IN COMMENT)	4. Equivalent Allowable Emissions: 1.1 lb/hour 1.65 tons/year
5. Method of Compliance: Fuel Analysis	
6. Allowable Emissions Comment (Description of Operating Method): NG burning. Unit:grains/100SCF of gas.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: VOC - Volatile Organic Compounds	2. Total Percent Efficiency of Control:
3. Potential Emissions: 8 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 8 LB/HR Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 3.7 OTHER (SPECIFY IN COMMENT)	4. Equivalent Allowable Emissions: 8 lb/hour 3 tons/year
5. Method of Compliance: Initial Stack Test. CO will serve as surrogate,thereafter.	
6. Allowable Emissions Comment (Description of Operating Method): FO burning. Allowable unit is PPMVW.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 1.5 OTHER (SPECIFY IN COMMENT)	4. Equivalent Allowable Emissions: 3 lb/hour 4.5 tons/year
5. Method of Compliance: Initial Stack Test. CO will serve as surrogate,thereafter.	
6. Allowable Emissions Comment (Description of Operating Method): NG burning. Allowable unit is PPMVW.	

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: VE10 - VISIBLE EMISSIONS - 10% NORMAL OPACITY	2. Basis for Allowable Opacity: ☑ Rule ☐ Other
3. Allowable Opacity: Normal Conditions: 20% Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: EPA METHOD 9	
5. Visible Emissions Comment: Also serve as surrogate for PM/PM10 emission.	

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 4

1. Parameter Code: EM - EMISSION	2. Pollutant(s): NOX	
3. CMS Requirement:	☑ Rule	☐ Other
4. Monitor Information... Manufacturer: Model Number:	Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:	
7. Continuous Monitor Comment: Required as a condition of 40 CFR 75.10, Subpart B.		
Status: Active		

Continuous Monitoring System: Continuous Monitor 2 of 4

1. Parameter Code: WTF - Water-to-fuel ratio	2. Pollutant(s):	
3. CMS Requirement:	☐ Rule	☑ Other
4. Monitor Information... Manufacturer: Model Number:	Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:	
7. Continuous Monitor Comment: The NOX CEMS will be used to meet this requirement.		
Status: Inactive		

Continuous Monitoring System: Continuous Monitor 3 of 4

1. Parameter Code: FLOW - Volumetric flow rate	2. Pollutant(s):
3. CMS Requirement: ☐ Rule ☐ Other	
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment: During fuel oil firing, a CM will be used to measure fuel flow.	
Status: Active	

Continuous Monitoring System: Continuous Monitor 4 of 4

1. Parameter Code: O2 - Oxygen	2. Pollutant(s):
3. CMS Requirement: ☐ Rule ☐ Other	
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment: CM will be installed to measure either the O2 concentration or the CO2 concentration.	
Status: Active	

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Applicable ☑ Previously Submitted, Date: 29-MAR-02 ☐ Attachment

2. Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Applicable ☑ Previously Submitted, Date: 29-MAR-02 ☐ Attachment

3. Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Applicable ☐ Previously Submitted, Date: ☐ Attachment

4. Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Applicable ☑ Previously Submitted, Date: 29-MAR-02 ☐ Attachment

5. Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Applicable ☑ Previously Submitted, Date: 29-MAR-02 ☐ Attachment

6. Compliance Demonstration Reports/Records
   ☐ Applicable ☐ Previously Submitted, Date: ☐ Attachment
   ☐ To Be Submitted, Date (if known):

   Previously Submitted Test Date(s)/Pollutants Tested:

   To be Submitted Test Date(s)/Pollutants Tested:

   Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.

7. Other Information Required by Rule or Statute
   ☐ Applicable ☐ Attachment

Additional Requirements for Title V Air Operation Permit Applications

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

Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))	
☐ Applicable	☐ Attachment
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A.C., and Rule 62-212.500(4)(f), F.A.C.)	
☐ Applicable	☐ Attachment
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only)	
☐ Applicable	☐ Attachment

Other Information Regarding this Emissions Unit

1. Other Emissions Unit Information	
☐ Applicable	☐ Attachment
Note: Provide any other information related to the emissions unit addressed in this Emissions Unit Information Section that is not elsewhere provided in the application, not otherwise required and that you, the applicant, believe may be helpful.	

Additional Requirements Comment

III. EMISSIONS UNIT INFORMATION
A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

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

Emissions Unit Description and Status

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

2. Description of Emissions Unit Addressed in this Section:
   170 MW Simple Cycle Combustion Turbine

3. Emissions Unit Identification Number: 2

4. Emissions Unit Status Code:	5. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code:	8. Acid Rain Unit?
A		18-OCT-01	49	☑ Yes ☐ No

9. Package Unit Manufacturer: GENERAL ELECTRIC Model Number: PG7241(FA)

10. Generator Nameplate Rating: 170 MW

11. Emissions Unit Comment:

Emissions Unit Control Equipment

Code	Equipment	Description
25	STAGED COMBUSTION	Low NOx Burner Technology While Burning Natural Gas
28	STEAM OR WATER INJECTION	Water Injection System While Burning Fuel Oil

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: 1709 million Btu/hr		
4.	Maximum Incineration Rate:	pounds/hr tons/day	
5.	Requested Maximum Operating Schedule:		
		24 hours/day	7 days/week
		52 weeks/year	3000 hours/year
6.	Operating Capacity/Schedule Comment: Fuel Specific Maximum Heat Input Rates: Natural Gas Firing @ 19F, 100% load = 1709.2 MBtu/hr (LHV) Fuel Oil Firing @ 19F, 100% load = 1,942.4 MBtu/hr (LHV)		

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: UNIT 2 STACK	2. Emission Point Type Code: 1 - A single emission point serving a single emissions unit	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:		
5. Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	6. Stack Height: 75 feet	7. Exit Diameter: 18 feet
8. Exit Temperature: 1084° F	9. Actual Volumetric Flow Rate: 2465928 acfm	10. Water Vapor: 11.27 %
11. Maximum Dry Standard Flow Rate: dscfm	12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: 17 East (km): 491.263 North (km): 3112.753	14. Emission Point Latitude/Longitude... Latitude: 28° 8' 31" N Longitude: 81° 5' 24" W	
15. Emission Point Comment: Parameters are at ambient conditions of 19deg F, 60% relative humidity, 100% load and 14.7psi pressure of NG.		

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type): While burning No. 2 distillate fuel oil.		
2. Source Classification Code (SCC): 20100101	3. SCC Units: 1000 Gallons Distillate Oil (Diesel) Burned	
4. Maximum Hourly Rate: 15.056	5. Maximum Annual Rate: 30111	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 129
10. Segment Comment: Maximum hours of operation is 750 hours per year. Also, amount of fuel oil burned shall not exceed the amount of natural gas burned in term of BTU during any consecutive 12-month period.		
Is this a valid segment? Yes		

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type): While burning natural gas.		
2. Source Classification Code (SCC): 20100201	3. SCC Units: Million Cubic Feet Natural Gas Burned	
4. Maximum Hourly Rate: 1.804	5. Maximum Annual Rate: 5411.84	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 947
10. Segment Comment: Maximum operating hours is 3,000 hours per year. Fuel heat content is lower heating value(LHV).		
Is this a valid segment? Yes		

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
CO			EL	Yes
NOX	STAGED COMBUSTION	STEAM OR WATER INJECTION	EL	Yes
PB			NS	No
PM			EL	Yes
PM10			EL	Yes
SAM			EL	No
SO2			EL	Yes
VOC			EL	Yes

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: CO - Carbon Monoxide	2. Total Percent Efficiency of Control:
3. Potential Emissions: 70 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 20 PPMVD Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 20 PARTS PER MILLION DRY GAS VOLUME	4. Equivalent Allowable Emissions: 70 lb/hour 26.25 tons/year
5. Method of Compliance: Stack Test	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 10.5 PARTS PER MILLION DRY GAS VOLUME	4. Equivalent Allowable Emissions: 36.2 lb/hour 54.3 tons/year
5. Method of Compliance: Stack Test	
6. Allowable Emissions Comment (Description of Operating Method): NG burning.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: NOX - Nitrogen Oxides	2. Total Percent Efficiency of Control:
3. Potential Emissions: 323 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 42 PPMVD @ 15% O2 Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 42 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4. Equivalent Allowable Emissions: 323 lb/hour 121.12 tons/year
5. Method of Compliance: Stack Test and CMS	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 10.5 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4. Equivalent Allowable Emissions: 60 lb/hour 110.25 tons/year
5. Method of Compliance: Stack Test and CMS	
6. Allowable Emissions Comment (Description of Operating Method): NG burning. 9.0 ppmvd @15% O2 on initial stack test.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

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

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

No Pollutant Allowable Emissions information submitted.

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: PM - Particulate Matter - Total	2. Total Percent Efficiency of Control:
3. Potential Emissions: 34 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 34 LB/HR Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 34 POUNDS/HOUR	4. Equivalent Allowable Emissions: 34 lb/hour 12.75 tons/year
5. Method of Compliance: VE shall serve as surrogate for compliance testing.	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 18 POUNDS/HOUR	4. Equivalent Allowable Emissions: 18 lb/hour 27 tons/year
5. Method of Compliance: VE shall serve as surrogate for compliance testing.	
6. Allowable Emissions Comment (Description of Operating Method): NG burning.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: PM10 - Particulate Matter - PM10	2. Total Percent Efficiency of Control:
3. Potential Emissions: 34 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 34 LB/HR Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 34 POUNDS/HOUR	4. Equivalent Allowable Emissions: 34 lb/hour 34 tons/year
5. Method of Compliance: VE shall serve as surrogate for compliance testing.	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 18 POUNDS/HOUR	4. Equivalent Allowable Emissions: 18 lb/hour 27 tons/year
5. Method of Compliance: VE shall serve as surrogate for compliance testing.	
6. Allowable Emissions Comment (Description of Operating Method): NG burning.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: SAM - Sulfuric Acid Mist	2. Total Percent Efficiency of Control:
3. Potential Emissions: lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: .05 PERCENT SULFUR IN FUEL Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: OTHER (SPECIFY IN COMMENT)	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: PERCENT SULFUR IN FUEL	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: SO2 - Sulfur Dioxide	2. Total Percent Efficiency of Control:
3. Potential Emissions: 104.3 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: .05 PERCENT SULFUR IN FUEL Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: .05 PERCENT SULFUR IN FUEL	4. Equivalent Allowable Emissions: 104.3 lb/hour 39.11 tons/year
5. Method of Compliance: Fuel Analysis	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 2 OTHER (SPECIFY IN COMMENT)	4. Equivalent Allowable Emissions: 1.1 lb/hour 1.65 tons/year
5. Method of Compliance: Fuel Analysis	
6. Allowable Emissions Comment (Description of Operating Method): NG burning. Unit:grains/100SCF of gas.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: VOC - Volatile Organic Compounds	2. Total Percent Efficiency of Control:
3. Potential Emissions: 8 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 8 LB/HR Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 3.7 OTHER (SPECIFY IN COMMENT)	4. Equivalent Allowable Emissions: 8 lb/hour 3 tons/year
5. Method of Compliance: Initial Stack Test. CO will serve as surrogate,thereafter.	
6. Allowable Emissions Comment (Description of Operating Method): FO burning. Allowable unit is PPMVW.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 1.5 OTHER (SPECIFY IN COMMENT)	4. Equivalent Allowable Emissions: 3 lb/hour 4.5 tons/year
5. Method of Compliance: Initial Stack Test. CO will serve as surrogate,thereafter.	
6. Allowable Emissions Comment (Description of Operating Method): NG burning. Allowable unit is PPMVW.	

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: VE10 - VISIBLE EMISSIONS - 10% NORMAL OPACITY	2. Basis for Allowable Opacity: ☑ Rule ☐ Other
3. Allowable Opacity: Normal Conditions: 20% Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: EPA METHOD 9	
5. Visible Emissions Comment: Also serve as surrogate for PM/PM10 emission.	

H. CONTINUOUS MONITOR INFORMATION

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

Continuous Monitoring System: Continuous Monitor 1 of 4

1. Parameter Code: EM - EMISSION	2. Pollutant(s): NOX
3. CMS Requirement: ☑ Rule ☐ Other	
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment: Required as a condition of 40 CFR 75.10, Subpart B.	
Status: Active	

Continuous Monitoring System: Continuous Monitor 2 of 4

1. Parameter Code: WTF - Water-to-fuel ratio	2. Pollutant(s):
3. CMS Requirement: ☐ Rule ☑ Other	
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment: The NOX CEMS will be used to meet this requirement.	
Status: Inactive	

Continuous Monitoring System: Continuous Monitor 3 of 4

1. Parameter Code: FLOW - Volumetric flow rate	2. Pollutant(s):	
3. CMS Requirement:	☐ Rule	☑ Other
4. Monitor Information... Manufacturer: Model Number:	Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:	
7. Continuous Monitor Comment: During fuel oil firing, a CM will be used to measure fuel flow.		
Status: Active		

Continuous Monitoring System: Continuous Monitor 4 of 4

1. Parameter Code: O2 - Oxygen	2. Pollutant(s):	
3. CMS Requirement:	☑ Rule	☐ Other
4. Monitor Information... Manufacturer: Model Number:	Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:	
7. Continuous Monitor Comment: CM will be installed to measure either the O2 concentration or the CO2 concentration.		
Status: Active		

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Applicable ☑ Previously Submitted, Date: 29-MAR-02 ☐ Attachment

2. Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Applicable ☑ Previously Submitted, Date: 29-MAR-02 ☐ Attachment

3. Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Applicable ☐ Previously Submitted, Date: ☐ Attachment

4. Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Applicable ☑ Previously Submitted, Date: 29-MAR-02 ☐ Attachment

5. Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Applicable ☑ Previously Submitted, Date: 29-MAR-02 ☐ Attachment

6. Compliance Demonstration Reports/Records
   ☐ Applicable ☐ Previously Submitted, Date: ☐ Attachment
   ☐ To Be Submitted, Date (if known):

   Previously Submitted Test Date(s)/Pollutants Tested:

   To be Submitted Test Date(s)/Pollutants Tested:

   Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.

7. Other Information Required by Rule or Statute
   ☐ Applicable ☐ Attachment

Additional Requirements for Title V Air Operation Permit Applications

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

Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))	
☐ Applicable	☐ Attachment
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A.C., and Rule 62-212.500(4)(f), F.A.C.)	
☐ Applicable	☐ Attachment
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only)	
☐ Applicable	☐ Attachment

Other Information Regarding this Emissions Unit

1. Other Emissions Unit Information	
☐ Applicable	☐ Attachment
Note: Provide any other information related to the emissions unit addressed in this Emissions Unit Information Section that is not elsewhere provided in the application, not otherwise required and that you, the applicant, believe may be helpful.	

Additional Requirements Comment

III. EMISSIONS UNIT INFORMATION
A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

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

Emissions Unit Description and Status

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

2. Description of Emissions Unit Addressed in this Section:
   170 MW Simple Cycle Combustion Turbine

3. Emissions Unit Identification Number: 3

4. Emissions Unit Status Code:	5. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code:	8. Acid Rain Unit?
A		15-JUN-02	49	☑ Yes ☐ No

9. Package Unit Manufacturer: GENERAL ELECTRIC Model Number: PG7241(FA)

10. Generator Nameplate Rating: 170 MW

11. Emissions Unit Comment:

Emissions_Unit_Control_Equipment

Code	Equipment	Description
25	STAGED COMBUSTION	Low NOx Burner Technology While Burning Natural Gas
28	STEAM OR WATER INJECTION	Water Injection System While Burning Fuel Oil

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: 1709 million Btu/hr
4.	Maximum Incineration Rate: pounds/hr tons/day
5.	Requested Maximum Operating Schedule: 24 hours/day 7 days/week 52 weeks/year 3000 hours/year
6.	Operating Capacity/Schedule Comment: Fuel Specific Maximum Heat Input Rates: Natural Gas Firing @ 19F, 100% load = 1709.2 MBtu/hr (LHV) Fuel Oil Firing @ 19F, 100% load = 1,942.4 MBtu/hr (LHV)

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: UNIT 3 STACK	2. Emission Point Type Code: 1 - A single emission point serving a single emissions unit	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:		
5. Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	6. Stack Height: 75 feet	7. Exit Diameter: 18 feet
8. Exit Temperature: 1084° F	9. Actual Volumetric Flow Rate: 2465928 acfm	10. Water Vapor: 11.27 %
11. Maximum Dry Standard Flow Rate: dscfm	12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: 17 East (km): 491.245 North (km): 3112.721	14. Emission Point Latitude/Longitude... Latitude: 28° 8' 30" N Longitude: 81° 5' 24" W	
15. Emission Point Comment: Parameters are at ambient conditions of 19deg F, 60% relative humidity, 100% load and 14.7psi pressure of NG.		

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type): While burning No. 2 distillate fuel oil.		
2. Source Classification Code (SCC): 20100101	3. SCC Units: 1000 Gallons Distillate Oil (Diesel) Burned	
4. Maximum Hourly Rate: 15.056	5. Maximum Annual Rate: 30111	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 129
10. Segment Comment: Maximum hours of operation is 750 hours per year. Also, amount of fuel oil burned shall not exceed the amount of natural gas burned in term of BTU during any consecutive 12-month period.		
Is this a valid segment? Yes		

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type): While burning natural gas.		
2. Source Classification Code (SCC): 20100201	3. SCC Units: Million Cubic Feet Natural Gas Burned	
4. Maximum Hourly Rate: 1.804	5. Maximum Annual Rate: 5411.84	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 947
10. Segment Comment: Maximum operating hours is 3,000 hours per year. Fuel heat content is lower heating value(LHV).		
Is this a valid segment? Yes		

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
CO			EL	Yes
NOX	STAGED COMBUSTION	STEAM OR WATER INJECTION	EL	Yes
PB			NS	No
PM			EL	Yes
PM10			EL	Yes
SAM			EL	No
SO2			EL	Yes
VOC			EL	Yes

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: CO - Carbon Monoxide	2. Total Percent Efficiency of Control:
3. Potential Emissions: 70 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 20 PPMVD Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 20 PARTS PER MILLION DRY GAS VOLUME	4. Equivalent Allowable Emissions: 70 lb/hour 26.25 tons/year
5. Method of Compliance: Stack Test	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 10.5 PARTS PER MILLION DRY GAS VOLUME	4. Equivalent Allowable Emissions: 36.2 lb/hour 54.3 tons/year
5. Method of Compliance: Stack Test	
6. Allowable Emissions Comment (Description of Operating Method): NG burning.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: NOX - Nitrogen Oxides	2. Total Percent Efficiency of Control:
3. Potential Emissions: 323 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 42 PPMVD @ 15% O2 Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 42 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4. Equivalent Allowable Emissions: 323 lb/hour 121.12 tons/year
5. Method of Compliance: Stack Test and CMS	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 10.5 PARTS PER MILLION DRY GAS VOLUME @ 15% O2	4. Equivalent Allowable Emissions: 60 lb/hour 90 tons/year
5. Method of Compliance: Stack Test and CMS	
6. Allowable Emissions Comment (Description of Operating Method): NG burning. 9.0 ppmvd @15% O2 on initial stack test.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

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

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

No Pollutant Allowable Emissions information submitted.

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: PM - Particulate Matter - Total	2. Total Percent Efficiency of Control:
3. Potential Emissions: 34 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 34 LB/HR Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 34 POUNDS/HOUR	4. Equivalent Allowable Emissions: 34 lb/hour 12.75 tons/year
5. Method of Compliance: VE shall serve as surrogate for compliance testing.	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 18 POUNDS/HOUR	4. Equivalent Allowable Emissions: 18 lb/hour 27 tons/year
5. Method of Compliance: VE shall serve as surrogate for compliance testing.	
6. Allowable Emissions Comment (Description of Operating Method): NG burning.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: PM10 - Particulate Matter - PM10	2. Total Percent Efficiency of Control:
3. Potential Emissions: 34 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 34 LB/HR Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 34 POUNDS/HOUR	4. Equivalent Allowable Emissions: 34 lb/hour 12.75 tons/year
5. Method of Compliance: VE shall serve as surrogate for compliance testing.	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 18 POUNDS/HOUR	4. Equivalent Allowable Emissions: 18 lb/hour 27 tons/year
5. Method of Compliance: VE shall serve as surrogate for compliance testing.	
6. Allowable Emissions Comment (Description of Operating Method): NG burning.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: SAM - Sulfuric Acid Mist	2. Total Percent Efficiency of Control:
3. Potential Emissions: lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: .05 PERCENT SULFUR IN FUEL Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

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

Allowable Emissions Allowable Emissions 2 of 2

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

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: SO2 - Sulfur Dioxide	2. Total Percent Efficiency of Control:
3. Potential Emissions: 104.3 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: .05 PERCENT SULFUR IN FUEL Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: .05 PERCENT SULFUR IN FUEL	4. Equivalent Allowable Emissions: 104.3 lb/hour 39.11 tons/year
5. Method of Compliance: Fuel Analysis	
6. Allowable Emissions Comment (Description of Operating Method): FO burning.	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 2 OTHER (SPECIFY IN COMMENT)	4. Equivalent Allowable Emissions: 1.1 lb/hour 1.65 tons/year
5. Method of Compliance: Fuel Analysis	
6. Allowable Emissions Comment (Description of Operating Method): NG burning. Unit:grains/100SCF of gas.	

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

(Optional for unregulated emissions units.)

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

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

1. Pollutant Emitted: VOC - Volatile Organic Compounds	2. Total Percent Efficiency of Control:
3. Potential Emissions: 8 lb/hour tons/year	4. Synthetically Limited? ☐ Yes ☑ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 8 LB/HR Reference: PERMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Pollutant Potential,Fugitive, and Actual Emissions Comment: TPY calculation based on firing 2250 hrs/yr for NG and 750 hrs/yr for FO.	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

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

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	