Department of
Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

Identification of Facility Addressed in This Application

1. Facility Owner/Company Name :
Orlando Utilties Commission

2. Site Name :
Indian River Plant

3. Facility Identification Number : 300RL050008 * [ ] Unknown

4. Facility Location :
Indian River Plant
Orlando Utilities Commission
US 1 & Kings HWY
Titusville, Florida 32780

Street Address or Other Locator : US 1 & Kings HWY
City : Titusville County : Brevard Zip Code : 32780-

5. Relocatable Facility?
[ ] Yes [X] No

6. Existing Permitted Facility?
[ ] Yes [ ] No

DEP Form No. 62-210.900(1) - Form
Effective : 3-21-96

0090008

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official :

Name : Gregory A. DeMuth
Title : Director, Environmental Division

2. Owner or Authorized Representative or Responsible Official Mailing Address :

Organization/Firm : Orlando Utilities Commission
Street Address : 500 Orange Ave.
City : Orlando
State : FL Zip Code : 32801-

3. Owner/Authorized Representative or Responsible Official Telephone Numbers :

Telephone :(407)423-9141 Fax : (407)236-9616

4. Owner/Authorized Representative or Responsible Official Statement :

I, the undersigned, am the owner or authorized representative of the non-Title V sourc*

Signature Date

* Attach letter of authorization if not currently on file.

Scope of Application

Emissions Unit ID		Description of Emissions Unit		Permit Type
001	*	Boiler 1	+	
002	*	Boiler 2	+	
003	*	Boiler 3	+	
004	*	Combustion Turbine A	+	
005	*	Combustion Turbine B	+	
006	*	Combustion Turbine C	+	
007	*	Combustion Turbine D	+	
08	*	Lime Storage Silo	+	
No	*	Non-regulated Emissions - Exempt and Insignifcant	+	
No Id	*	Non-regulated Emissions - Significant	+	

Purpose of Application and Category

Category I : All Air Operation Permit Applications Subject to Processing Under Chapter 62-213, F.A.C.

This Application for Air Permit is submitted to o

[X] Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.

[ ] Initial air operation permit under Chapter 62-213, F.A.C., 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 :

[ ] Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.

Operation permit to be renewed :

[ ] Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number :

Operation permit to be revised :

[ ] Air operation permit revision or administrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application.

Operation permit to be revised/corrected :

[ ] Air operation permit revision for a Title V source for reasons other than construction or modification of an emissions unit.

Operation permit to be revised :

Reason for revision :

Category II : All Air Operation Permit Applications Subject to Processing Under Rule 62-210.300(2)(b), F.A.C.

This Application for Air Permit is submitted to obtain :

[ ] Initial air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s) :

[ ] Renewal air operation permit under Fule 62-210.300(2)(b), F.A.C., for a synthetic non-Title V source.

Operation permit to be renewed :

[ ] Air operation permit revision for a synthetic non-Title V source.

Operation permit to be revised :

Reason for revision :

Category III : All Air Construction Permit Applications for All Facilities and Emissions Units

This Application for Air Permit is submitted to obtain :

[ ] Air construction permit to construct or modify one or more emissions units within a facility (including any facility classified as a Title V source).

Current operation permit number(s), if any :

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

Current operation permit number(s) :

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

Category IV : All Non-Federally Enforceable Air Operation

This Application for Air Permit is submitted to o

[ ] Initial air operation permit for one or more existing, but previously unpermitted, emissions units.

[ ] Initial air operation permit for one or more newly constructed or modified

Current construction permit number :

[ ] Air operation permit revision to address one or more newly constructed or modified emissions units.

Current construction permit number :

Operation permit to be revised :

[ ] Air operation permit renewal.

Operation permit to be renewed :

Application Processing Fee

Check one :

[ ] Attached - Amount : $0.00 [X] Not Applicable.

Construction/Modification Information

1. Description of Proposed Project or Alterations :

   Indian River Plant

2. Projected or Actual Date of Commencement of Construction :

3. Projected Date of Completion of Construction :

Professional Engineer Certification

1. Professional Engineer Name : G. Preston Lewis, P.E.
   Registration Number : 41755

2. Professional Engineer Mailing Address :

   Organization/Firm : ENSR
   Street Address : P.O. Box 13206
   City : Tallahassee State : FL Zip Code : 32317-3206

3. Professional Engineer Telephone Numbers :
   Telephone : (904)385-0808 Fax : (904)385-5457

4. Professional Engineer Statement :

I, the undersigned, hereby certified, 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 pollutant 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 [ ] if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

_____ _____

Signature Date

(seal)

* Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact :

Name : Robert F. Hicks
Title : Senior Environmental Engineer

2. Application Contact Mailing Address :

Organization/Firm : Orlando Utilities Commission
Street Address : 500 South Orange Avenue
City : Orlando
State : FL Zip Code : 32802-3193

3. Application Contact Telephone Numbers :

Telephone : (407)423-9100 Fax : (407)236-9616

Application Comment

Alternate Contacts for the Application:

Preston Lewis, P.E. (904) 385-0808
Barry Andrews, P.E. (205) 767-1210

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility, Location, and Type

1. Facility UTM Coordinates :
   Zone : 17 East (km) : 521.50 North (km) : 3151.60

2. Facility Latitude/Longitude :
   Latitude (DD/MM/SS) : 28 29 32 Longitude (DD/MM/SS) : 80 46 59

3. Governmental Facility Code :	4. Facility Status Code :	5. Facility Major Group SIC Code :	6. Facility SIC(s) :
4	A	49	

7. Facility Comment :
   Electric Power Plant.

DEP Facility Comment

Facility Contact

1. Name and Title of Facility Contact :
   Robert F. Hicks
   Senior Environmental Engineer

2. Facility Contact Mailing Address :
   Organization/Firm : Orlando Utilities Commission
   Street Address : 500 South Orange Avenue
   City : Orlando State : FL Zip Code : 32802-____

3. Facility Contact Telephone Numbers :
   Telephone : (407)423-9100 Fax : (407)236-9616

Facility Contact

1. Name and Title of Facility Contact :

Name : Robert F. Hicks
Title : Senior Environmental Engineer

2. Facility Contact Mailing Address :

Organization/Firm : Orlando Utilities Commission
Street Address : 500 South Orange Avenue
City : Orlando
State : FL Zip Code : 32802-____

3. Facility Contact Telephone Numbers :

Telephone : (407)423-9100 Fax : (407)236-9616

Facility Regulatory Classifications

1. Small Business Stationary Source?	N
2. Title V Source?	Y
3. Synthetic Non-Title V Source?	N
4. Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?	Y
5. Synthetic Minor Source of Pollutants Other than HAPs?	N
6. Major Source of Hazardous Air Pollutants (HAPs)?	Y
7. Synthetic Minor Source of HAPs?	N
8. One or More Emissions Units Subject to NSPS?	Y
9. One or More Emission Units Subject to NESHAP?	N
10. Title V Source by EPA Designation?	Y
11. Facility Regulatory Classifications Comment :	
Ozone SIP Facility :	+
Annual Operating Report Required :	+

Property Boundary

UTM Coordinates :

Zone : + East : km + North : km +

Building Identification

Identification of Building on Plot Plan or Flow Diagram :

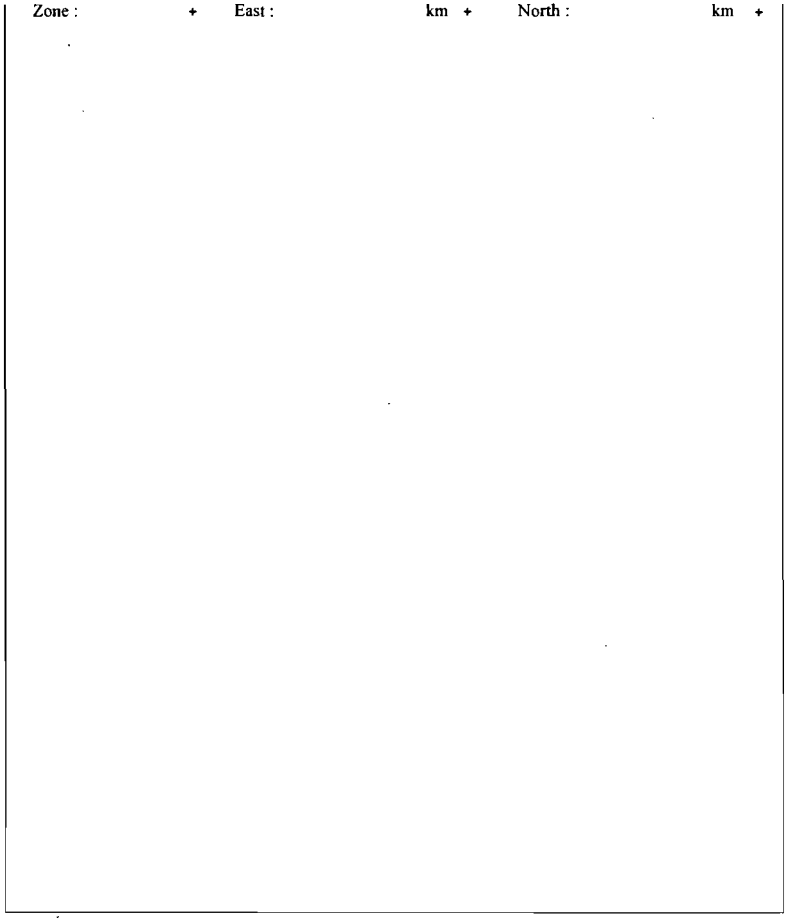
+

Building Height : FT +

Building Boundary

UTM Coordinates :

Zone : + East : km + North : km +



B. FACILITY REGULATIONS

Rule Applicability Analysis

B. FACILITY REGULATIONS

List of Applicable Regulations

Title V Core List of Rules dated 3-25-1996

C. FACILITY POLLUTANTS

Facility Pollutant Information

1. Pollutant Emitted	2. Pollutant Classification
CO	
PB	
NOX	
PM	
PM10	
SO2	
VOC	
HCL	
H095	
H014	
H015	
H027	
H162	

C. FACILITY POLLUTANTS

Facility Pollutant Information

1. Pollutant Emitted	2. Pollutant Classification
H046	
H047	
H113	
H114	
H133	
H021	
SAM	
H148	

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 1

1. Pollutant Emitted : CO
2. Requested Emissions Cap : (lbs/hour) (tons/year)
3. Basis for Emissions Cap Code :
4. Facility Pollutant Comment : None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 2

1. Pollutant Emitted : PB
2. Requested Emissions Cap : (lbs/hour) (tons/year)
3. Basis for Emissions Cap Code :
4. Facility Pollutant Comment : None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 3

1. Pollutant Emitted : NOX

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 4

1. Pollutant Emitted : PM

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 5

1. Pollutant Emitted : PM10

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 6

1. Pollutant Emitted : SO2

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 7

1. Pollutant Emitted : VOC

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 8

1. Pollutant Emitted : HCL

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 9

1. Pollutant Emitted : H095

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 10

1. Pollutant Emitted : H014

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 11

1. Pollutant Emitted : H015
2. Requested Emissions Cap : (lbs/hour) (tons/year)
3. Basis for Emissions Cap Code :
4. Facility Pollutant Comment : None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 12

1. Pollutant Emitted : H027
2. Requested Emissions Cap : (lbs/hour) (tons/year)
3. Basis for Emissions Cap Code :
4. Facility Pollutant Comment : None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 13

1. Pollutant Emitted : H162

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 14

1. Pollutant Emitted : H046

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 15

1. Pollutant Emitted : H047

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 16

1. Pollutant Emitted : H113

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 17

1. Pollutant Emitted : H114

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 18

1. Pollutant Emitted : H133

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 19

1. Pollutant Emitted : H021

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 20

1. Pollutant Emitted : SAM

2. Requested Emissions Cap : (lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 21

1. Pollutant Emitted : H148

2. Requested Emissions Cap :
(lbs/hour) (tons/year)

3. Basis for Emissions Cap Code :

4. Facility Pollutant Comment :

None.

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E. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location :	Figure 1
2. Facility Plot Plan :	Figure 2
3. Process Flow Diagram(s) :	Figures 3 - 10
4. Precautions to Prevent Emissions of Unconfined Particulate Matter :	NA
5. Fugitive Emissions Identification :	Appendix A
6. Supplemental Information for Construction Permit Application :	NA

Additional Supplemental Requirements for Category I Applications Only

7. List of Proposed Exempt Activities :	Appendix B
8. List of Equipment/Activities Regulated under Title VI :	Appendix M
9. Alternative Methods of Operation :	Appendix C
10. Alternative Modes of Operation (Emissions Trading) :	NA
11. Identification of Additional Applicable Requirements :	
12. Compliance Assurance Monitoring Plan :	NA
13. Risk Management Plan Verification :	NA
14. Compliance Report and Plan :	Appendix D
15. Compliance Certification (Hard-copy Required) :	Appendix E

III. EMISSIONS UNIT INFORMATION

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 1

Boiler 1 +

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one :

[ ] 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.

2. Single Process, Group of Processes, or Fugitive Only? Check one :

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

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

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

III. EMISSIONS UNIT INFORMATION

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 2

Boiler 2 +

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one :

[ ] 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.

2. Single Process, Group of Processes, or Fugitive Only? Check one :

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

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

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

III. EMISSIONS UNIT INFORMATION

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 3

Boiler 3 +

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one :

[ ] 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.

2. Single Process, Group of Processes, or Fugitive Only? Check one :

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

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

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

III. EMISSIONS UNIT INFORMATION

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 4

Combustion Turbine A +

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one :

[ ] 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.

2. Single Process, Group of Processes, or Fugitive Only? Check one :

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

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

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

III. EMISSIONS UNIT INFORMATION

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 5

Combustion Turbine B

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one :

[ ] 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.

2. Single Process, Group of Processes, or Fugitive Only? Check one :

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

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

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

III. EMISSIONS UNIT INFORMATION

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 6

Combustion Turbine C

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one :

[ ] 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.

2. Single Process, Group of Processes, or Fugitive Only? Check one :

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

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

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

III. EMISSIONS UNIT INFORMATION

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 7

Combustion Turbine D

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one :

[ ] 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.

2. Single Process, Group of Processes, or Fugitive Only? Check one :

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

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

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

III. EMISSIONS UNIT INFORMATION

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 8

Lime Storage Silo

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one :

[ ] 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.

2. Single Process, Group of Processes, or Fugitive Only? 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).

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[ ] 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.

III. EMISSIONS UNIT INFORMATION

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 9

Non-regulated Emissions - Exempt and Insignifcant +

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one :

[ ] 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.

2. Single Process, Group of Processes, or Fugitive Only? Check one :

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

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

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

III. EMISSIONS UNIT INFORMATION

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 10

Non-regulated Emissions - Significant +

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one :

[ ] 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.

2. Single Process, Group of Processes, or Fugitive Only? Check one :

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

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

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

Emissions Unit Information Section 1

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : * Boiler 1 Description of Emissions Unit for AIRS Tracking : + Boiler 1		
2. Emissions Unit Identification Number : 001 * [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A *	4. Acid Rain Unit? [X] Yes [ ] No *	5. Emissions Unit Major Group SIC Code : 49 +
6. Emissions Unit Comment : DEP Emissions Unit Comment : Similar-Emissions Unit Identification Numbers for Fee Purposes : 0 +		

Emissions Unit Information Section 2

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : * Boiler 2 Description of Emissions Unit for AIRS Tracking : + Boiler 2		
2. Emissions Unit Identification Number : 002 * [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A *	4. Acid Rain Unit? [X] Yes [ ] No *	5. Emissions Unit Major Group SIC Code : 49 +
6. Emissions Unit Comment : Boiler 1 and Boiler 2 exhaust into common stack. DEP Emissions Unit Comment : Similar-Emissions Unit Identification Numbers for Fee Purposes : 0 +		

Emissions Unit Information Section 3

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : * Boiler 3 Description of Emissions Unit for AIRS Tracking : + Boiler 3		
2. Emissions Unit Identification Number : 003 * [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A *	4. Acid Rain Unit? [X] Yes [ ] No *	5. Emissions Unit Major Group SIC Code : 49 +
6. Emissions Unit Comment : DEP Emissions Unit Comment : Similar-Emissions Unit Identification Numbers for Fee Purposes : 0 +		

Emissions Unit Information Section 4

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : * Combustion Turbine A Description of Emissions Unit for AIRS Tracking : + Combustion Turbine A		
2. Emissions Unit Identification Number : 004 * [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A *	4. Acid Rain Unit? [ ] Yes [X] No *	5. Emissions Unit Major Group SIC Code : 49 +
6. Emissions Unit Comment : 35 MW Generator Nameplate Rating for each GE combustion turbine. DEP Emissions Unit Comment : Similar-Emissions Unit Identification Numbers for Fee Purposes : 0 +		

Emissions Unit Information Section 5

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : * Combustion Turbine B Description of Emissions Unit for AIRS Tracking : + Combustion Turbine B		
2. *Emissions Unit Identification Number* : 005 * [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A *	4. Acid Rain Unit? [ ] Yes [X] No *	5. Emissions Unit Major Group SIC Code : 49 +
6. Emissions Unit Comment : 35 MW Generator Nameplate Rating for each GE combustion turbine. DEP Emissions Unit Comment : Similar-Emissions Unit Identification Numbers for Fee Purposes : 0 +		

Emissions Unit Information Section 6

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : * Combustion Turbine C Description of Emissions Unit for AIRS Tracking : + Combustion Turbine C		
2. *Emissions Unit Identification Number* : 006 * [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A *	4. Acid Rain Unit? [X] Yes [ ] No *	5. Emissions Unit Major Group SIC Code : 49 +
6. Emissions Unit Comment : DEP Emissions Unit Comment : Similar-Emissions Unit Identification Numbers for Fee Purposes : 0 +		

Emissions Unit Information Section 7

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : *
Combustion Turbine D

Description of Emissions Unit for AIRS Tracking : +
Combustion Turbine D

2. *Emissions Unit Identification Number* : 007 *
[ ] No Corresponding ID [ ] Unknown

3. Emissions Unit Status	4. Acid Rain Unit?	5. Emissions Unit Major
Code : A *	[X] Yes [ ] No *	Group SIC Code : 49 +

6. Emissions Unit Comment :

DEP Emissions Unit Comment :

Similar-Emissions Unit Identification Numbers for Fee Purposes :
0 +

Emissions Unit Information Section 8

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : *
Lime Storage Silo

Description of Emissions Unit for AIRS Tracking : +
Lime Storage Silo

2. *Emissions Unit Identification Number* : 08 *
[ ] No Corresponding ID [ ] Unknown

3. Emissions Unit Status	4. Acid Rain Unit?	5. Emissions Unit Major
Code : A *	[ ] Yes [X] No *	Group SIC Code : 49 +

6. Emissions Unit Comment :

DEP Emissions Unit Comment :

Similar-Emissions Unit Identification Numbers for Fee Purposes :
0 +

Emissions Unit Information Section 9

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : *
Non-regulated Emissions - Exempt and Insignifcant

Description of Emissions Unit for AIRS Tracking : +
Non-regulated Emissions - Exempt and Insignifcant

2. Emissions Unit Identification Number : No *
[ ] No Corresponding ID [ ] Unknown

3. Emissions Unit Status	4. Acid Rain Unit?	5. Emissions Unit Major
Code : A *	[ ] Yes [X] No *	Group SIC Code : 49 +

6. Emissions Unit Comment :

Unregulated Units

Non-regulated emission points believed to be exempt, presumed exempt or insignifiacnt:

Painting for maintenance purposes
Bead Blasting
Welding
Lube oil reservoir vents
Soot cleanout from boilers
CEM equipment
Laoratory hood
Water treatment process (Cl emissions < 10 tpy)
Waste water effluent
Routine maintenance activities other than painting
Oil/Water separators (2)
Painting for construction purposes
Propane tank
Transformers
Valve stations
Percolation Ponds
Barge No. 6 fuel unloading
Fuel Oil tanks 1,2 and 3
Light Oil tanks 1 and 2 and fuel pump
Parts washers
Generator venting
Natural gas safety vavles

DEP Emissions Unit Comment :

Similar-Emissions Unit Identification Numbers for Fee Purposes :
0 +

Emissions Unit Information Section 10

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : *
Non-regulated Emissions - Significant

Description of Emissions Unit for AIRS Tracking : +
Non-regulated Emissions - Significant

2. Emissions Unit Identification Number : *
[X] No Corresponding ID [ ] Unknown

3. Emissions Unit Status	4. Acid Rain Unit?	5. Emissions Unit Major
Code : A *	[ ] Yes [X] No *	Group SIC Code : 49 +

6. Emissions Unit Comment :
Non-regulated emissions - Significant:

Paved roads
Unpaved roads

DEP Emissions Unit Comment :

Similar-Emissions Unit Identification Numbers for Fee Purposes :
0 +

Fugitives

Emissions Unit Information Section 4
Combustion Turbine A

Emissions Unit Control Equipment 1

1. Description :

Water Injection to control NOx Emissions.

2. Control Device or Method Code : 28 *

Steam or Water Injection

Emissions Unit Information Section 5
Combustion Turbine B

Emissions Unit Control Equipment 1

1. Description :

Water Injection to control NOx emissions.

2. Control Device or Method Code : 28 *

Steam or Water Injection

Emissions Unit Information Section 6
Combustion Turbine C

Emissions Unit Control Equipment 1

1. Description : Water injection to control NOx emissions.
2. Control Device or Method Code : 28 * steam or water injection

Emissions Unit Information Section 6
Combustion Turbine C

Emissions Unit Control Equipment 2

1. Description : Baffles for noise emission control.
2. Control Device or Method Code : 78 * baffle

Emissions Unit Information Section 7
Combustion Turbine D

Emissions Unit Control Equipment 1

1. Description : Water injection to control NOx emissions.
2. Control Device or Method Code : 28 * Steam or Water Injection

Emissions Unit Information Section 7
Combustion Turbine D

Emissions Unit Control Equipment 2

1. Description : Baffles to control noise emissions.
2. Control Device or Method Code : 78 * Baffle

Emissions Unit Information Section 8
Lime Storage Silo

Emissions Unit Control Equipment 1

1. Description : Baghouse made by General Resource Corporation, Model 13204.8.
2. Control Device or Method Code : 18 * Low Temp. Fabric Filter

Lime Storage
Baghouse

E.U. INFO

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Boiler 1

Emissions Unit Details

1. Initial Startup Date :	01-Feb-1960
2. Long-term Reserve Shutdown Date :	
3. Package Unit : Manufacturer : Combustion Engineering Steam Generator	Model Number :
4. Generator Nameplate Rating :	87 MW
5. Incinerator Information :	
Dwell Temperature :	Degrees Fahrenheit
Dwell Time :	Seconds
Incinerator Afterburner Temperature :	Degrees Fahrenheit
Emissions Unit Type Code :	49 +
Ozone SIP Base Emissions Unit :	+

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	866	mmBtu/hr	
2. Maximum Incinerator Rate :		lb/hr	tons/day
3. Maximum Process or Throughput Rate :			
4. Maximum Production Rate :			
5. Operating Capacity Comment : Permit Restrictions: Btu Oil = 832.2 MMBtu/hr Btu Gas = 865.5 MMBtu/hr			

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
24 hours/day	7 days/week
50 weeks/year	8,400 hours/year

Limited hours

Hours of operation

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Boiler 2

Emissions Unit Details

1. Initial Startup Date :	01-Sep-1964
2. Long-term Reserve Shutdown Date :	
3. Package Unit : Manufacturer : Combustion Engineering Steam Generator	Model Number :
4. Generator Nameplate Rating :	188 MW
5. Incinerator Information :	
Dwell Temperature :	Degrees Fahrenheit
Dwell Time :	Seconds
Incinerator Afterburner Temperature :	Degrees Fahrenheit
Emissions Unit Type Code :	49 +
Ozone SIP Base Emissions Unit :	+

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	2249	mmBtu/hr	
2. Maximum Incinerator Rate :		lb/hr	tons/day
3. Maximum Process or Throughput Rate :			
4. Maximum Production Rate :			
5. Operating Capacity Comment : Permit Restrictions: Btu Oil = 2016.5 MMBtu/hr Btu Gas = 2248.7 MMBtu/hr			

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
24 hours/day	7 days/week
50 weeks/year	8,400 hours/year

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 3
Boiler 3

Emissions Unit Details

1. Initial Startup Date :	01-Feb-1974
2. Long-term Reserve Shutdown Date :	
3. Package Unit : Manufacturer : Combustion Engineering Steam Generator	Model Number :
4. Generator Nameplate Rating :	328 MW
5. Incinerator Information :	
Dwell Temperature :	Degrees Fahrenheit
Dwell Time :	Seconds
Incinerator Afterburner Temperature :	Degrees Fahrenheit
Emissions Unit Type Code :	49 +
Ozone SIP Base Emissions Unit :	+

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	3208	mmBtu/hr	
2. Maximum Incinerator Rate :		lb/hr	tons/day
3. Maximum Process or Throughput Rate :			
4. Maximum Production Rate :			
5. Operating Capacity Comment : Permit Restrictions: Btu Oil = 3048.8 MMBtu/hr Btu Gas = 3208.5 MMBtu/hr			

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
24 hours/day	7 days/week
50 weeks/year	8,400 hours/year

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 4
Combustion Turbine A

Emissions Unit Details

1. Initial Startup Date :	01-Aug-1990
2. Long-term Reserve Shutdown Date :	
3. Package Unit : Manufacturer : GE	Model Number : Frame 6
4. Generator Nameplate Rating :	35 MW
5. Incinerator Information :	
Dwell Temperature :	Degrees Fahrenheit
Dwell Time :	Seconds
Incinerator Afterburner Temperature :	Degrees Fahrenheit
Emissions Unit Type Code :	49 +
Ozone SIP Base Emissions Unit :	+

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	445	mmBtu/hr	
2. Maximum Incinerator Rate :		lb/hr	tons/day
3. Maximum Process or Throughput Rate :			
4. Maximum Production Rate :			
5. Operating Capacity Comment : The maximum heat input rate 445 mmBtu/hour is the max for each of the GE combustion turbines.			

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
24 hours/day	7 days/week
52 weeks/year	8,760 hours/year

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 5
Combustion Turbine B

Emissions Unit Details

1. Initial Startup Date :	01-Aug-1990
2. Long-term Reserve Shutdown Date :	
3. Package Unit :	
Manufacturer : GE	Model Number : Frame 6
4. Generator Nameplate Rating :	35 MW
5. Incinerator Information :	
Dwell Temperature :	Degrees Fahrenheit
Dwell Time :	Seconds
Incinerator Afterburner Temperature :	Degrees Fahrenheit
Emissions Unit Type Code :	49 +
Ozone SIP Base Emissions Unit :	+

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	445	mmBtu/hr	
2. Maximum Incinerator Rate :		lb/hr	tons/day
3. Maximum Process or Throughput Rate :			
4. Maximum Production Rate :			
5. Operating Capacity Comment : The maximum heat input rate 445 mmBtu/hour is the max for each of the GE combustion turbines.			

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
24 hours/day	7 days/week
52 weeks/year	8,760 hours/year

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 6
Combustion Turbine C

Emissions Unit Details

1. Initial Startup Date :	01-Nov-1991
2. Long-term Reserve Shutdown Date :	
3. Package Unit :	
Manufacturer : Westinghouse	Model Number : 501-D5
4. Generator Nameplate Rating :	129 MW
5. Incinerator Information :	
Dwell Temperature :	Degrees Fahrenheit
Dwell Time :	Seconds
Incinerator Afterburner Temperature :	Degrees Fahrenheit
Emissions Unit Type Code :	49 +
Ozone SIP Base Emissions Unit :	+

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	1354 mmBtu/hr	
2. Maximum Incinerator Rate :	lb/hr	tons/day
3. Maximum Process or Throughput Rate :		
4. Maximum Production Rate :		
5. Operating Capacity Comment : Maximum heat input shall not exceed 1,354 MMBtu/hr (gas) or 1346 MMBtu/hr (oil) based on the lower heating values of each fuel.		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
24 hours/day	7 days/week
52 weeks/year	4,380 hours/year

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 7
Combustion Turbine D

Emissions Unit Details

1. Initial Startup Date :	01-Nov-1991
2. Long-term Reserve Shutdown Date :	
3. Package Unit :	
Manufacturer : Westinghouse	Model Number : 501-D5
4. Generator Nameplate Rating :	129 MW
5. Incinerator Information :	
Dwell Temperature :	Degrees Fahrenheit
Dwell Time :	Seconds
Incinerator Afterburner Temperature :	Degrees Fahrenheit
Emissions Unit Type Code :	49 +
Ozone SIP Base Emissions Unit :	+

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	1354 mmBtu/hr	
2. Maximum Incinerator Rate :	lb/hr	tons/day
3. Maximum Process or Throughput Rate :		
4. Maximum Production Rate :		
5. Operating Capacity Comment : Maximum heat input shall not exceed 1,354 MMBtu/hr (gas) or 1346 MMBtu/hr (oil) based on the lower heating values of each fuel.		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
24 hours/day	7 days/week
52 weeks/year	4,380 hours/year

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 8
Lime Storage Silo

Emissions Unit Details

1. Initial Startup Date :	25-Feb-1993
2. Long-term Reserve Shutdown Date :	
3. Package Unit :	
Manufacturer : General Resource Corp.	Model Number : 13204.8
4. Generator Nameplate Rating :	MW
5. Incinerator Information :	
Dwell Temperature :	Degrees Fahrenheit
Dwell Time :	Seconds
Incinerator Afterburner Temperature :	Degrees Fahrenheit
Emissions Unit Type Code :	49 +
Ozone SIP Base Emissions Unit :	+

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	mmBtu/hr	
2. Maximum Incinerator Rate :	lb/hr	tons/day
3. Maximum Process or Throughput Rate :		
4. Maximum Production Rate :		
5. Operating Capacity Comment :		
Operating conditions from permit No. AO05-229996:		
This silo is permitted to be loaded 2 hours/days		
The maximum permitted loading rate is 10 tons/hours.		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
4 hours/day	7 days/week
52 weeks/year	20 hours/year

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 9
Non-regulated Emissions - Exempt and Insignifcant

Emissions Unit Details

1. Initial Startup Date :	01-Feb-1960
2. Long-term Reserve Shutdown Date :	
3. Package Unit :	
Manufacturer :	Model Number :
4. Generator Nameplate Rating :	MW
5. Incinerator Information :	
Dwell Temperature :	Degrees Fahrenheit
Dwell Time :	Seconds
Incinerator Afterburner Temperature :	Degrees Fahrenheit
Emissions Unit Type Code :	49 +
Ozone SIP Base Emissions Unit :	+

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	0	mmBtu/hr	
2. Maximum Incinerator Rate :		lb/hr	tons/day
3. Maximum Process or Throughput Rate :			
4. Maximum Production Rate :			
5. Operating Capacity Comment :			

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
24 hours/day	7 days/week

52 weeks/year	8,760 hours/year

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 10
Non-regulated Emissions - Significant

Emissions Unit Details

1. Initial Startup Date :	01-Feb-1960
2. Long-term Reserve Shutdown Date :	
3. Package Unit : Manufacturer :	Model Number :
4. Generator Nameplate Rating :	MW
5. Incinerator Information :	
Dwell Temperature :	Degrees Fahrenheit
Dwell Time :	Seconds
Incinerator Afterburner Temperature :	Degrees Fahrenheit
Emissions Unit Type Code :	49 +
Ozone SIP Base Emissions Unit :	+

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	0	mmBtu/hr	
2. Maximum Incinerator Rate :		lb/hr	tons/day
3. Maximum Process or Throughput Rate :			
4. Maximum Production Rate :			
5. Operating Capacity Comment :			

Emissions Unit Operating Schedule

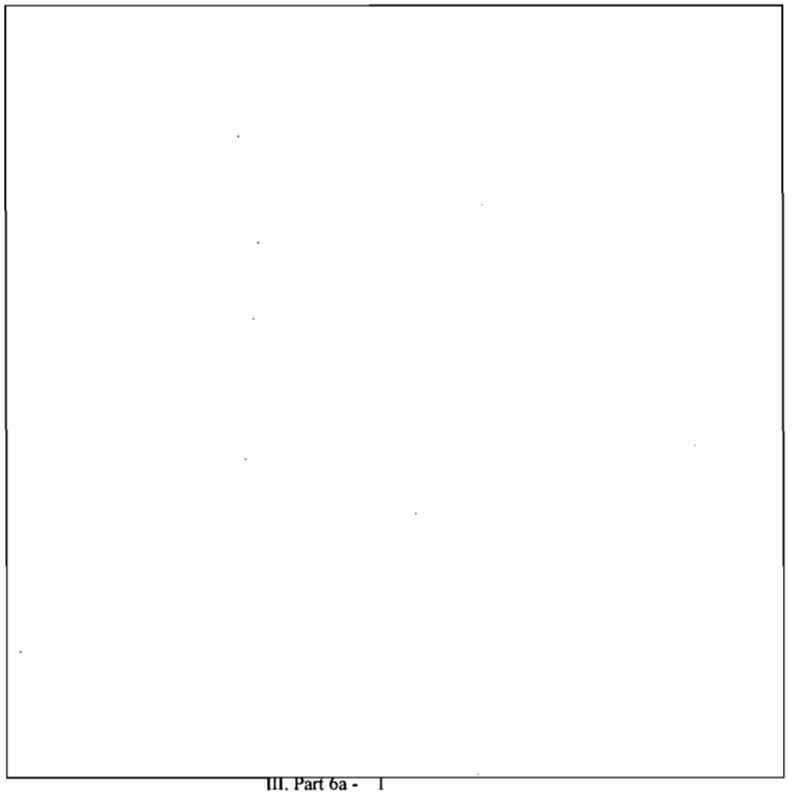
Requested Maximum Operating Schedule :	
24 hours/day	7 days/week

52 weeks/year	8,760 hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Boiler 1

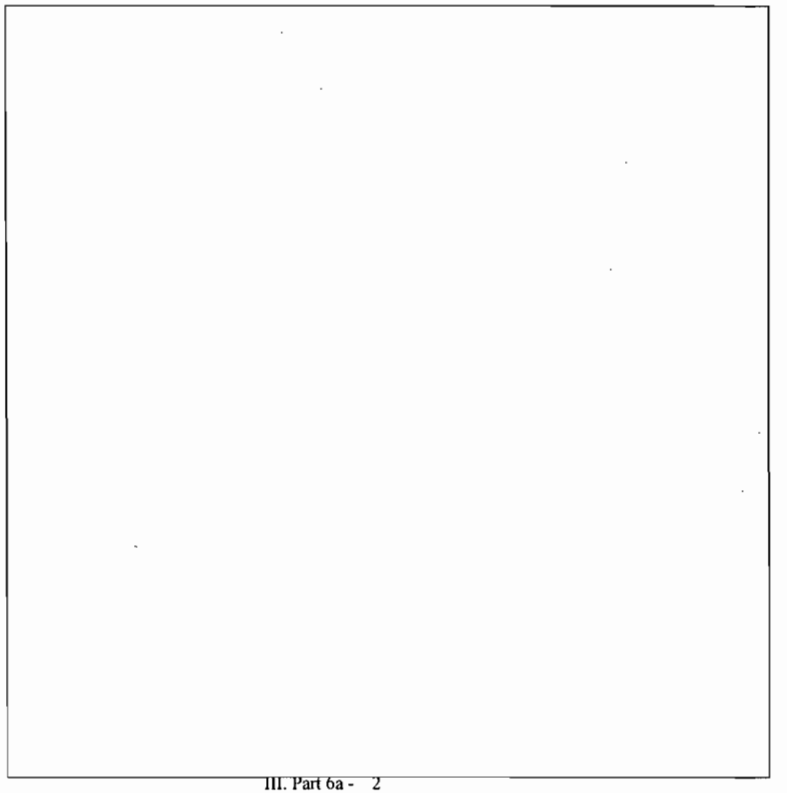
Rule Applicability Analysis



D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Boiler 2

Rule Applicability Analysis



D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 3
Boiler 3

Rule Applicability Analysis

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 4
Combustion Turbine A

Rule Applicability Analysis

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 5
Combustion Turbine B

Rule Applicability Analysis

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 6
Combustion Turbine C

Rule Applicability Analysis

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 7
Combustion Turbine D

Rule Applicability Analysis

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 8
Lime Storage Silo

Rule Applicability Analysis

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 9
Non-regulated Emissions - Exempt and Insignificant

Rule Applicability Analysis

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 10
Non-regulated Emissions - Significant

Rule Applicability Analysis

Emissions Unit Information Section 1
Boiler 1

List of Applicable Regulations

62-210.700 Excess Emissions

62-212.300 General Preconstruction Review

62-212.400 PSD

62-213.415 Trading of Emissions within a Source

62-213.450 EPA and Affected States Review

62-296.600(5) Record Keeping/Reporting

62-297.100 Monitoring Propose/Scope

62-297.310 General Test Requirements

62-297.401 Compliance Test Methods

62-297.440 Supplementary Test

62-297.620 Exceptions and Approval of Alternate Procedures

62-213.413 Fast Track Permitting fro Acid Rain Sources

62-214 Requirements for Sources Subject to Acid Rain Program

62-296.405 Fossil Fuel Steam Generators > 250 MMBtu/hr heat input

Air Operation Permit AO05-183384

Consent Order File No. 92-0546

Applicable Regulations

Emissions Unit Information Section 2
Boiler 2

List of Applicable Regulations

62-297.310 General Test requirements

62-297.401 Compliance Test Methods

62-297.440 Supplementary Test

62-297.620 Exceptions and Approval of Alternate Procedures

62-213.413 Fast Track Permitting for Acid Rain Sources

62-214 Requirements for Sources Subject to Acid Rain Program

62-296.405 Fossil Fuel Steam Generators > 250 MMBtu/hr heat input

62-210.700 Excess Emissions

62-212.300 General Preconstruction Review

62-212.400 PSD

62-213.415 Trading of Emissions within a Source

62-213.450 EPA and Affected States Review

62-296.600 (5) Record Keeping/Reporting

62-297.100 Monitoring Purpose/Scope

Air Operation Permit AO05-183384

Consent Order File No. 92-0546

Emissions Unit Information Section 3
Boiler 3

List of Applicable Regulations

62-210.700 Excess Emissions

62-212.300 General Preconstruction Review

62-212.400 PSD

62-213.415 Trading of Emissions within a Source

62-213.450 EPA and Affected States Review

62-296.600 (5) Record/Keeping/Reporting

62-297.100 Monitoring Purpose/Scope

62-297.310 General Test Requirements

62-297.401 Compliance Test Methods

62-297.440 Supplementary Test

62-297.620 Exceptions and Approval of Alternate Procedures

62-213.413 Fast Track Permitting for Acid Rain Sources

62-214 Requirements for Sources Subject to Acid Rain Program

62-296.405 Fossil Fuel Steam Generators > 250 MMBtu/hr heat input

Consent Order File No. 92-0546

Air Operation Permit AO05-183384

Emissions Unit Information Section 4
Combustion Turbine A

List of Applicable Regulations

62-210.700 Excess Emissions

62-212.300 General Preconstruction Review

62-212.400 PSD 130

62-213.415 Trading of Emissions within a Source

62- 213.450 EPA and Affected States Review

62-296.600 (5) Record Keeping/Reporting

62-297.100 Monitoring Purpose/Scope

62-297.310 General test Requirements

62-297.401 Compliance Test Methods

62-297.440 Supplementary Test

62-297.620 Exceptions and Approval of Alternate Procedures

Subpart GG Standards for Performance for Stationary Gas Turbines

Air Operation Permit AO05-176351 ✓

Air Construction Permit AC05-146749

144482

Emissions Unit Information Section 5
Combustion Turbine B

List of Applicable Regulations

Air Operation Permit AO05-176351 ✓
Air Construction Permit AC05-146749 ✓ PSD 130

62-210.700 Excess Emissions

62-212.300 General Preconstruction Review

62-212.400 PSD

62-213.415 Trading of Emissions within a Source

62- 213.450 EPA and Affected States Review

62-296.600 (5) Record Keeping/Reporting

62-297.100 Monitoring Purpose/Scope

62-297.310 General test Requirements

62-297.401 Compliance Test Methods

62-297.440 Supplementary Test

62-297.620 Exceptions and Approval of Alternate Procedures

Subpart GG Standards for Performance for Stationary Gas Turbines

Emissions Unit Information Section 6
Combustion Turbine C

List of Applicable Regulations

Consent Order OCG File No. 94-3376-C-05 ✓
Air Operation Permit AO05-229084 ✓
Air Construction Permit AC05-193720 ✓ PSD 173

62-210.700 Excess Emissions

62-212.300 General Preconstruction Review

62-212.400 PSD

62-213.415 Trading of Emissions within a Source

62-213.450 EPA and Affected States Review

62-296.600 (5) Record Keeping/Reporting

62-297.100 Monitoring Purpose/Scope

62-297.310 General Test Requirements

62-297.401 Compliance Test Methods

62-297.440 Supplementary Test

62-297.620 Exceptions and Approval of Alternate Procedures

Subpart GG Standards for Performance for Stationary Gas Turbines

62-214 Requirements for Sources Subject to Acid Rain Program

List of Applicable Regulations

Consent Order OCG File No. 94-3376-C-05

Air Operation Permit AO05-229084

Air Construction Permit AC05-193720 PSD 173

62-210.700 Excess Emissions

62-212.300 General Preconstruction Review

62-212.400 PSD

62-213.415 Trading of Emissions within a Source

62-213.450 EPA and Affected States Review

62-296.600 (5) Record Keeping/Reporting

62-297.100 Monitoring Purpose/Scope

62-297.310 General Test Requirements

62-297.401 Compliance Test Methods

62-297.440 Supplementary Test

62-297.620 Exceptions and Approval of Alternate Procedures

Subpart GG Standards for Performance for Stationary Gas Turbines

62-214 Requirements for Sources Subject to Acid Rain Program

List of Applicable Regulations

Air Operations Permit AO05-229996

Air Construction Permit AC05-214398

62-210.700 Excess Emissions

62-212.300 General Preconstruction Review

62-212.400 PSD

62-213.415 Trading of Emissions within a Source

62-213.450 EPA and Affected States Review

62-296.600 (5) Record Keeping/Reporting

62-297.100 Monitoring Purpose/Scope

62-297.310 General Test Requirements

62-297.401 Compliance Test Methods

62-297.440 Supplementary Test

62-297.620 Exceptions and Approval of Alternate Procedures

62-296.320 (2) No Objectionable Odors

62-296.414 Concrete Batching Plants

C. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 1

Boiler 1

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	B12	
2. Emission Point Type Code :	2 *	
3. Descriptions of Emission Points Comprising this Emissions Unit : Boilers 1 and 2 share a common stack.		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common : 001 and 002 share a common stack.		
5. Discharge Type Code :	V	
6. Stack Height :	300	feet
7. Exit Diameter :	14.0	feet
8. Exit Temperature :	325	°F *
9. Actual Volumetric Flow Rate :	795323	acfm
10. Percent Water Vapor :		%
11. Maximum Dry Standard Flow Rate :		dscfm
12. Nonstack Emission Point Height :		feet
13. Emission Point UTM Coordinates : Zone : 17 East (km) : 521.500 North (km) : 3151.700		
Good Engineering Practice Stack Height :	*	
14. Emission Point Comment : Boiler 1 and Boiler 2 share a common stack.		

C. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 2

Boiler 2

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	B12	
2. Emission Point Type Code :	2 *	
3. Descriptions of Emission Points Comprising this Emissions Unit : Boiler 1 and Boiler 2 exhaust into common stack.		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common : Boilers 1 and 2 share a common stack.		
5. Discharge Type Code :	V	
6. Stack Height :	300	feet
7. Exit Diameter :	14.0	feet
8. Exit Temperature :	325	°F *
9. Actual Volumetric Flow Rate :	795323	acfm
10. Percent Water Vapor :		%
11. Maximum Dry Standard Flow Rate :		dscfm
12. Nonstack Emission Point Height :		feet
13. Emission Point UTM Coordinates : Zone : 17 East (km) : 521.300 North (km) : 3151.700		
Good Engineering Practice Stack Height :	+	
14. Emission Point Comment :		

C. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 3

Boiler 3

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	B3	
2. Emission Point Type Code :	1 *	
3. Descriptions of Emission Points Comprising this Emissions Unit :		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :		
5. Discharge Type Code :	V	
6. Stack Height :	300	feet
7. Exit Diameter :	14.1	feet
8. Exit Temperature :	340	°F *
9. Actual Volumetric Flow Rate :	1004045	acfm
10. Percent Water Vapor :		%
11. Maximum Dry Standard Flow Rate :		dscfm
12. Nonstack Emission Point Height :		feet
13. Emission Point UTM Coordinates :		
Zone : 17 East (km) : 521.300 North (km) : 3151.700		
Good Engineering Practice Stack Height :	+	
14. Emission Point Comment :		

C. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 4

Combustion Turbine A

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	A & B	
2. Emission Point Type Code :	1 *	
3. Descriptions of Emission Points Comprising this Emissions Unit :		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :		
5. Discharge Type Code :	V	
6. Stack Height :	36	feet
7. Exit Diameter :	12.4	feet
8. Exit Temperature :	1035	°F *
9. Actual Volumetric Flow Rate :	786290	acfm
10. Percent Water Vapor :		%
11. Maximum Dry Standard Flow Rate :		dscfm
12. Nonstack Emission Point Height :		feet
13. Emission Point UTM Coordinates :		
Zone : 17 East (km) : 521.500	North (km) :	3151.600
Good Engineering Practice Stack Height :	+	
14. Emission Point Comment :		

C. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 5

Combustion Turbine B

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	A & B	
2. Emission Point Type Code :	1 *	
3. Descriptions of Emission Points Comprising this Emissions Unit :		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :		
5. Discharge Type Code :	V	
6. Stack Height :	36	feet
7. Exit Diameter :	12.4	feet
8. Exit Temperature :	1035	°F *
9. Actual Volumetric Flow Rate :	786290	acfm
10. Percent Water Vapor :		%
11. Maximum Dry Standard Flow Rate :		dscfm
12. Nonstack Emission Point Height :		feet
13. Emission Point UTM Coordinates :		
Zone : 17 East (km) : 521.500 North (km) : 3151.600		
Good Engineering Practice Stack Height : *		
14. Emission Point Comment :		

C. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 6

Combustion Turbine C

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	C & D	
2. Emission Point Type Code :	1 *	
3. Descriptions of Emission Points Comprising this Emissions Unit :		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :		
5. Discharge Type Code :	V	
6. Stack Height :	51	feet
7. Exit Diameter :	11.2	feet
8. Exit Temperature :	1005	°F *
9. Actual Volumetric Flow Rate :	1970269	acfm
10. Percent Water Vapor :		%
11. Maximum Dry Standard Flow Rate :		dscfm
12. Nonstack Emission Point Height :		feet
13. Emission Point UTM Coordinates :		
Zone : 17 East (km) : 521.500	North (km) : 3151.600	
Good Engineering Practice Stack Height :	+	
14. Emission Point Comment :		

C. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 7

Combustion Turbine D

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	C & D	
2. Emission Point Type Code :	1 *	
3. Descriptions of Emission Points Comprising this Emissions Unit :		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :		
5. Discharge Type Code :	V	
6. Stack Height :	51	feet
7. Exit Diameter :	11.2	feet
8. Exit Temperature :	1005	°F *
9. Actual Volumetric Flow Rate :	1970269	acfm
10. Percent Water Vapor :		%
11. Maximum Dry Standard Flow Rate :		dscfm
12. Nonstack Emission Point Height :		feet
13. Emission Point UTM Coordinates :		
Zone : 17 East (km) : 521.500	North (km) : 3151.600	
Good Engineering Practice Stack Height :	+	
14. Emission Point Comment :		

C. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 8

Lime Storage Silo

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	LS	
2. Emission Point Type Code :	1 *	
3. Descriptions of Emission Points Comprising this Emissions Unit :		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :		
5. Discharge Type Code :	H	
6. Stack Height :	40	feet
7. Exit Diameter :	4.5	feet
8. Exit Temperature :		°F *
9. Actual Volumetric Flow Rate :	10	acfm
10. Percent Water Vapor :		%
11. Maximum Dry Standard Flow Rate :		dscfm
12. Nonstack Emission Point Height :		feet
13. Emission Point UTM Coordinates :		
Zone : 17 East (km) : 521.500 North (km) : 3151.600		
Good Engineering Practice Stack Height : *		
14. Emission Point Comment :		

C. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 9

Non-regulated Emissions - Exempt and Insignifcant

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	
2. Emission Point Type Code : *	
3. Descriptions of Emission Points Comprising this Emissions Unit :	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :	
5. Discharge Type Code :	
6. Stack Height :	feet
7. Exit Diameter :	feet
8. Exit Temperature :	°F *
9. Actual Volumetric Flow Rate :	acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate :	dscfm
12. Nonstack Emission Point Height :	feet
13. Emission Point UTM Coordinates : Zone : East (km) : North (km) :	
Good Engineering Practice Stack Height : +	
14. Emission Point Comment :	

C. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 10

Non-regulated Emissions - Significant

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	
2. Emission Point Type Code :	4 *
3. Descriptions of Emission Points Comprising this Emissions Unit :	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :	
5. Discharge Type Code :	
6. Stack Height :	feet
7. Exit Diameter :	feet
8. Exit Temperature :	°F *
9. Actual Volumetric Flow Rate :	acfm
10. Percent Water Vapor :	%
11. Maximum Dry Standard Flow Rate :	dscfm
12. Nonstack Emission Point Height :	feet
13. Emission Point UTM Coordinates : Zone : East (km) : North (km) :	
Good Engineering Practice Stack Height :	+
14. Emission Point Comment :	

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Boiler 1

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Natural Gas	
2. Source Classification Code (SCC) : 1-01-006-04 *	
3. SCC Units : Million Cubic Feet Burned (all gaseous fuels)	
4. Maximum Hourly Rate : 0.88	5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : Percent Sulfur Limit : +	8. Maximum Percent Ash :
9. Million Btu per SCC Unit : 1,038	
10. Segment Comment :	

Segment info

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Boiler 1

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : No. 6 Fuel Oil	
2. Source Classification Code (SCC) : 1-01-004-04 *	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 5.62	5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 2.75 Percent Sulfur Limit : +	8. Maximum Percent Ash : 0.10
9. Million Btu per SCC Unit : 151	
10. Segment Comment :	

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Boiler 1

Segment Description and Rate : Segment 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : On specification used oil	
2. Source Classification Code (SCC) : *	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate :	5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : Percent Sulfur Limit : +	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :	
10. Segment Comment : Up to 1% of total heat input.	

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Boiler 2

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Natural gas.	
2. Source Classification Code (SCC) : 1-01-006-04 *	
3. SCC Units : Million Cubic Feet Burned (all gaseous fuels)	
4. Maximum Hourly Rate : 2.29	5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : Percent Sulfur Limit : +	8. Maximum Percent Ash :
9. Million Btu per SCC Unit : 1,038	
10. Segment Comment :	

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Boiler 2

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

No. 6 Fuel Oil.

2. Source Classification Code (SCC) : 1-01-004-04 *

3. SCC Units : Thousand Gallons Burned (all liquid fuels)

4. Maximum Hourly Rate : 13.63	5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.99 Percent Sulfur Limit : +	8. Maximum Percent Ash : 0.07
9. Million Btu per SCC Unit : 152	

10. Segment Comment :

why different?

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Boiler 2

Segment Description and Rate : Segment 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

On specification used oil.

2. Source Classification Code (SCC) : *

3. SCC Units : Thousand Gallons Burned (all liquid fuels)

4. Maximum Hourly Rate :	5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : Percent Sulfur Limit : +	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :	

10. Segment Comment :

Up to 1% of total heat input.

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 3

Boiler 3

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

   Natural Gas.

2. Source Classification Code (SCC) : 1-01-006-04 *

3. SCC Units : Million Cubic Feet Burned (all gaseous fuels)

4. Maximum Hourly Rate : 3.27

5. Maximum Annual Rate :

6. Estimated Annual Activity Factor :

7. Maximum Percent Sulfur : 0.00
   Percent Sulfur Limit : +

8. Maximum Percent Ash : 0.00

9. Million Btu per SCC Unit : 1,038

10. Segment Comment :

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 3

Boiler 3

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

   No. 6 Fuel Oil.

2. Source Classification Code (SCC) : 1-01-004-04 *

3. SCC Units : Thousand Gallons Burned (all liquid fuels)

4. Maximum Hourly Rate : 20.60

5. Maximum Annual Rate :

6. Estimated Annual Activity Factor :

7. Maximum Percent Sulfur : 1.13
   Percent Sulfur Limit : +

8. Maximum Percent Ash : 0.07

9. Million Btu per SCC Unit : 152

10. Segment Comment :

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 4

Combustion Turbine A

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

   Internl combustion Industrial. Dist. Oil/Diesel. Turbine.

2. Source Classification Code (SCC) : 2-02-001-01 *

3. SCC Units : Thousand Gallons Burned (all liquid fuels)

4. Maximum Hourly Rate : 3.30

5. Maximum Annual Rate :

6. Estimated Annual Activity Factor :

7. Maximum Percent Sulfur :
   Percent Sulfur Limit : +

8. Maximum Percent Ash :

9. Million Btu per SCC Unit :

10. Segment Comment :

    Max. annual rate is the total rate for both combustions (6.59 and 9.83 is the annual rate for CT-A and CT-B respectively).
    288 million Btu per SCC unit is the value for both turban A and B (144 million Btu per SCC unit is the value for each of the turbine).

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 4

Combustion Turbine A

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

   Natural gas.

2. Source Classification Code (SCC) : 2-01-002-01 *

3. SCC Units : Million Cubic Feet Burned (all gaseous fuels)

4. Maximum Hourly Rate : 0.45

5. Maximum Annual Rate :

6. Estimated Annual Activity Factor :

7. Maximum Percent Sulfur :
   Percent Sulfur Limit : +

8. Maximum Percent Ash :

9. Million Btu per SCC Unit : 2,076

10. Segment Comment :

    Max. annual rate is the total rate for both combustions (42.33 and 32.45 are the annual rates for CT-A and CT-B respectively).
    2076 million Btu per SCC unit is the value for both turban A and B (1038 million Btu per SCC unit is the value for each of the turban).

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 3

Boiler 3

Segment Description and Rate : Segment 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : On specification used oil.	
2. Source Classification Code (SCC) : *	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate :	5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : Percent Sulfur Limit : +	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :	
10. Segment Comment : Up to 1% of total heat input.	

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Boiler 1

Segment Description and Rate : Segment 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Landfill waste gas.	
2. Source Classification Code (SCC) : *	
3. SCC Units : Million Cubic Feet Burned (all gaseous fuels)	
4. Maximum Hourly Rate :	5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : Percent Sulfur Limit : +	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :	
10. Segment Comment :	

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Boiler 1

Segment Description and Rate : Segment 5

1. *Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :*

   No. 2 Fuel Oil for ignitors.

2. Source Classification Code (SCC) : 2--0-2-0-01 *

3. SCC Units : Thousand Gallons Burned (all liquid fuels)

4. Maximum Hourly Rate : 5.62

5. Maximum Annual Rate :

6. Estimated Annual Activity Factor :

7. Maximum Percent Sulfur : 0.30
   Percent Sulfur Limit : +

8. Maximum Percent Ash :

9. Million Btu per SCC Unit : 127

10. Segment Comment :

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 5

Combustion Turbine B

Segment Description and Rate : Segment 1

1. *Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :*

   Interml combustion Industrial. Dist. Oil/Diesel. Turbine.

2. Source Classification Code (SCC) : 2-02-001-01 *

3. SCC Units : Thousand Gallons Burned (all liquid fuels)

4. Maximum Hourly Rate : 3.30

5. Maximum Annual Rate :

6. Estimated Annual Activity Factor :

7. Maximum Percent Sulfur :
   Percent Sulfur Limit : +

8. Maximum Percent Ash :

9. Million Btu per SCC Unit :

10. Segment Comment :

    Max. annual rate is the total rate for both combustions (6.59 and 9.83 is the annual rate for CT-A and CT-B respectively).
    288 million Btu per SCC unit is the value for both turban A and B (144 million Btu per SCC unit is the value for each of the turban).

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 5

Combustion Turbine B

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

   Natural gas.

2. Source Classification Code (SCC) : 2-01-002-01 *

3. SCC Units : Million Cubic Feet Burned (all gaseous fuels)

4. Maximum Hourly Rate : 0.45

5. Maximum Annual Rate :

6. Estimated Annual Activity Factor :

7. Maximum Percent Sulfur :
   Percent Sulfur Limit : +

8. Maximum Percent Ash :

9. Million Btu per SCC Unit : 2,076

10. Segment Comment :

    Max. annual rate is the total rate for both combustions (42.33 and 32.45 are the annual rates for CT-A and CT-B respectively).
    2076 million Btu per SCC unit is the value for both turban A and B (1038 million Btu per SCC unit is the value for each of the turban).

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 6

Combustion Turbine C

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

   Dist. Oil /diesel, turbine.

2. Source Classification Code (SCC) : 2-02-001-01 *

3. SCC Units : Thousand Gallons Burned (all liquid fuels)

4. Maximum Hourly Rate : 10.28

5. Maximum Annual Rate :

6. Estimated Annual Activity Factor :

7. Maximum Percent Sulfur :
   Percent Sulfur Limit : +

8. Maximum Percent Ash :

9. Million Btu per SCC Unit : 288

10. Segment Comment :

    288 million Btu per SCC unit is the value for both combustions (CT-C and CT-D, 144 million Btu per SCC unit is the value for each unit)

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 6

Combustion Turbine C

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :
   Natural Gas.
2. Source Classification Code (SCC) : 2-01-002-01 *
3. SCC Units : Million Cubic Feet Burned (all gaseous fuels)
4. Maximum Hourly Rate : 1.38
5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :
7. Maximum Percent Sulfur :
   Percent Sulfur Limit : +
8. Maximum Percent Ash :
9. Million Btu per SCC Unit : 2,076
10. Segment Comment :
    2076 million Btu per SCC unit is the value for both combustions (CT-C and CT-D, 1038 million Btu per SCC unit is the value for each unit)

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 7

Combustion Turbine D

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :
   Dist. Oil /diesel, turbine.
2. Source Classification Code (SCC) : 2-02-001-01 *
3. SCC Units : Thousand Gallons Burned (all liquid fuels)
4. Maximum Hourly Rate : 10.28
5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :
7. Maximum Percent Sulfur :
   Percent Sulfur Limit : +
8. Maximum Percent Ash :
9. Million Btu per SCC Unit : 288
10. Segment Comment :
    288 million Btu per SCC unit is the value for both combustions (CT-C and CT-D, 144 million Btu per SCC unit is the value for each unit)

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 7

Combustion Turbine D

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

   Natural Gas.

2. Source Classification Code (SCC) : 2-01-002-01 *

3. SCC Units : Million Cubic Feet Burned (all gaseous fuels)

4. Maximum Hourly Rate : 1.38

5. Maximum Annual Rate :

6. Estimated Annual Activity Factor :

7. Maximum Percent Sulfur :
   Percent Sulfur Limit : +

8. Maximum Percent Ash :

9. Million Btu per SCC Unit : 2,076

10. Segment Comment :

    2076 million Btu per SCC unit is the value for both combustions (CT-C and CT-D, 1038 million Btu per SCC unit is the value for each unit)

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 8

Lime Storage Silo

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

   Mineral Products, Lime Silos

2. Source Classification Code (SCC) : 3-05-016-13 *

3. SCC Units : Tons Lime Unloaded

4. Maximum Hourly Rate : 15.00

5. Maximum Annual Rate :

6. Estimated Annual Activity Factor :

7. Maximum Percent Sulfur :
   Percent Sulfur Limit : +

8. Maximum Percent Ash :

9. Million Btu per SCC Unit :

10. Segment Comment :

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Boiler 2

Segment Description and Rate : Segment 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Landfill waste gas	
2. Source Classification Code (SCC) : *	
3. SCC Units : Million Cubic Feet Burned (all gaseous fuels)	
4. Maximum Hourly Rate :	5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : Percent Sulfur Limit : +	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :	
10. Segment Comment :	

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Boiler 2

Segment Description and Rate : Segment 5

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : No. 2 Oil for ignitors.	
2. Source Classification Code (SCC) : 2--0-2-0-01 *	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 13.63	5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : Percent Sulfur Limit : +	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :	
10. Segment Comment :	

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 3

Boiler 3

Segment Description and Rate : Segment 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Landfill waste gas.	
2. Source Classification Code (SCC) : *	
3. SCC Units : Million Cubic Feet Burned (all gaseous fuels)	
4. Maximum Hourly Rate :	5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : Percent Sulfur Limit : +	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :	
10. Segment Comment :	

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 1
Boiler 1

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - VOC *	*		
2 - PM *	*		
3 - PM10 *	*		
4 - SO2 *	*		
5 - NOX *	*		
6 - CO *	*		
7 - H095 *	*		
8 - H015 *	*		
9 - H021 *	*		
10 - H027 *	*		
11 - H046 *	*		
12 - H047 *	*		
13 - H110 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 1
Boiler 1

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
14 - H113 *	*		
15 - H133 *	*		
16 - H162 *	*		
17 - T035 *	*		
18 - H114 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 2
Boiler 2

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - PM *	*		
2 - PM10 *	*		
3 - SO2 *	*		
4 - NOX *	*		
5 - CO *	*		
6 - VOC *	*		
7 - H095 *	*		
8 - H015 *	*		
9 - H021 *	*		
10 - H027 *	*		
11 - H046 *	*		
12 - H047 *	*		
13 - H110 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 2
Boiler 2

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
14 - H113 *	*		
15 - H114 *	*		
16 - H133 *	*		
17 - H162 *	*		
18 - T035 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 3
Boiler 3

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - PM *	*		
2 - PM10 *	*		
3 - SO2 *	*		
4 - NOX *	*		
5 - CO *	*		
6 - VOC *	*		
7 - H095 *	*		
8 - H015 *	*		
9 - H021 *	*		
10 - H027 *	*		
11 - H046 *	*		
12 - H047 *	*		
13 - H110 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 3
Boiler 3

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
14 - H113 *	*		
15 - H114 *	*		
16 - H133 *	*		
17 - H162 *	*		
18 - T035 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 4
Combustion Turbine A

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - NOX *	028 *		
2 - SO2 *	*		
3 - CO *	*		
4 - PM *	*		
5 - PM10 *	*		
6 - VOC *	*		
7 - SAM *	*		
8 - H021 *	*		
9 - H095 *	*		
10 - H015 *	*		
11 - H027 *	*		
12 - H046 *	*		
13 - H047 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 4
Combustion Turbine A

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
14 - H110 *	*		
15 - H113 *	*		
16 - H114 *	*		
17 - H133 *	*		
18 - H148 *	*		
19 - H162 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 5
Combustion Turbine B

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
12 - H046 *	*		
13 - H047 *	*		
14 - H110 *	*		
15 - H113 *	*		
16 - H114 *	*		
17 - H133 *	*		
18 - H148 *	*		
19 - H162 *	*		
1 - NOX *	028 *		
2 - SO2 *	*		
3 - CO *	*		
4 - PM *	*		
5 - PM10 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 5
Combustion Turbine B

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
6 - VOC *	*		
7 - SAM *	*		
8 - H021 *	*		
9 - H095 *	*		
10 - H015 *	*		
11 - H027 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 6
Combustion Turbine C

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - NOX *	028 *		
2 - SO2 *	*		
3 - PM *	*		
4 - PM10 *	*		
5 - CO *	*		
6 - VOC *	*		
7 - SAM *	*		
8 - H021 *	*		
9 - H014 *	*		
10 - H110 *	*		
11 - H095 *	*		
12 - H015 *	*		
13 - H027 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 6
Combustion Turbine C

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
14 - H046 *	*		
15 - H047 *	*		
16 - H113 *	*		
17 - H133 *	*		
18 - H148 *	*		
19 - H162 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 7
Combustion Turbine D

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - NOX *	028 *		
2 - SO2 *	*		
3 - PM *	*		
4 - PM10 *	*		
5 - CO *	*		
6 - VOC *	*		
7 - SAM *	*		
8 - H021 *	*		
9 - H014 *	*		
10 - H110 *	*		
11 - H095 *	*		
12 - H015 *	*		
13 - H027 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 7
Combustion Turbine D

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
14 - H046 *	*		
15 - H047 *	*		
16 - H113 *	*		
17 - H133 *	*		
18 - H148 *	*		
19 - H162 *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 8
Lime Storage Silo

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
2 - PM10 *	018 *		
1 - PM *	018 *		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 9
Non-regulated Emissions - Exempt and Insignificant

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - VOC *	*		

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 10
Non-regulated Emissions - Significant

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - PM *	*		
2 - PM10 *	*		

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 1

1. Pollutant Emitted : **VOC** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
4.43 lb/hour 18.60 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/1000 gal +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Max Hourly:
VOC = (0.76 lb/1000gal) (Oil hour)
= 4.427 lb/hr
Potential Annual
(VOC)(8400hr/yr) = 18.595 tpy

9. Pollutant Potential/Estimated Emissions Comment :

Max Hourly:
VOC = (0.76 lb/1000gal) (Oil hour)
= 4.427 lb/hr
Potential Annual
(VOC)(8400hr/yr) = 18.595 tpy

Pollutant Detail

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler I

Pollutant Detail Information : Pollutant 2

1. Pollutant Emitted : **PM** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
249.70 lb/hour 349.50 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit Restriction
Unit Code : lb/MMBtu +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

PM Emissions (from permit)
Max Hourly
PM = (0.3 lb/MMBtu)(832.2 MMBtu/hr)
= (249.7 lb/hr
Potential Annual
PM = (0.1 lb/ MMBtu)(832.2 MMBtu/hr)(8400 hr/yr)
= 349.5 tpy

9. Pollutant Potential/Estimated Emissions Comment :

Permit Restrictions:
PM Steady State: 0.1 lb/MMBtu
PM Soot Blowing: 0.3 lb/MMBtu for < 3 hrs

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 3

1. Pollutant Emitted : **PM10** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
177.30 lb/hour 248.20 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : % +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

AP42, 5th ed., indicates while burning residual oil, PM10 makes up about 71% of uncontrolled PM emission.
Max Hourly:
PM10 = (0.71)(0.3 lb/MMBtu)(832.2 MMBtu/hr)
= 177.3 lb/hr
Potential Annual
PM10 = (0.71)(0.1 lb/MMBtu)(832.2MMBtu/hr)(8400hr/yr)
= 248.2 tpy

9. Pollutant Potential/Estimated Emissions Comment :

AP42, 5th ed., indicates while burning residual oil, PM10 makes up about 71 % of uncontrolled PM emissions.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 4

1. Pollutant Emitted : SO2 *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 2,288.50 lb/hour 9,611.90 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : Permit
   Unit Code : lb/MMBtu +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   SO2 Emission (from Permit)
   Max Hourly
   SO2 = (2.75 lb/MMBtu)(832.2 MMBtu/hr)
   = 2288.5 lb/hr
   Potential Annual
   SO2 = (2.75 lb/MMBtu)(832.2 MMBtu/hr)(8400hr/yr)
   = 9611.9 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   Permit Restrictions:
   SO2: 2.75 lb/MMBtu

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 5

1. Pollutant Emitted : NOX *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 390.30 lb/hour 1,639.27 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/1000 gal +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   AP42, 5th ed.
   Max Hourly
   Oil Hour = (832.2 MMBtu/hr) (1/OilBtu)
   Oil Hour = 5825.4 gal/hr
   NOx = (67 lb/1000 gal)(OilHour)
   = 390.302 lb/hr
   Potential Annual
   (8400 hr/yr)(NOx) = 1639.267 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   The oil emissions (NOx in lb/hr) were used since it has higher potential emission than gas.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 6

1. Pollutant Emitted : **CO** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
34.62 lb/hour 145.40 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/1000 gal +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Max Hourly
Co = (40 lb/1000 gal)(Oil Hour)
= 29.127 lb/hr
Potential Annual
(8400 hr/yr)(CO) = 145.404 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 7

1. Pollutant Emitted : **H095** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.34 lb/hour 1.42 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

HCOH = (405 lb/10^12 Btu)(832.2 MMBtu/hr)
= 0.337 lb/hr
Potential Annual
(HCOH)(8400 hr/yr) = 1.416 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 8

1. Pollutant Emitted : **H015** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.10 lb/hour 0.40 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements (AP42, 5th ed.), using high end of range
Sb = (46 lb/10^12 Btu)(832.2 MMBtu/hr)
= 0.038 lb/hr
Annual Potential
(Sb)(8400 hr/yr) = 0.161 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 9

1. Pollutant Emitted : **H021** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.00 lb/hour 0.02 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Be = (4.2 lb/10^12 Btu)(832.2 MMBtu/hr)
= 0.003 /b/hr
Annual Potential
(Be)(8400 hr/yr) = 0.015 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 10

1. Pollutant Emitted : **H027** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   0.18 lb/hour 0.74 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/10^12 Btu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Cd = (211 lb/10^12 Btu)(832.2 MMBtu/hr)
   = 0.176 lb/hr
   Annual Potential
   (Cd)(8400 hr/yr) = 0.737 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 11

1. Pollutant Emitted : **H046** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   0.11 lb/hour 0.45 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/10^12 Btu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Cr = (128 lb/10^12 Btu)(832.2 MMBtu/hr)
   = 0.107 lb/hr
   Annual Potential
   (Cr)(8400hr/yr) = 0.447 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 12

1. Pollutant Emitted : **H047** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   0.10 lb/hour 0.42 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/10^12 Btu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Co = (121 lb/10^12 Btu)(832.2 MMBtu/hr)
   = 0.101 lb/hr
   Annual Potential
   (Co)(8400 hr/yr) = 0.423

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

LEAD

Pollutant Detail Information : Pollutant 13

1. Pollutant Emitted : **H110** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   0.21 lb/hour 0.87 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/10^12 Btu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Pb = (194 lb/10^12 Btu)(832.2 MMBtu/hr)
   = 0.161 lb/hr
   Contribution of metals from used oil = 0.047 lb/hr
   Assuming metals could be primarily Pb or Ni:
   Pb = Pb + Metals = 0.208 lb/hr
   Annual Potential
   (Pb)(8400 hr/yr) = 0.678 tpy + Metals = 8.34 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 14

1. Pollutant Emitted : **H113** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.06 lb/hour 0.26 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Mn = (74 lb/10^12 Btu)(832.2 MMBtu/hr)
= 0.062 lb/hr
Annual Potential
(Mn)(8400hr/yr) = 0.259 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 15

1. Pollutant Emitted : **H133** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
1.99 lb/hour 8.34 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Ni = (2330 lb/10^12 Btu)(832.2 MMBtu/hr)
= 1.939 lb/hr + Metals = 1.986 lb/hr
Annual Potential
(Ni)(8400 hr/yr) = 8144 tpy + Metals = 8.34 tpy
Assume the amout of metal from used oil to be primarily Pb or Ni.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 16

1. Pollutant Emitted : **H162** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.03 lb/hour 0.13 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Se = (38 lb/10^12 Btu)(832.2 MMBtu/hr)
= 0.032 lb/hr
Annual Potential
(Se)(8400 hr/yr) = 0.133 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 17

1. Pollutant Emitted : **T035** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
30.80 lb/hour 129.20 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : See Below
Unit Code : ppm +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Assume Maximum Cl in used oil = 1000 ppm
HCl = (66.1 %)(1000 ppm)(8 lb/gal)(OilHour)
= 30.758 lb/hr
Annual Potential
(HCL)(8400 hr/yr) = 129.184 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Boiler 1

Pollutant Detail Information : Pollutant 18

1. Pollutant Emitted : **H114** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   0.27 lb/hour 0.11 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/10^12 Btu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Max Hourly
   Hg = (32 lb/10^12 Btu)(832.2 MMBtu/hr)
   = 0.027 lb/hr
   Annual Potential
   (Hg)(8400 hr/yr) =0.111 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 1

1. Pollutant Emitted : **PM** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   604.90 lb/hour 846.90 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : Permit
   Unit Code : lb/MMBtu +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Max Hourly
   PM = (0.3 lb/MMBtu)(2016.5 MMBtu/hr)
   = 604.9 lb/hr
   Potential Annual
   PM = (0.1 lb/MMBtu)(2016.5 MMBtu/hr)(8400 hr/yr)
   = 846.9 TPy

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 2

1. Pollutant Emitted : **PM10** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
429.50 lb/hour 601.30 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit
Unit Code : lb/MMBtu +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

AP42, 5th ed., indicates while burning residual oil, PM10 makes up about 71% of uncontrolled PM emissions.
Max Hourly
PM10 = (0.71)(0.3 lb/MMBtu)(2016.5 MMBtu/hr)
= 429.5 lb/hr
Potential Annual
PM10 = (0.71)(0.1 lb/MMBtu)(2016.5 MMBtu/hr)(8400 hr/yr)
= 601.3 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 3

1. Pollutant Emitted : **SO2** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
5,545.40 lb/hour 23,290.60 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit
Unit Code : lb/MMBtu +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Max Hourly
SO2 = (2.75 lb/MMBtu)(2016.5 MMBtu/hr)
= 5545.4 lb/hr
Potential Annual
SO2 = (2.75 lb/MMBtu)(2016.5 MMBtu/hr)(8400 hr/yr)
= 23290.6 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 4

1. Pollutant Emitted : **NOX** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
945.74 lb/hour 3,972.10 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/1000 gal oil +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Max Hourly
OilHour = (2016.5 MMBtu/hr)(1/OilBtu)
= 14115.5 gal/hr
NOx = (67)(lb/1000 gal)(Oil Hour)
= 945.738 lb/hr
Potential Annual
NOx = (8400 hr/yr)(NOx) = 3972.101 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 5

1. Pollutant Emitted : **CO** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
89.95 lb/hour 377.78 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/MMScf +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Max Hourly
CO = (40 lb/MMscf)(GasHour)
= 89.948 lb/hr
Potential Annual
CO = (8400 hr/yr)(CO) = 377.783 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 6

1. Pollutant Emitted : **VOC** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
10.73 lb/hour 45.06 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Non-Methane TOC Emissions (AP-42, 5th ed.)
Max Hourly
TOC = (0.76)(lb/1000 gal)(OilHour)
= 10.728 lb/hr
Potential Annual
(TOC)(8400 hr/yr) = 45.057 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 7

1. Pollutant Emitted : **H095** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.82 lb/hour 3.43 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Max Hourly
HCOH = (405 lb/10^12 Btu)(2016.5 MMBtu/hr)
= 0.817 lb/hr
Potential Annual
HCOH = (HCOH)(8400 hr/yr)
= 3.43 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 8

1. Pollutant Emitted : **H015** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.23 lb/hour 0.97 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

As = (114 lb/10^12 Btu)(2016.5 MMBtu/hr)
= (0.23 lb/hr
Annual Potential
(As)(8400 hr/yr) = 0.965 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 9

1. Pollutant Emitted : **H021** *

2. Total Pereent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.01 lb/hour 0.04 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Be = (4.2 lb/10^12 Btu)(2016.5 MMBtu/hr)
= 0.008 lb/hr
Annual Potential
(Be)(8400 hr/yr) = 0.036 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 10

1. Pollutant Emitted : **H027** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   0.43 lb/hour 1.79 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/10^12 MMBtu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Max Hourly
   Cd = (211 lb/10^12 Btu)(2016.5 MMBtu/hr)
   = 0.425 lb/hr
   Annual Potential
   (Cd)(8400 hr/yr) =1.787 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 11

1. Pollutant Emitted : **H046** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   0.26 lb/hour 1.08 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/10^12 Btu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Max Hourly
   Cr = (128 lb/10^12 Btu)(2016.5 MMBtu/hr)
   = 0.258 lb/hr
   Annual Potential
   (Cr)(8400 hr/yr) =1.084 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 12

1. Pollutant Emitted : **H047** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.24 lb/hour 1.02 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Max Hourly
Co = (121 lb/10^12 Btu)(2016.5 MMBtu/hr)
= 0.244 lb/hr
Annual Potential
(Co)(8400 hr/yr) =1.025 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 13

1. Pollutant Emitted : **H110** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.05 lb/hour 2.12 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Max Hourly
Pb = (194 lb/10^12 Btu)(2016.5 MMBtu/hr)
= 0.425 lb/hr
Pb + Metals = 0.0504 lb/hr
Annual Potential
(Cd)(8400 hr/yr) =1.643 tpy
Pb + Metals = 2.117 tpy

9. Pollutant Potential/Estimated Emissions Comment :

Assume that the metals from used oil, could be primarily either Pb or Ni.
0.113 lb/hr and 0.474 tpy of metals will be added to both the Pb and Ni values.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 14

1. Pollutant Emitted : **H113** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   0.15 lb/hour 0.63 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/10^12 Btu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Max Hourly
   Mn = (74 lb/10^12 Btu)(2016.5 MMBtu/hr)
   = 0.149 lb/hr
   Annual Potential
   (Mn)(8400 hr/yr) =0.627 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 15

1. Pollutant Emitted : **H114** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   0.07 lb/hour 0.27 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/10^12 Btu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Max Hourly
   Hg = (32 lb/10^12 Btu)(2016.5 MMBtu/hr)
   = 0.065 lb/hr
   Annual Potential
   (Hg)(8400 hr/yr) =0.271 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 16

1. Pollutant Emitted : **H133** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
4.81 lb/hour 20.21 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Max Hourly
Ni = (2330 lb/10^12 Btu)(2016.5 MMBtu/hr)
= 4.6698 lb/hr
Ni + Metals = 4.811 lb/hr
Annual Potential
(Ni)(8400 hr/yr) =19.733 tpy
Ni + Metals = 20.208 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 17

1. Pollutant Emitted : **H162** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.08 lb/hour 0.32 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Max Hourly
Se = (38 lb/10^12 Btu)(2016.5 MMBtu/hr)
= 0.077 lb/hr
Annual Potential
(Se)(8400 hr/yr) =0.322 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Boiler 2

Pollutant Detail Information : Pollutant 18

1. Pollutant Emitted : T035 *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
74.53 lb/hour 313.02 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : See below.
Unit Code : ppm +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Assume maximum Cl is in used oil = 1000 ppm
Max Hourly
HCl = (66.1 %)(1000 ppm)(8 lb/gal)(OilHour)
= 74.53 lb/hr
Annual Potential
(HCl)(8400 hr/yr) = 313.205 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 1

1. Pollutant Emitted : PM *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
914.60 lb/hour 1,300.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/MMBtu +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

PM Emission From Permit
Max Hourly
PM = (0.3 lb/MMBtu)(3048.8 MMBtu/hr)
= 914.6 lb/hr
Potential Annual
PM = (0.1 lb/MMBtu)(3048.8 MMBtu/hr)(8400 hr/yr)
= 1300 tpy

9. Pollutant Potential/Estimated Emissions Comment :

Permit Restriction
PM for Steady State 0.1 lb/MMBtu
PM for Soot-blowing 0.3 lb/MMBtu Max. 3 hrs.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 2

1. Pollutant Emitted : **PM10** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
649.40 lb/hour 909.20 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/MMBtu +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Ap42, 5th ed., indicates while burining residual oil, PM10 makes up about 71 % of uncontrolled PM emissions
Max Hourly
PM10 = (0.71)(0.3 lb/MMBtu)(3048.8 MMBtu/hr)
= 649.4 lb/hr
Potential Annual
PM10 = (0.71)(0.1 lb/MMBtu)(3048.8 MMBtu/hr)(8400 hr/yr)(PM10)
= 909 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 3

1. Pollutant Emitted : **SO2** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
8,384.20 lb/hour 35,213.60 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/MMBtu +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

SO2 Emissions from permit
Max Hourly
SO2 = (2.75 lb/MMBtu)(3048.8 MMBtu/hr)
= 8384.2 lb/hr
Potential Annual
SO2 = (2.75 lb/MMBtu)(3048.8 MMBtu/hr)(8400 hr/yr)
= 53213.6 tpy

9. Pollutant Potential/Estimated Emissions Comment :

Permit Restriction
Sulfur Dioxide 2.75 lb/MMBtu; Test Method, Fuel Analysis.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 4

1. Pollutant Emitted : **NOX** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
1,429.89 lb/hour 6,005.53 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/1000 gal +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

NOX Emissions from AP42, 5th ed.
Max Hourly
OilHour = (3048.8 MMBtu/hr)(1/OilBtu)
= 21341.6 gal/hr
NOx = (67 lb/1000 gal)(OilHour)
= 1429.887 lb/hr
Potential Annual
(8400 hr/yr)(NOx) = 6005.525 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 5

1. Pollutant Emitted : **CO** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
128.34 lb/hour 539.03 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/1000 gal +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

CO emissions from AP42, 5th ed.
Max Hourly
CO = (40 lb/1000 gal)(GasHour)
= 128.34 lb/hr
Potential Annual
(8400 hr/yr)(CO) = 539.028 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 6

1. Pollutant Emitted : **VOC** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 4.53 lb/hour 16.22 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/1000 gal +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Non-Methane TOC emissions from Ap42, 5th ed.
   TOC = ((0.76 lb/1000 gal)(OilHour)
   = 16.22 lb/hr
   Potential Annual
   (TOC)(8400 hr/yr) = 68.122 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 7

1. Pollutant Emitted : **H095** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 1.24 lb/hour 5.19 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/10^12 Btu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Formaldehyde emissions from AP42, 5th ed., range 161 to 405 lb/10E12 Btu
   Max Hourly
   HCOH = (405 lb/10^12 Btu)(3048.8 MMBtu/hr)
   = 1.235 lb/hr
   Potential Annual
   (HCOH)(8400 hr/yr) = 5.186 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 8

1. Pollutant Emitted : **H015** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 0.35 lb/hour 1.46 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor : Reference : AP42, 5th ed. Unit Code : lb/10^12 Btu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions : Trace Elements (AP42, 5th ed.), using high end of range Max Hourly As = (114 lb/10^12 Btu)(3048.8 MMBtu/hr) = 0.348 lb/hr Annual Potential (As)(8400 hr/yr) = 1.46 tpy
9. Pollutant Potential/Estimated Emissions Comment : None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 9

1. Pollutant Emitted : **H021** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 0.35 lb/hour 1.46 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor : Reference : AP42, 5th ed. Unit Code : lb/10^12 Btu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions : Trace Elements (AP42, 5th ed.), using high end of range Max Hourly Be = (4.2 lb/10^12 Btu)(3048.8 MMBtu/hr) = 0.013 lb/hr Annual Potential (Be)(8400 hr/yr) = 0.054 tpy
9. Pollutant Potential/Estimated Emissions Comment : None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 10

1. Pollutant Emitted : **H027** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 0.64 lb/hour 2.70 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor : Reference : AP42, 5th ed. Unit Code : lb/10^12 Btu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions : Trace Elements (AP42, 5th ed.), using high end of range Max Hourly Cd = (211 lb/10^12 Btu)(3048.8 MMBtu/hr) = 0.643 lb/hr Annual Potential (Cd)(8400 hr/yr) = 2.702 tpy
9. Pollutant Potential/Estimated Emissions Comment : None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 11

1. Pollutant Emitted : **H046** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 0.39 lb/hour 1.64 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor : Reference : AP42, 5th ed. Unit Code : lb/10^12 Btu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions : Trace Elements (AP42, 5th ed.), using high end of range Max Hourly Cr = (128 lb/10^12 Btu)(3048.8 MMBtu/hr) = 0.39 lb/hr Annual Potential (Cr)(8400 hr/yr) = 1.639 tpy
9. Pollutant Potential/Estimated Emissions Comment : None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 12

1. Pollutant Emitted : **H047** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.37 lb/hour 1.55 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements (AP42, 5th ed.), using high end of range
Max Hourly
Co = (121 lb/10^12 Btu)(3048.8 MMBtu/hr)
= 0.369 lb/hr
Annual Potential
(Co)(8400 hr/yr) = 1.549 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 13

1. Pollutant Emitted : **H110** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.76 lb/hour 3.20 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements (AP42, 5th ed.), using high end of range
Max Hourly
Pb = (194 lb/10^12 Btu)(3048.8 MMBtu/hr)
= 0.591 lb/hr
Assume Metal from used oil could be primarily either Pb or Ni
Pb = Pb + Metals = 0.762 lb/hr
Annual Potential
(Pb)(8400 hr/yr) = 2.484 tpy
Pb + Metals = 3.201 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 14

1. Pollutant Emitted : **H113** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.23 lb/hour 0.95 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements (AP42, 5th ed.), using high end of range
Max Hourly
Mn = (74 lb/10^12 Btu)(3048.8 MMBtu/hr)
= 0.226 lb/hr
Annual Potential
(Mn)(8400 hr/yr) = 0.948 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 15

1. Pollutant Emitted : **H114** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.10 lb/hour 0.41 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements (AP42, 5th ed.), using high end of range
Max Hourly
(Hg = (32 lb/10^12 Btu)(3048.8 MMBtu/hr)
= 0.098 lb/hr
Annual Potential
(Hg)(8400 hr/yr) = 0.487 tpy

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 16

1. Pollutant Emitted : **H133** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
7.27 lb/hour 30.55 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu **

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements (AP42, 5th ed.), using high end of range
Max Hourly
Ni = (2330 lb/10^12 Btu)(3048.8 MMBtu/hr)
= 7.104 lb/hr
Assume metals from used oil could be primarily either Pb or Ni
Ni = Ni + Metals = 7.274 lb/hr
Annual Potential
(Ni)(8400 hr/yr) = 29.836 tpy
Ni + Metals = 30.553

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 17

1. Pollutant Emitted : **H162** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.12 lb/hour 0.49 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^12 Btu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements (AP42, 5th ed.), using high end of range
Max Hourly
Se = (38 lb/10^12 Btu)(3048.8 MMBtu/hr)
= 0.116 lb/hr
Annual Potential
(Se)(8400 hr/yr) = 0.487 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 3
Boiler 3

Pollutant Detail Information : Pollutant 18

1. Pollutant Emitted : **T035** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
112.68 lb/hour 47.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : See Below.
Unit Code : ppm +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Assume Maximum Cl in used oil = 1000 ppm
HCl = (66.1 %)(1000 ppm)(8 lb/gal)(OilHour)
= 112.684 lb/hr
Annual Potential
(HCL)(8400 hr/yr) = 473.217 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 1

1. Pollutant Emitted : **NOX** *
2. Total Percent Efficiency of Control : 65.00 %
3. Potential Emissions :
   236.60 lb/hour 1,036.40 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : Permit.
   Unit Code : lb/hr **
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Combustion Turbines A & B (each)
   Permit Restrictions
   Gas NOx = 75.1 lb/hr
   Annual Potential
   (NOx)(8760 hr/yr) = 328.9 tpy
   Oil NOx = 118.3 lb/hr
   Annual Potential
   (NOx)(8760 hr/yr) = 518.2 tpy
9. Pollutant Potential/Estimated Emissions Comment :

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A
Permit Restrictions for NOx
For Gas 75.1 lb/hr/unit
328.9 TPY/unit
658 tpy/2 units
For Oil 118.3 lb/hr/unit
518.2 TPY/unit
1036.5 TPY/2 units

CT-A Pollutant

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 2

1. Pollutant Emitted : **SO2** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
285.40 lb/hour 1,250.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Combustion Turbines A & B (each)
Permit Restrictions
Gas SO2 = 0.68 lb/hr
Annual Potential
(SO2)(8760 hr/yr) = 3.0 tpy
Oil SO2 = 285.4 lb/hr
Annual Potential
(SO2)(8760 hr/yr) = 1250 tpy

9. Pollutant Potential/Estimated Emissions Comment :

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Permit Restirctions:
For Gas 0.34 lb/hr/unit
518.2 TPY/unit
1036.5 TPY/2 units
For Oil 142.7 lb/hr/unit
625.0 TPY/unit
1250 TPY/2 units

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 3

1. Pollutant Emitted : **CO** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 20.20 lb/hour 88.40 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor : Reference : Permit. Unit Code : #/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions : These data were tabulated for PSD and inventory purposes in the latest permit, but were max. allowables in previous edition of permit, based on BACT. Gas CO = 10 lb/hr Annual Potential (CO)(8760 hr/yr) = 43.8 tpy Oil CO = 10.1 lb/hr Annual Potential (CO)(8760 hr/yr) = 44.2 tpy
9. Pollutant Potential/Estimated Emissions Comment : None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 4

1. Pollutant Emitted : **PM** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
20.00 lb/hour 87.60 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

These data (for each compustion turbines A, B) were tabulated for PSD and inventory purposes in the latest permit, but were max. allowables in previous edition of permit, based on BACT.
Gas PM = 2.5 lb/hr
Annual Potential
(PM)(8760 hr/yr) = 10.9 tpy
Oil PM = 10 lb/hr
Annual Potential
(PM)(8760 hr/yr) = 43.8 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 5

1. Pollutant Emitted : **PM10** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
20.00 lb/hour 87.60 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

These data (for each compustion turbines A, B) were tabulated for PSD and inventory purposes in the latest permit, but were max. allowables in previous edition of permit, based on BACT.
Gas PM10 = 2.5 lb/hr
Annual Potential
(PM10)(8760 hr/yr) = 10.9 tpy
Oil PM10 = 10 lb/hr
Annual Potential
(PM10)(8760 hr/yr) = 43.8 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 6

1. Pollutant Emitted : **VOC** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
8.00 lb/hour 35.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

These data (for each compustion turbines A, B) were tabulated for PSD and inventory purposes in the latest permit, but were max. allowables in previous edition of permit, based on BACT.
For both Gas and Oil
VOC = 4.0 lb/hr
Annual Potential
(VOC)(8760 hr/yr) = 17.5 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 7

1. Pollutant Emitted : **SAM** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
20.00 lb/hour 88.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

These data (for each compustion turbines A, B) were tabulated for PSD and inventory purposes in the latest permit, but were max. allowables in previous edition of permit, based on BACT.
Oil H2SO4 = 10 lb/hr
Annual Potential
(H2SO4)(8760 hr/yr) = 44.0 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 8

1. Pollutant Emitted : **H021** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 1.00 lb/hour 5.00 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : Permit.
   Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   These data (for each compustion turbines A, B) were tabulated for PSD and inventory purposes in the latest permit, but were max. allowables in previous edition of permit, based on BACT.
   Oil Be = 0.001 lb/hr
   Annual Potential
   (Be)(8760 hr/yr) = 0.0005 tpy
9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 9

1. Pollutant Emitted : **H095** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : t.20 lb/hour 5.30 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : From AP42, 5th ed.
   Unit Code : lb/hr +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   From AP42, 5th ed. For Combustion Turbines A & B (each)
   HCOH, only info is for SCR with water injection

   HCOH = (0.0027 lb/MMBtu)(445 MMBtu/hr) = 1.2 lb/hr
   Annual Potential
   HCOH = 5.3 tpy
9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 10

1. Pollutant Emitted : **H015** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.00 lb/hour 0.02 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : From AP42, 5th ed.
Unit Code : lb/10^6 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

As = (4.9 lb/10^6 MMBtu)(445 MMBtu/hr)
= 0.002 lb/hr
Annual Potential
As = 0.01 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 11

1. Pollutant Emitted : **H027** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.00 lb/hour 0.02 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/10^6 MMBtu +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbines A & B:

Cd = (4.2 lb/10^6 MMBtu)(445 MMBtu/hr)
= 0.002 lb/hr
Annual Potential
As = .008 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 12

1. Pollutant Emitted : **H046** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   0.04 lb/hour 0.18 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : Permit
   Unit Code : lb/10^5 MMBtu +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

   Cr = (4.7 lb/10^5 MMBtu)(445 MMBtu/hr)
   = 0.021 lb/hr
   Annual Potential
   Cr = 0.092 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 13

1. Pollutant Emitted : **H047** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   0.01 lb/hour 0.04 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/10^6 MMBtu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

   Co = (9.1 lb/10^6 MMBtu)(445 MMBtu/hr)
   = 0.004 lb/hr
   Annual Potential
   Co = 0.018 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 14

1. Pollutant Emitted : **H110** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.05 lb/hour 0.23 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/10^5 MMBtu +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

Pb = (5.8 lb/10^5 MMBtu)(445 MMBtu/hr)
= 0.026 lb/hr
Annual Potential
Pb = 0.113 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 15

1. Pollutant Emitted : **H113** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.30 lb/hour 1.33 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/10^4 MMBtu +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

Mn = (3.4 lb/10^4 MMBtu)(445 MMBtu/hr)
= 0.151 lb/hr
Annual Potential
Mn = 0..663 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 16

1. Pollutant Emitted : **H114** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.00 lb/hour 0.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/10^7 MMBtu +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

Hg = (9.1 lb/10^7 MMBtu)(445 MMBtu/hr)
= 0 lb/hr
Annual Potential
Hg = 0.002 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 17

1. Pollutant Emitted : **H133** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
1.07 lb/hour 4.68 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/10^3 MMBtu +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

Ni = (1.2 lb/10^3 MMBtu)(445 MMBtu/hr)
= 0.534 lb/hr
Annual Potential
Ni = 2.34 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 18

1. Pollutant Emitted : **H148** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.27 lb/hour 1.17 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/10^4 MMBtu **

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

P = (3.0 lb/10^4 MMBtu)(445 MMBtu/hr)
= 0.133 lb/hr
Annual Potential
P = 0.585 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Detail Information : Pollutant 19

1. Pollutant Emitted : **H162** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.00 lb/hour 0.02 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/10^5 MMBtu **

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

Se = (5.3 lb/10^5 MMBtu)(445 MMBtu/hr)
= 0.002 lb/hr
Annual Potential
Se = 0.01 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 1

1. Pollutant Emitted : **NOX** *

2. Total Percent Efficiency of Control : 65.00 %

3. Potential Emissions :
236.60 lb/hour 1,036.40 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Combustion Turbines A & B (each)
Permit Restrictions
Gas NOx = 75.1 lb/hr
Annual Potential
(NOx)(8760 hr/yr) = 328.9 tpy
Oil NOx = 118.3 lb/hr
Annual Potential
(NOx)(8760 hr/yr) = 518.2 tpy

9. Pollutant Potential/Estimated Emissions Comment :

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Permit Restrictions for NOx
For Gas 75.1 lb/hr/unit
328.9 TPY/unit
658 tpy/2 units
For Oil 118.3 lb/hr/unit
518.2 TPY/unit
1036.5 TPY/2 units

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 2

1. Pollutant Emitted : **SO2** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
285.40 lb/hour 1,250.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Combustion Turbines A & B (each)
Permit Restrictions
Gas SO2 = 0.68 lb/hr
Annual Potential
(SO2)(8760 hr/yr) = 3.0 tpy
Oil SO2 = 285.4 lb/hr
Annual Potential
(SO2)(8760 hr/yr) = 1250 tpy

9. Pollutant Potential/Estimated Emissions Comment :

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Permit Restirctions:
For Gas 0.34 lb/hr/unit
518.2 TPY/unit
1036.5 TPY/2 units
For Oil 142.7 lb/hr/unit
625.0 TPY/unit
1250 TPY/2 units

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 3

1. Pollutant Emitted : **CO** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
20.20 lb/hour 88.40 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr **

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

These data were tabulated for PSD and inventory purposes in the latest permit, but were max. allowables in previous edition of permit, based on BACT.
Gas CO = 10 lb/hr
Annual Potential
(CO)(8760 hr/yr) = 43.8 tpy

Oil CO = 10.1 lb/hr
Annual Potential
(CO)(8760 hr/yr) = 44.2 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 4

1. Pollutant Emitted : **PM** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   20.00 lb/hour 87.60 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : Permit.
   Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   These data (for each compustion turbines A, B) were tabulated for PSD and inventory purposes in the latest permit, but were max. allowables in previous edition of permit, based on BACT.
   Gas PM = 2.5 lb/hr
   Annual Potential
   (PM)(8760 hr/yr) = 10.9 tpy
   Oil PM = 10 lb/hr
   Annual Potential
   (PM)(8760 hr/yr) = 43.8 tpy
9. Pollutant Potential/Estimated Emissions Comment :

   None

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 5

1. Pollutant Emitted : **PM10** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions :
   20.00 lb/hour 87.60 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:
   to tons/year
6. Emissions Factor :
   Reference : Permit.
   Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   These data (for each compustion turbines A, B) were tabulated for PSD and inventory purposes in the latest permit, but were max. allowables in previous edition of permit, based on BACT.
   Gas PM10 = 2.5 lb/hr
   Annual Potential
   (PM10)(8760 hr/yr) = 10.9 tpy
   Oil PM10 = 10 lb/hr
   Annual Potential
   (PM10)(8760 hr/yr) = 43.8 tpy
9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 6

1. Pollutant Emitted : **VOC** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
8.00 lb/hour 35.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : * lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

These data (for each compustion turbines A, B) were tabulated for PSD and inventory purposes in the latest permit, but were max. allowables in previous edition of permit, based on BACT.
For both Gas and Oil
VOC = 4.0 lb/hr
Annual Potential
(VOC)(8760 hr/yr) = 17.5 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 7

1. Pollutant Emitted : **SAM** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
20.00 lb/hour 88.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

These data (for each compustion turbines A, B) were tabulated for PSD and inventory purposes in the latest permit, but were max. allowables in previous edition of permit, based on BACT.
Oil H2SO4 = 10 lb/hr
Annual Potential
(H2SO4)(8760 hr/yr) = 44.0 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 8

1. Pollutant Emitted : **H021** *

2. Total Pereent Efficiency of Control : 0.00 %

3. Potential Emissions :
1.00 lb/hour 5.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/hr +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

These data (for each compustion turbines A, B) were tabulated for PSD and inventory purposes in the latest permit, but were max. allowables in previous edition of permit, based on BACT.
Oil Be = 0.001 lb/hr
Annual Potential
(Be)(8760 hr/yr) = 0.0005 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 9

1. Pollutant Emitted : **H095** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
1.20 lb/hour 5.30 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

From AP42, 5th ed. For Combustion Turbines A & B (each)
HCOH, only info is for SCR with water injection

HCOH = (0.0027 lb/MMBtu)(445 MMBtu/hr) = 1.2 lb/hr
Annual Potential
HCOH = 5.3 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 10

1. Pollutant Emitted : **H015** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.00 lb/hour 0.02 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^6 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For eaeh of the Combustion Turbine A & B:

As = (4.9 lb/10^6 MMBtu)(445 MMBtu/hr)
= 0.002 lb/hr
Annual Potential
As = 0.01 tpy.

9. *Pollutant Potential/Estimated Emissions Comment :*

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 11

1. Pollutant Emitted : **H027** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.00 lb/hour 0.02 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^6 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbines A & B:

Cd = (4.2 lb/10^6 MMBtu)(445 MMBtu/hr)
= 0.002 lb/hr
Annual Potential
As = .008 tpy.

9. *Pollutant Potential/Estimated Emissions Comment :*

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 12

1. Pollutant Emitted : **H046** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.04 lb/hour 0.18 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^5 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

Cr = (4.7 lb/10^5 MMBtu)(445 MMBtu/hr)
= 0.021 lb/hr
Annual Potential
Cr = 0.092 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 13

1. Pollutant Emitted : **H047** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.01 lb/hour 0.04 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^6 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

Co = (9.1 lb/10^6 MMBtu)(445 MMBtu/hr)
= 0.004 lb/hr
Annual Potential
Co = 0.018 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 14

1. Pollutant Emitted : **H110** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.05 lb/hour 0.23 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^5 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

Pb = (5.8 lb/10^5 MMBtu)(445 MMBtu/hr)
= 0.026 lb/hr
Annual Potential
Pb = 0.113 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 15

1. Pollutant Emitted : **H113** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.30 lb/hour 1.33 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^4 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

Mn = (3.4 lb/10^4 MMBtu)(445 MMBtu/hr)
= 0.151 lb/hr
Annual Potential
Mn = 0..663 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 16

1. Pollutant Emitted : **H114** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.00 lb/hour 0.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^7 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

Hg = (9.1 lb/10^7 MMBtu)(445 MMBtu/hr)
= 0 lb/hr
Annual Potential
Hg = 0.002 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 17

1. Pollutant Emitted : **H133** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
1.07 lb/hour 4.68 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^3 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

Ni = (1.2 lb/10^3 MMBtu)(445 MMBtu/hr)
= 0.534 lb/hr
Annual Potential
Ni = 2.34 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 18

1. Pollutant Emitted : **H148** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.27 lb/hour 1.17 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^4 MMbtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

P = (3.0 lb/10^4 MMBtu)(445 MMBtu/hr)
= 0.133 lb/hr
Annual Potential
P = 0.585 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Detail Information : Pollutant 19

1. Pollutant Emitted : **H162** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.00 lb/hour 0.02 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^5 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace Elements, HAPS, not otherwise restricted by permit, distillate-oil fire. For each of the Combustion Turbine A & B:

Se = (5.3 lb/10^5 MMBtu)(445 MMBtu/hr)
= 0.002 lb/hr
Annual Potential
Se = 0.01 tpy.

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 1

1. Pollutant Emitted : NOX *
2. Total Percent Efficiency of Control : 65.00 %
3. Potential Emissions : 924.20 lb/hour 1,012.00 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : Permit.
   Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Worst case pollutants operating scenarios (tpy from permit BACT)
   For gas and oil for each of the combustion turbines C and D:
   NOx = 801.8 tpy
   For Oil
   (506 tpy)(yr/2190 hr) = 462.101 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

   None.

CT-C Pollutant

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 2

1. Pollutant Emitted : SO2 *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 1,740.64 lb/hour 1,906.00 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : Permit
   Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Worst case pollutants operating scenarios (tpy from permit BACT)
   For gas and oil for each of the combustion turbines C and D:
   SO2 = 954.1 tpy
   For Oil
   (953 tpy)(yr/2190 hr) = 870.32 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 3

1. Pollutant Emitted : **PM** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 432.88 lb/hour 474.00 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : Permit.
   Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Worst case pollutants operating scenarios (tpy from permit BACT)
   For gas and oil for each of the combustion turbines c and D:
   PM = 246.8 tpy
   For Oil
   (237 tpy)(yr/2190 hr) = 216.438 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 4

1. Pollutant Emitted : **PM10** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 432.88 lb/hour 474.00 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : Permit.
   Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Worst case pollutants operating scenarios (tpy from permit BACT)
   For gas and oil for each combustion turbines C and D:
   PM10 = 246.8 tpy
   For Oil
   (237 tpy)(yr/2190 hr) = 216.438 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 5

1. Pollutant Emitted : **CO** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
290.41 lb/hour 318.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Worst case pollutants operating scenarios (tpy from permit BACT)
For gas and oil for each of the combustion turbines C and D:
CO = 315.5 tpy
For oil, for each of the combustion turbine
(159 tpy)(yr/2190 hr) = 145.206 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 6

1. Pollutant Emitted : **VOC** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
204.57 lb/hour 224.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Worst case pollutants operating scenarios (tpy from permit BACT)
For gas and oil for each of the combustion turbines C and D:
VOC = 130.5 tpy
For oil, for each of the combustion turbine
(112 tpy)(yr/2190 hr) = 102.283 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 7

1. Pollutant Emitted : **SAM** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 52.05 lb/hour 57.00 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : Permit.
   Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Worst case pollutants operating scenarios (tpy from permit BACT)
   For gas and oil for each of the combustion turbines C and D:
   H2SO4 = 28.5 tpy
   For oil for each of the combustion turbine
   (28.5 tpy)(yr/2190 hr) = 26.027 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 8

1. Pollutant Emitted : **H021** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 0.02 lb/hour 0.02 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : Permit.
   Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Worst case pollutants operating scenarios (tpy from permit BACT)
   For gas and oil for each of the combustion turbines C and D:
   Be = 0.01 tpy
   For oil, for each of the combustion turbines
   (0.01 tpy)(yr/2190 hr) = 0.009 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 9

1. Pollutant Emitted : **H014** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.02 lb/hour 0.02 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Worst case pollutants operating scenarios (tpy from permit BACT)
For gas and oil for each of the combustion turbines C and D:
Hg = 0.01 tpy
For oil for each of the combustion turbine
(0.01 tpy)(yr/2190 hr) = 0.009 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 10

1. Pollutant Emitted : **H110** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.15 lb/hour 0.16 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Worst case pollutants operating scenarios (tpy from permit BACT)
For gas and oil for each of the combustion turbine C and D:
Pb = 0.08 tpy
For oil, for each of the combustion turbine
(0.08 tpy)(yr/2190 hr) = 0.073 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 11

1. Pollutant Emitted : **H095** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
7.40 lb/hour 16.05 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

From AP42, 5th ed. for each of the combustion turbine C and D:
HCOH, only information is for SCR with water injection:
HCOH = (0.0027 lb/MMBtu)(1354 MMBtu/hr)
= 3.7 lb/hr
Annual Potential
(HCOH)(4390 hr/yr) = 8.024 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 12

1. Pollutant Emitted : **H015** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.01 lb/hour 0.06 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Referenee : AP42, 5th ed.
Unit Code : lb/10^6 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
As = (4.9 lb/10^6 MMBtu)(1346 MMBtu/hr)
= 0.007 lb/hr
Annual Potential
As = 0.029 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 13

1. Pollutant Emitted : **H027** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 12.00 lb/hour 0.05 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/10^6 MMBtu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
   Cd = (4.2 lb/10^6 MMBtu)(1346 MMBtu/hr)
   = 0.006 lb/hr
   Annual Potential
   Cd = 0.025 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 14

1. Pollutant Emitted : **H046** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 0.13 lb/hour 0.55 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : AP42, 5th ed.
   Unit Code : lb/10^5 MMBtu +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :

   Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
   Cr = (4.7 lb/10^5 MMBtu)(1346 MMBtu/hr)
   = 0.063 lb/hr
   Annual Potential
   Cd = 0.277 tpy

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 15

1. Pollutant Emitted : **H047** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.24 lb/hour 0.11 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^6 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
Co = (9.1 lb/10^6 MMBtu)(1346 MMBtu/hr)
= 0.012 lb/hr
Annual Potential
Cd = 0.054 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 16

1. Pollutant Emitted : **H113** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.92 lb/hour 4.01 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^4 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
Mn = (3.4 lb/10^4 MMBtu)(1346 MMBtu/hr)
= 0.458 lb/hr
Annual Potential
Mn = 2.006 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 17

1. Pollutant Emitted : **H133** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
3.23 lb/hour 14.16 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^3 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
Ni = (1.2 lb/10^3 MMBtu)(1346 MMBtu/hr)
= 1.615 lb/hr
Annual Potential
Ni = 7.079 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 18

1. Pollutant Emitted : **H148** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.81 lb/hour 3.54 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^4 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
P = (3.0 lb/10^4 MMBtu)(1346 MMBtu/hr)
= 0.404 lb/hr
Annual Potential
Cd = 1.77 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Detail Information : Pollutant 19

1. Pollutant Emitted : **H162** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.01 lb/hour 0.06 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^ MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
Se = (5.3 lb/10^6 MMBtu)(1346 MMBtu/hr)
= 0.007 lb/hr
Annual Potential
Se = 0.031 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 1

1. Pollutant Emitted : **NOX** *

2. Total Percent Efficiency of Control : 65.00 %

3. Potential Emissions :
924.20 lb/hour 1,012.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Worst case pollutants operating scenarios (tpy from permit BACT)
For gas and oil for each of the combustion turbines C and D:
NOx = 801.8 tpy
For Oil
(506 tpy)(yr/2190 hr) = 462.101 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 2

1. Pollutant Emitted : **SO2** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 1,740.64 lb/hour 1,906.00 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : Permit.
   Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Worst case pollutants operating scenarios (tpy from permit BACT)
   For gas and oil for each of the combustion turbines C and D:
   SO2 = 954.1 tpy
   For Oil
   (953 tpy)(yr/2190 hr) = 870.32 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 3

1. Pollutant Emitted : **PM** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 432.88 lb/hour 474.00 tons/year
4. Synthetically Limited?
   [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : Permit.
   Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Worst case pollutants operating scenarios (tpy from permit BACT)
   For gas and oil for each of the combustion turbines c and D:
   PM = 246.8 tpy
   For Oil
   (237 tpy)(yr/2190 hr) = 216.438 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 4

1. Pollutant Emitted : **PM10** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 432.88 lb/hour 474.00 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor : Reference : Permit. Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Worst case pollutants operating scenarios (tpy from permit BACT)
   For gas and oil for each combustion turbines C and D:
   PM10 = 246.8 tpy
   For Oil
   (237 tpy)(yr/2190 hr) = 216.438 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 5

1. Pollutant Emitted : **CO** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 290.41 lb/hour 318.00 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor : Reference : Permit. Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Worst case pollutants operating scenarios (tpy from permit BACT)
   For gas and oil for each of the combustion turbines C and D:
   CO = 315.5 tpy
   For oil, for each of the combustion turbine
   (159 tpy)(yr/2190 hr) = 145.206 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 6

1. Pollutant Emitted : **VOC** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 204.57 lb/hour 224.00 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : Permit.
   Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Worst case pollutants operating scenarios (tpy from permit BACT)
   For gas and oil for each of the combustion turbines C and D:
   VOC = 130.5 tpy
   For oil, for each of the combustion turbine
   (112 tpy)(yr/2190 hr) = 102.283 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 7

1. Pollutant Emitted : **SAM** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 52.05 lb/hour 57.00 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor :
   Reference : Permit.
   Unit Code : lb/hr +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :

   Worst case pollutants operating scenarios (tpy from permit BACT)
   For gas and oil for each of the combustion turbines C and D:
   H2SO4 = 28.5 tpy
   For oil for each of the combustion turbine
   (28.5 tpy)(yr/2190 hr) = 26.027 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

   None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 8

1. Pollutant Emitted : **H021** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.02 lb/hour 0.02 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Worst case pollutants operating scenarios (tpy from permit BACT)
For gas and oil for each of the combustion turbines C and D:
Be = 0.01 tpy
For oil, for each of the combustion turbines
(0.01 tpy)(yr/2190 hr) = 0.009 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 9

1. Pollutant Emitted : **H014** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.02 lb/hour 0.02 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Worst case pollutants operating scenarios (tpy from permit BACT)
For gas and oil for each of the combustion turbines C and D:
Hg = 0.01 tpy
For oil for each of the combustion turbine
(0.01 tpy)(yr/2190 hr) = 0.009 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 10

1. Pollutant Emitted : **H110** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.15 lb/hour 0.16 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : Permit.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Worst case pollutants operating scenarios (tpy from permit BACT)
For gas and oil for each of the combustion turbine C and D:
Pb = 0.08 tpy
For oil, for each of the combustion turbine
(0.08 tpy)(yr/2190 hr) = 0.073 lb/hr

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 11

1. Pollutant Emitted : **H095** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
7.40 lb/hour 16.05 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

From AP42, 5th ed. for each of the combustion turbine C and D:
HCOH, only information is for SCR with water injection:
HCOH = (0.0027 lb/MMBtu)(1354 MMBtu/hr)
= 3.7 lb/hr
Annual Potential
(HCOH)(4390 hr/yr) = 8.024 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 12

1. Pollutant Emitted : **H015** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.01 lb/hour 0.06 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/MMBtu7 +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
As = (4.9 lb/10^6 MMBtu)(1346 MMBtu/hr)
= 0.007 lb/hr
Annual Potential
As = 0.029 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 13

1. Pollutant Emitted : **H027** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
12.00 lb/hour 0.05 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^6 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
Cd = (4.2 lb/10^6 MMBtu)(1346 MMBtu/hr)
= 0.006 lb/hr
Annual Potential
Cd = 0.025 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 14

1. Pollutant Emitted : **H046** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.13 lb/hour 0.55 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^5 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
Cr = (4.7 lb/10^5 MMBtu)(1346 MMBtu/hr)
= 0.063 lb/hr
Annual Potential
Cd = 0.277 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 15

1. Pollutant Emitted : **H047** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.24 lb/hour 0.11 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^6 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
Co = (9.1 lb/10^6 MMBtu)(1346 MMBtu/hr)
= 0.012 lb/hr
Annual Potential
Cd = 0.054 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 16

1. Pollutant Emitted : **H113** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.92 lb/hour 4.01 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^4 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
Mn = (3.4 lb/10^4 MMBtu)(1346 MMBtu/hr)
= 0.458 lb/hr
Annual Potential
Mn = 2.006 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 17

1. Pollutant Emitted : **H133** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
3.23 lb/hour 14.16 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^3 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
Ni = (1.2 lb/10^3 MMBtu)(1346 MMBtu/hr)
= 1.615 lb/hr
Annual Potential
Ni = 7.079 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 18

1. Pollutant Emitted : **H148** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.81 lb/hour 3.54 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^4 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
P = (3.0 lb/10^4 MMBtu)(1346 MMBtu/hr)
= 0.404 lb/hr
Annual Potential
Cd = 1.77 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Detail Information : Pollutant 19

1. Pollutant Emitted : **H162** *

2. Total Percent Efficiency of Control : 0.00 %

3. Potential Emissions :
0.01 lb/hour 0.06 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : AP42, 5th ed.
Unit Code : lb/10^6 MMBtu +*

7. Emissions Method Code : 3 *

8. Calculations of Emissions :

Trace elements, HAPS, not otherwise restricted by permit, distillate-oil fired. For each of the combustion turbine C and D:
Se = (5.3 lb/10^6 MMBtu)(1346 MMBtu/hr)
= 0.007 lb/hr
Annual Potential
Se = 0.031 tpy

9. Pollutant Potential/Estimated Emissions Comment :

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 8
Lime Storage Silo

Pollutant Detail Information : Pollutant 1

1. Pollutant Emitted : **PM** *

2. Total Percent Efficiency of Control : 99.00 %

3. Potential Emissions :
0.00 lb/hour 0.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : See below.
Unit Code : gr/scf +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Per OUC, Usage = 80 tpy; ACFM determined by truck, at 35 lb.scf per lime company

SCFM = (1 scf/35 lb)(2000 lb/ton)(10ton/hr)(hr/60 min)
= 9.524 scf
PM = (0.02 gr/scf)(SCFM)
= 0.002 lb/hr
Load time = 80 tpy/10 tph
Load time = 8 hr/yr
(PM)(8760 hr/yr) = 0.007 tpy max annual
Estimated Annual
(PM)(8 hr/yr) = .000006531 tpy
Potential Emission
(PM)(2 hr/day)(365 day/yr) = 0.001 tpy

9. Pollutant Potential/Estimated Emissions Comment :

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 8
Lime Storage Silo
None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 8
Lime Storage Silo

Pollutant Detail Information : Pollutant 2

1. Pollutant Emitted : **PM10** *

2. Total Percent Efficiency of Control : 99.00 %

3. Potential Emissions :
0.00 lb/hour 0.00 tons/year

4. Synthetically Limited?
[ ] Yes [X] No

5. Range of Estimated Fugitive/Other Emissions:
to tons/year

6. Emissions Factor :
Reference : See Below.
Unit Code : lb/hr +*

7. Emissions Method Code : 2 *

8. Calculations of Emissions :

Per OUC, Usage = 80 tpy; ACFM determined by truck, at 35 lb.scf per lime company

SCFM = (1 scf/35 lb)(2000 lb/ton)(10ton/hr)(hr/60 min)
= 9.524 scf
PM = (0.02 gr/scf)(SCFM)
= 0.002 lb/hr
Load time = 80 tpy/10 tph
Load time = 8 hr/yr
(PM)(8760 hr/yr) = 0.007 tpy max annual
Estimated Annual
(PM)(8 hr/yr) = .000006531 tpy
Potential Emission
(PM)(2 hr/day)(365 day/yr) = 0.001 tpy

9. Pollutant Potential/Estimated Emissions Comment :

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 8
Lime Storage Silo

None.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 9
Non-regulated Emissions - Exempt and Insignifcant

Pollutant Detail Information : Pollutant 1

1. Pollutant Emitted : **VOC** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 10.30 lb/hour 2.67 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 1 1.00 to 5.00 tons/year
6. Emissions Factor : Reference : Paint Specification Unit Code : lb/gal +*
7. Emissions Method Code : 2 *
8. Calculations of Emissions :
   (1527.9 gal/yr)*(3.5 lb/gal) *(1 ton/2000 lb) = 2.674 tpy
   or 10.256 lb/hr
   based on max. VOC content of 3.5 lb/gal.
9. Pollutant Potential/Estimated Emissions Comment :
   None.

6 gal/day x 365 days/year → less than → = 2,190 gal/year

✓ O.K. to be exempt.

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 10
Non-regulated Emissions - Significant

Pollutant Detail Information : Pollutant 1

1. Pollutant Emitted : **PM** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 29.76 lb/hour 43.10 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 1 1.00 to 5.00 tons/year
6. Emissions Factor : Reference : AP-42 5th ed. Unit Code : lb/mi +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions :
   (1.434 lb/mi)*(216540 Vehicle Miles/yr*25%)*(1 ton/2000 lb) = 43.1 tpy.
9. Pollutant Potential/Estimated Emissions Comment :
   None.

non-Reg Pollutant info

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 10
Non-regulated Emissions - Significant

Pollutant Detail Information : Pollutant 2

1. Pollutant Emitted : **PM10** *
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : 13.26 lb/hour 18.96 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 1 1.00 to 5.00 tons/year
6. Emissions Factor : Reference : AP-42 5th ed. Unit Code : lb/mi +*
7. Emissions Method Code : 3 *
8. Calculations of Emissions : (0.645 lb/mi)*(54135 mi/yr)*(1 ton/2000 lb) = 18.96 tpy vehicle fugitives
9. Pollutant Potential/Estimated Emissions Comment : None.

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Information Section 2

Allowable Emissions 2

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
   Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
   lb/hour 476.50 tons/year

5. Method of Compliance :
   Initial startup compliance test, and every year thereafter when the unit fires more than 170 hours on distillate (Method 7E).

   Compliance Method Code : +* Compliance Test Frequency : +*

   Fequency Base Date : +

   Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :
   476.5 tpy allowed while firing on distillate.
   Required by 40 CFR 60 Subpart GG.

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Information Section 5

Allowable Emissions 2

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
   Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
   lb/hour 79.50 tons/year

5. Method of Compliance :
   Initial performance test and annual compliance test during every year distillate is fired for more than 170 hours (Method 10).

   Compliance Method Code : +* Compliance Test Frequency : +*

   Fequency Base Date : +

   Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :
   79.5 tpy allowed while firing distillate.

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Information Section 1

Allowable Emissions 2

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
   Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
   lb/hour 253.00 tons/year

5. Method of Compliance :
   Initial compliance test, and annual compliance test every additional year the unit fires on distillate more than 170 hours.

   Compliance Method Code : +* Compliance Test Frequency : +*

   Fequency Base Date : +

   Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

   253 tpy allowed while firing on distillate.
   Required by 40 CFR 60 Subpart GG.

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Information Section 1

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
   Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
   lb/hour 295.75 tons/year

5. Method of Compliance :
   Annual compliance test (Method 7E).

   Compliance Method Code : +* Compliance Test Frequeney : +*

   Fequency Base Date : +

   Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

   Permit Restriction (Basis, BACT) For Each Emission Unit
   Gas 295.75 TPY
   Rcquired by 40 cfr 60 Subpart GG
   Oil 253 TPY

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Information Section 2

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
lb/hour 1.05 tons/year

5. Method of Compliance :
Fuel analysis.

Compliance Method Code : +* Compliance Test Frequency : +*

Fequency Base Date : +

Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

Permit Restriction (Basis, BACT) For Each Emission Unit
Gas 1.05 TPY
Oil 476.5 TPY

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Information Section 3

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
lb/hour tons/year

5. Method of Compliance :

Compliance Method Code : +* Compliance Test Frequency : +*

Fequency Base Date : +

Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

Permit Restriction (Basis, Performance Data & BACT) For Each Emission Unit:
Gas 9.75 TPY
Oil 118.5 TPY

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Information Section 4

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
lb/hour tons/year

5. Method of Compliance :

Compliance Method Code : +* Compliance Test Frequency : +*

Fequency Base Date : +

Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

Permit Restriction (Basis, Performance Data & BACT) For Each Emission Unit:
Gas 9.75 TPY
Oil 118.5 TPY

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Information Section 5

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
lb/hour 156.50 tons/year

5. Method of Compliance :
Annual compliance test (Method10).

Compliance Method Code : +* Compliance Test Frequency : +*

Fequency Base Date : +

Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

Permit Restriction (Basis, Performance Data & BACT):
Gas 156.5 TPY
Oil 79.5 TPY

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Information Section 6

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
Allowable Emissions Unit :

4. Equivalent Allowable Emissions :

	lb/hour	tons/year

5. Method of Compliance :
Assumed to be in compliance if CO is within compliance.

Compliance Method Code : +* Compliance Test Frequency : +*

Fequency Base Date : +

Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

Permit Restriction (Basis, Performance Data & BACT) For Each Emission Unit:
Gas 18.5 TPY
Oil 56 TPY

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Information Section 7

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
Allowable Emissions Unit :

4. Equivalent Allowable Emissions :

	lb/hour	tons/year

5. Method of Compliance :

Compliance Method Code : +* Compliance Test Frequency : +*

Fequency Base Date : +

Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

Permit Restriction (Basis, Performance Data) For Each Emission Unit:
Gas 0.035 TPY
Oil 14.25 TPY

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Information Section 1

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
   Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
   lb/hour 295.75 tons/year

5. Method of Compliance :
   Annual compliance test (Method 7E).

   Compliance Method Code : +* Compliance Test Frequency : +*

   Fequency Base Date : +

   Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

   Permit Restriction (Basis, BACT) For Each Emission Unit
   Gas 295.75 TPY
   Oil 253 TPY

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Information Section 2

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
   Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
   lb/hour 1.05 tons/year

5. Method of Compliance :

   Compliance Method Code : +* Compliance Test Frequency : +*

   Fequency Base Date : +

   Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

   Permit Restriction (Basis, BACT) For Each Emission Unit
   Gas 1.05 TPY
   Oil 476.5 TPY

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Information Section 3

Allowable Emissions 1

1. Basis for Allowable Emissions Code :	RULE *
2. Future Effective Date of Allowable Emissions :	
3. Requested Allowable Emissions and Units :	* *
Allowable Emissions Unit :	
4. Equivalent Allowable Emissions :	
	lb/hour tons/year
5. Method of Compliance :	
Compliance Method Code : +*	Compliance Test Frequency : +*
Fequency Base Date : +	
Regulation :	+*
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :	
Permit Restriction (Basis, Performance Data & BACT) For Each Emission Unit: Gas 9.75 TPY Oil 118.5 TPY	

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Information Section 4

Allowable Emissions 1

1. Basis for Allowable Emissions Code :	RULE *
2. Future Effective Date of Allowable Emissions :	
3. Requested Allowable Emissions and Units :	* *
Allowable Emissions Unit :	
4. Equivalent Allowable Emissions :	
	lb/hour tons/year
5. Method of Compliance :	
Compliance Method Code : +*	Compliance Test Frequency : +*
Fequency Base Date : +	
Regulation :	+*
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :	
Permit Restriction (Basis, Performance Data & BACT) For Each Emission Unit: Gas 9.75 TPY Oil 118.5 TPY	

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Information Section 5

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
Allowable Emissions Unit :

4. Equivalent Allowable Emissions :

lb/hour tons/year

5. Method of Compliance :

Compliance Method Code : +* Compliance Test Frequency : +*

Fequency Base Date : +

Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

Permit Restriction (Basis, Performance Data & BACT) For Each Emission Unit:
Gas 156.5 TPY
Oil 79.5 TPY

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Information Section 6

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
Allowable Emissions Unit :

4. Equivalent Allowable Emissions :

lb/hour tons/year

5. Method of Compliance :

Compliance Method Code : +* Compliance Test Frequency : +*

Fequency Base Date : +

Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

Permit Restriction (Basis, Performance Data & BACT) For Each Emission Unit:
Gas 18.5 TPY
Oil 56 TPY

Emissions Unit Information Section 7
Combustion Turbine D

Pollutant Information Section 7

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
   Allowable Emissions Unit :

4. Equivalent Allowable Emissions :

   lb/hour tons/year

5. Method of Compliance :

   Compliance Method Code : +* Compliance Test Frequency : +*

   Fequency Base Date : +

   Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

   Permit Restriction (Basis, Performance Data) For Each Emission Unit:
   Gas 0.035 TPY
   Oil 14.25 TPY

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Information Section 1

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
   Allowable Emissions Unit :

4. Equivalent Allowable Emissions :

   lb/hour 328.90 tons/year

5. Method of Compliance :
   Annual compliance test (Method 20 or Method 7E).

   Compliance Method Code : +* Compliance Test Frequency : +*

   Fequency Base Date : +

   Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

   328.9 tpy allowed from operation on natural gas.,.

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Information Section 2

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
lb/hour 1.50 tons/year

5. Method of Compliance :
Fuel analysis.

Compliance Method Code : +* Compliance Test Frequency : +*

Fequency Base Date : +

Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :
1.5 tpy allowed while firing on natural gas.
Required by 40 CFR 60 Subpart GG.

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Information Section 1

Allowable Emissions 2

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
lb/hour 518.20 tons/year

5. Method of Compliance :
Compliance Test required for initial startup and any other year when distillate firing more than 170 hours per year.

Compliance Method Code : +* Compliance Test Frequency : +*

Fequency Base Date : +

Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :
518.2 tpy allowed while firing on distillate.

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Information Section 1

Allowable Emissions 1

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
lb/hour 328.90 tons/year

5. Method of Compliance :
Annual compliance test (Method 20 or Method E).

Compliance Method Code : +* Compliance Test Frequency : +*

Fequency Base Date : +

Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

328.9 tpy allowed while firing natural gas.
Required by 40 CFR 60 Sup\bpart GG.

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Information Section 1

Allowable Emissions 2

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
lb/hour 518.20 tons/year

5. Method of Compliance :
Compliance test required for initial startup and any year thereafter where distillate is fired more than 170 hours.

Compliance Method Code : +* Compliance Test Frequency : +*

Fequency Base Date : +

Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

518.2 tpy allowed while firing distillate.
Required by 40 CFR 60 Sup\bpart GG.

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Information Section 2

Allowable Emissions 1

1. Basis for Allowable Emissions Code :	RULE *
2. Future Effective Date of Allowable Emissions :	
3. Requested Allowable Emissions and Units :	* *
Allowable Emissions Unit :	
4. Equivalent Allowable Emissions :	lb/hour 1.50 tons/year
5. Method of Compliance :	Fuel analysis.
Compliance Method Code : +*	Compliance Test Frequency : +*
Fequency Base Date : +	
Regulation : +*	
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :	1.5 tpy allowed while firing natural gas. Required by 40 CFR 60 Subpart GG.

Emissions Unit Information Section 4
Combustion Turbine A

Pollutant Information Section 2

Allowable Emissions 2

1. Basis for Allowable Emissions Code :	RULE *
2. Future Effective Date of Allowable Emissions :	
3. Requested Allowable Emissions and Units :	* *
Allowable Emissions Unit :	
4. Equivalent Allowable Emissions :	lb/hour 625.00 tons/year
5. Method of Compliance :	Fuel analysis to ensure sulfur content of distillate < 0.3%,
Compliance Method Code : +*	Compliance Test Frequency : +*
Fequency Base Date : +	
Regulation : +*	
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :	625 tpy allowed while firing distillate. Required by 40 CFR 60 Subpart GG.

Emissions Unit Information Section 5
Combustion Turbine B

Pollutant Information Section 2

Allowable Emissions 2

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
   Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
   lb/hour 625.00 tons/year

5. Method of Compliance :
   Fuel analysis to ensure sulfur content < 0.3%.

   Compliance Method Code : +* Compliance Test Frequency : +*

   Fequency Base Date : +

   Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

   625 tpy allowed while firing on distillate.
   Required by 40 CFR 60 Subpart GG.

Emissions Unit Information Section 6
Combustion Turbine C

Pollutant Information Section 1

Allowable Emissions 2

1. Basis for Allowable Emissions Code : RULE *

2. Future Effective Date of Allowable Emissions :

3. Requested Allowable Emissions and Units : * *
   Allowable Emissions Unit :

4. Equivalent Allowable Emissions :
   lb/hour 253.00 tons/year

5. Method of Compliance :
   Initial startup compliance test and every year thereafter when distillate is fired for more than 170 hours (Method 20).

   Compliance Method Code : +* Compliance Test Frequency : +*

   Fequency Base Date : +

   Regulation : +*

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

   253 tpy allowed while firing distillate.
   Required by 40 CFR 60 Subpart GG.

Emissions Unit Information Section ____

Pollutant Information Section ____

Allowable Emissions Information Section ____

Test Methods

Effective : 3-21-96

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Boiler I

Visible Emissions Limitation : Visible Emissions Limitation 1

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : *

3. Requested Allowable Opacity :

Normal Conditions :	40	%
Exceptional Conditions :		%
Maximum Period of Excess Opacity Allowed :		min/hour

4. Method of Compliance :
DEP Method 9

5. Visible Emissions Comment :
40% Opacity for steady state.

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

VE Info

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Boiler I

Visible Emissions Limitation : Visible Emissions Limitation 2

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions :		%
Exceptional Conditions :	60	%
Maximum Period of Excess Opacity Allowed :	8	min/hour

4. Method of Compliance :
DEP Method 9

5. Visible Emissions Comment :
60% opacity allowed for soot blowing (3 hours in 24 hours) and during load changing periods (3 hours in 24 hours).

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Boiler I

Visible Emissions Limitation : Visible Emissions Limitation 3

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions :		%
Exceptional Conditions :	100	%
Maximum Period of Excess Opacity Allowed :	1	min/hour

4. Method of Compliance :

DEP Method 9

5. Visible Emissions Comment :
100% Opacity allowed during soot blowing (4 six minute periods) and during load changing conditions (4 six minute periods, if the faciltiy has operational pacity monitors in place.

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Boiler 2

Visible Emissions Limitation : Visible Emissions Limitation 1

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions :	40	%
Exceptional Conditions :		%
Maximum Period of Excess Opacity Allowed :		min/hour

4. Method of Compliance :

EPA method 9

5. Visible Emissions Comment :
40% Opacity for Steady State.

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Boiler 2

Visible Emissions Limitation : Visible Emissions Limitation 2

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions :		%
Exceptional Conditions :	60	%
Maximum Period of Excess Opacity Allowed :	8	min/hour

4. Method of Compliance :

EPA Method 9

5. Visible Emissions Comment :
60% Opacity allowed during soot blowing (3 hours in 24 hours) and during load changing conditions (3 hours in 24 hours).

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Boiler 2

Visible Emissions Limitation : Visible Emissions Limitation 3

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions :		%
Exceptional Conditions :	100	%
Maximum Period of Excess Opacity Allowed :	1	min/hour

4. Method of Compliance :

EPA Method 9

5. Visible Emissions Comment :
- Soot-Blowing and Load changing for up to 4 six - min. periods of up to 100 % unit has an operational opacity CEM.

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 3
Boiler 3

Visible Emissions Limitation : Visible Emissions Limitation 1

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions :	40	%
Exceptional Conditions :		%
Maximum Period of Excess Opacity Allowed :		min/hour

4. Method of Compliance :

DEP Method 9.

5. Visible Emissions Comment :
40% Opacity for Steady State.

Compliance Test Frequency : 0 + Frequeney Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 3
Boiler 3

Visible Emissions Limitation : Visible Emissions Limitation 2

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions :		%
Exceptional Conditions :	60	%
Maximum Period of Excess Opacity Allowed :	8	min/hour

4. Method of Compliance :

EPA Method 9

5. Visible Emissions Comment :
60% Opacity for Soot-Blowing and Load Changing Conditions (3 hours in 24 hours).

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 3
Boiler 3

Visible Emissions Limitation : Visible Emissions Limitation 3

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions :		%
Exceptional Conditions :	100	%
Maximum Period of Excess Opacity Allowed :	1	min/hour

4. Method of Compliance :

DEP Method 9.

5. Visible Emissions Comment :
Soot-Blowing and Load Changing for 4 six - min. periods of up to 100% if unit has an operational opacity CEM.

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 4
Combustion Turbine A

Visible Emissions Limitation : Visible Emissions Limitation 1

1. Visible Emissions Subtype : 0 *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions :	5	%
Exceptional Conditions :		%
Maximum Period of Excess Opacity Allowed :		min/hour

4. Method of Compliance :

5. Visible Emissions Comment :
"Visible emissions shall not exceed 5% opacity while burning natural gas" Permit No.AO05-176351.

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 4
Combustion Turbine A

Visible Emissions Limitation : Visible Emissions Limitation 2

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions :	10	%
Exceptional Conditions :		%
Maximum Period of Excess Opacity Allowed :		min/hour

4. Method of Compliance :

5. Visible Emissions Comment :
"Visible emissions shall not exceed10% opacity while burning distillate oil" Permit No.AO05-176351.

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 5
Combustion Turbine B

Visible Emissions Limitation : Visible Emissions Limitation 1

1. Visible Emissions Subtype : 0 *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions :	5	%
Exceptional Conditions :		%
Maximum Period of Excess Opacity Allowed :		min/hour

4. Method of Compliance :

5. Visible Emissions Comment :
"Visible emissions shall not exceed 5% opacity while burning natural gas" Permit No.AO05-176351.

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 5
Combustion Turbine B

Visible Emissions Limitation : Visible Emissions Limitation 2

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions : 10 %
Exceptional Conditions : %
Maximum Period of Excess Opacity Allowed : min/hour

4. Method of Compliance :

5. Visible Emissions Comment :
"Visible emissions shall not exceed10% opacity while burning distillate oil" Permit No.AO05-176351.

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 6
Combustion Turbine C

Visible Emissions Limitation : Visible Emissions Limitation 1

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions : 20 %
Exceptional Conditions : %
Maximum Period of Excess Opacity Allowed : min/hour

4. Method of Compliance :

5. Visible Emissions Comment :
"Visible emissions shall never exceed 20 percent opacity and shall not exceed 10% during full load except as provided in Rule 17-210.700, F.A.C." Permit No. AO05-229084.

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 6
Combustion Turbine C

Visible Emissions Limitation : Visible Emissions Limitation 2

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions : 10 %
Exceptional Conditions : %
Maximum Period of Excess Opacity Allowed : min/hour

4. Method of Compliance :

5. Visible Emissions Comment :
"Visible emissions shall never exceed 20 percent opacity and shall not exceed 10% during full load except as provided in Rule 17-210.700,

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 7
Combustion Turbine D

Visible Emissions Limitation : Visible Emissions Limitation 1

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions : 20 %
Exceptional Conditions : %
Maximum Period of Excess Opacity Allowed : min/hour

4. Method of Compliance :

5. Visible Emissions Comment :
"Visible emissions shall never exceed 20 percent opacity and shall not exceed 10% during full load except as provided in Rule 17-210.700, F.A.C." Permit No. AO05-229084.

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 7
Combustion Turbine D

Visible Emissions Limitation : Visible Emissions Limitation 2

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions :	10	%
Exceptional Conditions :		%
Maximum Period of Excess Opacity Allowed :		min/hour

4. Method of Compliance :

5. Visible Emissions Comment :
"Visible emissions shall never exceed 20 percent opacity and shall not exceed 10% during full load except as provided in Rule 17-210.700,

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 8
Lime Storage Silo

Visible Emissions Limitation : Visible Emissions Limitation 1

1. Visible Emissions Subtype : *

2. Basis for Allowable Opacity : RULE *

3. Requested Allowable Opacity :

Normal Conditions :		%
Exceptional Conditions :	5	%
Maximum Period of Excess Opacity Allowed :		min/hour

4. Method of Compliance :
DEP Method 9

5. Visible Emissions Comment :
From permit No. AO05-229996 " The silo, hopper, and other conveying equipment, except the transfer point at which materials are loaded into trucks, shall be confined and controlled to the extent necessary to limit visible emissions to 5 percent opacity (Rule 17-296.414, F.A.C.)"

Compliance Test Frequency : 0 + Frequency Base Date : +

COM Required : +

Regulation : +*

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Boiler 1

Continuous Monitoring System Continuous Monitor 1

1. Parameter Code : VE *	2. Pollutant(s):
3. CMS Requirement OTHER	CMS Requirement Code : +
4. Monitor Information Manufacturer : Lear Siglar (Monitor Labs) Model Number LS 541 Serial Number A125	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Required by 40 CFR 75 Boiler 1 and Boiler 2 share common Opacity Monitor.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Boiler 1

Continuous Monitoring System Continuous Monitor 2

1. Parameter Code : CO2 *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Milton Roy (California Analytical) Model Number 3300 Serial Number N4J3520T	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Boiler 1 and Boiler 2 share common CO2 analyzer.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

Continuous Monitoring System Continuous Monitor 3

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : TECO NOx Analyzer Model Number 42 D Serial Number 50963-287	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Boiler 1 and Boiler 2 share common NOx analyzer.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Boiler 1

Continuous Monitoring System Continuous Monitor 4

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Schlumberger Model Number M100-84300 Serial Number KS2519	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Fuel Oil meter (main) for Appendix D SO2 emissions estimation. Required for 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Boiler 1

Continuous Monitoring System Continuous Monitor 5

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Schlumberger Model Number M100-84300 Serial Number KS2520	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Fuel Oil meter (recirc) for Appendix D SO2 emissions estimation. Required for 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Boiler 1

Continuous Monitoring System Continuous Monitor 6

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Daniel Model Number 2011-D Serial Number 94-030027	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Gas flow meter for Appendix D SO2 emissions estimation. Required for 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Boiler 1

Continuous Monitoring System Continuous Monitor 7

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Dell Model Number Serial Number	
5. Installation Date : 15-Apr-1996	
6. Performance Specification Test Date : 22-Jul-1996	
7. Continuous Monitor Comment : Computer used for calculating Appendix D emissions and data storage/retreival. Required by 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Boiler 2

Continuous Monitoring System Continuous Monitor 1

1. Parameter Code : VE *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Lear Siglar (Monitor Labs) Model Number LS 541 Serial Number A125	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Computer used for calculating Appendix D emissions and data storage/retreival. Required by 40 CFR 75.	
Performance Specification Test Status : + Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Boiler 2

Continuous Monitoring System Continuous Monitor 2

1. Parameter Code : CO2 *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Milton Roy (California Analytical) Model Number 3300 Serial Number N4J3520T	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Required by 40 CFR 75. Boiler 1 and Boiler 2 share common analyzer.	
Performance Specification Test Status : + Certification Date (DD-MON-YYYY) : +	

Continuous Monitoring System Continuous Monitor 3

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : TECO NOx Analyzer Model Number 42 D Serial Number 50963-287	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Required by 40 CFR 75. Boiler 1 and Boiler 2 share a common analyzer.	
Performance Specification Test Status : + Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Boiler 2

Continuous Monitoring System Continuous Monitor 4

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Schlumberger Model Number M200-84300 Serial Number KS2516	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Fuel Oil meter (main) for Appendix D SO2 emissions estimation. Required for 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Boiler 2

Continuous Monitoring System Continuous Monitor 5

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Schlumberger Model Number M200-84300 Serial Number KS2517	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Fuel Oil meter (recirc) for Appendix D SO2 emissions estimation. Required for 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Boiler 2

Continuous Monitoring System Continuous Monitor 6

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Daniel Model Number 2011-D Serial Number 94-030026	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Gas flow meter for Appendix D SO2 emissions estimation. Required for 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Boiler 2

Continuous Monitoring System Continuous Monitor 7

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Dell Model Number Serial Number	
5. Installation Date : 15-Apr-1996	
6. Performance Specification Test Date : . 22-Jul-1996	
7. Continuous Monitor Comment : Computer used for calculating Appendix D emissions.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

Continuous Monitoring System Continuous Monitor 1

1. Parameter Code : VE *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Lear Siglar (Monitor Labs) Model Number LS 54t Serial Number A123	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Required by 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 3
Boiler 3

Continuous Monitoring System Continuous Monitor 2

1. Parameter Code : CO2 *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Milton Roy (California Analytical) Model Number 3300 Serial Number N4J3525T	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Required by 40 CFR 75.	
Performance Specification Test Status : + Certification Date (DD-MON-YYYY) : +	

Continuous Monitoring System Continuous Monitor 3

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : TECO NOx Analyzer Model Number 42 D Serial Number 50962-287	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Required by 40 CFR 75.	
Performance Specification Test Status : + Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 3
Boiler 3

Continuous Monitoring System Continuous Monitor 4

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Micro Motion Model Number CFM399 Serial Number 171129	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Fuel Oil meter (main) for Appendix D SO2 emissions estimation. Required for 40 CFR 75.	
Performance Specification Test Status : + Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 3
Boiler 3

Continuous Monitoring System Continuous Monitor 5

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Micro Motion Model Number CFM300 Serial Number 144645	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Fuel Oil meter (recirc) for Appendix D SO2 emissions estimation. Required for 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 3
Boiler 3

Continuous Monitoring System Continuous Monitor 6

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Daniel Model Number 2011-D Serial Number 94-030028	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Gas flow meter for Appendix D SO2 emissions estimation. Required for 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 3
Boiler 3

Continuous Monitoring System Continuous Monitor 7

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Daniel Model Number 2011-D Serial Number 94-030025	
5. Installation Date : 01-Jan-1995	
6. Performance Specification Test Date : 01-Jan-1995	
7. Continuous Monitor Comment : Gas flow meter for Appendix D SO2 emissions estimation. Required for 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 3
Boiler 3

Continuous Monitoring System Continuous Monitor 8

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Dell Model Number Serial Number	
5. Installation Date : 15-Apr-1996	
6. Performance Specification Test Date : 22-Jul-1996	
7. Continuous Monitor Comment : Computer used for calculating Appendix D emissions and data storage/retreival. Required by 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 4
Combustion Turbine A

Continuous Monitoring System Continuous Monitor 1

1. Parameter Code : WTF *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Model Number Serial Number	
5. Installation Date : 01-Aug-1990	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment : Monitored by GE Control computer. Required by 40 CFR 60 Subpart GG.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 5
Combustion Turbine B

Continuous Monitoring System Continuous Monitor 1

1. Parameter Code : WTF *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Model Number Serial Number	
5. Installation Date : 01-Aug-1990	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment : Monitored by GE Control computer. Required by 40 CFR 6o Subpart GG.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 6
Combustion Turbine C

Continuous Monitoring System Continuous Monitor 1

1. Parameter Code : WTF *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Model Number Serial Number	
5. Installation Date :	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment : Monitored by WDPF control computer. Required by 40 CFR 60 Subpart GG.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 6
Combustion Turbine C

Continuous Monitoring System Continuous Monitor 2

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement	CMS Requirement Code : +
4. Monitor Information Manufacturer : Dell Model Number Serial Number	
5. Installation Date :	15-Apr-1996
6. Performance Specification Test Date :	22-Jul-1996
7. Continuous Monitor Comment : Computer used for calculating Appendix D, E and G emissions and data storage/retreival. Required by 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 7
Combustion Turbine D

Continuous Monitoring System Continuous Monitor 1

1. Parameter Code : WTF *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Model Number Serial Number	
5. Installation Date :	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment : Monitored by WDPF control computer. Required by 40 CFR 60 Supart GG.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 7
Combustion Turbine D

Continuous Monitoring System Continuous Monitor 2

1. Parameter Code : EM *	2. Pollutant(s):
3. CMS Requirement RULE	CMS Requirement Code : +
4. Monitor Information Manufacturer : Dell Model Number Serial Number	
5. Installation Date : 15-Apr-1996	
6. Performance Specification Test Date : 22-Jul-1996	
7. Continuous Monitor Comment : Computer used for calculating Appendix D, E and G emissions and data storage/retreival. Required by 40 CFR 75.	
Performance Specification Test Status : +	
Certification Date (DD-MON-YYYY) : +	

K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

Emissions Unit Information Section 1

Boiler 1

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

[ ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

2. Increment Consuming for Nitrogen Dioxide?

[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code :		
PM :	SO2 :	NO2 :
4. Baseline Emissions :		
PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year
5. PSD Comment :		

K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

Emissions Unit Information Section 2

Boiler 2

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

[ ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

2. Increment Consuming for Nitrogen Dioxide?

[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code :		
PM :	SO2 :	NO2 :
4. Baseline Emissions :		
PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year
5. PSD Comment :		

K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

Emissions Unit Information Section 3

Boiler 3

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

[ ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

2. Increment Consuming for Nitrogen Dioxide?

[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code :		
PM :	SO2 :	NO2 :
4. Baseline Emissions :		
PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year
5. PSD Comment :		

K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

Emissions Unit Information Section 4

Combustion Turbine A

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

[ ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

2. Increment Consuming for Nitrogen Dioxide?

[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code :		
PM :	SO2 :	NO2 :
4. Baseline Emissions :		
PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year
5. PSD Comment :		

K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

Emissions Unit Information Section 5

Combustion Turbine B

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

[ ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

2. Increment Consuming for Nitrogen Dioxide?

[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code :		
PM :	SO2 :	NO2 :
4. Baseline Emissions :		
PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year
5. PSD Comment :		

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 1

Boiler 1

Supplemental Requirements for All Applications

1. Process Flow Diagram :	Figure 3
2. Fuel Analysis or Specification :	Appendix F
3. Detailed Description of Control Equipment :	NA
4. Description of Stack Sampling Facilities :	Figure 3
5. Compliance Test Report :	Appendix G
6. Procedures for Startup and Shutdown :	Appendix H
7. Operation and Maintenance Plan :	Appendix H
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operations :	Appendix C
11. Alterntive Modes of Operation (Emissions Trading) :	NA

12. Identification of Additional Applicable Requirements :	Appendix K
13. Compliance Assurance Monitoring Plan :	NA
14. Acid Rain Application (Hard-copy Required) :	
Appendix I	Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
	Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
	New Unit Exemption (Form No. 62-210.900(1)(a)2.)
	Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)

Supplemental Info

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 2

Boiler 2

Supplemental Requirements for All Applications

1. Process Flow Diagram :	Figure 4
2. Fuel Analysis or Specification :	Appendix F
3. Detailed Description of Control Equipment :	NA
4. Description of Stack Sampling Facilities :	Figure 4
5. Compliance Test Report :	Appendix G
6. Procedures for Startup and Shutdown :	Appendix H
7. Operation and Maintenance Plan :	Appendix H
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operations :	Appendix C
11. Alterntive Modes of Operation (Emissions Trading) :	NA

12. Identification of Additional Applicable Requirements :	Appendix K
13. Compliance Assurance Monitoring Plan :	NA

14. Acid Rain Application (Hard-copy Required) :

Appendix I	Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
	Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
	New Unit Exemption (Form No. 62-210.900(1)(a)2.)
	Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 3

Boiler 3

Supplemental Requirements for All Applications

1. Process Flow Diagram :	Figure 5
2. Fuel Analysis or Specification :	Appendix F
3. Detailed Description of Control Equipment :	NA
4. Description of Stack Sampling Facilities :	Figure 5
5. Compliance Test Report :	Appendix G
6. Procedures for Startup and Shutdown :	Appendix H
7. Operation and Maintenance Plan :	Appendix H
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operations :	Appendix C
11. Alterntive Modes of Operation (Emissions Trading) :	NA

12. Identification of Additional Applicable Requirements :	Appendix K
13. Compliance Assurance Monitoring Plan :	NA

14. Acid Rain Application (Hard-copy Required) :

Appendix I	Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
	Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
	New Unit Exemption (Form No. 62-210.900(1)(a)2.)
	Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 4

Combustion Turbine A

Supplemental Requirements for All Applications

1. Process Flow Diagram :	Figure 6
2. Fuel Analysis or Specification :	Appendix F
3. Detailed Description of Control Equipment :	Appendix J
4. Description of Stack Sampling Facilities :	Figure 6
5. Compliance Test Report :	Appendix G
6. Procedures for Startup and Shutdown :	Appendix H
7. Operation and Maintenance Plan :	Appendix H
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operations :	Appendix C
11. Alterntive Modes of Operation (Emissions Trading) :	NA

12. Identification of Additional Applicable Requirements :	Appendix K
13. Compliance Assurance Monitoring Plan :	NA

14. Acid Rain Application (Hard-copy Required) :

NA	Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
NA	Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
NA	New Unit Exemption (Form No. 62-210.900(1)(a)2.)
NA	Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 5

Combustion Turbine B

Supplemental Requirements for All Applications

1. Process Flow Diagram :	Figure 7
2. Fuel Analysis or Specification :	Appendix F
3. Detailed Description of Control Equipment :	Appendix J
4. Description of Stack Sampling Facilities :	Figure 7
5. Compliance Test Report :	Appendix G
6. Procedures for Startup and Shutdown :	Appendix H
7. Operation and Maintenance Plan :	Appendix H
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operations :	Appendix C
11. Alterntive Modes of Operation (Emissions Trading) :	NA

12. Identification of Additional Applicable Requirements :	NA
13. Compliance Assurance Monitoring Plan :	NA

14. Acid Rain Application (Hard-copy Required) :

NA	Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
NA	Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
NA	New Unit Exemption (Form No. 62-210.900(1)(a)2.)
NA	Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 6

Combustion Turbine C

Supplemental Requirements for All Applications

1. Process Flow Diagram :	Figure 8
2. Fuel Analysis or Specification :	Appendix F
3. Detailed Description of Control Equipment :	Appendix J
4. Description of Stack Sampling Facilities :	Figure 8
5. Compliance Test Report :	Appendix G
6. Procedures for Startup and Shutdown :	Appendix H
7. Operation and Maintenance Plan :	Appendix H
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operations :	Appendix C
11. Alterntive Modes of Operation (Emissions Trading) :	NA

12. Identification of Additional Applicable Requirements :	Appendix K
13. Compliance Assurance Monitoring Plan :	NA

14. Acid Rain Application (Hard-copy Required) :

Appendix I	Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
	Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
	New Unit Exemption (Form No. 62-210.900(1)(a)2.)
	Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 7

Combustion Turbine D

Supplemental Requirements for All Applications

1. Process Flow Diagram :	Figure 9
2. Fuel Analysis or Specification :	Appendix F
3. Detailed Description of Control Equipment :	Appendix J
4. Description of Stack Sampling Facilities :	Figure 9
5. Compliance Test Report :	Appendix G
6. Procedures for Startup and Shutdown :	Appendix H
7. Operation and Maintenance Plan :	Appendix H
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operations :	Appendix C
11. Alterntive Modes of Operation (Emissions Trading) :	NA

12. Identification of Additional Applicable Requirements :	Appendix K
13. Compliance Assurance Monitoring Plan :	
14. Acid Rain Application (Hard-copy Required) :	
Appendix I	Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
	Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
	New Unit Exemption (Form No. 62-210.900(1)(a)2.)
	Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 8

Lime Storage Silo

Supplemental Requirements for All Applications

1. Process Flow Diagram :	Figure 10
2. Fuel Analysis or Specification :	NA
3. Detailed Description of Control Equipment :	Appendix J
4. Description of Stack Sampling Facilities :	NA
5. Compliance Test Report :	Appendix G
6. Procedures for Startup and Shutdown :	Appendix H
7. Operation and Maintenance Plan :	Appendix H
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operations :	Appendix C
11. Alterntive Modes of Operation (Emissions Trading) :	NA