Florida Power & Light Company, P. O. Box 430, Fort Myers, FL 33902

FPL

August 14, 2003

RECEIVED

AUG 20 2003

BUREAU OF AIR REGULATION

Scott M. Sheplak, P.E.
Bureau of Air Regulation
State of Florida
Department of Environmental Protection
2600 Blair Stone Road
Mail Station #5505
Tallahassee, FL 32399-2400

Re: Request to Revise Ft. Myers Title V Permit 0710002-012-AV to Incorporate Simple-Cycle Peaking Units 3A and 3B

Dear Mr. Sheplak,

FPL has completed construction, initial operation, and compliance testing of the newly installed simple-cycle peaking units 3A & 3B at the Ft. Myers Plant consistent with the terms of Air Construction Permit 0710002-013-AC. FPL desires to revise the existing Title V permit 0710002-012-AV to include the Simple-Cycle units 3A & 3B.

Enclosed are the R.O. page, P.E. page, and various other pages describing the simple-cycle units [Refer Attachment No. 1]. Since units 3A & 3B are identical, the unit specific information contained in Section III pertains to each unit and is submitted only once, rather than create a duplicate submission. The notifications of Commercial Operation, Performance/Emission testing results and CEM Certification were previously provided to the Department under separate cover.

While the Title V permit is open for the inclusion of the simple-cycle units, FPL requests a change to the language of existing Specific Condition C.9. on page 17 of the permit which applies to Combined-Cycle Units 2A-2F as follows:

- From: *C.9. Nitrogen Oxides – CTs. The concentration of NOx concentrations in the exhaust gas of each CT shall not exceed 9 ppmvd at 15% O_2 on a 30-day rolling average basis as measured by the CEMS (maintained in accordance with 40 CFR 75). Based on CEMS data at the end of each operating day, a new 30-day average rate is calculated from the arithmetic average of all valid hourly emission rates during the previous 30 operating days. In addition, NOx emissions calculated as NO_2 (at ISO conditions) shall exceed neither 9 ppm @ 15% O_2 nor 65 lb/hr.*

- To: C.9. Nitrogen Oxides – CTs. The concentration of NOx concentrations in the exhaust gas of each CT shall not exceed 9 ppmvd at 15% O_2 on a 30-day rolling average basis as measured by the CEMS (maintained in accordance with 40 CFR 75). Based on CEMS data at the end of each operating day, a new 30-day average rate is calculated from the arithmetic average of all valid hourly emission rates during the previous 30 operating days. In addition, NOx emissions calculated as NO2 (at ISO conditions) shall not exceed 9 ppm @ 15% O_2 nor 65 lb/hr (initial compliance test only).

The 65 lb/hr was applicable only to the initial compliance test as outlined in the Air Construction permit. Its reference, carried over in the Title V permit without clarification, has lead to confusion concerning an hourly NOx limit rather than the 30-day rolling average [Refer Attachment No. 2], and therefore, FPL requests it be clarified in Specific Condition C.9. to avoid the potential for future confusion. In addition, FPL requests that the references to the lb/hr limits be clarified in Table 1-1 Summary of Air Pollutant Standards and Terms as pertaining to the initial compliance test only.

Thank you for your assistance in this matter, and, if you should have any questions, please do not hesitate to contact me at (941) 631-4200, or Kevin Washington at (561) 691-2877.

Very Truly yours,

William Reichel
Plant General Manager – Ft. Myers Plant
Florida Power and Light Company

Attachments: 2

Permit Revision Application
(Permit Revision
No. 0710002-015-AV)

Department of Environmental Protection

Division of Air Resources Management

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BUREAU OF AIR REGULATION

APPLICATION FOR AIR PERMIT - TITLE V SOURCE

See Instructions for Form No. 62-210.900(1)

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name: **Florida Power and Light Company**	
2. Site Name: **Fort Myers Plant**	
3. Facility Identification Number: **0710002**	[ ] Unknown
4. Facility Location: Street Address or Other Locator: **10650 State Road 80** City: **Fort Myers** County: **Lee** Zip Code: **33905**	
5. Relocatable Facility? [ ] Yes [X] No	6. Existing Permitted Facility? [X] Yes [ ] No

Application Contact

1. Name and Title of Application Contact: **Kevin Washington, Senior Environmental Specialist**			
2. Application Contact Mailing Address: Organization/Firm: **Florida Power and Light Company** Street Address: **700 Universe Blvd.** City: **Juno Beach**	State: **FL**	Zip Code: **33408**	
3. Application Contact Telephone Numbers: Telephone: (**561**) **691 - 2877**	Fax: (**561**) **691 - 7049**		

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

Purpose of Application

Air Operation Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

[ ] Initial Title V air operation permit for an existing facility which is classified as a Title V source.

[ ] Initial Title V air operation permit for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number:_____

[X] Title V air operation permit revision to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number:_0710002-013- AC_____

Operation permit number to be revised: 0710002-012 AV_____

[ ] Title V air operation permit revision or administrative correction to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. (Also check Air Construction Permit Application below.)

Operation permit number to be revised/corrected:_____

[ ] Title V air operation permit revision for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit number to be revised:_____

Reason for revision:_____

Air Construction Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

[ ] Air construction permit to construct or modify one or more emissions units.

[ ] Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

[ ] Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official:
   William Reichel, Plant General Manager
2. Owner/Authorized Representative or Responsible Official Mailing Address:
   Organization/Firm: **Florida Power and Light Company, Fort Myers Plant**
   Street Address: **P.O. Box 430**
   City: **Fort Myers** State: **FL** Zip Code: **33905**
3. Owner/Authorized Representative or Responsible Official Telephone Numbers:
   Telephone: **(941) 693 - 4200** Fax: **(941) 693 - 4333**
4. Owner/Authorized Representative or Responsible Official Statement:

   I, the undersigned, am the owner or authorized representative(check here [ ], if so) or the responsible official (check here [X], if so) of the Title V source addressed in this application, whichever is applicable. 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. 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 any permitted emissions unit.*

   Signature _____ Date 8/14/03

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: **Kathryn S. Salvador, P.E.**
   Registration Number: **54726**
2. Professional Engineer Mailing Address:
   Organization/Firm: **Florida Power & Light Co.**
   Street Address: **P.O. Box 14000**
   City: **Juno Beach** State: **FL** Zip Code: **33408**
3. Professional Engineer Telephone Numbers:
   Telephone: **(561) 691 - 7054** Fax: **(561) 691 - 7049**

4. Professional Engineer Statement:

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

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

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

If the purpose of this application is to obtain a Title V source 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 schedule is submitted with this application.

If the purpose of this application is to obtain an air construction permit 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.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [X], 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.

Kathryn S Salvador — Signature

08/11/2003 — Date

(seal)

* Attach any exception to certification statement.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: Zone: **17** East (km): **422.3** North (km): **2952.9**			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): **26 / 41 / 49** Longitude (DD/MM/SS): **81 / 46 / 55**			
3. Governmental Facility Code: **0**	4. Facility Status Code: **A**	5. Facility Major Group SIC Code: **49**	6. Facility SIC(s): **4911**
7. Facility Comment (limit to 500 characters): **Project consists of two 170-MW dual-fuel, General Electric Frame 7FA combustion turbines(CT) that will use dry low-nitrogen oxide combustion technology when firing natural gas and water injection when firing distillate fuel oil. Each CT will operate up to 8,760 hours per year.**			

Facility Contact

1. Name and Title of Facility Contact: **Mr. Bernie Tibble, Environmental Specialist**
2. Facility Contact Mailing Address: Organization/Firm: **Florida Power and Light Company** Street Address: **P.O. Box 430** City: **Fort Myers** State: **FL** Zip Code: **33905**
3. Facility Contact Telephone Numbers: Telephone: **(941) 693 - 4390** Fax: **(941) 693 - 4333**

Facility Regulatory Classifications

Check all that apply:

1. [ ] Small Business Stationary Source? [ ] Unknown
2. [X] Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?
3. [ ] Synthetic Minor Source of Pollutants Other than HAPs?
4. [X] Major Source of Hazardous Air Pollutants (HAPs)?
5. [ ] Synthetic Minor Source of HAPs?
6. [X] One or More Emissions Units Subject to NSPS?
7. [ ] One or More Emission Units Subject to NESHAP?
8. [ ] Title V Source by EPA Designation?
9. Facility Regulatory Classifications Comment (limit to 200 characters): **CT is subject to NSPS Subpart GG.**

List of Applicable Regulations

Not Applicable	

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap lb/hour	3. Requested Emissions Cap tons/year	4. Basis for Emissions Cap	5. Pollutant Comment
PM	A				Particulate Matter-Total
VOC	A				Volatile Organic Compounds
SO_2	A				Sulfur Dioxide
NO_X	A				Nitrogen Oxides
CO	A				Carbon Monoxides
PM_{10}	A				Particulate Matter-PM_{10}

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION
(All Emissions Units)

Emissions Unit Description and Status

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

[X] 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. Regulated or Unregulated Emissions Unit? (Check one)

[X] 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.

3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):
Two Identical GE Frame 7FA Combustion Turbines

4. Emissions Unit Identification Number:
ID:
[ ] No ID
[X] ID Unknown

5. Emissions Unit Status Code:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code:	8. Acid Rain Unit?
C		**49**	[X]

9. Emissions Unit Comment: (Limit to 500 Characters)

These emission units are GE Frame 7FA combustion turbines operating in simple cycle mode, plant designations Units 3A & 3B.

Emissions Unit Control Equipment

1. Control Equipment/Method Description (Limit to 200 characters per device or method):

Dry Low NO_X combustion - Natural gas firing

2. Control Device or Method Code(s): **25**

Emissions Unit Details

1. Package Unit:
   Manufacturer: **General Electric** Model Number: **7FA**
2. Generator Nameplate Rating: **172** MW Each
3. Incinerator Information:
   Dwell Temperature: °F
   Dwell Time: seconds
   Incinerator Afterburner Temperature: °F

Emissions Unit Control Equipment

1. Control Equipment/Method Description (Limit to 200 characters per device or method):

Water injection - distillate oil firing

2. Control Device or Method Code(s): **28**

Emissions Unit Details

1. Package Unit:
   Manufacturer: **General Electric** Model Number: **7FA**
2. Generator Nameplate Rating: **172** MW Each
3. Incinerator Information:
   Dwell Temperature: °F
   Dwell Time: seconds
   Incinerator Afterburner Temperature: °F

B. EMISSIONS UNIT CAPACITY INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:		**1,600**	mmBtu/hr Each
2. Maximum Incineration Rate:	lb/hr		tons/day
3. Maximum Process or Throughput Rate:			
4. Maximum Production Rate:			
5. Requested Maximum Operating Schedule:			
	hours/day		days/week
	weeks/year	**8,760**	hours/year

6. Operating Capacity/Schedule Comment (limit to 200 characters):

Maximum heat input at ISO conditions and natural gas firing (LHV); maximum for oil firing is 1,811 MMBtu/hr (ISO-LHV) and 180 MW; Higher power modes – gas is 1,680 MMBtu/hr and 182 MW each.

D. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram?	2. Emission Point Type Code: 1

3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):

Each CT exhausts through a single stack.

4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:

5. Discharge Type Code: V	6. Stack Height: 80 feet	7. Exit Diameter: 20.5 feet
8. Exit Temperature: 1,116 °F	9. Actual Volumetric Flow Rate: 2,389,462 acfm	10. Water Vapor: 8.4 %
11. Maximum Dry Standard Flow Rate: 800,000 dscfm	12. Nonstack Emission Point Height: feet	

13. Emission Point UTM Coordinates:

Zone: **17** East (km): **543.1** North (km): **2992.9**

14. Emission Point Comment (limit to 200 characters):

Stack parameters for ISO operating condition firing natural gas above; for oil 1,098°F and 2,464,273 ACFM; HPM 1,130°F and 2,426,858.

E. SEGMENT (PROCESS/FUEL) INFORMATION
(All Emissions Units)

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters): **Distillate (No. 2) Fuel Oil**		
2. Source Classification Code (SCC): **20100101**	3. SCC Units: **1,000 gallons used**	
4. Maximum Hourly Rate: **14**	5. Maximum Annual Rate: **7,000**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: **0.05**	8. Maximum % Ash:	9. Million Btu per SCC Unit: **130**
10. Segment Comment (limit to 200 characters): **Million Btu per SCC Unit = 129.9 (rounded to 130). Based on 7.1 lb/gal; LHV of 18,300 Btu/lb, ISO conditions, 500 hrs/yr operation.**		

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters): **Natural Gas**		
2. Source Classification Code (SCC): **20100201**	3. SCC Units: **Million Cubic Feet**	
4. Maximum Hourly Rate: **1.68**	5. Maximum Annual Rate: **14,752**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: **950**
10. Segment Comment (limit to 200 characters): **Based on 950 Btu/cf (LHV); ISO conditions and 8,760 hrs/yr operation.**		

F. EMISSIONS UNIT POLLUTANTS
(All Emissions Units)

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM			EL
SO_2			EL
NO_X	026	028	EL
CO			EL
VOC			EL
PM_{10}			EL

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **PM**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **17** lb/hour **45.6** tons/year	4. Synthetically Limited? [X]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**
8. Calculation of Emissions (limit to 600 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): **Lb/hr based on oil firing, all loads. Tons/yr based on 7,760 hrs/yr gas firing baseload, 500 hrs/yr oil firing and 500 hours HPM; ISO conditions each combustion turbine.**	

Allowable Emissions Allowable Emissions 1 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **10% opacity**	4. Equivalent Allowable Emissions: **17** lb/hour **4.25** tons/year
5. Method of Compliance (limit to 60 characters): **Annual stack test; EPA Method 9; if > 400 hours**	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **Oil firing - all loads; 500 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **PM**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **17** lb/hour **45.6** tons/year	4. Synthetically Limited? [**X**]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**
8. Calculation of Emissions (limit to 600 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): **Lb/hr based on oil firing, all loads. Tons/yr based on 7,760 hrs/yr gas firing baseload, 500 hrs/yr oil firing and 500 hours HPM; ISO conditions.**	

Allowable Emissions Allowable Emissions 2 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **10% opacity**	4. Equivalent Allowable Emissions: **10** lb/hour **43.8** tons/year
5. Method of Compliance (limit to 60 characters): **VE Test < 10% opacity; EPA Method 9**	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **Gas firing - all loads; 8,760 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **PM**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **17** lb/hour **45.6** tons/year	4. Synthetically Limited? [**X**]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**
8. Calculation of Emissions (limit to 600 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): **Lb/hr based on oil firing, all loads. Tons/yr based on 7,760 hrs/yr gas firing baseload, 500 hrs/yr oil firing and 500 hours HPM; ISO conditions.**	

Allowable Emissions Allowable Emissions **3** of **3**

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **10% opacity**	4. Equivalent Allowable Emissions: **10** lb/hour **2.5** tons/year
5. Method of Compliance (limit to 60 characters): **VE Test < 10% opacity, EPA Method 9**	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **HPM firing -100% load; 500 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **SO_2**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **103.1** lb/hour **44.9** tons/year	4. Synthetically Limited? [X]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**
8. Calculation of Emissions (limit to 600 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): **Emission Factor: 1 grain S per 100 CF gas; 0.05% S oil; lb/hr based on oil firing at 100% load and 35°F. Tons/yr based on 7,760 hrs/yr gas firing; 500 hrs/yr oil and 500 hrs/yr HPM firing; ISO conditions.**	

Allowable Emissions Allowable Emissions 1 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **0.05% Sulfur Oil**	4. Equivalent Allowable Emissions: **103.1** lb/hour **24.7** tons/year
5. Method of Compliance (limit to 60 characters): **Fuel Sampling**	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **Oil firing max @ 35°F; 100% load; TPY @ 59°F 500 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **SO_2**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **103.1** lb/hour **44.9** tons/year	4. Synthetically Limited? [**X**]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**

8. Calculation of Emissions (limit to 600 characters):

Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):

Emission Factor: 1 grain S per 100 CF gas; 0.05% S oil; lb/hr based on oil firing at 100% load and 35°F. Tons/yr based on 7,760 hrs/yr gas firing; 500 hrs/yr oil and HPM firing; ISO conditions.

Allowable Emissions Allowable Emissions 2 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **See Comment**	4. Equivalent Allowable Emissions: **5.1** lb/hour **21.5** tons/year

5. Method of Compliance (limit to 60 characters):

Fuel Sampling

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):

Requested allowable emissions and units: Pipeline Natural Gas. Gas firing, 1 gram/100 cf - 35°F, 100% load; 8,760 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **SO_2**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **103.1** lb/hour **44.9** tons/year	4. Synthetically Limited? [X]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**

8. Calculation of Emissions (limit to 600 characters):

Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):

Emission Factor: 1 grain S per 100 CF gas; 0.05% S oil; lb/hr based on oil firing at 100% load and 35°F. Tons/yr based on 7,760 hrs/yr gas firing; 500 hrs/yr oil and 500 hrs/yr HPM firing; ISO conditions.

Allowable Emissions Allowable Emissions 3 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **See Comment**	4. Equivalent Allowable Emissions: **5.3** lb/hour **1.3** tons/year

5. Method of Compliance (limit to 60 characters):

Fuel Sampling

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):

Requested allowable emissions and units: Pipeline Natural Gas. HPM firing, 1 gram/100 cf - 35°F, 100% load; 500 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **NO_X**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **333.8** lb/hour **370.6** tons/year	4. Synthetically Limited? [**X**]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**
8. Calculation of Emissions (limit to 600 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): **Lb/hr based on oil firing; 100% load; 35°F. Tons/yr based on 7,760 hrs/yr gas firing and 500 hrs/yr oil and 500 hrs/yr HPM firing; ISO conditions.**	

Allowable Emissions Allowable Emissions 1 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **42 ppmvd**	4. Equivalent Allowable Emissions: **333.8** lb/hour **79.8** tons/year
5. Method of Compliance (limit to 60 characters): **CEM - 30 Day Rolling Average**	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **Requested Allowable Emissions is at 15% O_2-100% load. Oil firing; max @ 35°F; 100% load; TPY @ 59°F, 500 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **NO_X**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **333.8** lb/hour **370.6** tons/year	4. Synthetically Limited? [X]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**
8. Calculation of Emissions (limit to 600 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): **Lb/hr based on oil firing; 100% load; 35°F. Tons/yr based on 7,760 hrs/yr gas firing and 500 hrs/yr oil and 500 hrs/yr HPM firing; ISO conditions**	

Allowable Emissions Allowable Emissions 2 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **10.5 ppmvd**	4. Equivalent Allowable Emissions: **71.6** lb/hour **299.7** tons/year
5. Method of Compliance (limit to 60 characters): **CEM - 30 Day Rolling Average**	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **Requested Allowable Emissions and Units is at 15% O_2-100% load. Gas firing; 35°F; 100% load; TPY @ 59°F, 8,760 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **NO_x**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **333.8** lb/hour **370.6** tons/year	4. Synthetically Limited? [X]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**

8. Calculation of Emissions (limit to 600 characters):

Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):

Lb/hr based on oil firing; 100% load; 35°F. Tons/yr based on 7,760 hrs/yr gas firing and 500 hrs/yr oil and 500 hrs/yr HPM firing; ISO conditions

Allowable Emissions Allowable Emissions 3 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **15 ppmvd**	4. Equivalent Allowable Emissions: **105.1** lb/hour **25.3** tons/year

5. Method of Compliance (limit to 60 characters):

CEM - 30 Day Rolling Average

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):

Requested Allowable Emissions and Units is at 15% O_2-100% load. HPM firing; 35°F; 100% load; TPY @ 59°F, 500 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **CO**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **68.1** lb/hour **139.8** tons/year	4. Synthetically Limited? [X]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**
8. Calculation of Emissions (limit to 600 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): **Lb/hr based on oil firing; 100% load; 35°F. Tons/yr based on 7,760 hrs/yr gas firing and 500 hrs/yr oil and 500 hrs/yr HPM firing; ISO conditions**	

Allowable Emissions Allowable Emissions 1 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **20 ppmvd - Baseload**	4. Equivalent Allowable Emissions: **68.1** lb/hour **16.2** tons/year
5. Method of Compliance (limit to 60 characters): **EPA Method 10; high load**	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **Oil firing; max @ 35°F; 100% load; TPY @ 59°F, 500 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **CO**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **68.1** lb/hour **139.8** tons/year	4. Synthetically Limited? [**X**]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**
8. Calculation of Emissions (limit to 600 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): **Lb/hr based on oil firing; 100% load; 35°F. Tons/yr based on 7,760 hrs/yr gas firing and 500 hrs/yr oil and 500 hrs/yr HPM firing; ISO conditions**	

Allowable Emissions Allowable Emissions 2 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **12 ppmvd**	4. Equivalent Allowable Emissions: **30.3** lb/hour **126.0** tons/year
5. Method of Compliance (limit to 60 characters): **EPA Method 10; high load**	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **Gas firing; 35°F; 100% load; TPY @ 59°F, 8,760 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **CO**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **68.1** lb/hour **139.8** tons/year	4. Synthetically Limited? [X]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**

8. Calculation of Emissions (limit to 600 characters):

Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):

Lb/hr based on oil firing; 100% load; 35°F. Tons/yr based on 7,760 hrs/yr gas firing and 500 hrs/yr oil and HPM firing; ISO conditions

Allowable Emissions Allowable Emissions 3 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **15 ppmvd**	4. Equivalent Allowable Emissions: **50.5** lb/hour **12.0** tons/year

5. Method of Compliance (limit to 60 characters):

EPA Method 10; high load

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):

HPM firing; 35°F; 100% load; TPY @ 59°F, 500 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **VOC**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **7.6** lb/hour **13.1** tons/year	4. Synthetically Limited? [**X**]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**
8. Calculation of Emissions (limit to 600 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A. VOC emissions exclusive of background VOC concentrations.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): **Lb/hr based on oil firing; 100% load; 35°F. Tons/yr based on 7,760 hrs/yr gas firing and 500 hrs/yr oil and 500 hrs/yr HPM firing; ISO conditions**	

Allowable Emissions Allowable Emissions 1 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **3.5 ppmvw**	4. Equivalent Allowable Emissions: **7.6** lb/hour **1.8** tons/year
5. Method of Compliance (limit to 60 characters): **EPA Method 25A; high load**	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **Oil firing; max @ 35°F; 100% load; TPY @ 59°F, 500 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **VOC**	2. Total Percent Efficiency of Control:

3. Potential Emissions: **7.6** lb/hour **13.1** tons/year	4. Synthetically Limited? [**X**]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**

8. Calculation of Emissions (limit to 600 characters):

Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):

Lb/hr based on oil firing; 100% load; 35°F. Tons/yr based on 7,760 hrs/yr gas firing and 500 hrs/yr oil and 500 hrs/yr HPM firing; ISO conditions

Allowable Emissions Allowable Emissions **2** of **3**

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **1.5 ppmvd**	4. Equivalent Allowable Emissions: **2.9** lb/hour **12.0** tons/year

5. Method of Compliance (limit to 60 characters):

EPA Method 25A; high load

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):

Additional requested allowable emissions and units: Gas firing; 35°F; 100% load; TPY @ 59°F, 8,760 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **VOC**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **7.6** lb/hour **13.1** tons/year	4. Synthetically Limited? [**X**]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**
8. Calculation of Emissions (limit to 600 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): **Lb/hr based on oil firing; 100% load; 35°F. Tons/yr based on 7,760 hrs/yr gas firing and 500 hrs/yr oil and 500 hrs/yr HPM firing; ISO conditions**	

Allowable Emissions Allowable Emissions 3 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **1.5 ppmvd**	4. Equivalent Allowable Emissions: **2.9** lb/hour **0.7** tons/year
5. Method of Compliance (limit to 60 characters): **EPA Method 25A; high load**	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **Additional requested allowable emissions and units: HPM firing; 35°F; 100% load; TPY @ 59°F, 500 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **PM_{10}**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **17** lb/hour **45.6** tons/year	4. Synthetically Limited? [X]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**
8. Calculation of Emissions (limit to 600 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): **Lb/hr based on oil firing; 100% load; 59°F. Tons/yr based on 7,760 hrs/yr gas firing and 500 hrs/yr oil firing and 500 hours HPM; ISO conditions.**	

Allowable Emissions Allowable Emissions 1 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **10% opacity**	4. Equivalent Allowable Emissions: **17** lb/hour **4.25** tons/year
5. Method of Compliance (limit to 60 characters): **Annual stack test; EPA Method 9 if >400 hours**	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **Oil firing - all loads; 500 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **PM_{10}**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **17** lb/hour **45.6** tons/year	4. Synthetically Limited? [**X**]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**

8. Calculation of Emissions (limit to 600 characters):

Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):

Lb/hr based on oil firing, all loads. Tons/yr based on 7,760 hrs/yr gas firing baseload, 500 hrs/yr oil firing and 500 hours HPM; ISO conditions.

Allowable Emissions Allowable Emissions 2 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **10% opacity**	4. Equivalent Allowable Emissions: **10** lb/hour **43.8** tons/year

5. Method of Compliance (limit to 60 characters):

VE Test < 10% opacity, EPA Method 9

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):

Gas firing; all loads; 8,760 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **PM_{10}**	2. Total Percent Efficiency of Control:

3. Potential Emissions: **17** lb/hour **45.6** tons/year	4. Synthetically Limited? [X]

5. Range of Estimated Fugitive Emissions:
[ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year

6. Emission Factor: Reference: **GE, 2000; Golder**	7. Emissions Method Code: **2**

8. Calculation of Emissions (limit to 600 characters):

Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):

Lb/hr based on oil firing, all loads. Tons/yr based on 7,760 hrs/yr gas firing baseload, 500 hrs/yr oil firing and 500 hours HPM; ISO conditions.

Allowable Emissions Allowable Emissions 3 of 3

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **10% opacity**	4. Equivalent Allowable Emissions: **10** lb/hour **2.5** tons/year

5. Method of Compliance (limit to 60 characters):

VE Test < 10% opacity, EPA Method 9

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):

HPM firing; 100% loads; 500 hrs/yr. Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.

H. VISIBLE EMISSIONS INFORMATION
(Only Regulated Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

1. Visible Emissions Subtype: **VE10**	2. Basis for Allowable Opacity: [ ] Rule [X] Other
3. Requested Allowable Opacity: Normal Conditions: **10** % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: **Annual VE Test EPA Method 9**	
5. Visible Emissions Comment (limit to 200 characters): **Maximum for gas and oil firing.**	

I. CONTINUOUS MONITOR INFORMATION
(Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor 1 of 2

1. Parameter Code: **EM**	2. Pollutant(s): **NO_X**
3. CMS Requirement:	[X] Rule [ ] Other
4. Monitor Information: **Not yet determined** Manufacturer: Model Number:	Serial Number:
5. Installation Date: **01 Jan 2003**	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters): **NO_X CEM proposed to meet requirements of 40 CFR Part 75.**	

H. VISIBLE EMISSIONS INFORMATION
(Only Regulated Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 2 of 2

1. Visible Emissions Subtype: **VE99**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: **100** % Maximum Period of Excess Opacity Allowed: **6** min/hour	
4. Method of Compliance: **None**	
5. Visible Emissions Comment (limit to 200 characters): **FDEP Rule 62-201.700(1), Allowed for 2 hours (120 minutes) per 24 hours for start up, shutdown and malfunction.**	

I. CONTINUOUS MONITOR INFORMATION
(Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor 2 of 2

1. Parameter Code: **EM**	2. Pollutant(s): **NO_X**
3. CMS Requirement:	[X] Rule [ ] Other
4. Monitor Information: **Not yet determined** Manufacturer: Model Number:	Serial Number:
5. Installation Date: **01 Jan 2003**	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters): **Parameter Code: WTF. Required by 40 CFR Part 60; subpart GG; 60.334.**	

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION
(All Emissions Units)

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).

[X] 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. Regulated or Unregulated Emissions Unit? (Check one)

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

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

3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):

Natural Gas Heaters

4. Emissions Unit Identification Number: [ ] No ID
ID: [X] ID Unknown

5. Emissions Unit Status Code:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code:	8. Acid Rain Unit?
C		**49**	[ ]

9. Emissions Unit Comment: (Limit to 500 Characters)

This emission unit is Natural Gas Heaters for each of the GE Frame 7FA combustion turbine operating in simple cycle mode. See Attachment FPL-FMI provided with the Air Construction Permit Application.

Emissions Unit Control Equipment

1. Control Equipment/Method Description (Limit to 200 characters per device or method):

   Dry Low NO_X combustion - Natural gas firing

2. Control Device or Method Code(s): **25**

Emissions Unit Details

1. Package Unit:
   Manufacturer: **Gas Tech or Equivalent** Model Number:
2. Generator Nameplate Rating: MW
3. Incinerator Information:
   Dwell Temperature: °F
   Dwell Time: seconds
   Incinerator Afterburner Temperature: °F

B. EMISSIONS UNIT CAPACITY INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:		**23.71**	mmBtu/hr Each
2. Maximum Incineration Rate:	lb/hr		tons/day
3. Maximum Process or Throughput Rate:			
4. Maximum Production Rate:			
5. Requested Maximum Operating Schedule:			
	hours/day		days/week
	weeks/year	**8,760**	hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):			

Maximum heat input per unit when natural gas firing (HHV).

C. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

List of Applicable Regulations

See Attachment FPL-FMI provided with the Air Construction Permit Application for permitting requirements	

D. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? **See Att. FPL-FMI**	2. Emission Point Type Code: **1**

3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):

Exhausts through a single stack.

4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:

5. Discharge Type Code: **V**	6. Stack Height: **30** feet	7. Exit Diameter: **1.5** feet
8. Exit Temperature: **713** °F	9. Actual Volumetric Flow Rate: **11,736** acfm	10. Water Vapor: %

11. Maximum Dry Standard Flow Rate: dscfm	12. Nonstack Emission Point Height: feet

13. Emission Point UTM Coordinates:

Zone: **17** East (km): **543.1** North (km): **2992.9**

14. Emission Point Comment (limit to 200 characters):

Each Heater will have one stack.

E. SEGMENT (PROCESS/FUEL) INFORMATION
(All Emissions Units)

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): **Natural Gas < 100 MMBtu/hr**		
2. Source Classification Code (SCC): **10100602**	3. SCC Units: **Million Cubic Feet**	
4. Maximum Hourly Rate: **0.023**	5. Maximum Annual Rate: **406.7**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: **0.05**	8. Maximum % Ash:	9. Million Btu per SCC Unit: **1020**
10. Segment Comment (limit to 200 characters): **Maximum hourly based on 1020 Btu/cf (HHV) for each heater; maximum annual based on 8,760 hrs/yr operation for 2 heaters.**		

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

F. EMISSIONS UNIT POLLUTANTS
(All Emissions Units)

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
NO_x	026		EL
CO			EL

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **NO_X**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **2.36** lb/hour **20.7** tons/year	4. Synthetically Limited? [X]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GasTech, 2000; Golder**	7. Emissions Method Code: **2**
8. Calculation of Emissions (limit to 600 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): **Lb/hr based on one heater. Tons/yr based on 8,760 hrs/yr for 2 heaters.**	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **0.1 lb/MMBtu**	4. Equivalent Allowable Emissions: **2.36** b/hour **20.7** tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units - Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted: **CO**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **1.79** lb/hour **15.5** tons/year	4. Synthetically Limited? [**X**]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference: **GasTech, 2000; Golder**	7. Emissions Method Code: **2**
8. Calculation of Emissions (limit to 600 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters): **Lb/hr based on one heater. Tons/yr based on 8,760 and 2 heaters.**	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: **OTHER**	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: **0.075 lb/MMBtu**	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **Provided in Air Construction Permit Application Attachment FPL-FMI; Section 2.0; Appendix A.**	

H. VISIBLE EMISSIONS INFORMATION
(Only Regulated Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

1. Visible Emissions Subtype: **VE20**	2. Basis for Allowable Opacity: [ ] Rule [X] Other
3. Requested Allowable Opacity: Normal Conditions: **10** % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: **Annual VE Test EPA Method 9**	
5. Visible Emissions Comment (limit to 200 characters): **Maximum for gas firing. Rule 62-296.320 allows 20% opacity**	

I. CONTINUOUS MONITOR INFORMATION
(Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	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 (limit to 200 characters):	

H. VISIBLE EMISSIONS INFORMATION
(Only Regulated Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 2 of 2

1. Visible Emissions Subtype: **VE99**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: **100** % Maximum Period of Excess Opacity Allowed: **6** min/hour	
4. Method of Compliance: **None**	
5. Visible Emissions Comment (limit to 200 characters): **FDEP Rule 62-201.700(1), Allowed for 2 hours (120 minutes) per 24 hours for start up, shutdown and malfunction.**	

I. CONTINUOUS MONITOR INFORMATION
(Only Regulated Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[X] Rule [ ] Other
4. Monitor Information: Manufacturer: Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

Facility Detail Report for AIRS ID: 0710002
Printed On: Friday, July 09, 2004 14:13

Owner/Company Name: FLORIDA POWER & LIGHT (PFM)
Site Name: FORT MYERS POWER PLANT
Address: 10650 SR 80
FORT MYERS 33905
Directions: FT MYERS POWER PLANT 10650 STATE ROAD 80

Status: A
Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Relocatable:
Type: 1 -- STEAM ELECTRIC PLANT
Government Facility: 0 -- NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Ozone SIP Facility: N
AOR Required: Y
Facility Comment: GAS TURBINES AND OIL FIRED STEAM ELECTRIC GENERATORS

Facility Location

Facility Latitude: Degrees: 26, Minutes: 41, Seconds: 49
Facility Longitude: Degrees: 81, Minutes: 46, Seconds: 55
Facility UTM: Zone: 17, East(km): 422.3, North(km): 2952.9

Regulatory Classification Section

Title V: Y
Synthetic Non-Title V Source:
Synthetic Minor Source of Non-HAPs:
Major Source of Non-HAPs: Y
Major Source of HAPs: Y
Synthetic Minor Source of HAPs:
Title V by EPA Designation:
NSPS: Y
NESHAP: N
Small Business Stationary Source:
Regulatory Classification Comment:

Facility SIC

Primary	SIC	Description
Y	4911	ELECTRIC SERVICES -- ELECTRIC SERVICES

Facility Building

Building ID	Height (ft)	Zone	North (km)	East (km)

Facility Site Boundary

Zone	North (km)	East (km)

Regulation(s)

Type	Regulation
S	62-4
S	62-210
S	62-213
S	62-296
S	62-297

Facility Pollutants

Pollutant	Classification	Basis	Regulation	Emission Cap (lb/hr)	Emission Cap (ton/yr)	Comments

CO	A					
H014	B					
H015	B					
H027	B					
H046	B					
H047	B					
H095	B					
H106	A					
H107	B					
H113	B					
H133	B					
H148	B					
H150	C					
H169	B					
HAPS	A					
NOX	A					
PB	B					
PM	A					
PM10	A					
SAM	C					
SO2	A					
TH	C					
VOC	A					

Active Facility Related Party Information

Facility Party Role:	DESIGNATED REPRESENTATIVE (ACID RAIN)
Begin Date:	10/11/2002
End Date:	
Company:	FLORIDA POWER & LIGHT
Title:	VP, OPERATIONS & TECHNICAL SERVICES
Name:	ADALBERTO ALFONSO
Voice Mail:	(561)691-9129
Fax Number:	(561)691-2606
Mobile Number:	
Email Address:	adalberto_alfonso@fpl.com
Address1:	700 UNIVERSE BLVD.
Address2:	P.O. BOX 14000
City/State/Country:	JUNO BEACH FL U.S.A.
ZIP5/ZIP4:	33408 - 420
Address Type:	BUSINESS
Mailing Address:	Y

Facility Party Role:	DESIGNATED REPRESENTATIVE (ACID RAIN)
Begin Date:	10/07/2002
End Date:	
Company:	FLORIDA POWER & LIGHT COMPANY
Title:	GENERAL MANAGER - QWEST

Name:	NANCY KIERSPE
Voice Mail:	(561)691-9129
Fax Number:	
Mobile Number:	
Email Address:	nancy_kierspe@fpl.com
Address1:	700 UNIVERSE BLVD., GPA-JB
Address2:	P.O. BOX 14000
City/State/Country:	JUNO BEACH FL U.S.A.
ZIP5/ZIP4:	33408 - 420
Address Type:	BUSINESS
Mailing Address:	Y
Facility Party Role:	FACILITY CONTACT
Begin Date:	05/03/2004
End Date:	
Company:	FORT MYERS POWER PLANT
Title:	PLANT GENERAL MANAGER
Name:	BILL REICHEL
Voice Mail:	(561)693-9342
Fax Number:	
Mobile Number:	
Email Address:	
Address1:	PO BOX 430
Address2:	
City/State/Country:	FORT MYERS FL
ZIP5/ZIP4:	33902 -
Address Type:	BUSINESS
Mailing Address:	Y
Facility Party Role:	OWNER/AUTHORIZED REPRESENTATIVE
Begin Date:	03/13/2003
End Date:	
Company:	FLORIDA POWER & LIGHT COMPANY
Title:	GENERAL MANAGER - QWEST
Name:	NANCY KIERSPE
Voice Mail:	(561)691-9129
Fax Number:	
Mobile Number:	
Email Address:	nancy_kierspe@fpl.com
Address1:	700 UNIVERSE BOULEVARD, GPA-JB
Address2:	
City/State/Country:	JUNO BEACH FL U.S.A.
ZIP5/ZIP4:	33408 - 420
Address Type:	BUSINESS
Mailing Address:	Y
Facility Party Role:	PRIMARY RESPONSIBLE OFFICIAL (TITLE V)
Begin Date:	06/14/2000
End Date:	
Company:	FORT MYERS POWER PLANT
Title:	PLANT GENERAL MANAGER
Name:	BILL REICHEL
Voice Mail:	(941)693-9342
Fax Number:	(941)693-4333
Mobile Number:	
Email Address:	
Address1:	P.O. BOX 430
Address2:	
City/State/Country:	FT. MYERS FL

ZIP5/ZIP4: 33902 -
Address Type: BUSINESS
Mailing Address: Y

Emission Unit Information

Emission Unit ID: 3
Status: A
Description: Combustion Turbine #1
Type: 11.02 -- Gas Turbines
EU Classification: R
Acid Rain Unit: N
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW): 63
Model Number: MS7000B
Manufacturer: General Electric
Ozone SIP Base Year Unit: Y
Startup Date: 5/3/1974
Long-term Reserve Shutdown Date:
Comment: The generator nameplate rating given for the gas turbines is the kilowatt rating/1,000 of one gas turbine (out of a bank of 12) at a 59 degree F condition.

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):
Heat Input Rate (mmBTU/hr): 895
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment: Each gas turbine is currently limited to 895 mmBtu heat input per hour at 25 degrees F, at 760 mmBtu heat input per hour at 59 degrees F.

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-296.320(4)(b)1

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 3

Type: 1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #: 3
Discharge Type: V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft): 32

Exit Diameter (ft):	11.4
Exit Temperature (ºF):	975
Exit Velocity (ft/s):	189.4
Actual Volumetric Flow Rate (acfm):	1160000
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2952
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 3

Segment #:	1
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	Gas turbine bank (1-12) burning distillate oil.
mmBtu/SCC Unit:	136
Max Hourly Rate:	67
Hourly Rate Limit:	
Max Annual Rate:	586920
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	
Comment:	Max% ash=0.01. Max Annual Rate information provided in is based on 8760 hrs/yr of operation. CALCULATIONS:10200mmbtu/hr / 136mmBtu/kgal = 75 kgal/hr, 75 kgal/hour*8760 hours/year = 657000 kgal/yr /12

Segment #:	2
SCC Code:	10101302
Description 1:	External Combustion Boilers
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil
Status:	I
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	

Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.
Segment #:	3
SCC Code:	20101302
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil - Turbine
Status:	A
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On_Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Pollutant(s) Summary for EU 3

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	40.8
Potential (tpy):	179
Emission Method:	3
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	0.048
Emission Factor Unit:	025 -- LB/MMBTU
Emission Factor Ref:	AP-42
Emission Calculation:	
Comment:	

Pollutant:	H015 -- Arsenic Compounds (inorganic including arsine)
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	

Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 5 ppm as specification of used oil.

Pollutant: H027 -- Cadmium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: H046 -- Chromium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 10 ppm as specification of used oil.

Pollutant: H106 -- Hydrogen chloride (Hydrochloric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H107 -- Hydrogen fluoride (Hydrofluoric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H113 -- Manganese Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H133 -- Nickel Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H148 -- Phosphorus
Primary Control:
Secondary Control:
Control Efficiency:

Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H150 -- Polychlorinated biphenyls (Aroclors)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: HAPS -- Total Hazardous Air Pollutants
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 530
Potential (tpy): 2321
Emission Method: 0
Estimated Fugitive LL (tpy):

Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 530
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: PB -- Lead - Total (elemental lead and lead compounds)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 100 ppm as specification of used oil.

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 51.85
Potential (tpy): 227
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.061
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:

Emission Calculation:
Comment:

Pollutant: SAM -- Sulfuric Acid Mist
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 400
Potential (tpy): 1750
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 71
Emission Factor Unit: 011 -- LB/1000 GAL
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: TH -- Total Halogens
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 1000 ppm as specification of used oil.

Pollutant: VOC -- Volatile Organic Compounds

Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	

Allowable Emissions Information for EU 3

Pollutant:	**NOX**
Sequence Number:	2
Allowable Emission:	530
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	530
Equivalent (tpy):	2321
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	EPA METHOD 7 OR 7E REFERENCE BY 62-201.800 & PROJECT 005-AC
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Allowable Emission Comment:	Allowable emission rate based on turbine inlet of 59 degrees F. Test one CT each federal fiscal year

Visible Emissions Information for EU 3

VE Subtype:	VE20
Number of VE Tests:	7
Allowable Opacity Exceptional Condition (%):	
Maximum Period of Exceptional Condition (min/hr):	
Basis:	RULE
Regulation:	62-296.320(4)(b)1.
COM Required:	
Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Comment:	Test not required in years that fuel oil is fired <400 hrs.

Continuous Monitor for EU 3

No Continuous Monitor information found for this EU

Emission Unit ID:	**4**
Status:	A
Description:	Combustion Turbine #2
Type:	11.02 -- Gas Turbines
EU Classification:	R
Acid Rain Unit:	N
EU Major Group SIC:	49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):	63
Model Number:	MS7000B
Manufacturer:	General Electric
Ozone SIP Base Year Unit:	
Startup Date:	5/3/1974
Long-term Reserve Shutdown Date:	
Comment:	The generator nameplate rating given for the gas turbines is the kilowatt rating/1,000 of one gas turbine (out of a bank of 12) at a 59 degree F condition.

Operating Capacity

Dwell Temp (F):	
Dwell Time (Sec):	
Afterburner Temp (F):	
Heat Input Rate (mmBTU/hr):	895
Incin. Rate (lb/hr):	
Incin. Rate (ton/day):	
Throughput:	
Throughput Unit:	
Production:	
Production Unit:	
Operating Capacity Comment:	Each gas turbine is currently limited to 895 mmBtu heat input per hour at 25 degrees F, at 760 mmBtu heat input per hour at 59 degrees F.

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-296.320(4)(b)1.

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 4

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	4
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	32
Exit Diameter (ft):	11.4
Exit Temperature (°F):	975
Exit Velocity (ft/s):	189.4
Actual Volumetric Flow Rate (acfm):	1160000
Water Vapor %:	

Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2952
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 4

Segment #:	1
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	Gas turbine bank (1-12) burning distillate oil.
mmBtu/SCC Unit:	136
Max Hourly Rate:	67
Hourly Rate Limit:	
Max Annual Rate:	586920
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	
Comment:	Max% ash=0.01. Max Annual Rate information provided in is based on 8760 hrs/yr of operation. CALCULATIONS:10200mmbtu/hr / 136mmBtu/kgal = 75 kgal/hr, 75 kgal/hour*8760 hours/year = 657000 kgal/yr /12

Segment #:	2
SCC Code:	10101302
Description 1:	External Combustion Boilers
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil
Status:	I
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Segment #:	3
SCC Code:	20101302
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil - Turbine
Status:	A
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Pollutant(s) Summary for EU 4

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	40.8
Potential (tpy):	179
Emission Method:	3
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	0.048
Emission Factor Unit:	025 -- LB/MMBTU
Emission Factor Ref:	AP-42
Emission Calculation:	
Comment:	

Pollutant:	H015 -- Arsenic Compounds (inorganic including arsine)
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	Limited to 5 ppm as specification of used oil.

Pollutant: H027 -- Cadmium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: H046 -- Chromium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 10 ppm as specification of used oil.

Pollutant: H106 -- Hydrogen chloride (Hydrochloric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H107 -- Hydrogen fluoride (Hydrofluoric acid)
Primary Control:
Secondary Control:
Control Efficiency:

Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H113 -- Manganese Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H133 -- Nickel Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H148 -- Phosphorus
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):

Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H150 -- Polychlorinated biphenyls (Aroclors)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: HAPS -- Total Hazardous Air Pollutants
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 530
Potential (tpy): 2321
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 530
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: PERMIT

Emission Calculation:
Comment:

Pollutant: PB -- Lead - Total (elemental lead and lead compounds)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 100 ppm as specification of used oil.

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 51.8
Potential (tpy): 227
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.061
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SAM -- Sulfuric Acid Mist

Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 400
Potential (tpy): 1750
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 71
Emission Factor Unit: 011 -- LB/1000 GAL
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: TH -- Total Halogens
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 1000 ppm as specification of used oil.

Pollutant: VOC -- Volatile Organic Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):

Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Allowable Emissions Information for EU 4

Pollutant:	**NOX**
Sequence Number:	2
Allowable Emission:	530
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	530
Equivalent (tpy):	2321
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	EPA Method 7 or 7E reference by 62-201.800 & Project 005-AC
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Allowable Emission Comment:	Allowable emission rate based on turbine inlet of 59 degrees F. Test one CT each federal fiscal year

Visible Emissions Information for EU 4

VE Subtype:	VE20
Number of VE Tests:	6
Allowable Opacity Exceptional Condition (%):	
Maximum Period of Exceptional Condition (min/hr):	
Basis:	RULE
Regulation:	62-296.320(4)(b)1.
COM Required:	
Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Comment:	Test not required in years that fuel oil is fired <400 hrs.

Continuous Monitor for EU 4

No Continuous Monitor information found for this EU

Emission Unit ID: 5
Status: A
Description: Combustion Turbine #3

Type:	11.02 -- Gas Turbines
EU Classification:	R
Acid Rain Unit:	N
EU Major Group SIC:	49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):	63
Model Number:	MS7000B
Manufacturer:	General Electric
Ozone SIP Base Year Unit:	
Startup Date:	5/3/1974
Long-term Reserve Shutdown Date:	
Comment:	The generator nameplate rating given for the gas turbines is the kilowatt rating/1,000 of one gas turbine (out of a bank of 12) at a 59 degree F condition.

Operating Capacity

Dwell Temp (F):	
Dwell Time (Sec):	
Afterburner Temp (F):	
Heat Input Rate (mmBTU/hr):	895
Incin. Rate (lb/hr):	
Incin. Rate (ton/day):	
Throughput:	
Throughput Unit:	
Production:	
Production Unit:	
Operating Capacity Comment:	Each gas turbine is currently limited to 895 mmBtu heat input per hour at 25 degrees F, at 760 mmBtu heat input per hour at 59 degrees F.

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-296.320(4)(b)1.

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 5

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	5
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	32
Exit Diameter (ft):	11.4
Exit Temperature (°F):	975
Exit Velocity (ft/s):	189.4
Actual Volumetric Flow Rate (acfm):	1160000
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2952
UTM East (km):	422.3
GEP Stack Height (ft):	

Non-Stack Height (ft):
Comment:

Other EUs With This Point in Common
NO EUs IN COMMON

Segment(s) Information for EU 5

Segment #:	1
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	Gas turbine bank (1-12) burning distillate oil.
mmBtu/SCC Unit:	136
Max Hourly Rate:	67
Hourly Rate Limit:	
Max Annual Rate:	586920
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	
Comment:	Max% ash=0.01. Max Annual Rate information provided in is based on 8760 hrs/yr of operation. CALCULATIONS:10200mmbtu/hr / 136mmBtu/kgal = 75 kgal/hr, 75 kgal/hour*8760 hours/year = 657000 kgal/yr /12

Segment #:	3
SCC Code:	20101302
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil - Turbine
Status:	A
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Pollutant(s) Summary for EU 5

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	

Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 40.8
Potential (tpy): 179
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.048
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: H015 -- Arsenic Compounds (inorganic including arsine)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 5 ppm as specification of used oil.

Pollutant: H027 -- Cadmium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: H046 -- Chromium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:

Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 10 ppm as specification of used oil.

Pollutant: H106 -- Hydrogen chloride (Hydrochloric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H107 -- Hydrogen fluoride (Hydrofluoric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H113 -- Manganese Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:

Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H133 -- Nickel Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H148 -- Phosphorus
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H150 -- Polychlorinated biphenyls (Aroclors)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: HAPS -- Total Hazardous Air Pollutants
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 530
Potential (tpy): 2321
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 530
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: PB -- Lead - Total (elemental lead and lead compounds)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 100 ppm as specification of used oil.

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS

Potential (lb/hr): 51.8
Potential (tpy): 227
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.061
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SAM -- Sulfuric Acid Mist
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 400
Potential (tpy): 1750
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):

Synthetic Limited:
Emission Factor: 71
Emission Factor Unit: 011 -- LB/1000 GAL
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: TH -- Total Halogens
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 1000 ppm as specification of used oil.

Pollutant: VOC -- Volatile Organic Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Allowable Emissions Information for EU 5

Pollutant: **NOX**
Sequence Number: 2
Allowable Emission: 530
Unit: PH -- POUNDS/HOUR
Equivalent (lb/hr): 530
Equivalent (tpy): 2321
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: EPA Method 7 or 7E reference by 62-201.800 & Project 005-AC
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Allowable Emission Comment: Allowable emission rate based on turbine inlet of 59 degrees F. Test one CT

each federal fiscal year

Visible Emissions Information for EU 5

VE Subtype:	VE20
Number of VE Tests:	2
Allowable Opacity Exceptional Condition (%):	
Maximum Period of Exceptional Condition (min/hr):	
Basis:	RULE
Regulation:	62-296.320(4)(b)1.
COM Required:	
Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Comment:	Test not required in years that fuel oil is fired <400 hrs.

Continuous Monitor for EU 5

No Continuous Monitor information found for this EU

Emission Unit ID:	**6**
Status:	A
Description:	Combustion Turbine #4
Type:	11.02 -- Gas Turbines
EU Classification:	R
Acid Rain Unit:	N
EU Major Group SIC:	49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):	63
Model Number:	MS7000B
Manufacturer:	General Electric
Ozone SIP Base Year Unit:	
Startup Date:	5/3/1974
Long-term Reserve Shutdown Date:	
Comment:	The generator nameplate rating given for the gas turbines is the kilowatt rating/1,000 of one gas turbine (out of a bank of 12) at a 59 degree F condition.

Operating Capacity

Dwell Temp (F):	
Dwell Time (Sec):	
Afterburner Temp (F):	
Heat Input Rate (mmBTU/hr):	895
Incin. Rate (lb/hr):	
Incin. Rate (ton/day):	
Throughput:	
Throughput Unit:	
Production:	
Production Unit:	
Operating Capacity Comment:	Each gas turbine is currently limited to 895 mmBtu heat input per hour at 25 degrees F, at 760 mmBtu heat input per hour at 59 degrees F.

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-296.320(4)(b)1.

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 6

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	6
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	32
Exit Diameter (ft):	11.4
Exit Temperature (°F):	975
Exit Velocity (ft/s):	189.4
Actual Volumetric Flow Rate (acfm):	1160000
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2952
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 6

Segment #:	1
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	Gas turbine bank (1-12) burning distillate oil.
mmBtu/SCC Unit:	136
Max Hourly Rate:	67
Hourly Rate Limit:	
Max Annual Rate:	586920
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	

Comment:	Max% ash=0.01. Max Annual Rate information provided in is based on 8760 hrs/yr of operation. CALCULATIONS:10200mmbtu/hr / 136mmBtu/kgal = 75 kgal/hr, 75 kgal/hour*8760 hours/year = 657000 kgal/yr /12
Segment #:	2
SCC Code:	10101302
Description 1:	External Combustion Boilers
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil
Status:	I
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.
Segment #:	3
SCC Code:	20101302
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil - Turbine
Status:	A
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Pollutant(s) Summary for EU 6

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	40.8
Potential (tpy):	179
Emission Method:	3

Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.048
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: H015 -- Arsenic Compounds (inorganic including arsine)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 5 ppm as specification of used oil.

Pollutant: H027 -- Cadmium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: H046 -- Chromium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:

Emission Factor Ref:
Emission Calculation:
Comment: Limited to 10 ppm as specification of used oil.

Pollutant: H106 -- Hydrogen chloride (Hydrochloric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H107 -- Hydrogen fluoride (Hydrofluoric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H113 -- Manganese Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H133 -- Nickel Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H148 -- Phosphorus
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H150 -- Polychlorinated biphenyls (Aroclors)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: HAPS -- Total Hazardous Air Pollutants
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS

Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 530
Potential (tpy): 2321
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 530
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: PB -- Lead - Total (elemental lead and lead compounds)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 100 ppm as specification of used oil.

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 51.8
Potential (tpy): 227
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):

Synthetic Limited:
Emission Factor: 0.061
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SAM -- Sulfuric Acid Mist
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 400
Potential (tpy): 1750
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 71
Emission Factor Unit: 011 -- LB/1000 GAL
Emission Factor Ref: AP-42
Emission Calculation:

Comment:

Pollutant: TH -- Total Halogens
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 1000 ppm as specification of used oil.

Pollutant: VOC -- Volatile Organic Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Allowable Emissions Information for EU 6

Pollutant: **NOX**
Sequence Number: 2
Allowable Emission: 530
Unit: PH -- POUNDS/HOUR
Equivalent (lb/hr): 530
Equivalent (tpy): 2321
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: EPA Method 7 or 7E reference by 62-201.800 & Project 005-AC
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Allowable Emission Comment: Allowable emission rate based on turbine inlet of 59 degrees F. Test one CT each federal fiscal year

Visible Emissions Information for EU 6

VE Subtype: VE20
Number of VE Tests: 3

Allowable Opacity Exceptional Condition (%):

Maximum Period of Exceptional Condition (min/hr):

Basis: RULE
Regulation: 62-296.320(4)(b)1.
COM Required:
Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Comment: Test not required in years that fuel oil is fired <400 hrs.

Continuous Monitor for EU 6

No Continuous Monitor information found for this EU

Emission Unit ID: 7
Status: A
Description: Combustion Turbine #5
Type: 11.02 -- Gas Turbines
EU Classification: R
Acid Rain Unit: N
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW): 63
Model Number: MS7000B
Manufacturer: General Electric
Ozone SIP Base Year Unit:
Startup Date: 5/3/1974
Long-term Reserve Shutdown Date:
Comment: The generator nameplate rating given for the gas turbines is the kilowatt rating/1,000 of one gas turbine (out of a bank of 12) at a 59 degree F condition.

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):
Heat Input Rate (mmBTU/hr): 895
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment: Each gas turbine is currently limited to 895 mmBtu heat input per hour at 25 degrees F, at 760 mmBtu heat input per hour at 59 degrees F.

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-296.320(4)(b)1.

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 7

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	7
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	32
Exit Diameter (ft):	11.4
Exit Temperature (°F):	975
Exit Velocity (ft/s):	189.4
Actual Volumetric Flow Rate (acfm):	1160000
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2952
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 7

Segment #:	1
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	Gas turbine bank (1-12) burning distillate oil.
mmBtu/SCC Unit:	136
Max Hourly Rate:	67
Hourly Rate Limit:	
Max Annual Rate:	586920
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	
Comment:	Max% ash=0.01. Max Annual Rate information provided in is based on 8760 hrs/yr of operation. CALCULATIONS:10200mmbtu/hr / 136mmBtu/kgal = 75 kgal/hr, 75 kgal/hour*8760 hours/year = 657000 kgal/yr /12

Segment #:	2
SCC Code:	10101302
Description 1:	External Combustion Boilers
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil
Status:	I
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Segment #:	3
SCC Code:	20101302
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil - Turbine
Status:	A
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Pollutant(s) Summary for EU 7

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	40.8
Potential (tpy):	179
Emission Method:	3
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	0.048
Emission Factor Unit:	025 -- LB/MMBTU

Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: H015 -- Arsenic Compounds (inorganic including arsine)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 5 ppm as specification of used oil.

Pollutant: H027 -- Cadmium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: H046 -- Chromium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 10 ppm as specification of used oil.

Pollutant: H106 -- Hydrogen chloride (Hydrochloric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H107 -- Hydrogen fluoride (Hydrofluoric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H113 -- Manganese Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H133 -- Nickel Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS

Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H148 -- Phosphorus
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H150 -- Polychlorinated biphenyls (Aroclors)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: HAPS -- Total Hazardous Air Pollutants
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):

Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 530
Potential (tpy): 2321
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 530
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: PB -- Lead - Total (elemental lead and lead compounds)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 100 ppm as specification of used oil.

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 51.8
Potential (tpy): 227
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.061
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: AP-42
Emission Calculation:

Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SAM -- Sulfuric Acid Mist
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 400
Potential (tpy): 1750
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 71
Emission Factor Unit: 011 -- LB/1000 GAL
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: TH -- Total Halogens
Primary Control:

Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	Limited to 1000 ppm as specification of used oil.

Pollutant:	VOC -- Volatile Organic Compounds
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	

Allowable Emissions Information for EU 7

Pollutant:	**NOX**
Sequence Number:	2
Allowable Emission:	530
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	530
Equivalent (tpy):	2321
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	EPA Method 7 or 7E reference by 62-201.800 & Project 005-AC
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Allowable Emission Comment:	Allowable emission rate based on turbine inlet of 59 degrees F. Test one CT each federal fiscal year

Visible Emissions Information for EU 7

VE Subtype:	VE20
Number of VE Tests:	1
Allowable Opacity Exceptional Condition (%):	

Maximum Period of Exceptional Condition (min/hr):

Basis: RULE
Regulation: 62-296.320(4)(b)1.
COM Required:
Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Comment: Test not required in years that fuel oil is fired <400 hrs.

Continuous Monitor for EU 7

No Continuous Monitor information found for this EU

Emission Unit ID: 8
Status: A
Description: Combustion Turbine #6
Type: 11.02 -- Gas Turbines
EU Classification: R
Acid Rain Unit: N
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW): 63
Model Number: MS7000B
Manufacturer: General Electric
Ozone SIP Base Year Unit:
Startup Date: 5/3/1974
Long-term Reserve Shutdown Date:
Comment: The generator nameplate rating given for the gas turbines is the kilowatt rating/1,000 of one gas turbine (out of a bank of 12) at a 59 degree F condition.

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):
Heat Input Rate (mmBTU/hr): 895
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment: Each gas turbine is currently limited to 895 mmBtu heat input per hour at 25 degrees F, at 760 mmBtu heat input per hour at 59 degrees F.

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-296.320(4)(b)1.

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 8

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	8
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	32
Exit Diameter (ft):	11.4
Exit Temperature (°F):	975
Exit Velocity (ft/s):	189.4
Actual Volumetric Flow Rate (acfm):	1160000
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2952
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 8

Segment #:	1
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	Gas turbine bank (1-12) burning distillate oil.
mmBtu/SCC Unit:	136
Max Hourly Rate:	67
Hourly Rate Limit:	
Max Annual Rate:	586920
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	
Comment:	Max% ash=0.01. Max Annual Rate information provided in is based on 8760 hrs/yr of operation. CALCULATIONS:10200mmbtu/hr / 136mmBtu/kgal = 75 kgal/hr, 75 kgal/hour*8760 hours/year = 657000 kgal/yr /12

Segment #:	2
SCC Code:	10101302
Description 1:	External Combustion Boilers
Description 2:	Electric Generation
Description 3:	Liquid Waste

Description 4:	Waste Oil
Status:	I
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Segment #:	3
SCC Code:	20101302
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil - Turbine
Status:	A
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Pollutant(s) Summary for EU 8

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	40.8
Potential (tpy):	179
Emission Method:	3
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	0.048
Emission Factor Unit:	025 -- LB/MMBTU
Emission Factor Ref:	AP-42
Emission Calculation:	
Comment:	

Pollutant: H015 -- Arsenic Compounds (inorganic including arsine)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 5 ppm as specification of used oil.

Pollutant: H027 -- Cadmium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: H046 -- Chromium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 10 ppm as specification of used oil.

Pollutant: H106 -- Hydrogen chloride (Hydrochloric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:

Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H107 -- Hydrogen fluoride (Hydrofluoric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H113 -- Manganese Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H133 -- Nickel Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):

Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H148 -- Phosphorus
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H150 -- Polychlorinated biphenyls (Aroclors)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: HAPS -- Total Hazardous Air Pollutants
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:

Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 530
Potential (tpy): 2321
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 530
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: PB -- Lead - Total (elemental lead and lead compounds)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 100 ppm as specification of used oil.

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 51.8
Potential (tpy): 227
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.061
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:

Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SAM -- Sulfuric Acid Mist
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 400
Potential (tpy): 1750
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 71
Emission Factor Unit: 011 -- LB/1000 GAL
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: TH -- Total Halogens
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):

Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 1000 ppm as specification of used oil.

Pollutant: VOC -- Volatile Organic Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Allowable Emissions Information for EU 8

Pollutant: **NOX**
Sequence Number: 2
Allowable Emission: 530
Unit: PH -- POUNDS/HOUR
Equivalent (lb/hr): 530
Equivalent (tpy): 2321
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: EPA Method 7 or 7E reference by 62-201.800 & Project 005-AC
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Allowable Emission Comment: Allowable emission rate based on turbine inlet of 59 degrees F. Test one CT each federal fiscal year

Visible Emissions Information for EU 8

VE Subtype: VE20
Number of VE Tests: 2

Allowable Opacity Exceptional Condition (%):

Maximum Period of Exceptional Condition (min/hr):

Basis: RULE

Regulation: 62-296.320(4)(b)1.
COM Required:
Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Comment: Test not required in years that fuel oil is fired <400 hrs.

Continuous Monitor for EU 8

No Continuous Monitor information found for this EU

Emission Unit ID: 9
Status: A
Description: Combustion Turbine #7
Type: 11.02 -- Gas Turbines
EU Classification: R
Acid Rain Unit: N
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW): 63
Model Number: MS7000B
Manufacturer: General Electric
Ozone SIP Base Year Unit:
Startup Date: 5/3/1974
Long-term Reserve Shutdown Date:
Comment: The generator nameplate rating given for the gas turbines is the kilowatt rating/1,000 of one gas turbine (out of a bank of 12) at a 59 degree F condition.

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):
Heat Input Rate (mmBTU/hr): 895
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment: Each gas turbine is currently limited to 895 mmBtu heat input per hour at 25 degrees F, at 760 mmBtu heat input per hour at 59 degrees F.

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-296.320(4)(b)1.

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 9

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	9
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	32
Exit Diameter (ft):	11.4
Exit Temperature (°F):	975
Exit Velocity (ft/s):	189.4
Actual Volumetric Flow Rate (acfm):	1160000
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2952
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 9

Segment #:	1
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	Gas turbine bank (1-12) burning distillate oil.
mmBtu/SCC Unit:	136
Max Hourly Rate:	67
Hourly Rate Limit:	
Max Annual Rate:	586920
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	
Comment:	Max% ash=0.01. Max Annual Rate information provided in is based on 8760 hrs/yr of operation. CALCULATIONS:10200mmbtu/hr / 136mmBtu/kgal = 75 kgal/hr, 75 kgal/hour*8760 hours/year = 657000 kgal/yr /12

Segment #:	2
SCC Code:	10101302
Description 1:	External Combustion Boilers
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil
Status:	I
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	

Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.
Segment #:	3
SCC Code:	20101302
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil - Turbine
Status:	A
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Pollutant(s) Summary for EU 9

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	40.8
Potential (tpy):	179
Emission Method:	3
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	0.048
Emission Factor Unit:	025 -- LB/MMBTU
Emission Factor Ref:	AP-42
Emission Calculation:	
Comment:	

Pollutant:	H015 -- Arsenic Compounds (inorganic including arsine)
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL

Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 5 ppm as specification of used oil.

Pollutant: H027 -- Cadmium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: H046 -- Chromium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 10 ppm as specification of used oil.

Pollutant: H106 -- Hydrogen chloride (Hydrochloric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):

Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H107 -- Hydrogen fluoride (Hydrofluoric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H113 -- Manganese Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H133 -- Nickel Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:

Comment:

Pollutant: H148 -- Phosphorus
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H150 -- Polychlorinated biphenyls (Aroclors)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: HAPS -- Total Hazardous Air Pollutants
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control:

Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 530
Potential (tpy): 2321
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 530
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: PB -- Lead - Total (elemental lead and lead compounds)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 100 ppm as specification of used oil.

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 51.8
Potential (tpy): 227
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.061
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):

Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SAM -- Sulfuric Acid Mist
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 400
Potential (tpy): 1750
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 71
Emission Factor Unit: 011 -- LB/1000 GAL
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: TH -- Total Halogens
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:

Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 1000 ppm as specification of used oil.

Pollutant: VOC -- Volatile Organic Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Allowable Emissions Information for EU 9

Pollutant: **NOX**
Sequence Number: 2
Allowable Emission: 530
Unit: PH -- POUNDS/HOUR
Equivalent (lb/hr): 530
Equivalent (tpy): 2321
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: EPA Method 7 or 7E reference by 62-201.800 & Project 005-AC
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Allowable Emission Comment: Allowable emission rate based on turbine inlet of 59 degrees F. Test one CT each federal fiscal year

Visible Emissions Information for EU 9

VE Subtype: VE20
Number of VE Tests: 3

Allowable Opacity Exceptional Condition (%):

Maximum Period of Exceptional Condition (min/hr):

Basis: RULE
Regulation: 62-296.320(4)(b)1.
COM Required:
Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Comment: Test not required in years that fuel oil is fired <400 hrs.

Continuous Monitor for EU 9

No Continuous Monitor information found for this EU

Emission Unit ID:	**10**
Status:	A
Description:	Combustion Turbine #8
Type:	11.02 -- Gas Turbines
EU Classification:	R
Acid Rain Unit:	N
EU Major Group SIC:	49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):	63
Model Number:	MS7000B
Manufacturer:	General Electric
Ozone SIP Base Year Unit:	
Startup Date:	5/3/1974
Long-term Reserve Shutdown Date:	
Comment:	The generator nameplate rating given for the gas turbines is the kilowatt rating/1,000 of one gas turbine (out of a bank of 12) at a 59 degree F condition.

Operating Capacity

Dwell Temp (F):	
Dwell Time (Sec):	
Afterburner Temp (F):	
Heat Input Rate (mmBTU/hr):	895
Incin. Rate (lb/hr):	
Incin. Rate (ton/day):	
Throughput:	
Throughput Unit:	
Production:	
Production Unit:	
Operating Capacity Comment:	Each gas turbine is currently limited to 895 mmBtu heat input per hour at 25 degrees F, at 760 mmBtu heat input per hour at 59 degrees F.

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-296.320(4)(b)1.

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 10

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	10
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION

Height (ft):	32
Exit Diameter (ft):	11.4
Exit Temperature (°F):	975
Exit Velocity (ft/s):	189.4
Actual Volumetric Flow Rate (acfm):	1160000
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2952
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 10

Segment #:	1
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	Gas turbine bank (1-12) burning distillate oil.
mmBtu/SCC Unit:	136
Max Hourly Rate:	67
Hourly Rate Limit:	
Max Annual Rate:	586920
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	
Comment:	Max% ash=0.01. Max Annual Rate information provided in is based on 8760 hrs/yr of operation. CALCULATIONS:10200mmbtu/hr / 136mmBtu/kgal = 75 kgal/hr, 75 kgal/hour*8760 hours/year = 657000 kgal/yr /12

Segment #:	2
SCC Code:	10101302
Description 1:	External Combustion Boilers
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil
Status:	I
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	

Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.
Segment #:	3
SCC Code:	20101302
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil - Turbine
Status:	A
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Pollutant(s) Summary for EU 10

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	40.8
Potential (tpy):	179
Emission Method:	3
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	0.048
Emission Factor Unit:	025 -- LB/MMBTU
Emission Factor Ref:	AP-42
Emission Calculation:	
Comment:	

Pollutant:	H015 -- Arsenic Compounds (inorganic including arsine)
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	

Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 5 ppm as specification of used oil.

Pollutant: H027 -- Cadmium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: H046 -- Chromium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 10 ppm as specification of used oil.

Pollutant: H106 -- Hydrogen chloride (Hydrochloric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H107 -- Hydrogen fluoride (Hydrofluoric acid)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H113 -- Manganese Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H133 -- Nickel Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H148 -- Phosphorus
Primary Control:
Secondary Control:

Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H150 -- Polychlorinated biphenyls (Aroclors)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: HAPS -- Total Hazardous Air Pollutants
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 530
Potential (tpy): 2321
Emission Method: 0

Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 530
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: PB -- Lead - Total (elemental lead and lead compounds)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 100 ppm as specification of used oil.

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 51.8
Potential (tpy): 227
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.061
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:

Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SAM -- Sulfuric Acid Mist
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 400
Potential (tpy): 1750
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 71
Emission Factor Unit: 011 -- LB/1000 GAL
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: TH -- Total Halogens
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 1000 ppm as specification of used oil.

Pollutant:	VOC -- Volatile Organic Compounds
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	

Allowable Emissions Information for EU 10

Pollutant:	**NOX**
Sequence Number:	2
Allowable Emission:	530
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	530
Equivalent (tpy):	2321
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	EPA Method 7 or 7E reference by 62-201.800 & Project 005-AC
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Allowable Emission Comment:	Allowable emission rate based on turbine inlet of 59 degrees F. Test one CT each federal fiscal year

Visible Emissions Information for EU 10

VE Subtype:	VE20
Number of VE Tests:	4
Allowable Opacity Exceptional Condition (%):	
Maximum Period of Exceptional Condition (min/hr):	
Basis:	RULE
Regulation:	62-296.320(4)(b)1.
COM Required:	
Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Comment:	Test not required in years that fuel oil is fired <400 hrs.

Continuous Monitor for EU 10

No Continuous Monitor information found for this EU

Emission Unit ID:	**11**
Status:	A
Description:	Combustion Turbine #9
Type:	11.02 -- Gas Turbines
EU Classification:	R
Acid Rain Unit:	N
EU Major Group SIC:	49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):	63
Model Number:	MS7000B
Manufacturer:	General Electric
Ozone SIP Base Year Unit:	
Startup Date:	5/3/1974
Long-term Reserve Shutdown Date:	
Comment:	The generator nameplate rating given for the gas turbines is the kilowatt rating/1,000 of one gas turbine (out of a bank of 12) at a 59 degree F condition.

Operating Capacity

Dwell Temp (F):	
Dwell Time (Sec):	
Afterburner Temp (F):	
Heat Input Rate (mmBTU/hr):	895
Incin. Rate (lb/hr):	
Incin. Rate (ton/day):	
Throughput:	
Throughput Unit:	
Production:	
Production Unit:	
Operating Capacity Comment:	Each gas turbine is currently limited to 895 mmBtu heat input per hour at 25 degrees F, at 760 mmBtu heat input per hour at 59 degrees F.

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-296.320(4)(b)1.

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 11

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	11
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	32
Exit Diameter (ft):	11.4
Exit Temperature (°F):	975
Exit Velocity (ft/s):	189.4
Actual Volumetric Flow Rate (acfm):	1160000

Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2952
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 11

Segment #:	1
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	Gas turbine bank (1-12) burning distillate oil.
mmBtu/SCC Unit:	136
Max Hourly Rate:	67
Hourly Rate Limit:	
Max Annual Rate:	586920
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	
Comment:	Max% ash=0.01. Max Annual Rate information provided in is based on 8760 hrs/yr of operation. CALCULATIONS:10200mmbtu/hr / 136mmBtu/kgal = 75 kgal/hr, 75 kgal/hour*8760 hours/year = 657000 kgal/yr /12

Segment #:	2
SCC Code:	10101302
Description 1:	External Combustion Boilers
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil
Status:	I
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Segment #:	3
SCC Code:	20101302
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil - Turbine
Status:	A
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Pollutant(s) Summary for EU 11

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	40.8
Potential (tpy):	179
Emission Method:	3
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	0.048
Emission Factor Unit:	025 -- LB/MMBTU
Emission Factor Ref:	AP-42
Emission Calculation:	
Comment:	

Pollutant:	H015 -- Arsenic Compounds (inorganic including arsine)
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	Limited to 5 ppm as specification of used oil.

Pollutant: H027 -- Cadmium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: H046 -- Chromium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 10 ppm as specification of used oil.

Pollutant: H113 -- Manganese Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H133 -- Nickel Compounds
Primary Control:
Secondary Control:

Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H148 -- Phosphorus
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H150 -- Polychlorinated biphenyls (Aroclors)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: HAPS -- Total Hazardous Air Pollutants
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:

Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 530
Potential (tpy): 2321
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 530
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: PB -- Lead - Total (elemental lead and lead compounds)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 100 ppm as specification of used oil.

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 51.8
Potential (tpy): 227
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.061
Emission Factor Unit: 025 -- LB/MMBTU

Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SAM -- Sulfuric Acid Mist
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 400
Potential (tpy): 1750
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 71
Emission Factor Unit: 011 -- LB/1000 GAL
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant:	TH -- Total Halogens
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	Limited to 1000 ppm as specification of used oil.

Pollutant:	VOC -- Volatile Organic Compounds
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	

Allowable Emissions Information for EU 11

Pollutant:	**NOX**
Sequence Number:	2
Allowable Emission:	530
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	530
Equivalent (tpy):	2321
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	EPA Method 7 or 7E reference by 62-201.800 & Project 005-AC
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Allowable Emission Comment:	Allowable emission rate based on turbine inlet of 59 degrees F. Test one CT each federal fiscal year

Visible Emissions Information for EU 11

VE Subtype:	VE20
Number of VE Tests:	2

Allowable Opacity Exceptional Condition (%):

Maximum Period of Exceptional Condition (min/hr):

Basis: RULE
Regulation: 62-296.320(4)(b)1.
COM Required:
Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Comment: Test not required in years that fuel oil is fired <400 hrs.

Continuous Monitor for EU 11

No Continuous Monitor information found for this EU

Emission Unit ID: 12
Status: A
Description: Combustion Turbine #10
Type: 11.02 -- Gas Turbines
EU Classification: R
Acid Rain Unit: N
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW): 63
Model Number: MS7000B
Manufacturer: General Electric
Ozone SIP Base Year Unit:
Startup Date: 5/3/1974
Long-term Reserve Shutdown Date:
Comment: The generator nameplate rating given for the gas turbines is the kilowatt rating/1,000 of one gas turbine (out of a bank of 12) at a 59 degree F condition.

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):
Heat Input Rate (mmBTU/hr): 895
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment: Each gas turbine is currently limited to 895 mmBtu heat input per hour at 25 degrees F, at 760 mmBtu heat input per hour at 59 degrees F.

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-296.320(4)(b)1.

Control Equipment
No Control Equipment found for this EU

PSD
NO PSD Information found for this EU

Emission Point Information for EU 12

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	12
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	32
Exit Diameter (ft):	11.4
Exit Temperature (°F):	975
Exit Velocity (ft/s):	189.4
Actual Volumetric Flow Rate (acfm):	1160000
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2952
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common
NO EUs IN COMMON

Segment(s) Information for EU 12

Segment #:	1
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	Gas turbine bank (1-12) burning distillate oil.
mmBtu/SCC Unit:	136
Max Hourly Rate:	67
Hourly Rate Limit:	
Max Annual Rate:	586920
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	
Comment:	Max% ash=0.01. Max Annual Rate information provided in is based on 8760 hrs/yr of operation. CALCULATIONS:10200mmbtu/hr / 136mmBtu/kgal = 75 kgal/hr, 75 kgal/hour*8760 hours/year = 657000 kgal/yr /12

Segment #:	2
SCC Code:	10101302
Description 1:	External Combustion Boilers

Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil
Status:	I
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Segment #:	3
SCC Code:	20101302
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil - Turbine
Status:	A
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Pollutant(s) Summary for EU 12

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	40.8
Potential (tpy):	179
Emission Method:	3
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	0.048
Emission Factor Unit:	025 -- LB/MMBTU
Emission Factor Ref:	AP-42
Emission Calculation:	
Comment:	

Pollutant: H015 -- Arsenic Compounds (inorganic including arsine)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 5 ppm as specification of used oil.

Pollutant: H027 -- Cadmium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: H046 -- Chromium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 10 ppm as specification of used oil.

Pollutant: H113 -- Manganese Compounds
Primary Control:
Secondary Control:

Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H133 -- Nickel Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H148 -- Phosphorus
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H150 -- Polychlorinated biphenyls (Aroclors)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:

Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: HAPS -- Total Hazardous Air Pollutants
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 530
Potential (tpy): 2321
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 530
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: PB -- Lead - Total (elemental lead and lead compounds)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:

Emission Factor Ref:
Emission Calculation:
Comment: Limited to 100 ppm as specification of used oil.

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 51.8
Potential (tpy): 227
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.061
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SAM -- Sulfuric Acid Mist
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 400
Potential (tpy): 1750
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 71
Emission Factor Unit: 011 -- LB/1000 GAL
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: TH -- Total Halogens
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 1000 ppm as specification of used oil.

Pollutant: VOC -- Volatile Organic Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Allowable Emissions Information for EU 12

Pollutant: **NOX**
Sequence Number: 2
Allowable Emission: 530
Unit: PH -- POUNDS/HOUR

Equivalent (lb/hr):	530
Equivalent (tpy):	2321
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	EPA Method 7 or 7E reference by 62-201.800 & Project 005-AC
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Allowable Emission Comment:	Allowable emission rate based on turbine inlet of 59 degrees F. Test one CT each federal fiscal year

Visible Emissions Information for EU 12

VE Subtype:	VE20
Number of VE Tests:	1
Allowable Opacity Exceptional Condition (%):	
Maximum Period of Exceptional Condition (min/hr):	
Basis:	RULE
Regulation:	62-296.320(4)(b)1.
COM Required:	
Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Comment:	Test not required in years that fuel oil is fired <400 hrs.

Continuous Monitor for EU 12

No Continuous Monitor information found for this EU

Emission Unit ID:	**13**
Status:	A
Description:	Combustion Turbine #11
Type:	11.02 -- Gas Turbines
EU Classification:	R
Acid Rain Unit:	N
EU Major Group SIC:	49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):	63
Model Number:	MS7000B
Manufacturer:	General Electric
Ozone SIP Base Year Unit:	
Startup Date:	5/3/1974
Long-term Reserve Shutdown Date:	
Comment:	The generator nameplate rating given for the gas turbines is the kilowatt rating/1,000 of one gas turbine (out of a bank of 12) at a 59 degree F condition.

Operating Capacity

Dwell Temp (F):	
Dwell Time (Sec):	

Afterburner Temp (F):	
Heat Input Rate (mmBTU/hr):	895
Incin. Rate (lb/hr):	
Incin. Rate (ton/day):	
Throughput:	
Throughput Unit:	
Production:	
Production Unit:	
Operating Capacity Comment:	Each gas turbine is currently limited to 895 mmBtu heat input per hour at 25 degrees F, at 760 mmBtu heat input per hour at 59 degrees F.

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-296.320(4)(b)1.

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 13

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	13
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	32
Exit Diameter (ft):	11.4
Exit Temperature (°F):	975
Exit Velocity (ft/s):	189.4
Actual Volumetric Flow Rate (acfm):	1160000
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2952
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 13

Segment #:	1
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned

Segment Description:	Gas turbine bank (1-12) burning distillate oil.
mmBtu/SCC Unit:	136
Max Hourly Rate:	67
Hourly Rate Limit:	
Max Annual Rate:	586920
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	
Comment:	Max% ash=0.01. Max Annual Rate information provided in is based on 8760 hrs/yr of operation. CALCULATIONS:10200mmbtu/hr / 136mmBtu/kgal = 75 kgal/hr, 75 kgal/hour*8760 hours/year = 657000 kgal/yr /12
Segment #:	2
SCC Code:	10101302
Description 1:	External Combustion Boilers
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil
Status:	I
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.
Segment #:	3
SCC Code:	20101302
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil - Turbine
Status:	A
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Pollutant(s) Summary for EU 13

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	40.8
Potential (tpy):	179
Emission Method:	3
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	0.048
Emission Factor Unit:	025 -- LB/MMBTU
Emission Factor Ref:	AP-42
Emission Calculation:	
Comment:	

Pollutant:	H015 -- Arsenic Compounds (inorganic including arsine)
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	Limited to 5 ppm as specification of used oil.

Pollutant:	H027 -- Cadmium Compounds
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	Limited to 2 ppm as specification of used oil.

Pollutant:	H046 -- Chromium Compounds
Primary Control:	
Secondary Control:	

Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 10 ppm as specification of used oil.

Pollutant: H113 -- Manganese Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H133 -- Nickel Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H148 -- Phosphorus
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:

Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H150 -- Polychlorinated biphenyls (Aroclors)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: HAPS -- Total Hazardous Air Pollutants
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 530
Potential (tpy): 2321
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 530
Emission Factor Unit: 021 -- LB/HR

Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: PB -- Lead - Total (elemental lead and lead compounds)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 100 ppm as specification of used oil.

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 51.8
Potential (tpy): 227
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.061
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SAM -- Sulfuric Acid Mist
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 400
Potential (tpy): 1750
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 71
Emission Factor Unit: 011 -- LB/1000 GAL
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: TH -- Total Halogens
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 1000 ppm as specification of used oil.

Pollutant: VOC -- Volatile Organic Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS

Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Allowable Emissions Information for EU 13

Pollutant:	**NOX**
Sequence Number:	2
Allowable Emission:	530
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	530
Equivalent (tpy):	2321
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	EPA Method 7 or 7E reference by 62-201.800 & Project 005-AC
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Allowable Emission Comment:	Allowable emission rate based on turbine inlet of 59 degrees F. Test one CT each federal fiscal year

Visible Emissions Information for EU 13

VE Subtype:	VE20
Number of VE Tests:	2
Allowable Opacity Exceptional Condition (%):	
Maximum Period of Exceptional Condition (min/hr):	
Basis:	RULE
Regulation:	62-296.320(4)(b)1.
COM Required:	
Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Comment:	Test not required in years that fuel oil is fired <400 hrs.

Continuous Monitor for EU 13

No Continuous Monitor information found for this EU

Emission Unit ID: 14
Status: A

Description:	Combustion Turbine #12
Type:	11.02 -- Gas Turbines
EU Classification:	R
Acid Rain Unit:	N
EU Major Group SIC:	49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):	63
Model Number:	MS7000B
Manufacturer:	General Electric
Ozone SIP Base Year Unit:	
Startup Date:	5/3/1974
Long-term Reserve Shutdown Date:	
Comment:	The generator nameplate rating given for the gas turbines is the kilowatt rating/1,000 of one gas turbine (out of a bank of 12) at a 59 degree F condition.

Operating Capacity

Dwell Temp (F):	
Dwell Time (Sec):	
Afterburner Temp (F):	
Heat Input Rate (mmBTU/hr):	895
Incin. Rate (lb/hr):	
Incin. Rate (ton/day):	
Throughput:	
Throughput Unit:	
Production:	
Production Unit:	
Operating Capacity Comment:	Each gas turbine is currently limited to 895 mmBtu heat input per hour at 25 degrees F, at 760 mmBtu heat input per hour at 59 degrees F.

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-296.320(4)(b)1.

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 14

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	14
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	32
Exit Diameter (ft):	11.4
Exit Temperature (°F):	975
Exit Velocity (ft/s):	189.4
Actual Volumetric Flow Rate (acfm):	1160000
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2952
UTM East (km):	422.3

GEP Stack Height (ft):
Non-Stack Height (ft):
Comment:

Other EUs With This Point in Common
NO EUs IN COMMON

Segment(s) Information for EU 14

Segment #:	1
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	Gas turbine bank (1-12) burning distillate oil.
mmBtu/SCC Unit:	136
Max Hourly Rate:	67
Hourly Rate Limit:	
Max Annual Rate:	586920
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	
Comment:	Max% ash=0.01. Max Annual Rate information provided in is based on 8760 hrs/yr of operation. CALCULATIONS:10200mmbtu/hr / 136mmBtu/kgal = 75 kgal/hr, 75 kgal/hour*8760 hours/year = 657000 kgal/yr /12

Segment #:	2
SCC Code:	10101302
Description 1:	External Combustion Boilers
Description 2:	Electric Generation
Description 3:	Liquid Waste
Description 4:	Waste Oil
Status:	I
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-Specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Segment #:	3
SCC Code:	20101302
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation

Description 3:	Liquid Waste
Description 4:	Waste Oil - Turbine
Status:	A
Unit:	1000 Gallons Waste Oil Burned
Segment Description:	On-specification used oil.
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	1500
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Used oil specifications: Arsenic 5 ppm, Cadmium 2 ppm, Chromium 10 ppm, Lead 100 ppm, Total Halogens 1000 ppm, PCB 2 ppm, Flash point 100 degrees F.

Pollutant(s) Summary for EU 14

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	40.8
Potential (tpy):	179
Emission Method:	3
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	0.048
Emission Factor Unit:	025 -- LB/MMBTU
Emission Factor Ref:	AP-42
Emission Calculation:	
Comment:	

Pollutant:	H015 -- Arsenic Compounds (inorganic including arsine)
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	Limited to 5 ppm as specification of used oil.

Pollutant:	H027 -- Cadmium Compounds
Primary Control:	
Secondary Control:	

Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: H046 -- Chromium Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 10 ppm as specification of used oil.

Pollutant: H113 -- Manganese Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H133 -- Nickel Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:

Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H148 -- Phosphorus
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: H150 -- Polychlorinated biphenyls (Aroclors)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 2 ppm as specification of used oil.

Pollutant: HAPS -- Total Hazardous Air Pollutants
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:

Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 530
Potential (tpy): 2321
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 530
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: PB -- Lead - Total (elemental lead and lead compounds)
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 100 ppm as specification of used oil.

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 51.8
Potential (tpy): 227
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.061
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SAM -- Sulfuric Acid Mist
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 400
Potential (tpy): 1750
Emission Method: 3
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 71
Emission Factor Unit: 011 -- LB/1000 GAL
Emission Factor Ref: AP-42
Emission Calculation:
Comment:

Pollutant: TH -- Total Halogens
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL

Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: Limited to 1000 ppm as specification of used oil.

Pollutant: VOC -- Volatile Organic Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Allowable Emissions Information for EU 14

Pollutant: **NOX**
Sequence Number: 2
Allowable Emission: 530
Unit: PH -- POUNDS/HOUR
Equivalent (lb/hr): 530
Equivalent (tpy): 2321
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: EPA Method 7 or 7E reference by 62-201.800 & Project 005-AC
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Allowable Emission Comment: Allowable emission rate based on turbine inlet of 59 degrees F. Test one CT each federal fiscal yearEPA Method 7 or 7E reference by 62-201.800 & Project 005-AC

Visible Emissions Information for EU 14

VE Subtype: VE20
Number of VE Tests: 2

Allowable Opacity Exceptional Condition (%):

Maximum Period of Exceptional

Condition (min/hr):

Basis: RULE
Regulation: 62-296.320(4)(b)1.
COM Required:
Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Comment: Test not required in years that fuel oil is fired <400 hrs.

Continuous Monitor for EU 14

No Continuous Monitor information found for this EU

Emission Unit ID: 15
Status: A
Description: Painting of equip. & non halogenated solvent cleaning.
Type: 12.03 -- Insignificant Activity (NO AOR)
EU Classification: U
Acid Rain Unit: N
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):
Model Number:
Manufacturer:
Ozone SIP Base Year Unit:
Startup Date:
Long-term Reserve Shutdown Date:
Comment:

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):
Heat Input Rate (mmBTU/hr):
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment:

EU Schedule

NO EU Schedule Information found for this EU

EU Regulations

NO EU Regulations found for this EU

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 15

Type:	4 -- NO TRUE EMISSION POINT (FUGITIVE EMISSION)
Stack #:	15
Discharge Type:	F -- FUGITIVE EMISSIONS, NO STACK EXISTS
Height (ft):	
Exit Diameter (ft):	
Exit Temperature (°F):	
Exit Velocity (ft/s):	
Actual Volumetric Flow Rate (acfm):	
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	
UTM North (km):	
UTM East (km):	
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 15

Segment #:	1
SCC Code:	49099998
Description 1:	Petroleum and Solvent Evaporation
Description 2:	Organic Solvent Evaporation
Description 3:	Miscellaneous Volatile Organic Compound Evaporation
Description 4:	Identify the Process and Solvent in Comments
Status:	A
Unit:	Gallons Solvent Consumed
Segment Description:	
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Non halogenated solvent evaporation and painting of plant equipment.

Pollutant(s) Summary for EU 15

Pollutant:	VOC -- Volatile Organic Compounds
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	

Emission Factor Ref:
Emission Calculation:
Comment:

No Allowable Emissions Information for this EU

Visible Emissions Information for EU 15

No Visible Emission information found for this EU

Continuous Monitor for EU 15

No Continuous Monitor information found for this EU

Emission Unit ID: **16**
Status: A
Description: Miscellaneous mobile equip & internal combustion engines.
Type: 12.03 -- Insignificant Activity (NO AOR)
EU Classification: U
Acid Rain Unit: N
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):
Model Number:
Manufacturer:
Ozone SIP Base Year Unit:
Startup Date:
Long-term Reserve Shutdown Date:
Comment:

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):
Heat Input Rate (mmBTU/hr):
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment:

EU Schedule

NO EU Schedule Information found for this EU

EU Regulations

NO EU Regulations found for this EU

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 16

Type:	4 -- NO TRUE EMISSION POINT (FUGITIVE EMISSION)
Stack #:	16
Discharge Type:	F -- FUGITIVE EMISSIONS, NO STACK EXISTS
Height (ft):	
Exit Diameter (ft):	
Exit Temperature (°F):	
Exit Velocity (ft/s):	
Actual Volumetric Flow Rate (acfm):	
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	
UTM North (km):	
UTM East (km):	
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 16

Segment #:	2
SCC Code:	20100102
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Reciprocating
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	
mmBtu/SCC Unit:	136
Max Hourly Rate:	0.02
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	
Comment:	

Pollutant(s) Summary for EU 16

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	

Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: VOC -- Volatile Organic Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

No Allowable Emissions Information for this EU

Visible Emissions Information for EU 16

No Visible Emission information found for this EU

Continuous Monitor for EU 16

No Continuous Monitor information found for this EU

Emission Unit ID: 17
Status: A
Description: Emergency diesel generator
Type: 12.03 -- Insignificant Activity (NO AOR)
EU Classification: U
Acid Rain Unit: N
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):
Model Number:
Manufacturer:
Ozone SIP Base Year Unit: Y

Startup Date:
Long-term Reserve Shutdown Date:
Comment:

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):
Heat Input Rate (mmBTU/hr):
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment:

EU Schedule

NO EU Schedule Information found for this EU

EU Regulations

NO EU Regulations found for this EU

Control Equipment

No Control Equipment found for this EU

PSD

NO PSD Information found for this EU

Emission Point Information for EU 17

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	17
Discharge Type:	H -- A STACK DISCHARGING IN A HORIZONTAL, OR NEARLY HORIZONTAL DIRECTION
Height (ft):	12
Exit Diameter (ft):	0.5
Exit Temperature (°F):	950
Exit Velocity (ft/s):	252.1
Actual Volumetric Flow Rate (acfm):	2970
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	
UTM North (km):	
UTM East (km):	
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 17

Segment #:	3
SCC Code:	20100102
Description 1:	Internal Combustion Engines

Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Reciprocating
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	
mmBtu/SCC Unit:	136
Max Hourly Rate:	0.02
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	0.5
Percent S Limit:	
Max Percent Ash:	
Comment:	

Pollutant(s) Summary for EU 17

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	

Pollutant:	NOX -- Nitrogen Oxides
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	

Pollutant:	PM -- Particulate Matter - Total
Primary Control:	
Secondary Control:	
Control Efficiency:	

Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: VOC -- Volatile Organic Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):

Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

No Allowable Emissions Information for this EU

Visible Emissions Information for EU 17

No Visible Emission information found for this EU

Continuous Monitor for EU 17

No Continuous Monitor information found for this EU

Emission Unit ID: **18**
Status: A
Description: 250MW Combined Cycle Combustion Turbine (2A)
Type: 10.01 -- Electric Utilities
EU Classification: R
Acid Rain Unit: Y
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW): 170
Model Number: MS7241FA
Manufacturer: GENERAL ELECTRIC
Ozone SIP Base Year Unit:
Startup Date: 10/26/2000
Long-term Reserve Shutdown Date:
Comment: ONE OF SIX COMBUSTION TURBINES, PART OF THE 1500MW REPOWERINC PROJECT.170 MW CT WITH UNFIRED HRSG THAT WILL RAISE SUFFICIENT STEAM TO PRODUCE 80 MW VIA EXISTING STEAM DRIVEN ELECTRICAL GENERATORS.

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):
Heat Input Rate (mmBTU/hr): 1760
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment:

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
Federal	40 CFR 60, SUBPART GG

Federal 40 CFR 60, SUBPART A

Control Equipment

Control Device/Method	Control Equipment Description
25	Dry Low NOx combustor

PSD

NO PSD Information found for this EU

Emission Point Information for EU 18

Type:	3 -- MULTIPLE EMISSION POINTS SERVING 1 EMISSIONS UNIT
Stack #:	18
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	125
Exit Diameter (ft):	19
Exit Temperature (°F):	220
Exit Velocity (ft/s):	70.3
Actual Volumetric Flow Rate (acfm):	1196162
Water Vapor %:	7.6
Dry Standard Flow Rate:	858197
UTM Zone:	17
UTM North (km):	2953.03
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	TWO RELATIVELY SHORT STACKS FOR SIMPLE AND COMBINED OPERTION: UNIT CAN EXHAUST THROUGH A SIMPLE CYCLE BY-PASS STACK AND HRS(STACK.

Emission Point for Type 3

Test Point	Description

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 18

Segment #:	1
SCC Code:	20100201
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Natural Gas
Description 4:	Turbine
Status:	A
Unit:	Million Cubic Feet Natural Gas Burned
Segment Description:	
mmBtu/SCC Unit:	923
Max Hourly Rate:	1.91
Hourly Rate Limit:	
Max Annual Rate:	16722
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
	Maximum and Annual rate based on 59 degree F turbine inlet. MILLION

Comment: BTU/SCC AS LHV

Pollutant(s) Summary for EU 18

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	43
Potential (tpy):	188.3
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	N
Emission Factor:	12
Emission Factor Unit:	048 -- PPMVD @ 15% O2
Emission Factor Ref:	PERMIT
Emission Calculation:	
Comment:	

Pollutant:	H095 -- Formaldehyde
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	

Pollutant:	NOX -- Nitrogen Oxides
Primary Control:	25 -- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	65
Potential (tpy):	284.7
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	9
Emission Factor Unit:	048 -- PPMVD @ 15% O2
Emission Factor Ref:	PERMIT
Emission Calculation:	
Comment:	Averaging Time is 30-day. Permit 0710002-006AC. Compliance by CEMS.

Pollutant:	PM -- Particulate Matter - Total

Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	10
Potential (tpy):	43.8
Emission Method:	2
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	N
Emission Factor:	10
Emission Factor Unit:	021 -- LB/HR
Emission Factor Ref:	GE, 1998: B&V 1998
Emission Calculation:	
Comment:	LB/HR BASED ON MAXIMUM PROVIDED BY MANUFACTURER WITH PROVISION FOR MARGIN.

Pollutant:	PM10 -- Particulate Matter - PM10
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	10
Potential (tpy):	43.8
Emission Method:	2
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	N
Emission Factor:	10
Emission Factor Unit:	021 -- LB/HR
Emission Factor Ref:	GE, 1998
Emission Calculation:	
Comment:	LB/HR BASED ON MAXIMUM PROVIDED BY MANUFACTURER WITH MARGIN.

Pollutant:	SO2 -- Sulfur Dioxide
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	5.1
Potential (tpy):	22.5
Emission Method:	2
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	N
Emission Factor:	1
Emission Factor Unit:	099 -- OTHER (SPECIFY IN COMMENT)
Emission Factor Ref:	GOLDER, 1998
Emission Calculation:	
Comment:	1 Grain S/100CF. lb/hr and TPY @ 35 F turbine inlet temp.

Pollutant:	VOC -- Volatile Organic Compounds
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL

Potential (lb/hr):	2.9
Potential (tpy):	12.7
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	N
Emission Factor:	1.4
Emission Factor Unit:	044 -- PPMVD
Emission Factor Ref:	PERMIT
Emission Calculation:	
Comment:	

Allowable Emissions Information for EU 18

Pollutant:	**CO**
Sequence Number:	1
Allowable Emission:	12
Unit:	34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr):	43
Equivalent (tpy):	188.3
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	Initial and Annual testing
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Allowable Emission Comment:	Based on BACT for combustion turbines recently done in other facilities.

Pollutant:	**NOX**
Sequence Number:	1
Allowable Emission:	9
Unit:	34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr):	65
Equivalent (tpy):	284.7
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	30-day rolling average basis. Initial stack test required.
Compliance Method Code:	3 -- STACK TEST & CMS
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Allowable Emission Comment:	Limit of 75/110 ppmvd @ 15% O2 for a total of 90 day period/turbine at th end of construction. Based on BACT for combustion turbines recently done other facilities.

Pollutant:	**VOC**
Sequence Number:	1
Allowable Emission:	1.4
Unit:	04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr):	2.9
Equivalent (tpy):	12.7
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	Initial test required. CO limit as surrogate thereafter.
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	

Allowable Emission Comment: Based on BACT for combustion turbines recently done in other facilities.

Visible Emissions Information for EU 18

VE Subtype: VE10
Number of VE Tests: 3

Allowable Opacity Exceptional Condition (%):

Maximum Period of Exceptional Condition (min/hr):

Basis: OTHER
Regulation:
COM Required:
Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Comment: Based on BACT for combustion turbines recently done in other facilities.

Continuous Monitor for EU 18

CM ID	Parameter	Monitored Pollutant	Manufacturer	Model Number	Serial Number	Installation Date	Performance Specification Test Date	Test Status	Performance Specification Test Cert Date	Comment
1	EM	NOX	TEI	42CHL	66125-351	10/1/2000	10/11/2000	PASS		CEM meet requirement of 40 CFR Part 75
2	O2		SERVOMEX	1440C	01420C/1302	9/1/2000	10/11/2000	PASS		

Emission Unit ID: 19
Status: A
Description: 250MW Combined Cycle Combustion Turbine (2B)
Type: 10.01 -- Electric Utilities
EU Classification: R
Acid Rain Unit: Y
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW): 170
Model Number: MS7241FA
Manufacturer: GENERAL ELECTRIC
Ozone SIP Base Year Unit: N
Startup Date: 11/22/2000
Long-term Reserve Shutdown Date:
Comment: ONE OF SIX COMBUSTION TURBINES, PART OF THE 1500MW REPOWERINC PROJECT.170 MW CT WITH UNFIRED HRSG THAT WILL RAISE SUFFICIENT STEAM TO PRODUCE 80 MW VIA EXISTING STEAM DRIVEN ELECTRICAL GENERATORS.

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):

Heat Input Rate (mmBTU/hr): 1760
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment:

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
Federal	40 CFR 60, SUBPART GG
Federal	40 CFR 60, SUBPART A

Control Equipment

Control Device/Method	Control Equipment Description
25	Dry Low NOx combustor

PSD

NO PSD Information found for this EU

Emission Point Information for EU 19

Type: 3 -- MULTIPLE EMISSION POINTS SERVING 1 EMISSIONS UNIT
Stack #: 19
Discharge Type: V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft): 125
Exit Diameter (ft): 19
Exit Temperature (°F): 220
Exit Velocity (ft/s): 70.3
Actual Volumetric Flow Rate (acfm): 1196162
Water Vapor %: 7.6
Dry Standard Flow Rate: 858197
UTM Zone: 17
UTM North (km): 2953.03
UTM East (km): 422.3
GEP Stack Height (ft):
Non-Stack Height (ft):
Comment: TWO RELATIVELY SHORT STACKS FOR SIMPLE AND COMBINED OPERTION: UNIT CAN EXHAUST THROUGH A SIMPLE CYCLE BY-PASS STACK AND HRS(STACK.

Emission Point for Type 3

Test Point	Description

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 19

Segment #: 1
SCC Code: 20100201
Description 1: Internal Combustion Engines

Description 2:	Electric Generation
Description 3:	Natural Gas
Description 4:	Turbine
Status:	A
Unit:	Million Cubic Feet Natural Gas Burned
Segment Description:	
mmBtu/SCC Unit:	923
Max Hourly Rate:	1.91
Hourly Rate Limit:	
Max Annual Rate:	16722
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Maximum and Annual rate based on 59 degree F turbine inlet. MILLION BTU/SCC AS LHV

Pollutant(s) Summary for EU 19

Pollutant:	CO -- Carbon Monoxide
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	43
Potential (tpy):	188.3
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	N
Emission Factor:	12
Emission Factor Unit:	048 -- PPMVD @ 15% O2
Emission Factor Ref:	PERMIT
Emission Calculation:	
Comment:	

Pollutant:	H095 -- Formaldehyde
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	

Pollutant:	NOX -- Nitrogen Oxides
Primary Control:	25 -- Electrostatic Precipitator
Secondary Control:	

Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 65
Potential (tpy): 284.7
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 9
Emission Factor Unit: 048 -- PPMVD @ 15% O2
Emission Factor Ref: PERMIT
Emission Calculation:
Comment: Averaging time 30-days. BACT. Compliance by CEMS.

Pollutant: PM -- Particulate Matter - Total
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 10
Potential (tpy): 43.8
Emission Method: 2
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 10
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: GE, 1998: B&V 1998
Emission Calculation:
Comment: LB/HR BASED ON MAXIMUM PROVIDED BY MANUFACTURER WITH PROVISION FOR MARGIN.

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 10
Potential (tpy): 43.8
Emission Method: 2
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 10
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: GE, 1998
Emission Calculation:
Comment: LB/HR BASED ON MAXIMUM PROVIDED BY MANUFACTURER WITH MARGIN.

Pollutant: SO2 -- Sulfur Dioxide
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 5.1
Potential (tpy): 22.5

Emission Method:	2
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	N
Emission Factor:	1
Emission Factor Unit:	099 -- OTHER (SPECIFY IN COMMENT)
Emission Factor Ref:	GOLDER, 1998
Emission Calculation:	
Comment:	1 Grain S/100CF. lb/hr and TPY @ 35 F turbine inlet temp.

Pollutant:	VOC -- Volatile Organic Compounds
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	2.9
Potential (tpy):	12.7
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	N
Emission Factor:	1.4
Emission Factor Unit:	044 -- PPMVD
Emission Factor Ref:	PERMIT
Emission Calculation:	
Comment:	

Allowable Emissions Information for EU 19

Pollutant:	**CO**
Sequence Number:	1
Allowable Emission:	12
Unit:	34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr):	43
Equivalent (tpy):	188.3
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	Initial and annual testing.
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Allowable Emission Comment:	Based on BACT for combustion turbines recently done in other facilities.

Pollutant:	**NOX**
Sequence Number:	1
Allowable Emission:	9
Unit:	34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr):	65
Equivalent (tpy):	284.7
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	30-day rolling average basis. Initial stack test required.
Compliance Method Code:	3 -- STACK TEST & CMS
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002

Limit of 75/110 ppmvd @ 15% O2 for a total of 90 day period/turbine at th

Allowable Emission Comment: end of construction. Based on BACTfor combustion turbines recently done i other facilities.

Pollutant: **VOC**
Sequence Number: 1
Allowable Emission: 1.4
Unit: 04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr): 2.9
Equivalent (tpy): 12.7
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: Initial test required. CO limit as surrogate thereafter.
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Allowable Emission Comment: Based on BACT for combustion turbines recently done in other facilities.

Visible Emissions Information for EU 19

VE Subtype: VE10
Number of VE Tests: 4

Allowable Opacity Exceptional Condition (%):

Maximum Period of Exceptional Condition (min/hr):

Basis: OTHER
Regulation:
COM Required:
Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Comment: Based on BACT for combustion turbines recently done in other facilities.

Continuous Monitor for EU 19

CM ID	Parameter	Monitored Pollutant	Manufacturer	Model Number	Serial Number	Installation Date	Performance Specification Test Date	Test Status	Performance Specification Test Cert Date	Comment
1	EM	NOX	TEI	42CHL	66427-352	11/1/2000	11/8/2000	PASS		CEMs meet requirement of 40 CFR Part 75
2	O2		SERVOMEX	1440C	01420C/1304	11/1/2000	11/8/2000	PASS		

Emission Unit ID: 20
Status: A
Description: 250MW Combined Cycle Combustion Turbine (2C)
Type: 10.01 -- Electric Utilities
EU Classification: R
Acid Rain Unit: Y

EU Major Group SIC:	49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):	170
Model Number:	MS7241FA
Manufacturer:	GENERAL ELECTRIC
Ozone SIP Base Year Unit:	N
Startup Date:	12/22/2000
Long-term Reserve Shutdown Date:	
Comment:	ONE OF SIX COMBUSTION TURBINES, PART OF THE 1500MW REPOWERINC PROJECT.170 MW CT WITH UNFIRED HRSG THAT WILL RAISE SUFFICIENT STEAM TO PRODUCE 80 MW VIA EXISTING STEAM DRIVEN ELECTRICAL GENERATORS.

Operating Capacity

Dwell Temp (F):	
Dwell Time (Sec):	
Afterburner Temp (F):	
Heat Input Rate (mmBTU/hr):	1760
Incin. Rate (lb/hr):	
Incin. Rate (ton/day):	
Throughput:	
Throughput Unit:	
Production:	
Production Unit:	
Operating Capacity Comment:	

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
Federal	40 CFR 60, SUBPART GG
Federal	40 CFR 60, SUBPART A

Control Equipment

Control Device/Method	Control Equipment Description
25	Dry Low NOx combustor

PSD

NO PSD Information found for this EU

Emission Point Information for EU 20

Type:	3 -- MULTIPLE EMISSION POINTS SERVING 1 EMISSIONS UNIT
Stack #:	20
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	125
Exit Diameter (ft):	19
Exit Temperature (°F):	220
Exit Velocity (ft/s):	70.3
Actual Volumetric Flow Rate (acfm):	1196162
Water Vapor %:	7.6
Dry Standard Flow Rate:	858197
UTM Zone:	17
UTM North (km):	2953.03
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	

Comment: TWO RELATIVELY SHORT STACKS FOR SIMPLE AND COMBINEDOPERTIONS UNIT CAN EXHAUST THROUGH A SIMPLE CYCLE BY-PASS STACK AND HRS STACK.

Emission Point for Type 3

Test Point Description

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 20

Segment #:	1
SCC Code:	20100201
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Natural Gas
Description 4:	Turbine
Status:	A
Unit:	Million Cubic Feet Natural Gas Burned
Segment Description:	
mmBtu/SCC Unit:	923
Max Hourly Rate:	1.91
Hourly Rate Limit:	
Max Annual Rate:	16722
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Maximum and Annual rate based on 59 degree F turbine inlet. MILLION BTU/SCC AS LHV

Pollutant(s) Summary for EU 20

Pollutant:	CO -- Carbon Monoxide
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	43
Potential (tpy):	188.3
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	N
Emission Factor:	12
Emission Factor Unit:	048 -- PPMVD @ 15% O2
Emission Factor Ref:	PERMIT
Emission Calculation:	
Comment:	

Pollutant:	H095 -- Formaldehyde
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	

Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control: 25 -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 65
Potential (tpy): 284.7
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 9
Emission Factor Unit: 048 -- PPMVD @ 15% O2
Emission Factor Ref: PERMIT
Emission Calculation:
Comment: Averaging time 30-days. Compliance by CEMS. Natural gas combustion only.

Pollutant: PM -- Particulate Matter - Total
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 10
Potential (tpy): 43.8
Emission Method: 2
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 10
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: GE, 1998: B&V 1998
Emission Calculation:
Comment: LB/HR BASED ON MAXIMUM PROVIDED BY MANUFACTURER WITH PROVISION FOR MARGIN

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 10
Potential (tpy): 43.8
Emission Method: 2
Estimated Fugitive LL (tpy):

Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 10
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: GE, 1998
Emission Calculation:
Comment: LB/HR BASED ON MAXIMUM PROVIDED BY MANUFACTURER WITH MARGIN.

Pollutant: SO2 -- Sulfur Dioxide
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 5.1
Potential (tpy): 22.5
Emission Method: 2
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 1
Emission Factor Unit: 099 -- OTHER (SPECIFY IN COMMENT)
Emission Factor Ref: GOLDER, 1998
Emission Calculation:
Comment: 1 Grain S/100CF. lb/hr and TPY @ 35 F turbine inlet temp.

Pollutant: VOC -- Volatile Organic Compounds
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 2.9
Potential (tpy): 12.7
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 1.4
Emission Factor Unit: 044 -- PPMVD
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Allowable Emissions Information for EU 20

Pollutant: **CO**
Sequence Number: 1
Allowable Emission: 12
Unit: 34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr): 43
Equivalent (tpy): 188.3
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: Intial and annual testing.
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002

Allowable Emission Comment: Based on BACT for combustion turbines recently done in other facilities.

Pollutant: **NOX**
Sequence Number: 1
Allowable Emission: 9
Unit: 34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr): 65
Equivalent (tpy): 287.4
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: 30-day rolling average basis. Initial stack test required.
Compliance Method Code: 3 -- STACK TEST & CMS
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Allowable Emission Comment: Limit of 75/110 ppmvd @ 15% O2 for a total of 90 day period/turbine at th end of construction. Based on BACTfor combustion turbines recently done i other facilities.

Pollutant: **VOC**
Sequence Number: 1
Allowable Emission: 1.4
Unit: 04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr): 2.9
Equivalent (tpy): 12.7
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: Initial test required. CO limit as surrogate thereafter.
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Allowable Emission Comment: Based on BACT for combustion turbines recently done in other facilities.

Visible Emissions Information for EU 20

VE Subtype: VE10
Number of VE Tests: 5

Allowable Opacity Exceptional Condition (%):

Maximum Period of Exceptional Condition (min/hr):

Basis: OTHER
Regulation:
COM Required:
Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Comment: Based on BACT for combustion turbines recently done in other facilities.

Continuous Monitor for EU 20

CM ID	Parameter	Monitored Pollutant	Manufacturer	Model Number	Serial Number	Installation Date	Performance Specification Test Date	Test Status	Performance Specification Test Cert	Comment

									Date	
1	EM		TEI	42CHL	66490-352	12/1/2000	12/12/2000	PASS		CEMs meet requirements of 40 CFR Part 75
2	O2		SERVOMEX	1440C	01420C-1402	12/1/2000	12/12/2000	PASS		

Emission Unit ID: **21**
Status: A
Description: 250MW Combined Cycle Combustion Turbine (2D)
Type: 10.01 -- Electric Utilities
EU Classification: R
Acid Rain Unit: Y
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW): 170
Model Number: MS7241FA
Manufacturer: GENERAL ELECTRIC
Ozone SIP Base Year Unit:
Startup Date: 12/31/2002
Long-term Reserve Shutdown Date:
Comment: ONE OF SIX COMBUSTION TURBINES, PART OF THE 1500MW REPOWERINC PROJECT.170 MW CT WITH UNFIRED HRSG THAT WILL RAISE SUFFICIENT STEAM TO PRODUCE 80 MW VIA EXISTING STEAM DRIVEN ELECTRICAL GENERATORS

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):
Heat Input Rate (mmBTU/hr): 1760
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment:

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
Federal	40 CFR 60, SUBPART GG
Federal	40 CFR 60, SUBPART A

Control Equipment

Control Device/Method	Control Equipment Description
25	Dry Low NOx combustor

PSD

NO PSD Information found for this EU

Emission Point Information for EU 21

Type:	3 -- MULTIPLE EMISSION POINTS SERVING 1 EMISSIONS UNIT
Stack #:	21
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	125
Exit Diameter (ft):	19
Exit Temperature (°F):	220
Exit Velocity (ft/s):	70.3
Actual Volumetric Flow Rate (acfm):	1196162
Water Vapor %:	7.6
Dry Standard Flow Rate:	858197
UTM Zone:	17
UTM North (km):	2953.03
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	TWO RELATIVELY SHORT STACKS FOR SIMPLE AND COMBINED OPERTION: UNIT CAN EXHAUST THROUGH A SIMPLE CYCLE BY-PASS STACK AND HRS(STACK.

Emission Point for Type 3

Test Point	Description

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 21

Segment #:	1
SCC Code:	20100201
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Natural Gas
Description 4:	Turbine
Status:	A
Unit:	Million Cubic Feet Natural Gas Burned
Segment Description:	
mmBtu/SCC Unit:	923
Max Hourly Rate:	1.91
Hourly Rate Limit:	
Max Annual Rate:	16722
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Maximum and Annual rate based on 59 degree F turbine inlet. MILLION BTU/SCC AS LHV

Pollutant(s) Summary for EU 21

Pollutant:	CO -- Carbon Monoxide
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	43
Potential (tpy):	188.3

Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 12
Emission Factor Unit: 048 -- PPMVD @ 15% O2
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control: 25 -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 65
Potential (tpy): 284.7
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 9
Emission Factor Unit: 048 -- PPMVD @ 15% O2
Emission Factor Ref: PERMIT
Emission Calculation:
Comment: Averaging Time 30-days. Compliance by CEMS.

Pollutant: PM -- Particulate Matter - Total
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 10
Potential (tpy): 43.8
Emission Method: 2
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 10
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: GE, 1998: B&V 1998
Emission Calculation:
Comment: LB/HR BASED ON MAXIMUM PROVIDED BY MANUFACTURER WITH PROVISION FOR MARGIN.

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 10
Potential (tpy): 43.8
Emission Method: 2
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N

Emission Factor: 10
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: GE, 1998
Emission Calculation:
Comment: LB/HR BASED ON MAXIMUM PROVIDED BY MANUFACTURER WITH MARGIN.

Pollutant: SO2 -- Sulfur Dioxide
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 5.1
Potential (tpy): 22.5
Emission Method: 2
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 1
Emission Factor Unit: 099 -- OTHER (SPECIFY IN COMMENT)
Emission Factor Ref: GOLDER, 1998
Emission Calculation:
Comment: 1 Grain S/100CF. lb/hr and TPY @ 35 F turbine inlet temp.

Pollutant: VOC -- Volatile Organic Compounds
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 2.9
Potential (tpy): 12.72
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 1.4
Emission Factor Unit: 044 -- PPMVD
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Allowable Emissions Information for EU 21

Pollutant: **CO**
Sequence Number: 1
Allowable Emission: 12
Unit: 34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr): 43
Equivalent (tpy): 188.3
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: Initial and annual testing.
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Allowable Emission Comment: Based on BACT for combustion turbines recently done in other facilities.

Pollutant:	**NOX**
Sequence Number:	1
Allowable Emission:	9
Unit:	34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr):	65
Equivalent (tpy):	284.7
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	30-day rolling average basis. Initial stack test required.
Compliance Method Code:	3 -- STACK TEST & CMS
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Allowable Emission Comment:	Limit of 75/110 ppmvd @ 15% O2 for a total of 90 day period/turbine at th end of construction. Based on BACTfor combustion turbines recently done i other facilities.

Pollutant:	**VOC**
Sequence Number:	1
Allowable Emission:	1.4
Unit:	04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr):	2.9
Equivalent (tpy):	12.7
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	Initial test required. CO limit as surrogate thereafter.
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Allowable Emission Comment:	Based on BACT for combustion turbines recently done in other facilities.

Visible Emissions Information for EU 21

VE Subtype:	VE10
Number of VE Tests:	4
Allowable Opacity Exceptional Condition (%):	
Maximum Period of Exceptional Condition (min/hr):	
Basis:	OTHER
Regulation:	
COM Required:	
Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Comment:	Based on BACT for combustion turbines recently done in other facilities.

Continuous Monitor for EU 21

CM ID	Parameter	Monitored Pollutant	Manufacturer	Model Number	Serial Number	Installation Date	Performance Specification Test Date	Test Status	Performance Specification Test Cert Date	Comment
										CEMs meet

1	EM	NOX	TEI	42CHL	66131-351	1/1/2001	4/12/2001	PASS		requirement of 40 CFR Part 75
2	O2		SERVOMEX	1440C	01420C/1403	1/1/2001	4/12/2001	PASS		

Emission Unit ID: **22**
Status: A
Description: 250MW Combined Cycle Combustion Turbine (2E)
Type: 10.01 -- Electric Utilities
EU Classification: R
Acid Rain Unit: Y
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW): 170
Model Number: MS7241FA
Manufacturer: GENERAL ELECTRIC
Ozone SIP Base Year Unit:
Startup Date: 12/31/2002
Long-term Reserve Shutdown Date:
Comment: ONE OF SIX COMBUSTION TURBINES, PART OF THE 1500MW REPOWERINC PROJECT.170 MW CT WITH UNFIRED HRSG THAT WILL RAISE SUFFICIENT STEAM TO PRODUCE 80 MW VIA EXISTING STEAM DRIVEN ELECTRICAL GENERATORS.

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):
Heat Input Rate (mmBTU/hr): 1760
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment:

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
Federal	40 CFR 60, SUBPART GG
Federal	40 CFR 60, SUBPART A

Control Equipment

Control Device/Method	Control Equipment Description
25	Dry Low NOx combustor

PSD

NO PSD Information found for this EU

Emission Point Information for EU 22

Type: 3 -- MULTIPLE EMISSION POINTS SERVING 1 EMISSIONS UNIT
Stack #: 22

Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	125
Exit Diameter (ft):	19
Exit Temperature (°F):	220
Exit Velocity (ft/s):	70.3
Actual Volumetric Flow Rate (acfm):	1196162
Water Vapor %:	7.6
Dry Standard Flow Rate:	858197
UTM Zone:	17
UTM North (km):	2953.03
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	TWO RELATIVELY SHORT STACKS FOR SIMPLE AND COMBINED OPERTION: UNIT CAN EXHAUST THROUGH A SIMPLE CYCLE BY-PASS STACK AND HRS(STACK.

Emission Point for Type 3

Test Point	Description

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 22

Segment #:	1
SCC Code:	20100201
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Natural Gas
Description 4:	Turbine
Status:	A
Unit:	Million Cubic Feet Natural Gas Burned
Segment Description:	
mmBtu/SCC Unit:	923
Max Hourly Rate:	1.91
Hourly Rate Limit:	
Max Annual Rate:	16722
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Maximum and Annual rate based on 59 degree F turbine inlet. MILLION BTU/SCC AS LHV

Pollutant(s) Summary for EU 22

Pollutant:	CO -- Carbon Monoxide
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	43
Potential (tpy):	188.3
Emission Method:	0
Estimated Fugitive LL (tpy):	

Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 12
Emission Factor Unit: 048 -- PPMVD @ 15% O2
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: NOX -- Nitrogen Oxides
Primary Control: 25 -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 65
Potential (tpy): 284.7
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 9
Emission Factor Unit: 048 -- PPMVD @ 15% O2
Emission Factor Ref: PERMIT
Emission Calculation:
Comment: Averaging time 30-days. Compliance by CEMS.

Pollutant: PM -- Particulate Matter - Total
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 10
Potential (tpy): 43.8
Emission Method: 2
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 10
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: GE, 1998: B&V 1998
Emission Calculation:
Comment: LB/HR BASED ON MAXIMUM PROVIDED BY MANUFACTURER WITH PROVISION FOR MARGIN.

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 10
Potential (tpy): 43.8
Emission Method: 2
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 10
Emission Factor Unit: 021 -- LB/HR

Emission Factor Ref: GE, 1998
Emission Calculation:
Comment: LB/HR BASED ON MAXIMUM PROVIDED BY MANUFACTURER WITH MARGIN.

Pollutant: SO2 -- Sulfur Dioxide
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 5.1
Potential (tpy): 22.5
Emission Method: 2
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 1
Emission Factor Unit: 099 -- OTHER (SPECIFY IN COMMENT)
Emission Factor Ref: GOLDER, 1998
Emission Calculation:
Comment: 1 Grain S/100CF. lb/hr and TPY @ 35 F turbine inlet temp.

Pollutant: VOC -- Volatile Organic Compounds
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 2.9
Potential (tpy): 12.7
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 1.4
Emission Factor Unit: 044 -- PPMVD
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Allowable Emissions Information for EU 22

Pollutant: **CO**
Sequence Number: 1
Allowable Emission: 12
Unit: 34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr): 43
Equivalent (tpy): 188.3
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: Initial and annual testing.
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Allowable Emission Comment: Based on BACT for combustion turbines recently done in other facilities.

Pollutant: **NOX**
Sequence Number: 1

Allowable Emission: 9
Unit: 34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr): 65
Equivalent (tpy): 284.7
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: 30-day rolling average basis. Initial stack test required.
Compliance Method Code: 3 -- STACK TEST & CMS
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Allowable Emission Comment: Limit of 75/110 ppmvd @ 15% O2 for a total of 90 day period/turbine at th end of construction. Based on BACT for combustion turbines recently done other facilities.

Pollutant: **VOC**
Sequence Number: 1
Allowable Emission: 1.4
Unit: 04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr): 2.9
Equivalent (tpy): 12.7
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: Initial test required. CO limit as surrogate thereafter.
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Allowable Emission Comment: Based on BACT for combustion turbines recently done in other facilities.

Visible Emissions Information for EU 22

VE Subtype: VE10
Number of VE Tests: 4

Allowable Opacity Exceptional Condition (%):

Maximum Period of Exceptional Condition (min/hr):

Basis: OTHER
Regulation:
COM Required:
Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Comment: Based on BACT for combustion turbines recently done in other facilities.

Continuous Monitor for EU 22

CM ID	Parameter	Monitored Pollutant	Manufacturer	Model Number	Serial Number	Installation Date	Performance Specification Test Date	Test Status	Performance Specification Test Cert Date	Comment
1	EM	NOX	TEI	42CHL	65868-350	2/1/2001	4/3/2001	PASS		CEMs meet requirements of 40 CFR Par

										75
2	O2		SERVOMEX	1440C	01420/1466	2/1/2001	4/3/2001	PASS		

Emission Unit ID: **23**
Status: A
Description: 250MW Combined Cycle Combustion Turbine (2F)
Type: 11.01 -- Reciprocating Engines
EU Classification: R
Acid Rain Unit: Y
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW): 170
Model Number: MS7241FA
Manufacturer: GENERAL ELECTRIC
Ozone SIP Base Year Unit:
Startup Date: 12/31/2002
Long-term Reserve Shutdown Date:
Comment: ONE OF SIX COMBUSTION TURBINES, PART OF THE 1500MW REPOWERINC PROJECT.170 MW CT WITH UNFIRED HRSG THAT WILL RAISE SUFFICIENT STEAM TO PRODUCE 80 MW VIA EXISTING STEAM DRIVEN ELECTRICAL GENERATORS.

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):
Heat Input Rate (mmBTU/hr): 1760
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment:

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
Federal	40 CFR 60, SUBPART GG
Federal	40 CFR 60, SUBPART A

Control Equipment

Control Device/Method	Control Equipment Description
25	Dry Low NOx combustor

PSD

NO PSD Information found for this EU

Emission Point Information for EU 23

Type: 3 -- MULTIPLE EMISSION POINTS SERVING 1 EMISSIONS UNIT
Stack #: 23
Discharge Type: V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION

Height (ft):	125
Exit Diameter (ft):	19
Exit Temperature (ºF):	220
Exit Velocity (ft/s):	70.3
Actual Volumetric Flow Rate (acfm):	1196162
Water Vapor %:	7.6
Dry Standard Flow Rate:	858197
UTM Zone:	17
UTM North (km):	2953.03
UTM East (km):	422.3
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	Unit can exhaust through a simple cycle by-pass stack and HRSG.

Emission Point for Type 3

Test Point	Description

Other EUs With This Point in Common
NO EUs IN COMMON

Segment(s) Information for EU 23

Segment #:	1
SCC Code:	20100201
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Natural Gas
Description 4:	Turbine
Status:	A
Unit:	Million Cubic Feet Natural Gas Burned
Segment Description:	
mmBtu/SCC Unit:	923
Max Hourly Rate:	1.91
Hourly Rate Limit:	
Max Annual Rate:	16722
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	Maximum and Annual rate based on 59 degree F turbine inlet. MILLION BTU/SCC AS LHV

Pollutant(s) Summary for EU 23

Pollutant:	CO -- Carbon Monoxide
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	43
Potential (tpy):	188.3
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	N
Emission Factor:	12
Emission Factor Unit:	048 -- PPMVD @ 15% O2

Emission Factor Ref: PERMIT
Emission Calculation:
Comment: Averaging time 30-days. Compliance by CEMS.

Pollutant: NOX -- Nitrogen Oxides
Primary Control: 25 -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 65
Potential (tpy): 284.7
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 9
Emission Factor Unit: 048 -- PPMVD @ 15% O2
Emission Factor Ref: PERMIT
Emission Calculation:
Comment: Averaging time 30-day. Compliance by CEMS.

Pollutant: PM -- Particulate Matter - Total
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 10
Potential (tpy): 43.8
Emission Method: 2
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 10
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: GE, 1998: B&V 1998
Emission Calculation:
Comment: LB/HR BASED ON MAXIMUM PROVIDED BY MANUFACTURER WITH PROVISION FOR MARGIN.

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control: -- Electrostatic Precipitator
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr): 10
Potential (tpy): 43.8
Emission Method: 2
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: N
Emission Factor: 10
Emission Factor Unit: 021 -- LB/HR
Emission Factor Ref: GE, 1998
Emission Calculation:
Comment: LB/HR BASED ON MAXIMUM PROVIDED BY MANUFACTURER WITH MARGIN.

Pollutant:	SO2 -- Sulfur Dioxide
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	5.1
Potential (tpy):	22.5
Emission Method:	2
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	N
Emission Factor:	1
Emission Factor Unit:	099 -- OTHER (SPECIFY IN COMMENT)
Emission Factor Ref:	GOLDER, 1998
Emission Calculation:	
Comment:	1 Grain S/100CF. lb/hr and TPY @ 35 F turbine inlet temp.

Pollutant:	VOC -- Volatile Organic Compounds
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	2.9
Potential (tpy):	12.7
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	N
Emission Factor:	1.4
Emission Factor Unit:	044 -- PPMVD
Emission Factor Ref:	PERMIT
Emission Calculation:	
Comment:	

Allowable Emissions Information for EU 23

Pollutant:	**CO**
Sequence Number:	1
Allowable Emission:	12
Unit:	34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr):	43
Equivalent (tpy):	188.3
Future Effective Date:	
Basis:	OTHER
Regulation:	
Compliance Method:	Initial and annual testing.
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Allowable Emission Comment:	Based on BACT for combustion turbines recently done in other facilities.

Pollutant:	**NOX**
Sequence Number:	1
Allowable Emission:	9
Unit:	34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr):	65
Equivalent (tpy):	284.7

Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: 30-day rolling average basis. Initial stack test required.
Compliance Method Code: 3 -- STACK TEST & CMS
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Allowable Emission Comment: Limit of 75/110 ppmvd @ 15% O2 for a total of 90 day period/turbine at th end of construction. Based on BACTfor combustion turbines recently done i other facilities.

Pollutant: **VOC**
Sequence Number: 1
Allowable Emission: 1.4
Unit: 04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr): 2.9
Equivalent (tpy): 12.7
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: Initial test required. CO limit as surrogate thereafter.
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Allowable Emission Comment: Based on BACT for combustion turbines recently done in other facilities.

Visible Emissions Information for EU 23

VE Subtype: VE10
Number of VE Tests: 3

Allowable Opacity Exceptional Condition (%):

Maximum Period of Exceptional Condition (min/hr):

Basis: OTHER
Regulation:
COM Required:
Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Comment: Based on BACT for combustion turbines recently done in other facilities.

Continuous Monitor for EU 23

CM ID	Parameter	Monitored Pollutant	Manufacturer	Model Number	Serial Number	Installation Date	Performance Specification Test Date	Test Status	Performance Specification Test Cert Date	Comment
1	EM	NOX	TEI	42CHL	69215-362	3/1/2001	5/31/2001	PASS		CEMs meet requirement of 40 CFR Part 75
2	O2		SERVOMEX	1440C	01420C/1444	3/1/2001	5/31/2001	PASS		

Emission Unit ID:	**24**
Status:	A
Description:	6 Natural Gas Pre-Heaters
Type:	10.01 -- Electric Utilities
EU Classification:	R
Acid Rain Unit:	N
EU Major Group SIC:	49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):	
Model Number:	
Manufacturer:	GE
Ozone SIP Base Year Unit:	
Startup Date:	12/31/2002
Long-term Reserve Shutdown Date:	
Comment:	Natural Gas firing, part of the 1500MW Repwering Project.Fuel heating prio to use during simple cycle operations and cold startups.

Operating Capacity

Dwell Temp (F):	
Dwell Time (Sec):	
Afterburner Temp (F):	
Heat Input Rate (mmBTU/hr):	132
Incin. Rate (lb/hr):	
Incin. Rate (ton/day):	
Throughput:	
Throughput Unit:	
Production:	
Production Unit:	
Operating Capacity Comment:	

EU Schedule

NO EU Schedule Information found for this EU

EU Regulations

Type	Regulation
Federal	40 CFR 60, SUBPART Db

Control Equipment

Control Device/Method	Control Equipment Description
24	Low Nox burners

PSD

NO PSD Information found for this EU

Emission Point Information for EU 24

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	24
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	21
Exit Diameter (ft):	2
Exit Temperature (°F):	375
Exit Velocity (ft/s):	24.6
Actual Volumetric Flow Rate (acfm):	4639
Water Vapor %:	
Dry Standard Flow Rate:	

UTM Zone:	17
UTM North (km):	2953
UTM East (km):	422.2
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 24

Segment #:	1
SCC Code:	10100601
Description 1:	External Combustion Boilers
Description 2:	Electric Generation
Description 3:	Natural Gas
Description 4:	Boilers > 100 Million Btu/hr except Tangential
Status:	A
Unit:	Million Cubic Feet Natural Gas Burned
Segment Description:	
mmBtu/SCC Unit:	1024
Max Hourly Rate:	0.017
Hourly Rate Limit:	
Max Annual Rate:	146
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	

Pollutant(s) Summary for EU 24

Pollutant:	CO -- Carbon Monoxide
Primary Control:	-- Electrostatic Precipitator
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	NS
Potential (lb/hr):	19.8
Potential (tpy):	86.8
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	0.15
Emission Factor Unit:	025 -- LB/MMBTU
Emission Factor Ref:	PERMIT
Emission Calculation:	
Comment:	

Pollutant:	NOX -- Nitrogen Oxides
Primary Control:	24
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	13.2

Potential (tpy): 57.8
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor: 0.1
Emission Factor Unit: 025 -- LB/MMBTU
Emission Factor Ref: PERMIT
Emission Calculation:
Comment:

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:

Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: VOC -- Volatile Organic Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Allowable Emissions Information for EU 24

Pollutant: **CO**
Sequence Number: 1
Allowable Emission: 0.15
Unit: 01 -- POUNDS PER MILLION BTU HEAT INPUT
Equivalent (lb/hr): 19.8
Equivalent (tpy): 86.8
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: Initial stack test on two of the six heaters.
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Allowable Emission Comment: Basis for allowable emissions: 0710002-008-AC.

Pollutant: **NOX**
Sequence Number: 1
Allowable Emission: 0.1
Unit: 01 -- POUNDS PER MILLION BTU HEAT INPUT
Equivalent (lb/hr): 13.2
Equivalent (tpy): 57.8
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: Initial stack test on two of the six heaters.
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Allowable Emission Comment: Based on BACT for combustion turbines recently done in other facilities.

Visible Emissions Information for EU 24

VE Subtype: VE10
Number of VE Tests: 2

Allowable Opacity Exceptional Condition (%):

Maximum Period of Exceptional Condition (min/hr):

Basis: OTHER
Regulation:
COM Required:
Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Comment: Based on BACT for combustion turbines recently done in other facilities.

Continuous Monitor for EU 24

No Continuous Monitor information found for this EU

Emission Unit ID: 25
Status: A
Description: MECHANICAL DRAFT COOLING TOWER
Type: 12.03 -- Insignificant Activity (NO AOR)
EU Classification: U
Acid Rain Unit: N
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):
Model Number:
Manufacturer:
Ozone SIP Base Year Unit:
Startup Date: 12/31/2002
Long-term Reserve Shutdown Date:
Comment: WATER COOLING, PART OF THE 1500MW REPOWERING PROJECT

Operating Capacity

Dwell Temp (F):
Dwell Time (Sec):
Afterburner Temp (F):
Heat Input Rate (mmBTU/hr):
Incin. Rate (lb/hr):
Incin. Rate (ton/day):
Throughput:
Throughput Unit:
Production:
Production Unit:
Operating Capacity Comment:

EU Schedule

NO EU Schedule Information found for this EU

EU Regulations

NO EU Regulations found for this EU

Control Equipment

Control Device/Method	Control Equipment Description
15	Mist eliminator.

PSD

NO PSD Information found for this EU

Emission Point Information for EU 25

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	25
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	45
Exit Diameter (ft):	110.85
Exit Temperature (°F):	
Exit Velocity (ft/s):	
Actual Volumetric Flow Rate (acfm):	
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	
UTM North (km):	
UTM East (km):	
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	Includes 12 cells. Design air flow rate per cell is 1,388,000 acfm. The diameter given is the effective diameter for all cells.

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 25

Segment #:	1
SCC Code:	38500101
Description 1:	Industrial Processes
Description 2:	Cooling Tower
Description 3:	Process Cooling
Description 4:	Mechanical Draft
Status:	A
Unit:	Million Gallons Cooling Water Throughput
Segment Description:	
mmBtu/SCC Unit:	
Max Hourly Rate:	
Hourly Rate Limit:	
Max Annual Rate:	
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	

Pollutant(s) Summary for EU 25

Pollutant:	PM -- Particulate Matter - Total
Primary Control:	15
Secondary Control:	

Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control: 15
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: NS
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

No Allowable Emissions Information for this EU

Visible Emissions Information for EU 25

No Visible Emission information found for this EU

Continuous Monitor for EU 25

No Continuous Monitor information found for this EU

Emission Unit ID: 27
Status: A
Description: 170 MW Simple Cycle Combustion Turbine #1 (3A)
Type: 10.01 -- Electric Utilities
EU Classification: R
Acid Rain Unit: Y
EU Major Group SIC: 49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW): 170
Model Number: 7241 FA
Manufacturer: GE
Ozone SIP Base Year Unit:
Startup Date: 4/30/2003
Long-term Reserve Shutdown Date:

Limited to 500 hr/yr on oil and (500 hr/yr) on high power mode(HPM)- 440

Comment: hr power augmentation and 60 hr high temperature peaking.

Operating Capacity

Dwell Temp (F):	
Dwell Time (Sec):	
Afterburner Temp (F):	
Heat Input Rate (mmBTU/hr):	1600
Incin. Rate (lb/hr):	
Incin. Rate (ton/day):	
Throughput:	
Throughput Unit:	
Production:	
Production Unit:	
Operating Capacity Comment:	Natural gas firing. For HPM the maximum heat rate is 1680mmBtu/hr and 1811 (oil-baseload) mmBtu/hr.

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-212.400
Federal	40 CFR 60 Subpart GG
Federal	40 CFR 60 Subpart A

Control Equipment

Control Device/Method	Control Equipment Description
205	Dry Low Nox Technology
28	Wet Injection for firing oil

PSD

	ICE Code	Baseline Emission (ton/yr)	Baseline Emission (lb/hr)
PM			
SO2			
NO2			

CommentPSD-FL-298 (ONLY FOR VOC)

Emission Point Information for EU 27

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	27
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	80
Exit Diameter (ft):	20.5
Exit Temperature (°F):	1116
Exit Velocity (ft/s):	120.7
Actual Volumetric Flow Rate (acfm):	2389462
Water Vapor %:	8.4
Dry Standard Flow Rate:	800000
UTM Zone:	17
UTM North (km):	2992.9
UTM East (km):	543.1
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	flow for oil at 1,098degF= 2,464,273 ACFM; HPM 1,130degF=2,426,858

Other EUs With This Point in Common
NO EUs IN COMMON

Segment(s) Information for EU 27

Segment #:	1
SCC Code:	20100201
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Natural Gas
Description 4:	Turbine
Status:	A
Unit:	Million Cubic Feet Natural Gas Burned
Segment Description:	
mmBtu/SCC Unit:	950
Max Hourly Rate:	1.68
Hourly Rate Limit:	
Max Annual Rate:	14752
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	

Segment #:	2
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	
mmBtu/SCC Unit:	130
Max Hourly Rate:	14
Hourly Rate Limit:	
Max Annual Rate:	7000
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	0.05
Max Percent Ash:	
Comment:	limited to 500 hours/year

Pollutant(s) Summary for EU 27

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	65
Potential (tpy):	139.8
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	Y
Emission Factor:	

Emission Factor Unit:
Emission Factor Ref: GE 2000 GOLDER
Emission Calculation:
Comment: lb/yr based on oil firing(500hr/yr). Tons/yr based on 7760 hrs/yr gas firing, an 500 hrs/yr oil firing and HPM.

Pollutant: NOX -- Nitrogen Oxides
Primary Control: 205
Secondary Control: 28
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 320
Potential (tpy): 373.22
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: Y
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: lb/yr based on oil firing. Ton/yr based on gas firing(7760hr/yr), oil firing and HPM(500hr/yr).

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 17
Potential (tpy): 45.6
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: Y
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: oil firing. Ton/yr based on gas firing (7760 hr/yr), oil firing and HPM (500 hr/yr

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 17
Potential (tpy): 45.6
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: Y
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:

Comment: oil firing. tons/yr based on gas firing (7760 hr/yr), oil firing and HPM (500 lb/yr).

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 103.1
Potential (tpy): 44.9
Emission Method: 5
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: Y
Emission Factor:
Emission Factor Unit: 099 -- OTHER (SPECIFY IN COMMENT)
Emission Factor Ref:
Emission Calculation:
Comment: oil firing. tons/yr based on gas firing(7760hr/yr), oil firing and HPM (500hr/yr). Emission factor=1 grain S per 100 cf gas.

Pollutant: VOC -- Volatile Organic Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 7.3
Potential (tpy): 13.1
Emission Method: 5
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: Y
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: oil firing. tons/yr based on gas firing (7760 hr/yr),oil firing and HPM(500 hrs/yr

Allowable Emissions Information for EU 27

Pollutant: **CO**
Sequence Number: 1
Allowable Emission: 9
Unit: 04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr): 29
Equivalent (tpy): 139.8
Future Effective Date: 12/31/2002
Basis: ESCPSD
Regulation:
Compliance Method: Stack test
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2003
Allowable Emission Comment: Gas firing base case

Pollutant: **CO**
Sequence Number: 2

Allowable Emission: 20
Unit: 04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr): 65
Equivalent (tpy): 139.8
Future Effective Date: 12/31/2002
Basis: ESCPSD
Regulation:
Compliance Method: Stack Test
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2003
Allowable Emission Comment: Oil firing.

Pollutant: **CO**
Sequence Number: 3
Allowable Emission: 15
Unit: 04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr): 48
Equivalent (tpy): 139.8
Future Effective Date: 12/31/2002
Basis: ESCPSD
Regulation:
Compliance Method: Stack test
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2003
Allowable Emission Comment: Gas firing high power mode

Pollutant: **NOX**
Sequence Number: 1
Allowable Emission: 10.5
Unit: 34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr): 69
Equivalent (tpy): 373.22
Future Effective Date: 12/31/2002
Basis: ESCPSD
Regulation:
Compliance Method: Stack test and CEM 30 day rolling average
Compliance Method Code: 3 -- STACK TEST & CMS
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2003
Allowable Emission Comment: Gas firing base case

Pollutant: **NOX**
Sequence Number: 2
Allowable Emission: 42
Unit: 34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr): 320
Equivalent (tpy): 373.22
Future Effective Date: 12/31/2002
Basis: ESCPSD
Regulation:
Compliance Method: Stack Test and CEM
Compliance Method Code: 3 -- STACK TEST & CMS
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2003
Allowable Emission Comment: oil firing

Pollutant: **NOX**

Sequence Number:	3
Allowable Emission:	15
Unit:	34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr):	102
Equivalent (tpy):	373.22
Future Effective Date:	12/31/2002
Basis:	ESCPSD
Regulation:	
Compliance Method:	Stack test and CEM 24 hour rolling average
Compliance Method Code:	3 -- STACK TEST & CMS
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2003
Allowable Emission Comment:	Gas firing high power mode

Pollutant:	**PM**
Sequence Number:	1
Allowable Emission:	10
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	10
Equivalent (tpy):	45.6
Future Effective Date:	
Basis:	ESCPSD
Regulation:	
Compliance Method:	Stack test
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	5 -- EVERY 5 YEARS
Frequency Base Date:	12/31/2003
Allowable Emission Comment:	natural gas. tons/yr based on gas firing(8260hr/yr), oil firing (500hr/yr).

Pollutant:	**PM**
Sequence Number:	2
Allowable Emission:	17
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	17
Equivalent (tpy):	45.6
Future Effective Date:	
Basis:	ESCPSD
Regulation:	
Compliance Method:	Stack Test
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	5 -- EVERY 5 YEARS
Frequency Base Date:	12/31/2003
Allowable Emission Comment:	fuel oil. Ton/yr based on gas firing(8260hr/yr), oil firing (500hr/yr)

Pollutant:	**PM10**
Sequence Number:	1
Allowable Emission:	10
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	10
Equivalent (tpy):	45.6
Future Effective Date:	
Basis:	ESCPSD
Regulation:	
Compliance Method:	PM Stack test
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Allowable Emission Comment:	natural gas. tons/yr based on gas firing(8260 hr/yr), oil firing (500 hr/yr).

Pollutant:	**PM10**
Sequence Number:	2
Allowable Emission:	17
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	17
Equivalent (tpy):	45.6
Future Effective Date:	
Basis:	ESCPSD
Regulation:	
Compliance Method:	PM Stack Test
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Allowable Emission Comment:	fuel oil. tons/yr based on gas firing(8260hr/yr), oil firing (500hr/yr)

Pollutant:	**SO2**
Sequence Number:	1
Allowable Emission:	0.05
Unit:	35 -- PERCENT SULFUR IN FUEL
Equivalent (lb/hr):	103.1
Equivalent (tpy):	24.7
Future Effective Date:	12/31/2002
Basis:	ESCPSD
Regulation:	
Compliance Method:	Fuel Analysis
Compliance Method Code:	4 -- FUEL SAMPLING
Compliance Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Allowable Emission Comment:	oil firing. tons/yr based on gas firing(8260hr/yr), oil firing (500hr/yr).

Pollutant:	**SO2**
Sequence Number:	2
Allowable Emission:	2
Unit:	99 -- OTHER (SPECIFY IN COMMENT)
Equivalent (lb/hr):	5.1
Equivalent (tpy):	21.5
Future Effective Date:	12/31/2002
Basis:	ESCPSD
Regulation:	
Compliance Method:	fuel analysis
Compliance Method Code:	4 -- FUEL SAMPLING
Compliance Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Allowable Emission Comment:	natural gas. unit= grains per 100 scf of natural gas. tons/yr based on gas firing(8260 hr/yr), oil firing (500hr/yr).

Pollutant:	**VOC**
Sequence Number:	1
Allowable Emission:	1.5
Unit:	04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr):	2.8
Equivalent (tpy):	12
Future Effective Date:	12/31/2002
Basis:	RULE
Regulation:	62-212.400
Compliance Method:	Stack Test
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	5 -- EVERY 5 YEARS
Frequency Base Date:	12/31/2003

Allowable Emission Comment:	gas firing.
Pollutant:	**VOC**
Sequence Number:	2
Allowable Emission:	3.5
Unit:	99 -- OTHER (SPECIFY IN COMMENT)
Equivalent (lb/hr):	7.3
Equivalent (tpy):	1.8
Future Effective Date:	12/31/2002
Basis:	RULE
Regulation:	62-212.400
Compliance Method:	stack test
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	5 -- EVERY 5 YEARS
Frequency Base Date:	12/31/2003
Allowable Emission Comment:	oil firing, unit=ppmvw

Visible Emissions Information for EU 27

VE Subtype:	VE10
Number of VE Tests:	2
Allowable Opacity Exceptional Condition (%):	
Maximum Period of Exceptional Condition (min/hr):	
Basis:	ESCPSD
Regulation:	
COM Required:	
Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Comment:	

Continuous Monitor for EU 27

No Continuous Monitor information found for this EU

Emission Unit ID:	**28**
Status:	A
Description:	170 MW Simple Cycle Combustion Turbine #2 (3B)
Type:	10.01 -- Electric Utilities
EU Classification:	R
Acid Rain Unit:	Y
EU Major Group SIC:	49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):	170
Model Number:	PG 7241 FA
Manufacturer:	GE
Ozone SIP Base Year Unit:	
Startup Date:	4/30/2003
Long-term Reserve Shutdown Date:	
Comment:	Limited to 500 hr/yr on oil and 500 hr/yr on high power mode (HPM)- 440 hrs of power augmentation and 60 hrs high temperature peaking.

Operating Capacity

Dwell Temp (F):	
Dwell Time (Sec):	
Afterburner Temp (F):	
Heat Input Rate (mmBTU/hr):	1600
Incin. Rate (lb/hr):	
Incin. Rate (ton/day):	
Throughput:	
Throughput Unit:	
Production:	170
Production Unit:	MW
Operating Capacity Comment:	NATURAL GAS FIRING.WHILE FIRING OIL IS 1811MMBTU/HR; ON HPM IOS 1680MMBTU/HR (GAS).

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-212.400
Federal	40 CFR 60 SUBPART GG
Federal	40 CFR 60 SUBPART A

Control Equipment

Control Device/Method	Control Equipment Description
28	Wet Injection for firing oil
205	Dry low NOX technology

PSD

ICE Code	Baseline Emission (ton/yr)	Baseline Emission (lb/hr)
PM		
SO2		
NO2		
CommentPSD-FL-298 (ONLY FOR VOC)		

Emission Point Information for EU 28

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	28
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	80
Exit Diameter (ft):	20.5
Exit Temperature (°F):	1116
Exit Velocity (ft/s):	120.7
Actual Volumetric Flow Rate (acfm):	2389462
Water Vapor %:	8.4
Dry Standard Flow Rate:	800000
UTM Zone:	17
UTM North (km):	2992.9
UTM East (km):	543.1
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	flow for oil at 1,098degF=2,464,273ACFM; HPM 1,130degF=2,426,858 ACFM

Other EUs With This Point in Common
NO EUs IN COMMON

Segment(s) Information for EU 28

Segment #:	1
SCC Code:	20100101
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Distillate Oil (Diesel)
Description 4:	Turbine
Status:	A
Unit:	1000 Gallons Distillate Oil (Diesel) Burned
Segment Description:	
mmBtu/SCC Unit:	130
Max Hourly Rate:	14
Hourly Rate Limit:	
Max Annual Rate:	7000
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	0.05
Max Percent Ash:	
Comment:	limited to 500 hours/year

Segment #:	2
SCC Code:	20100201
Description 1:	Internal Combustion Engines
Description 2:	Electric Generation
Description 3:	Natural Gas
Description 4:	Turbine
Status:	A
Unit:	Million Cubic Feet Natural Gas Burned
Segment Description:	
mmBtu/SCC Unit:	950
Max Hourly Rate:	1.68
Hourly Rate Limit:	
Max Annual Rate:	14752
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	

Pollutant(s) Summary for EU 28

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	65
Potential (tpy):	139.8
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	Y
Emission Factor:	

Emission Factor Unit:
Emission Factor Ref: GE 2000 GOLDER
Emission Calculation:
Comment: lb/yr based on oil firing(500hr/yr). Tons/yr based on 7760 hr/yr gas firing, 500hr/yr oil firing and HPM.

Pollutant: NOX -- Nitrogen Oxides
Primary Control: 205
Secondary Control: 28
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 320
Potential (tpy): 373.22
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: Y
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: lb/hr based on oil firing (500hr/yr). Tons/yr based on gas firing (7760 hr/yr),oil firing and HPM (500hr/yr).

Pollutant: PM -- Particulate Matter - Total
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 17
Potential (tpy): 45.6
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: Y
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: oil firing. Ton/yr based on gas firing(7760hr/yr), oil firing and HPM (500hr/yr)

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 17
Potential (tpy): 45.6
Emission Method: 0
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: Y
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:

Comment: oil firing. ton/yr based on gas firing(7760 hr/yr), oil firing and HPM (500 lb/yr)

Pollutant: SO2 -- Sulfur Dioxide
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 103.1
Potential (tpy): 44.9
Emission Method: 5
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: Y
Emission Factor:
Emission Factor Unit: 099 -- OTHER (SPECIFY IN COMMENT)
Emission Factor Ref:
Emission Calculation:
Comment: oil firing. tons/yr based on gas firing(7760hr/yr), oil firing and HPM (500hr/yr). emission factor=1grain S per 100 cf gas.

Pollutant: VOC -- Volatile Organic Compounds
Primary Control:
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code: EL
Potential (lb/hr): 7.3
Potential (tpy): 13.1
Emission Method: 5
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited: Y
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment: oil firing. tons/yr based on gas firing (7760 hr/yr),oil firing and HPM (500 hr/yr

Allowable Emissions Information for EU 28

Pollutant: **CO**
Sequence Number: 1
Allowable Emission: 9
Unit: 04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr): 29
Equivalent (tpy): 139.8
Future Effective Date: 12/31/2002
Basis: ESCPSD
Regulation:
Compliance Method: STACK TEST
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2003
Allowable Emission Comment: Gas firing base case

Pollutant: **CO**
Sequence Number: 2
Allowable Emission: 20

Unit:	04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr):	65
Equivalent (tpy):	139.8
Future Effective Date:	12/31/2002
Basis:	ESCPSD
Regulation:	
Compliance Method:	STACK TEST
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2003
Allowable Emission Comment:	Oil firing

Pollutant:	**CO**
Sequence Number:	3
Allowable Emission:	15
Unit:	04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr):	48
Equivalent (tpy):	139.8
Future Effective Date:	12/31/2002
Basis:	ESCPSD
Regulation:	
Compliance Method:	Stack test
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2003
Allowable Emission Comment:	Gas firing high power mode

Pollutant:	**NOX**
Sequence Number:	1
Allowable Emission:	10.5
Unit:	34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr):	69
Equivalent (tpy):	373.22
Future Effective Date:	12/31/2002
Basis:	ESCPSD
Regulation:	
Compliance Method:	Stack test and CEM 30 day rolling average
Compliance Method Code:	3 -- STACK TEST & CMS
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2003
Allowable Emission Comment:	Gas firing base case

Pollutant:	**NOX**
Sequence Number:	2
Allowable Emission:	42
Unit:	34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr):	320
Equivalent (tpy):	373.22
Future Effective Date:	12/31/2002
Basis:	ESCPSD
Regulation:	
Compliance Method:	Stack Test and CEM
Compliance Method Code:	3 -- STACK TEST & CMS
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2003
Allowable Emission Comment:	oil firing

Pollutant:	**NOX**
Sequence Number:	3

Allowable Emission:	15
Unit:	34 -- PARTS PER MILLION DRY GAS VOLUME @ 15% O2
Equivalent (lb/hr):	102
Equivalent (tpy):	373.22
Future Effective Date:	12/31/2002
Basis:	ESCPSD
Regulation:	
Compliance Method:	Stack Test and CEM 24 hour rolling average
Compliance Method Code:	3 -- STACK TEST & CMS
Compliance Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2003
Allowable Emission Comment:	Gas firing high power mode

Pollutant:	**PM**
Sequence Number:	1
Allowable Emission:	10
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	10
Equivalent (tpy):	45.6
Future Effective Date:	
Basis:	ESCPSD
Regulation:	
Compliance Method:	stack test
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	5 -- EVERY 5 YEARS
Frequency Base Date:	12/31/2003
Allowable Emission Comment:	natural gas. tons/yr based on gas firing(8260hr/yr), oil firing (500hr/yr)

Pollutant:	**PM**
Sequence Number:	2
Allowable Emission:	17
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	17
Equivalent (tpy):	45.6
Future Effective Date:	
Basis:	ESCPSD
Regulation:	
Compliance Method:	stack test
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	5 -- EVERY 5 YEARS
Frequency Base Date:	12/31/2003
Allowable Emission Comment:	fuel oil. tons/yr based on gas firing (8260hr/yr), oil firing (500 hr/yr).

Pollutant:	**PM10**
Sequence Number:	1
Allowable Emission:	10
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	10
Equivalent (tpy):	45.6
Future Effective Date:	
Basis:	ESCPSD
Regulation:	
Compliance Method:	PM STACK TEST
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Allowable Emission Comment:	natural gas. tons/yr based on gas firing(8260hr/yr), oil firing (500hr/yr).

Pollutant:	**PM10**

Sequence Number:	2
Allowable Emission:	17
Unit:	PH -- POUNDS/HOUR
Equivalent (lb/hr):	17
Equivalent (tpy):	45.6
Future Effective Date:	
Basis:	ESCPSD
Regulation:	
Compliance Method:	PM Stack Test
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Allowable Emission Comment:	fuel oil. Ton/yr based on gas firing(8260hr/yr), oil firing (500hr/yr)

Pollutant:	**SO2**
Sequence Number:	1
Allowable Emission:	0.05
Unit:	35 -- PERCENT SULFUR IN FUEL
Equivalent (lb/hr):	103.1
Equivalent (tpy):	24.7
Future Effective Date:	12/31/2002
Basis:	ESCPSD
Regulation:	
Compliance Method:	FUEL ANALYSIS
Compliance Method Code:	4 -- FUEL SAMPLING
Compliance Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Allowable Emission Comment:	oil firing. tons/yr based on gas firing (8260 hr/yr), oil firing (500hr/yr).

Pollutant:	**SO2**
Sequence Number:	2
Allowable Emission:	2
Unit:	99 -- OTHER (SPECIFY IN COMMENT)
Equivalent (lb/hr):	5.1
Equivalent (tpy):	21.5
Future Effective Date:	12/31/2002
Basis:	ESCPSD
Regulation:	
Compliance Method:	fuel analysis
Compliance Method Code:	4 -- FUEL SAMPLING
Compliance Test Frequency:	0 -- NONE REQUIRED
Frequency Base Date:	
Allowable Emission Comment:	natural gas. unit= grains per 100scf of natural gas. tons/yr based on gas firing (8260 hr/yr), oil firing (500 hr/yr).

Pollutant:	**VOC**
Sequence Number:	1
Allowable Emission:	1.5
Unit:	04 -- PARTS PER MILLION DRY GAS VOLUME
Equivalent (lb/hr):	2.8
Equivalent (tpy):	12
Future Effective Date:	12/31/2002
Basis:	RULE
Regulation:	62-212.400
Compliance Method:	STACK TEST
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	5 -- EVERY 5 YEARS
Frequency Base Date:	12/31/2003
Allowable Emission Comment:	gas firing.

Pollutant:	**VOC**
Sequence Number:	2
Allowable Emission:	3.5
Unit:	99 -- OTHER (SPECIFY IN COMMENT)
Equivalent (lb/hr):	7.3
Equivalent (tpy):	1.8
Future Effective Date:	12/31/2002
Basis:	RULE
Regulation:	62-212.400
Compliance Method:	stack test
Compliance Method Code:	1 -- STACK TEST
Compliance Test Frequency:	5 -- EVERY 5 YEARS
Frequency Base Date:	12/31/2003
Allowable Emission Comment:	oil firing, unit=ppmvw

Visible Emissions Information for EU 28

VE Subtype:	VE10
Number of VE Tests:	2
Allowable Opacity Exceptional Condition (%):	
Maximum Period of Exceptional Condition (min/hr):	
Basis:	ESCPSD
Regulation:	
COM Required:	
Test Frequency:	11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date:	9/30/2002
Comment:	

Continuous Monitor for EU 28

No Continuous Monitor information found for this EU

Emission Unit ID:	**29**
Status:	A
Description:	100 MMBTU/HR Natural GAS HEATER #1
Type:	10.01 -- Electric Utilities
EU Classification:	R
Acid Rain Unit:	N
EU Major Group SIC:	49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):	
Model Number:	
Manufacturer:	
Ozone SIP Base Year Unit:	
Startup Date:	4/30/2003
Long-term Reserve Shutdown Date:	
Comment:	NATURAL GAS BURNING.

Operating Capacity

Dwell Temp (F):	
Dwell Time (Sec):	
Afterburner Temp (F):	
Heat Input Rate (mmBTU/hr):	100
Incin. Rate (lb/hr):	
Incin. Rate (ton/day):	
Throughput:	
Throughput Unit:	
Production:	
Production Unit:	
Operating Capacity Comment:	

EU Schedule

Hours per Year: 8760

EU Regulations

Type	Regulation
State	62-212.400

Control Equipment

No Control Equipment found for this EU

PSD

ICE Code	Baseline Emission (ton/yr)	Baseline Emission (lb/hr)
PM		
SO2		
NO2		

CommentPSD-FL-298 (ONLY FOR VOC)

Emission Point Information for EU 29

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	29
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION
Height (ft):	30
Exit Diameter (ft):	1.5
Exit Temperature (°F):	713
Exit Velocity (ft/s):	110.7
Actual Volumetric Flow Rate (acfm):	11736
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2992.6
UTM East (km):	543.1
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 29

Segment #:	2
SCC Code:	10100602
Description 1:	External Combustion Boilers

Description 2:	Electric Generation
Description 3:	Natural Gas
Description 4:	Boilers < 100 Million Btu/hr except Tangential
Status:	A
Unit:	Million Cubic Feet Natural Gas Burned
Segment Description:	
mmBtu/SCC Unit:	1020
Max Hourly Rate:	0.023
Hourly Rate Limit:	
Max Annual Rate:	406.7
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	

Pollutant(s) Summary for EU 29

Pollutant:	CO -- Carbon Monoxide
Primary Control:	
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	
Potential (lb/hr):	7.5
Potential (tpy):	32.85
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	Y
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	(100mmbtu/hr)x(0.075 lb/mmbtu)=7.5 lb/hr; 7.5 lb/hr=32.85ton/yr
Comment:	based on 8760 hr/yr

Pollutant:	NOX -- Nitrogen Oxides
Primary Control:	0 -- no description
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	10
Potential (tpy):	43.8
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	Y
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	based on 8760 hr/yr

Pollutant:	PM -- Particulate Matter - Total
Primary Control:	-- no description
Secondary Control:	
Control Efficiency:	

Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: PM10 -- Particulate Matter - PM10
Primary Control: -- no description
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: SO2 -- Sulfur Dioxide
Primary Control: -- no description
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: VOC -- Volatile Organic Compounds
Primary Control: -- no description
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):

Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Allowable Emissions Information for EU 29

Pollutant: **CO**
Sequence Number: 1
Allowable Emission: 0.075
Unit: 01 -- POUNDS PER MILLION BTU HEAT INPUT
Equivalent (lb/hr): 7.5
Equivalent (tpy): 32.85
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: Initial Stack Test
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Allowable Emission Comment: Basis: PSD-FL-298

Pollutant: **NOX**
Sequence Number: 1
Allowable Emission: 0.1
Unit: 01 -- POUNDS PER MILLION BTU HEAT INPUT
Equivalent (lb/hr): 10
Equivalent (tpy): 43.8
Future Effective Date: 12/31/2002
Basis: OTHER
Regulation:
Compliance Method: Initial Stack Test
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Allowable Emission Comment: Basis: PSD-FL-298

Visible Emissions Information for EU 29

VE Subtype: VE10
Number of VE Tests: 0

Allowable Opacity Exceptional Condition (%):

Maximum Period of Exceptional Condition (min/hr):

Basis: ESCPSD
Regulation:
COM Required:
Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Comment:

Continuous Monitor for EU 29

No Continuous Monitor information found for this EU

Emission Unit ID:	**30**
Status:	A
Description:	100 MMBTU/HR Natural GAS HEATER #2
Type:	10.01 -- Electric Utilities
EU Classification:	R
Acid Rain Unit:	N
EU Major Group SIC:	49 -- ELECTRIC, GAS AND SANITARY SERVICES
Generator Rating (MW):	
Model Number:	
Manufacturer:	
Ozone SIP Base Year Unit:	
Startup Date:	4/30/2003
Long-term Reserve Shutdown Date:	
Comment:	NATURAL GAS

Operating Capacity

Dwell Temp (F):	
Dwell Time (Sec):	
Afterburner Temp (F):	
Heat Input Rate (mmBTU/hr):	100
Incin. Rate (lb/hr):	
Incin. Rate (ton/day):	
Throughput:	
Throughput Unit:	
Production:	
Production Unit:	
Operating Capacity Comment:	

EU Schedule

NO EU Schedule Information found for this EU

EU Regulations

Type	Regulation
State	62-212.400

Control Equipment

No Control Equipment found for this EU

PSD

	ICE Code	Baseline Emission (ton/yr)	Baseline Emission (lb/hr)
PM			
SO2			
NO2			
CommentPSD-FL-298 (ONLY FOR VOC)			

Emission Point Information for EU 30

Type:	1 -- SINGLE POINT SERVING A SINGLE EMISSIONS UNIT
Stack #:	30
Discharge Type:	V -- A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION

Height (ft):	30
Exit Diameter (ft):	1.5
Exit Temperature (°F):	713
Exit Velocity (ft/s):	110.7
Actual Volumetric Flow Rate (acfm):	11736
Water Vapor %:	
Dry Standard Flow Rate:	
UTM Zone:	17
UTM North (km):	2992.6
UTM East (km):	543.1
GEP Stack Height (ft):	
Non-Stack Height (ft):	
Comment:	

Other EUs With This Point in Common

NO EUs IN COMMON

Segment(s) Information for EU 30

Segment #:	1
SCC Code:	10100602
Description 1:	External Combustion Boilers
Description 2:	Electric Generation
Description 3:	Natural Gas
Description 4:	Boilers < 100 Million Btu/hr except Tangential
Status:	A
Unit:	Million Cubic Feet Natural Gas Burned
Segment Description:	
mmBtu/SCC Unit:	1020
Max Hourly Rate:	0.023
Hourly Rate Limit:	
Max Annual Rate:	406.7
Annual Rate Limit:	
Estimated Annual Activity Factor:	
Max Percent S:	
Percent S Limit:	
Max Percent Ash:	
Comment:	

Pollutant(s) Summary for EU 30

Pollutant:	CO -- Carbon Monoxide
Primary Control:	-- no description
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	
Potential (lb/hr):	7.5
Potential (tpy):	32.85
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	Y
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	(100mmbtu/hr)x(0.075 lb/mmbtu)=7.5 lb/hr; 7.5 lb/hr=32.85 ton/yr
Comment:	based on 8760 hr/yr

Pollutant:	NOX -- Nitrogen Oxides
Primary Control:	0 -- no description
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	EL
Potential (lb/hr):	10
Potential (tpy):	43.8
Emission Method:	0
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	Y
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	based on 8760 hr/yr

Pollutant:	PM -- Particulate Matter - Total
Primary Control:	-- no description
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	

Pollutant:	PM10 -- Particulate Matter - PM10
Primary Control:	-- no description
Secondary Control:	
Control Efficiency:	
Pollutant Regulatory Code:	
Potential (lb/hr):	
Potential (tpy):	
Emission Method:	
Estimated Fugitive LL (tpy):	
Estimated Fugitive UL (tpy):	
Synthetic Limited:	
Emission Factor:	
Emission Factor Unit:	
Emission Factor Ref:	
Emission Calculation:	
Comment:	

Pollutant:	SO2 -- Sulfur Dioxide
Primary Control:	-- no description
Secondary Control:	
Control Efficiency:	

Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Pollutant: VOC -- Volatile Organic Compounds
Primary Control: -- no description
Secondary Control:
Control Efficiency:
Pollutant Regulatory Code:
Potential (lb/hr):
Potential (tpy):
Emission Method:
Estimated Fugitive LL (tpy):
Estimated Fugitive UL (tpy):
Synthetic Limited:
Emission Factor:
Emission Factor Unit:
Emission Factor Ref:
Emission Calculation:
Comment:

Allowable Emissions Information for EU 30

Pollutant: **CO**
Sequence Number: 1
Allowable Emission: 0.075
Unit: 01 -- POUNDS PER MILLION BTU HEAT INPUT
Equivalent (lb/hr): 7.5
Equivalent (tpy): 32.85
Future Effective Date:
Basis: OTHER
Regulation:
Compliance Method: Initial Stack Test
Compliance Method Code: 1 -- STACK TEST
Compliance Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Allowable Emission Comment: Basis: PSD-FL-298

Pollutant: **NOX**
Sequence Number: 1
Allowable Emission: 0.1
Unit: 01 -- POUNDS PER MILLION BTU HEAT INPUT
Equivalent (lb/hr): 10
Equivalent (tpy): 43.8
Future Effective Date: 12/31/2002
Basis: OTHER
Regulation:
Compliance Method: Initial Stack Test
Compliance Method Code: 1 -- STACK TEST

Compliance Test Frequency: 0 -- NONE REQUIRED
Frequency Base Date:
Allowable Emission Comment: Basis: PSD-FL-298

Visible Emissions Information for EU 30

VE Subtype: VE10
Number of VE Tests: 1

Allowable Opacity Exceptional Condition (%):

Maximum Period of Exceptional Condition (min/hr):

Basis: ESCPSD
Regulation:
COM Required:
Test Frequency: 11 -- EACH FFY (1 OCT - 30 SEP)
Frequency Base Date: 9/30/2002
Comment:

Continuous Monitor for EU 30

No Continuous Monitor information found for this EU

END OF REPORT