

**REGULATORY & ENVIRONMENTAL  
SERVICES DEPARTMENT**  
Air & Water Quality Division



January 31, 1997

Mr. Al Linero, P.E.  
Department of Environmental Protection  
Division of Air Resources Management  
MS 5500  
2600 Blair Stone Rd.  
Tallahassee, FL 32399

Re: Duval County-Air Pollution  
Amerada Hess Corporation  
Bulk Fuel Terminal  
Boiler fired with No. 6 Fuel Oil

Dear Mr. Linero:

Amerada Hess Corporation has applied for a construction permit for their Bulk Fuel Terminal located in Jacksonville, FL. One of the emission units at the terminal is a 17 million Btu per hour boiler fired by No. 6 fuel oil. The boiler provides heat to No. 6 fuel oil product for pumping purposes. The boiler requires a Best Available Control Technology (BACT) determination in accordance with Rule 62-296.406, FAC. The portion of the application regarding the boiler is being forwarded to your office for processing of the BACT determination.

The Amerada Hess Corporation contact for this application is Mr. Mike Clowers, who may be reached at (908) 750-7069

If I can provide further assistance in this matter, please contact me at Suncom 986-3484 or (904) 630-3484.

Very truly yours

A handwritten signature in black ink that reads "Jerry E. Woosley".

Jerry E. Woosley  
Associate Pollution Control Engineer

enc.

c Mike Clowers, Amerada Hess  
AWQD Permitting file  
AWQD File 1020 A

S:\PERMITN\180001AC.BCT

cc: M. Costello

**RECEIVED**

FEB 04 1997

BUREAU OF  
AIR REGULATION



421 West Church Street - Suite 422  
Jacksonville, Florida 32202-4111

Air Quality 630-3484  
Water Quality 630-3461  
Ground Water 630-4900  
Hazardous Materials 630-3404

## BOILER EMISSION CALCULATIONS

AMERADA HESS CORPORATION -

revised 12/31/96

Boiler ID#	Throughput (10 <sup>3</sup> gal/yr)	Fuel Type	PM <sup>b</sup>		SO <sub>2</sub>		CO		NO <sub>x</sub> <sup>e</sup>		VOC (non methane)	
			(lb/10 <sup>3</sup> gal)	(lb/yr)	(lb/10 <sup>3</sup> gal)	(lb/yr)	(lb/10 <sup>3</sup> gal)	(lb/yr)	(lb/10 <sup>3</sup> gal)	(lb/yr)	(lb/10 <sup>3</sup> gal)	(lb/yr)
B.R.	120.000	# 6 oil - 2.3 % sulfur	24.4	2,928.00	361.1	43,332.00	5	600.00	55	6,600.00	0.28	33.60
				0.00		0.00		0.00		0.00		0.00
				0.00		0.00		0.00		0.00		0.00
				0.00		0.00		0.00		0.00		0.00
				0.00		0.00		0.00		0.00		0.00
<b>Total Thruput</b>	<b>120.000</b>		<b>Total (lb/yr)</b>	<b>2,928.00</b>	<b>Total (lb/yr)</b>	<b>43,332.00</b>	<b>Total (lb/yr)</b>	<b>600.00</b>	<b>Total (lb/yr)</b>	<b>6,600.00</b>	<b>Total (lb/yr)</b>	<b>33.60</b>
			<b>Total (ton/yr)</b>	<b>1.46</b>	<b>Total (ton/yr)</b>	<b>21.67</b>	<b>Total (ton/yr)</b>	<b>0.30</b>	<b>Total (ton/yr)</b>	<b>3.30</b>	<b>Total (ton/yr)</b>	<b>0.02</b>

FUEL OIL MAX SULFUR CONTENT IS 2.3%

### EMISSION FACTOR DETERMINATION

From AP-42, Table 1.3-1 Uncontrolled emission factors for fuel oil combustion emission factor rating: A

Boiler Type <sup>a</sup>	PM <sup>b</sup> (lb/10 <sup>3</sup> gal)	SO <sub>2</sub> (lb/10 <sup>3</sup> gal)	CO (lb/10 <sup>3</sup> gal)	NO <sub>x</sub> (lb/10 <sup>3</sup> gal)	VOC (lb/10 <sup>3</sup> gal)
					(non methane)
Commercial Residual Oil	g	157S	5	55	0.28

- a Commercial Boilers:  $0.5 \times 10^9$  to  $106 \times 10^9$  J/hr ( $10 \times 10^6$  to  $100 \times 10^6$  Btu/hr)
- b Particulate matter is defined in this section as that material collected by EPA Method 5 (front half catch).
- e Expressed as NO<sub>2</sub>. References 1-5, 8-11, 17 and 26. Test results indicate that a least 95% by weight of NO<sub>x</sub> is NO for all boiler types except residential furnaces, where about 75% is NO.
- g Particulate emission factors for residual oil combustion are, on average, a function of fuel oil grade and sulfur content:  
Grade 6 oil:  $[(9.19(S) + 3.22) \text{ lb/10}^3 \text{ gal}]$  where S is the weight % of sulfur in the oil.

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

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: <b>B.R.</b>	
2. Emission Point Type Code: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  <b>Cleaver Brooks oil-fired boiler.</b>	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:  <b>NA</b>	
5. Discharge Type Code: <input type="checkbox"/> D <input type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input checked="" type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height:	<b>40 feet</b>
7. Exit Diameter:	<b>1.5 feet</b>
8. Exit Temperature:	<b>300 °F</b>

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

##### 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.

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

**Emissions Unit Description and Status**

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): <b>Cleaver Brooks 400 HP boiler, oil-fired.</b>		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [X] Unknown		
3. Emissions Unit Status Code: <b>A</b>	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: <b>5171</b>
6. Emissions Unit Comment (limit to 500 characters): <b>Permit modification request to limit fuel oil burning.</b>		

**Emissions Unit Control Equipment**

**A.**

1. Description (limit to 200 characters): <b>NONE</b>
2. Control Device or Method Code:

**B.**

1. Description (limit to 200 characters): NA
2. Control Device or Method Code: NA

**C.**

1. Description (limit to 200 characters): NA
2. Control Device or Method Code: NA

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

**Emissions Unit Details**

1. Initial Startup Date: NA		
2. Long-term Reserve Shutdown Date: NA		
3. Package Unit: NA		
Manufacturer:	Model Number:	
4. Generator Nameplate Rating: NA	MW	
5. Incinerator Information: NA		
Dwell Temperature:	°F	
Dwell Time:	seconds	
Incinerator Afterburner Temperature:	°F	

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate: 400 HP = 17 mmBtu/hr	mmBtu/hr
2. Maximum Incineration Rate: NA lb/hr	tons/day
3. Maximum Process or Throughput Rate:	
4. Maximum Production Rate: NA	
5. Operating Capacity Comment (limit to 200 characters):	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:	
24 hours/day	7 days/week
52 weeks/year	8760 hours/year

**D. EMISSIONS UNIT REGULATIONS  
(Regulated Emissions Units Only)**

**Rule Applicability Analysis** (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

**See Page 11.**





9. Actual Volumetric Flow Rate:	4,000 acfm
10. Percent Water Vapor :	NA %
11. Maximum Dry Standard Flow Rate:	NA dscfm
12. Nonstack Emission Point Height:	NA feet
13. Emission Point UTM Coordinates: Zone:                      East (km):                      North (km):	
14. Emission Point Comment (limit to 200 characters):	

**F. SEGMENT (PROCESS/FUEL) INFORMATION  
(Regulated and Unregulated Emissions Units)**

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

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):  <b>400 HP oil-fired boiler</b>	
2. Source Classification Code (SCC): <b>Unknown</b>	
3. SCC Units: <b>Unknown</b>	
4. Maximum Hourly Rate: <b>NA</b>	5. Maximum Annual Rate: <b>NA</b>
6. Estimated Annual Activity Factor: <b>NA</b>	
7. Maximum Percent Sulfur: <b>2.3</b>	8. Maximum Percent Ash: <b>NA</b>
9. Million Btu per SCC Unit: <b>NA</b>	
10. Segment Comment (limit to 200 characters):	

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
VOC	NONE		EL
PM	NONE		EL
SO <sub>2</sub>	NONE		EL
CO	NONE		EL
NO <sub>x</sub>	NONE		EL

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

**Pollutant Detail Information:**

1. Pollutant Emitted: <b>PM</b>	
2. Total Percent Efficiency of Control:	<b>NA</b> %
3. Potential Emissions:	<b>2.92 lb/hour</b> <b>12.78 tons/year</b>
4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive/Other Emissions: See Item 3. <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3                      _____ to _____ tons/year	
6. Emission Factor: <b>24.4 lb/1000 gallons burned</b> Reference: <b>AP-42, Table 1.3-1</b>	
7. Emissions Method Code: <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5	
8. Calculation of Emissions (limit to 600 characters):  <p style="text-align: center;"><b>See attached calculations.</b></p>	
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):  <p style="text-align: center;"><b>FUEL OIL LIMITED TO 120,000 GALLONS PER YEAR.</b></p>	

**Allowable Emissions** (Pollutant identified on front of page) *PM*

**A.**

1. Basis for Allowable Emissions Code: <b>ESCTV &amp; ESCTIII</b>
2. Future Effective Date of Allowable Emissions: <b>Immediate</b>
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: <b>2.92 lb/hour</b> <b>1.46 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Fuel consumption records</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

**B.**

1. Basis for Allowable Emissions Code: <b>NA</b>
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: <b>lb/hr</b> <b>tons/year</b>
5. Method of Compliance (limit to 60 characters):
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

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

**Pollutant Detail Information:**

1. Pollutant Emitted: <b>SO2</b>		
2. Total Percent Efficiency of Control:	<b>NA %</b>	
3. Potential Emissions:	<b>43.15 lb/hour</b>	<b>189.0 tons/year</b>
4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Range of Estimated Fugitive/Other Emissions: See Item 3. <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
6. Emission Factor: <b>361.1 lb/1000 gallons burned</b> Reference: AP-42, Table 1.3-1		
7. Emissions Method Code: <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
8. Calculation of Emissions (limit to 600 characters):  <p style="text-align: center;"><b>See attached calculations.</b></p>		
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):  <p><b>FUEL OIL LIMITED TO 120,000 GALLONS PER YEAR.</b></p>		

**Allowable Emissions** (Pollutant identified on front of page) **SO<sub>2</sub>**

**A.**

1. Basis for Allowable Emissions Code: <b>ESCTV &amp; ESCTIII</b>
2. Future Effective Date of Allowable Emissions: <b>Immediate</b>
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: <b>43.15 lb/hour</b> <b>21.67 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Fuel consumption records</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

**B.**

1. Basis for Allowable Emissions Code: <b>NA</b>
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: <b>lb/hr</b> <b>tons/year</b>
5. Method of Compliance (limit to 60 characters):
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):



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

**Pollutant Detail Information:**

1. Pollutant Emitted: <b>CO</b>		
2. Total Percent Efficiency of Control:		<b>NA %</b>
3. Potential Emissions:	<b>0.60 lb/hour</b>	<b>2.62 tons/year</b>
4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Range of Estimated Fugitive/Other Emissions: See Item 3. <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
6. Emission Factor: <b>5 lb/1000 gallons burned</b> Reference: <b>AP-42, Table 1.3-1</b>		
7. Emissions Method Code: <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
8. Calculation of Emissions (limit to 600 characters):  <p style="text-align: center;"><b>See attached calculations.</b></p>		
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):  <p><b>FUEL OIL LIMITED TO 120,000 GALLONS PER YEAR.</b></p>		

**Allowable Emissions** (Pollutant identified on front of page) **CO**

**A.**

1. Basis for Allowable Emissions Code: <b>ESCTV &amp; ESCTIII</b>
2. Future Effective Date of Allowable Emissions: <b>Immediate</b>
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: <b>0.60 lb/hour</b> <b>0.30 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Fuel consumption records</b>
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

**B.**

1. Basis for Allowable Emissions Code: <b>NA</b>
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: <b>lb/hr</b> <b>tons/year</b>
5. Method of Compliance (limit to 60 characters):
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

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

**Pollutant Detail Information:**

1. Pollutant Emitted: <b>NOx</b>	
2. Total Percent Efficiency of Control:	<b>NA %</b>
3. Potential Emissions:	<b>6.58 lb/hour                      28.79 tons/year</b>
4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive/Other Emissions: See Item 3. <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3                      _____ to _____ tons/year	
6. Emission Factor: <b>55 lb/1000 gallons burned</b> Reference: <b>AP-42, Table 1.3-1</b>	
7. Emissions Method Code: <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5	
8. Calculation of Emissions (limit to 600 characters):  <p><b>See attached calculations.</b></p>	
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):  <p><b>FUEL OIL LIMITED TO 120,000 GALLONS PER YEAR.</b></p>	

**Allowable Emissions** (Pollutant identified on front of page) *NO<sub>x</sub>*

**A.**

1. Basis for Allowable Emissions Code: <b>ESCTV &amp; ESCTIII</b>		
2. Future Effective Date of Allowable Emissions: <b>Immediate</b>		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	<b>6.58 lb/hour</b>	<b>3.30 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Fuel consumption records</b>		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):		

**B.**

1. Basis for Allowable Emissions Code: <b>NA</b>		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	<b>lb/hr</b>	<b>tons/year</b>
5. Method of Compliance (limit to 60 characters):		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):		

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

**Pollutant Detail Information:**

1. Pollutant Emitted: <b>VOC</b>		
2. Total Percent Efficiency of Control:	<b>NA</b>	<b>%</b>
3. Potential Emissions:	<b>0.04 lb/hour</b>	<b>0.15 tons/year</b>
4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Range of Estimated Fugitive/Other Emissions: See Item 3. <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3      _____ to _____ tons/year		
6. Emission Factor: <b>0.28 lb/1000 gallons burned</b> Reference: AP-42, Table 1.3-1		
7. Emissions Method Code: <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
8. Calculation of Emissions (limit to 600 characters):  <p align="center"><b>See attached calculations.</b></p>		
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):  <p align="center"><b>FUEL OIL LIMITED TO 120,000 GALLONS PER YEAR.</b></p>		

**Allowable Emissions** (Pollutant identified on front of page) **VOC**

**A.**

1. Basis for Allowable Emissions Code: <b>ESCTV &amp; ESCTIII</b>		
2. Future Effective Date of Allowable Emissions: <b>Immediate</b>		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	<b>0.04 lb/hour</b>	<b>0.02 tons/year</b>
5. Method of Compliance (limit to 60 characters): <b>Fuel consumption records</b>		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):		

**B.**

1. Basis for Allowable Emissions Code: <b>NA</b>		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	<b>lb/hr</b>	<b>tons/year</b>
5. Method of Compliance (limit to 60 characters):		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):		

**I. VISIBLE EMISSIONS INFORMATION  
(Regulated Emissions Units Only)**

**Visible Emissions Limitation:** Visible Emissions Limitation \_\_\_\_\_ of \_\_\_\_\_ **NA**

1. Visible Emissions Subtype:			
2. Basis for Allowable Opacity:		[ ] Rule	[ ] Other
3. Requested Allowable Opacity:			
Normal Conditions:	%	Exceptional Conditions:	%
Maximum Period of Excess Opacity Allowed:			min/hour
4. Method of Compliance:			
5. Visible Emissions Comment (limit to 200 characters):			

**Visible Emissions Limitation:** Visible Emissions Limitation \_\_\_\_\_ of \_\_\_\_\_ **NA**

1. Visible Emissions Subtype:			
2. Basis for Allowable Opacity:		[ ] Rule	[ ] Other
3. Requested Allowable Opacity:			
Normal Conditions:	%	Exceptional Conditions:	%
Maximum Period of Excess Opacity Allowed:			min/hour
4. Method of Compliance:			
5. Visible Emissions Comment (limit to 200 characters):			

**J. CONTINUOUS MONITOR INFORMATION  
(Regulated Emissions Units Only)**

**Continuous Monitoring System:** Continuous Monitor \_\_\_\_\_ of \_\_\_\_\_ **NA**

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

**Continuous Monitoring System:** Continuous Monitor \_\_\_\_\_ of \_\_\_\_\_ **NA**

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	



**K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT  
TRACKING INFORMATION  
(Regulated and Unregulated Emissions Units)**

**PSD Increment Consumption Determination**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?      NA

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

- ] 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.
- ] 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? **NA**

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

- ] 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.
- ] 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.

3. Increment Consuming/Expanding Code:			
PM	<input type="checkbox"/> ] C	<input type="checkbox"/> ] E	<input type="checkbox"/> ] Unknown
SO2	<input type="checkbox"/> ] C	<input type="checkbox"/> ] E	<input type="checkbox"/> ] Unknown
NO2	<input type="checkbox"/> ] C	<input type="checkbox"/> ] E	<input type="checkbox"/> ] Unknown
4. Baseline Emissions:			
PM	lb/hour		tons/year
SO2	lb/hour		tons/year
NO2			tons/year
5. PSD Comment (limit to 200 characters):			

**L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION  
(Regulated Emissions Units Only)**

**Supplemental Requirements for All Applications**

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____  <input type="checkbox"/> Previously submitted, Date: _____  <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Compliance Assurance Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Acid Rain Application (Hard-copy Required)  <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  <input checked="" type="checkbox"/> Not Applicable