BEST AVAILABLE COPY



GULF COAST RECYCLING, INC.

1901 NORTH 66th STREET • TAMPA, FLORIDA 33619 PHONE: (813) 626-6151 FAX: (813) 622-8388

March 5, 2002

Alice H. Harman, P.E., Chief Air Permitting Section Environmental Protection Commission of Hillsborough County 1410 n. 21st Street Tampa, Florida 33605 17 1 0 5 2022

EFC of HC AIR MANAGEMENT

Dear Ms. Harman:

Enclosed are four copies of the amended Title V permit application for Gulf Coast Recycling, Inc. (GCR). The applications include changes made to the facility with regard to the construction of the new refining area, Permit # 050057-010-AC, to eliminate all references to the agglomeration furnace, which no longer is in service, and to eliminate the strict limits on the amount of materials charged to the blast furnace and refining kettles.

As explained in the letter dated June 27, 2001 to Jerry Campbell and subsequent meetings with EPC staff, the condition of the furnace, not the hourly feed rate, has a greater bearing on the amount of lead produced, hence it is more appropriate to limit production.

As discussed in detail at the October 11, 2001 meeting; the amount of material charged to a refining kettle depends on the type of lead being produced, the amount of impurities in the lead initially charged to the kettle, the ease with which these impurities are removed, the amount of drosses removed, temperature and numerous other factors.

GCR is not requesting any changes at this time to the furnace production limit of 26,500 tons of blast/year or the refining production limit of 32,000 tons of finished lead/year.

Please do not hesitate to contact me if you have any questions or need additional information.

Sincerely,

GULF COAST RECYCLING, INC.

* Withdrawn*

PRECEIVED

Joyce Morales-Caramella

Environmental & Health Manager

MAR 18 2002

BUREAU OF AIR REGULATION

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Department of Environmental Protection

COPY

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - TITLE V SOURCER 9 5 2002

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

I. APPLICATION INFORMATION

EPC of HC AIR MANAGEMENT

<u>Id</u>	entification of Facility	•	•	
1.	Facility Owner/Company Name: Gulf Coast Recycling, Inc.			
2.	Site Name: Gulf Coast Recycling, Inc.	-		
3.	Facility Identification Number: ()570057		[] Unknown
4.	Facility Location: Street Address or Other Locator: 1			
	City: Tampa	County: H	illsborough	Zip Code: 33619
5.	Relocatable Facility? [] Yes [X] No		6. Existing Perrol [X] Yes	nitted Facility? []No
A	oplication Contact			
1.	Name and Title of Application Co	ntact: Ms	. Joyce Morales-C	Caramella
2.	Application Contact Mailing Addr Organization/Firm: Gulf Coast Re Street Address: 1901 North 66 th S	cycling, Ir	nc	
	City: Tampa	Sta	ite: FL	Zip Code: 33619
3.	Application Contact Telephone Nu	ımbers:		
	Telephone: (813) 626 - 6151		Fax: (813)	622 - 8388
A	oplication Processing Information	(DEP Us	<u>se)</u>	
1.	Date of Receipt of Application:			
2.	Permit Number:			
3.	PSD Number (if applicable):			
4.	Siting Number (if applicable):		*	
		_	2	

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MAR 18 2002

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DEP Form No. 62-210.900(1) – Form 7.0\download\GCRTitleVapp_rev2.doc Effective: 2/11/99

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Purpose of Application

Air Operation Permit Application

This	s Application for Air Permit is submitted to obtain: (Check one)
	Initial Title V air operation permit for an existing facility which is classified as a Title V source.
[]	Initial Title V air operation permit for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.
	Current construction permit number:
[X]	Title V air operation permit revision to address one or more newly constructed or modified emissions units addressed in this application.
	Current construction permit number: 0570057-010-AC
	Operation permit number to be revised:0570057-006-AV
[]	Title V air operation permit revision or administrative correction to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. (Also check Air Construction Permit Application below.)
	Operation permit number to be revised/corrected:
[] Title V air operation permit revision for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.
	Operation permit number to be revised:
	Reason for revision:
Air	Construction Permit Application
This	s Application for Air Permit is submitted to obtain: (Check one)
[]	Air construction permit to construct or modify one or more emissions units.
	Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
[]	Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative or Responsible Official

1.	Name and	d Title of C)wner/Authoriz	zed Repres	sentative	or Respo	nsible	Official:

Mr. Carlos Agüero

President

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

Organization/Firm: Gulf Coast Recycling, Inc.

Street Address: 1901 North 66th Street

City: Tampa

State: FL

Zip Code: 33619

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

Telephone: (813) 626-6151

Fax: (813) 622-8388

4. Owner/Authorized Representative or Responsible Official Statement:

I, the undersigned, am the owner or authorized representative*(check here [], if so) or the responsible official (check here [X], if so) of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.

Signature

Date

Professional Engineer Certification

1. Professional Engineer Name: Billy R. Nichols

Registration Number: 55745

City: Franklin

2. Professional Engineer Mailing Address:

Organization/Firm: URS Corporation

Street Address: 263 Seaboard Lane, Suite 200

3. Professional Engineer Telephone Numbers:

Telephone: (615) 771 - 2480 Fax: (615) 771 - 2459

Zip Code: 37067

State: TN

^{*} Attach letter of authorization if not currently on file.

4. Professional Engineer Statement:

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

- (1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and
- (2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

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

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

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

Signature

* Attach any exception to certification statement

DEP Form No. 62200 90061) Form Effective: 2/11/99

Scope of Application

Description of Emissions Unit	Permit Type	Processing Fee
		N/A
Diast Furnace		IN/A
Furnace Charging, Furnace Tapping		N/A_
Soda Ash Silo	_	N/A
Facility Grounds and Miscellaneous Operations		N/A
Four Refining Kettles		N/A
	-	
	Soda Ash Silo Facility Grounds and Miscellaneous Operations	Description of Emissions Unit Type Blast Furnace Furnace Charging, Furnace Tapping Soda Ash Silo Facility Grounds and Miscellaneous Operations

Application Processing Fee

Check one: [] Attached - Amount: \$	[X]] Not Applicable
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Construction/Modification Information
1. Description of Proposed Project or Alterations:
2. Projected or Actual Date of Commencement of Construction:
3. Projected Date of Completion of Construction:
Application Comment
The purpose of this application is to revise Title V permit to include recently permitted refining kettles, removal of the agglomeration furnace and minor administrative changes.

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II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

	Facility UTM Coordinates:				
	Zone: 17	East (km):	364.0 Nor	th (km): 3093.5	
2.	Facility Latitude/Lo	ongitude:			
	Latitude (DD/MM/S	SS):	Longitude (DD/MM/SS):		
3.	Governmental	4. Facility Status	5. Facility Major	6. Facility SIC(s):	
	Facility Code:	Code:	Group SIC Code:	· , ·	
	0	A	33	3341	
7.	Facility Comment (limit to 500 characters):			

Facility Contact

2. Facility Contact Mailing Address:

Organization/Firm: Gulf Coast Recycling, Inc.

Street Address: 1901 North 66th Street

City: Tampa State: FL

3. Facility Contact Telephone Numbers:

Telephone: (813) 626 - 6151

Fax: (813) 622 - 8388

Zip Code: 33619

Effective: 2/11/99

Facility Regulatory Classifications

Check all that apply:

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

List of Applicable Regulations

40 CFR 63 Subparts A & X	62-213 Major Source Op Permits
62-212.300 F.A.C.	62-297 Emissions Monitoring
62-296.601 & 62-296.603 F.A.C.	DEP Core List
62-296.700 F.A.C.	
40 CFR 60.122(a)	
62-296.800 F.A.C.	·
62-4.070(3) F.A.C.	
62-204 F.A.C. General Provisions	
62-210 F.A.C. Stationary Sources – General Requirements	
62-212 Stationary Sources – Preconstruction Review	

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant	2. Pollutant	3. Requested En	missions Cap	4. Basis for	5. Pollutant
Emitted	Classif.	lb/hour	tons/year	Emissions Cap	Comment
		10,110 41	tons, y car	Cup	
PM	В		20.3	ESCPSD	
SO ₂	Α		1015.0	ESCPSD	
NO _x	В				
СО	 A		1400.0	ESCPSD	
VOC(THC)	A		116.0	ESCPSD	THC, as propane
Lead	В		2.0	ESCPSD	
-					

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

	Area Map Showing Facility Location: [] Attached, Document ID: [] Not Applicable [*] Waiver Requested
2.	Facility Plot Plan: [] Attached, Document ID: [] Not Applicable [*] Waiver Requested
3.	Process Flow Diagram(s): [B] Attached, Document ID: [] Not Applicable [] Waiver Requested
4.	Precautions to Prevent Emissions of Unconfined Particulate Matter: [] Attached, Document ID: [] Not Applicable [X] Waiver Requested
5.	Fugitive Emissions Identification: [] Attached, Document ID:[] Not Applicable [*] Waiver Requested
6.	Supplemental Information for Construction Permit Application: [] Attached, Document ID: [X] Not Applicable
7.	Supplemental Requirements Comment:
*	Data submitted with construction permit application .

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Additional Supplemental Requirements for Title V Air Operation Permit Applications

8. List of Proposed Insignificant Activities:
[X] Attached, Document ID: A Not Applicable
9. List of Equipment/Activities Regulated under Title VI:
[] Attached, Document ID:
[] Equipment/Activities On site but Not Required to be Individually Listed
[X] Not Applicable
10. Alternative Methods of Operation:
[] Attached, Document ID: [X] Not Applicable
11. Alternative Modes of Operation (Emissions Trading):
[] Attached, Document ID: [X] Not Applicable
12. Identification of Additional Applicable Requirements:
[] Attached, Document ID: [X] Not Applicable
13. Risk Management Plan Verification:
[] Plan previously submitted to Chemical Emergency Preparedness and Prevention
Office (CEPPO). Verification of submittal attached (Document ID:) or
previously submitted to DEP (Date and DEP Office:)
[] Plan to be submitted to CEPPO (Date required:)
[X] Not Applicable
14. Compliance Report and Plan:
[X] Attached, Document ID: C [] Not Applicable
15. Compliance Certification (Hard-copy Required):
[X] Attached, Document ID: <u>C</u> [] Not Applicable

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	Emissions	Unit Information	Section	1	of	5	
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III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION (All Emissions Units)

Emissions Unit Description and Status

1.	1. Type of Emissions Unit Addressed in This Section: (Check one)				
[This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).				
[2	[X] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.				
[-		n addresses, as a single emiss s which produce fugitive em	•	
2.	Regulated or Unr	egulated Emissions Unit	? (Check one)		
[]	X] The emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is a regulated	
[[] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.				
3.	3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):				
	Blast Furnace				
4.	4. Emissions Unit Identification Number: [] No ID ID: 001 [] ID Unknown				
5.	Emissions Unit Status Code: A	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 33	8. Acid Rain Unit?	
9.	9. Emissions Unit Comment: (Limit to 500 Characters)				

Emissions Unit Information Section	ion 1	of	5
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Emissions Unit Control Equipment

•	
Afterburner controlling emissions from the Blast Furnace.	The afterburner is a refractory

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

Afterburner controlling emissions from the Blast Furnace. The afterburner is a refracte lined chamber with a gross heat input of 9.6×10^6 Btu/hr.

2. Control Device or Method Code(s): 021

Emissions Unit Details

1.	Package Unit:	
	Manufacturer: Gulf Coast Recycling	Model Number:
2.	Generator Nameplate Rating: N/A	MW
3.	Incinerator Information:	
Dwell Temperature:		unknown °F
	Dwell Time: ~ 2 seconds	
Incinerator Afterburner Temperature: ~ 1450 °F		~ 1450 °F

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Emissions Unit Information Section 1 of 5

l Equipment

	<u> Подпримене</u>
1.	Control Equipment/Method Description (Limit to 200 characters per device or method):
	A baghouse is used to control PM and lead emissions from the Blast Furnace. The baghouse is a 29,000 ACFM, 10 compartment baghouse fabricated by Gulf Coast Recycling.

Emissions Unit Details

2. Control Device or Method Code(s): 018

1.	Package Unit:		
	Manufacturer: N/A	Model Number:	
2. Generator Nameplate Rating:		MW	
3. Incinerator Information:			
Dwell Temperature:			°F
Dwell Time:		9	seconds
Incinerator Afterburner Temperature:			°F

Emissions Unit Information Section	1	of	5	
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B. EMISSIONS UNIT CAPACITY INFORMATION (Regulated Emissions Units Only)

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:		mr	nBtu/hr
2.	Maximum Incineration Rate: N/	A lb/hr		tons/day
3.	. Maximum Process or Throughput Rate: 6.5 Tons/Hr (approximate daily average)			ily average)
4.	Maximum Production Rate: 26,	500 Tons/Yr		
5.	Requested Maximum Operating	Schedule:		
	24	hours/day	7	days/week
	52	weeks/year	8760	hours/year
6.	Operating Capacity/Schedule Co	mment (limit to 200 char	acters):	
6. Operating Capacity/Schedule Comment (limit to 200 characters): The operating capacity is based on a approximate input feed rate of 6.5 T/hr averaged over a 24-hr period.				

C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

List of Applicable Regulations

62 ⁹ -204.800 F.A.C.	
40 CFR 63 Subpart A, X	
62-296.603 F.A.C.	
40 CFR 60.122(a)	
62-296.800 F.A.C.	
62-296.700 F.A.C.	
62-296.603 F.A.C.	
62-212.300 F.A.C.	
62-4.070(3) F.A.C.	

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

Emission Point Description and Type

1.	Identification of Point on Pl	ot Plan or	2. Emission Po	oint Type Code:
	Flow Diagram? Main	Stack		2
3.	-	oints Comprising	g this Emissions	Unit for VE Tracking (limit to
	100 characters per point):			
	E-hand to be from both and		.:	at Comman
	Exhaust stack from baghous	se controlling en	iissions iroili Bia	st rumace.
		•		
4	TDAT 1 D 1 d	CE · · II	** *** *** T	D' ' C
4.	ID Numbers or Descriptions	s of Emission Ur	uts with this Emi	ssion Point in Common:
	Blast Furnace			•
	Blast Fulliace			
5.	Discharge Type Code:	6. Stack Heigh	 ht:	7. Exit Diameter:
٠.	V		150 feet	2.0 feet
	·			
8.	Exit Temperature:	9. Actual Vol	umetric Flow	10. Water Vapor:
	200 °F	Rate:		3.08 (est) %
			29,000 acfm	, ,
11.	11. Maximum Dry Standard Flow Rate: 12. Nonstack Emission Point Height:			
	22,600	dscfm	12.1(01100001)	feet
	,			
13.	Emission Point UTM Coord	linates:		
	Zone: 17 E	ast (km): 364.10	09 Nort	h (km): 3093.514
1.4				(
14.	Emission Point Comment (l	imit to 200 char	acters):	
l				

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Emissions Unit Informatio	n Section	1	of	5	
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E. SEGMENT (PROCESS/FUEL) INFORMATION (All Emissions Units)

Segment Description and Rate: Segment1 of1				
1. Segment Description (Prod	cess/Fuel Type)	(limit to 500 ch	naract	ers):
Blast furnace smelting				
2. Source Classification Cod	e (SCC):	3. SCC Unit	s:	-
3-04-004-03			Ton	s Produced
4. Maximum Hourly Rate: 3.75	5. Maximum 26,5		6.	Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:
10. Segment Comment (limit	to 200 characters	s):		
·				
Segment Description and Ra				
1. Segment Description (Prod	cess/Fuel Type)	(limit to 500 c	harac	ters):
		3. SCC Uni	ts	-
		J. Bee om		
4. Maximum Hourly Rate:	9. Maxim Rate:	um Annual	6.	Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:
10. Segment Comment (limit	to 200 characters	s):		
		,		

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F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

1. Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
РМ	018	000	EL
SO ₂	046*	000	EL
NO _x			NS
СО	021	000.	EL
VOC	021	000	EL
Lead	018	000	EL

^{*} Process feed desulfurization

Emissions Unit Information Section	1	_ of _	5	_
Pollutant Detail Information Page	1	of	5	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1 otomeran 1 agreeve Emissions		•
Pollutant Emitted: PM	2. Total Percent Effice +99%	ciency of Control:
3. Potential Emissions: 1.80 lb	o/hour 7.9 tons/year	4. Synthetically Limited? [X]
5. Range of Estimated Fugitive Emi		tons/year
6. Emission Factor: 0.0093 gr/dscf		7. Emissions
Reference:		Method Code: 0
8. Calculation of Emissions (limit to (0.0093 gr/dscf) (22,600 dscfm) (and (1.80 lb/hr) (8760 hrs/yr) / 2000 l	60 min/hr) / $7000 gr/lb = 1.80 lb/h$	nr
9. Pollutant Potential/Fugitive Emis	sions Comment (limit to 200 char	acters):
Allowable Emissions Allowable Em	nissions of	
Basis for Allowable Emissions Control ESCPSD	ode: 2. Future Effective l Emissions:	Date of Allowable
3. Requested Allowable Emissions	and Units: 4. Equivalent Allow	vable Emissions:
1.80 lb/hr	1.80 lb/hour	7.9 tons/year
5. Method of Compliance (limit to 6	60 characters):	
Annual source testing using EPA	Method 5	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit	t to 200 characters):
62-212.300		

Emissions Unit Information Section	1	_ of _	<u> 5 </u>	
Pollutant Detail Information Page	2	of	5	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1. Pollutant Emitted:	2. Total Percent Efficiency of Control:
SO ₂	· ,
3. Potential Emissions:	4. Synthetically
231.7 lb/hour	1015 tons/year Limited? [X]
5. Range of Estimated Fugitive Emissions:	
	totons/year
6. Emission Factor: 76.6 lb SO ₂ /ton of lead p	
Reference:	Method Code:
8. Calculation of Emissions (limit to 600 chara	•
(26,500 T/yr) (76.6 lb/T) / 2000 lb/T = 1015	T/yr
and $(1015 \text{ T/yr}) (2000 \text{ lb/T}) / 8760 \text{ hr/yr} = 231.7$	lh/hr
(1013 1/yl) (2000 10/1) / 8/00 11/yl = 231./	10/111
O Dellatent Detection/Fresting Envisions Com	mont (limit to 200 allows story)
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characters):
·	
	C
Allowable Emissions Allowable Emissions	of
Basis for Allowable Emissions Code: ESCPSD	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
76.6 lb SO ₂ /ton of lead produced	231.7 lb/hour * 1015 tons/year **
5. Method of Compliance (limit to 60 characte	rs):
M.A. Industries Model 41 desulfurization sy	
6. Allowable Emissions Comment (Desc. of O Rule 62-212.300	perating Method) (limit to 200 characters):
* Based on 8760 hours per year	
** Plant-wide emission limit	
have	

Emissions Unit Information Section	1	_ of _	_5		
Pollutant Detail Information Page	3	of _	5	,	
G. EMISSIONS UNIT	POLL	UTAN	T D	ETAII	LIN

FORMATION (Regulated Emissions Units -

Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions	
1. Pollutant Emitted:	2. Total Percent Efficiency of Control:
CO	
3. Potential Emissions:	4. Synthetically
320 lb/hour	1400 tons/year Limited? [X]
5. Range of Estimated Fugitive Emissions:	
[] 1 [] 2 [] 3	to tons/year
6. Emission Factor: 320 lb/hr	7. Emissions
Reference:	Method Code:
 8. Calculation of Emissions (limit to 600 chara (320 lb/hr) (8760 hr/yr) / (2000 lb/T) = 1400 9. Pollutant Potential/Fugitive Emissions Common Co	· T/yr
Allowable Emissions Allowable Emissions	of
	
Basis for Allowable Emissions Code: ESCPSD	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
320 lb/hr	320 lb/hour * 1400 tons/year**
5. Method of Compliance (limit to 60 character Operate the afterburner at [INSERT MINIMUM ESTABLISHED DUB Annual source testing using EPA Method 10	I TEMP AND RESIDENCE TIME RING ANNUAL COMPLIANCE DEMONSTRATION]
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):
Rule 62-212.300 * Based on 8760 hours per year ** Plant-wide emission limit	·

Emissions Unit Information Section	1_	_ of _	<u>5</u>	_
Pollutant Detail Information Page	4	_ of _	5	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1.	Pollutant Emitted:	2.	Total Percent	Efficienc	cy of Control:
3.	VOC Potential Emissions: 360 ppm lb/hour		104.7 tons/ye	II.	I. Synthetically Limited? [X]
5.	Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3	_	to	tons	/year
6.	Emission Factor: 154 ppm Reference:			7	7. Emissions Method Code: 0
8.	Calculation of Emissions (limit to 600 chara (154 ppm) (44.1) (22,600 dscfm) / (60 min/h and (23.9 lb/hr) (8760 hr/yr) / 2000 lb/T = 104.7	ır) / 3	$385.6 \times 10^6 = 2$	23.9 lb/h	r
9.	Pollutant Potential/Fugitive Emissions Com	ment	(limit to 200 o	characte	rs):
<u>Al</u>	lowable Emissions Allowable Emissions		of		
1.	Basis for Allowable Emissions Code: ESCPSD	2.	Future Effect Emissions:	ive Date	of Allowable
3.	Requested Allowable Emissions and Units:	4.	Equivalent A	llowable	Emissions:
	360 ppm		N/A lb/h	nour	104.7 tons/year
5.	Method of Compliance (limit to 60 character Operate the afterburner at [INSERT MINIMUM ESTABLISHED DUI Annual source testing using EPA Method 25	I TEN RING SA	ANNUAL COM	PLIANCI	E DEMONSTRATION]
6.	Allowable Emissions Comment (Desc. of O	perat	ing Method) (l	limit to 2	200 characters):

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Effective: 2/11/99

Emissions Unit Information Section	1	of	<u> 5 </u>	_
Pollutant Detail Information Page	5	of	5	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units -

Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emissions

1.	Pollutant Emitted:	2.	Total		iciency	y of Control:
_	Lead					Q 41 -4:11
3.	Potential Emissions:		0.6	40-01	4.	· · · · · · · · · · · · · · · · · · ·
·	0.14 lb/hour		0.6	tons/year		Limited? [X]
5.	Range of Estimated Fugitive Emissions:			4 -		
				_ to	tons/y	
6.	Emission Factor: 0.000723 gr/dscf				7.	
	Reference:					Method Code:
						0
8.	\		•	///		
	(0.000723 gr/dscf) (22,600 dscfm) (60 min/h	r)/	7000 g	gr/lb = 0.14	lb/hr	
	and	m/				
	(0.14 lb/hr) (8760 hrs/yr) / (2000 lb/T) = 0.6	1/y	T			
9.	Pollutant Potential/Fugitive Emissions Com-	men	t (limi	t to 200 cha	racters	s):
	-					
A 1	loweble Emissions Allowable Emissions		of			
AI	lowable Emissions Allowable Emissions		_ 01			
1.	Basis for Allowable Emissions Code:	2.	Futu	re Effective	Date	of Allowable
	ESCPSD		Emis	ssions:		
3.	Requested Allowable Emissions and Units:	4.	Equi	valent Allov	wable	Emissions:
	0.00087 gr/dscf (MACT)		(0.14 lb/hou	ır	0.6 tons/year
5.	Method of Compliance (limit to 60 characte	rs):				
Compliance will be demonstrated as outlined in the Baghouse Standard Operating						
Procedures Manual and annual emissions test using EPA Method 12						
6	6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):					
0.	Allowable Emissions Comment (Desc. of O	рега	ung w	temoa) (IIIII	11 10 21	oo characters).
	Rule 62-212.300					
	Table 02-212.300				•	
	·					

Emission	Unit	Information	Section	1	of	5	
	CHIL	THIOLINGGION	Decion		O.	~	

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

	sible Emissions Limitation: Visible Emiss	sions Limitation of				
1.	Visible Emissions Subtype: VE03	2. Basis for Allowable O [X] Rule Other	pacity:			
3.	Requested Allowable Opacity: 3% Normal Conditions: % E Maximum Period of Excess Opacity Allow	Exceptional Conditions: red:	% min/hour			
	Method of Compliance: Annual VE readings using EPA Metho					
<i>J</i> .	Visible Emissions Comment (limit to 200 c	maracters).				
I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring) Continuous Monitoring System: Continuous Monitor 1 of 2						
<u>Co</u>	(Only Regulated Emissions Units Su	ibject to Continuous Moni	toring) -			
	(Only Regulated Emissions Units Su	ibject to Continuous Moni	toring) -			
1.	(Only Regulated Emissions Units Suntinuous Monitoring System: Continuous	s Monitor 1 of 2	[X] Other			
1.	(Only Regulated Emissions Units Subntinuous Monitoring System: Continuous Parameter Code: EM	s Monitor 1 of 2 2. Pollutant(s): SO2 [] Rule	-			
1. 3. 4.	(Only Regulated Emissions Units Subntinuous Monitoring System: Continuous Parameter Code: EM CMS Requirement: Monitor Information: Manufacturer: Spectrum Systems	s Monitor 1 of 2 2. Pollutant(s): SO2 [] Rule	[X] Other:			

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

Continuous Monitoring System: Continuous Monitor 2 of 2

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

J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION (Regulated Emissions Units Only)

Supplemental Requirements

1.	[X] Attached, Document ID: B [] Not Applicable [] Waiver Requested
2.	Fuel Analysis or Specification [] Attached, Document ID: [X] Not Applicable [] Waiver Requested
	Detailed Description of Control Equipment [] Attached, Document ID: [X] Not Applicable [] Waiver Requested
	Description of Stack Sampling Facilities [] Attached, Document ID: [X] Not Applicable [] Waiver Requested
5.	Compliance Test Report [] Attached, Document ID: [] Previously submitted, Date: [X] Not Applicable
6.	Procedures for Startup and Shutdown [] Attached, Document ID: [] Not Applicable [*] Waiver Requested
7.	Operation and Maintenance Plan [] Attached, Document ID: [] Not Applicable [*] Waiver Requested
8.	Supplemental Information for Construction Permit Application [] Attached, Document ID: [X] Not Applicable
9.	Other Information Required by Rule or Statute [] Attached, Document ID: [X] Not Applicable
	10. Supplemental Requirements Comment: *Data previously submitted with construction applications.

Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation
[] Attached, Document ID: [X] Not Applicable
10 Ab
12. Alternative Modes of Operation (Emissions Trading)
[] Attached, Document ID: [X] Not Applicable
13. Identification of Additional Applicable Requirements
[] Attached, Document ID: [X] Not Applicable
14. Compliance Assurance Monitoring Plan
[] Attached, Document ID: [*] Not Applicable
15. Acid Rain Part Application (Hard-copy Required)
[] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID:
[] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID:
[] New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID:
[] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID:
Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID:
Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID:
[X] Not Applicable

* On file with EPC. No modifications required by on modifications to permit requested by this revision.

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION (All Emissions Units)

Emissions Unit Description and Status

	•				
1.	. Type of Emissions Unit Addressed in This Section: (Check one)				
[]] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).				
[X]	[7] 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.				
[]			n addresses, as a single emis s which produce fugitive em	•	
2. I	Regulated or Unr	egulated Emissions Unit	? (Check one)		
[. X]	The emissions uemissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is a regulated	
[]	The emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is an unregulated	
3. I	Description of En	nissions Unit Addressed	in This Section (limit to 60 o	characters):	
I	Four (4) refining	kettles			
4. I	Emissions Unit Ic	lentification Number:		[] No ID	
I	D: 010			[] ID Unknown	
	Emissions Unit Status Code: A	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 33	8. Acid Rain Unit?	
ç	9. Emissions Unit Comment: (Limit to 500 Characters)				
The three previously permitted 52-ton kettles (source 002) has been replaced by four new 78-ton kettles (86-ton total charge).					

Emissions Unit Information Section 2 of 5

<u>Lr</u>	nissions Unit Control Equipment
1.	Control Equipment/Method Description (Limit to 200 characters per device or method):
	 A three module shaker-type baghouse with Gore Technology or equivalent bags controlling particulate and lead emissions off the kettle hoods and pouring ladles on casting machines.
	288 bags/module (3744 sq. ft./module); total of 11,232 sq. ft.
	Gross air/cloth ratio with all modules on line: 2.0:1
	Net a/cloth ratio with one module off line: 2.9:1
	(Indirect gas combustion exhausted through separate stacks)

Emissions Unit Details

2. Control Device or Method Code(s): 018

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

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

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:		16.81	mmBtu/hr		
2.	Maximum Incineration Rate:	lb/hr		tons/day		
3.	Maximum Process or Through	put Rate: Approximately 86	tons/charg	ge (Each Kettle)		
4.	4. Maximum Production Rate: 32,000 T/yr finished lead					
5.	Requested Maximum Operation	g Schedule:				
	24	hours/day	7	days/week		
	52	weeks/year	8760	hours/year		
6.	Operating Capacity/Schedule (Comment (limit to 200 charac	cters):			
	The maximum heat input rate Each kettle is 4.2 mm Btu/hr are exhausted through separate	. The products of combustion		direct fired kettles		

C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

List of Applicable Regulations

62-296.603(1)(d) F.A.C.	
40 CFR 63 Subpart A & X	
62-204.800 F.A.C.	
62-296.603 F.A.C.	
62-212.300 F.A.C.	
62-4.070(3) F.A.C.	
62-4.210 F.A.C	
·	

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

Emission Point Description and Type

1.	Identification of Point on Plot Plan or Flow Diagram? Refinery Stack		2. Emission Point Type Code: 2		
3.	3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit 100 characters per point):			Unit for VE Tracking (limit to	
	Four (4) Refining Kettles			•	
4.	ID Numbers or Description	s of Emission Ur	nits with this En	nission Point in Common:	
	010				
5.	Discharge Type Code:	6. Stack Heigl		7. Exit Diameter:	
	V		60.5 feet	3.0 feet	
8.	Exit Temperature:	9. Actual Vol		10. Water Vapor:	
	98°F	Rate: 22,00	00 acfm	2.0 % EST.	
11.	. Maximum Dry Standard Flo 20,400 dscfm	ow Rate:	12. Nonstack I	Emission Point Height: feet	
13.	. Emission Point UTM Coord	dinates:			
	Zone: 17	Cast (km): 364.0	27 No	rth (km): 3093.546	
14.	. Emission Point Comment (limit to 200 char	acters):		
N	ote: The burner products of	combustion are	not emitted thro	ugh this stack.	

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

Segment	Description	and Rate:	Segment	1	of	2

1.	. Segment Description (Process/Fuel Type) (limit to 500 characters):								
	Natural gas used in refining kettle heaters								
2.	Source Classification Code (SCC): 3. SCC Units:								
4.	Maximum Hourly Rate: 16,800 ft ³ (Gas)	5. Maximum 2 98.6 MM ft (permit rest	³ (Gas)	6.	Estimated Annual Activity Factor: N/A				
7.	Maximum % Sulfur: N/A	8. Maximum % Ash: N/A		9.	Million Btu per SCC Unit: 1,000 btu/CF				
10.	10. Segment Comment (limit to 200 characters):								
Synthetic limitation proposed for natural gas combustion so the kettle burner exhausts remain an insignificant activity.									
Segment Description and Rate: Segment 2 of 2									
1. Segment Description (Process/Fuel Type) (limit to 500 characters):									
Sodium Nitrate (NaNO ₃) refining material									
2.	Source Classification Code (SCC): 3. SCC Units:								
4.	Maximum Hourly Rate:	5. Maximum 2 360,000 lb/5		6.	Estimated Annual Activity Factor:				
	Maximum Hourly Rate: Maximum % Sulfur: N/A		yr NaNO ₃ % Ash:						
7.	Maximum % Sulfur:	360,000 lb/ 8. Maximum 9 N/	yr NaNO ₃ % Ash: A		Factor:				
7.	Maximum % Sulfur: N/A	360,000 lb/ 8. Maximum 9 N/	yr NaNO ₃ % Ash: A		Factor:				
7.	Maximum % Sulfur: N/A	360,000 lb/ 8. Maximum 9 N/	yr NaNO ₃ % Ash: A		Factor:				
7.	Maximum % Sulfur: N/A	360,000 lb/ 8. Maximum 9 N/	yr NaNO ₃ % Ash: A		Factor:				
7.	Maximum % Sulfur: N/A	360,000 lb/ 8. Maximum 9 N/	yr NaNO ₃ % Ash: A		Factor:				

F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

1. Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	018	000	. EL
Lead	018	000	EL
NOx		000	EL
		·	
			·
			·

Emissions Unit Information Section		_ of _	<u>5</u>	_
Pollutant Detail Information Page	1	of	3	

Emissions-Limited and Preconstruction Review Pollutants Only)

1. Pollutant Emitted:	2. Total Percent Efficiency of Control:	
PM	99+%	
3. Potential Emissions:	4. Synthetically	_
1.0 lb/hour	4.2 tons/year Limited? [X	<u>]</u>
5. Range of Estimated Fugitive Emissions:		
	totons/year	
6. Emission Factor: 0.005 gr/dscf	7. Emissions	
Reference:	Method Code:	
8. Calculation of Emissions (limit to 600 chara	cters):	
o. Carculation of Emissions (mint to ooo chara	<i>2.</i> (213).	
[(0.005 gr/dscf)(20,400 scfm)(60 min/hr)/(7000	gr/dscf)] = 1.0 lb/hr	
and $(1.0 \text{ lb/hr})(8760 \text{ hr/yr})/(2000 \text{ lb/T}) = 4.2 \text{ T}$	/yr	
·		
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characters):	
	·	
	· · · · · · · · · · · · · · · · · · ·	
Allowable Emissions Allowable Emissions	of	
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable	
ESCPSD	Emissions:	
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:	
1.0 lb/hr	1.0 lb/hour 4.2 tons/year	
5. Method of Compliance (limit to 60 characte	rs):	_
-		
Annual compliance testing using EPA Meth	od 5	
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):	
·	,	

Emissions Unit Information Section	2_	_ of _	5	
Pollutant Detail Information Page	2	of	3	

Emissions-Limited and Preconstruction Review Pollutants Only)

1. Pollutant Emitted:	2. Total Percent Efficiency of Control:	
Lead	99+%	
3. Potential Emissions:		4. Synthetically
0.035 lb/hour 0.15	tons/year	Limited? []
5. Range of Estimated Fugitive Emissions:		
	to tor	ns/year
6. Emission Factor: 0.0002 gr/dscf		7. Emissions
Reference:		Method Code:
8. Calculation of Emissions (limit to 600 chara	cters).	
o. Calculation of Emissions (mint to ooo chara	cicis).	
[(0.0002 gr/dscf)(20,400 scfm)(60 min/hr)/(7000	0 gr/dscf = 0.035 lb/hr	
and $(0.035 \text{ lb/hr})(8760 \text{ hr/yr})/(2000 \text{ lb/T}) = 0.1$	5 T/yr	
O Pollutant Potantial/Equiting Emissions Com-		L\.
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 characi	ters):
		·
Allowable Emissions Allowable Emissions	of	
1. Basis for Allowable Emissions Code:	2. Future Effective Da	te of Allowable
ESCPSD	Emissions:	
3. Requested Allowable Emissions and Units:	4. Equivalent Allowab	le Emissions:
0.0002 gr/dscf	0.035 lb/hour	0.15 tons/year
5. Method of Compliance (limit to 60 character	rs):	
Compliance will be demonstrated as outlined	d in the Baghouse Standar	rd Operating
Procedures Manual.		
Annual source testing using EPA Method 12		
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to	200 characters):
(= 10.11.00	· · · · · · · · · · · · · · · · · · ·	

Emissions Unit Information Section	2	_ of _	<u> 5 </u>	
Pollutant Detail Information Page	3	of	3	

Emissions-Limited and Preconstruction Review Pollutants Only)

1. Pollutant Emitted:	2. Total Percent Efficiency of Control:	
NO _x 3. Potential Emissions:	4. Synthetically	
N/A lb/hour	43.2 tons/year Limited? []	
5. Range of Estimated Fugitive Emissions:	-	
	totons/year	
6. Emission Factor: 0.24 lb/lb NaNO ₃ for NaNO	7. Emissions Method Code:	
8. Calculation of Emissions (limit to 600 charac	cters):	
360,000 lb NaNO ₃ /yr x 0.24 lb/lb NaNO ₃ x 1	Ton/2000 lb = 43.2 ton/yr	
* This is NO _x through kettle hood stack only	y; does not include products of combustion.	
	·	
9. Pollutant Potential/Fugitive Emissions Comr	nent (limit to 200 characters):	
-		
Allowable Emissions Allowable Emissions	of	
Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable	
1. Basis for Allowable Emissions Code:	Emissions:	
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:	
	N/A lb/hr 43.2 tons/year	
5. Method of Compliance (limit to 60 character		
Monthly NaNO ₃ usage and source specific en	mission factor	
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):	
o. Allowable Emissions Comment (Desc. of Op	ociating Method) (mint to 200 characters).	

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

sible Emissions Limitation: Visible Emissi	
Visible Emissions Subtype: VE03	Basis for Allowable Opacity: [X] Rule [] Other
	acceptional Conditions: % ed: min/hour
Annual Visible emissions reading using EPA	
Visible Emissions Comment (limit to 200 cl	haracters):
	NITOR INFORMATION
ntinuous Monitoring System: Continuous	Subject to Continuous Monitoring) Monitor of
ntinuous Monitoring System: Continuous	Monitor of
Parameter Code: Continuous	Monitor of 2. Pollutant(s):
	VE03 Requested Allowable Opacity: 3% Normal Conditions: % Ex Maximum Period of Excess Opacity Allowate Method of Compliance: Annual Visible emissions reading using EP. Visible Emissions Comment (limit to 200 comment) I. CONTINUOUS MO

J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION (Regulated Emissions Units Only)

Supplemental Requirements

1.	Process Flow Diagram
	[X] Attached, Document ID: B [] Not Applicable [] Waiver Requested
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
3.	Detailed Description of Control Equipment
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
4.	Description of Stack Sampling Facilities
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
5.	Compliance Test Report
	[] Attached, Document ID:
	[] Previously submitted, Date:
	[X] Not Applicable
	· ·
6	Procedures for Startup and Shutdown
	[] Attached, Document ID: [] Not Applicable [*] Waiver Requested
7.	Operation and Maintenance Plan
	[] Attached, Document ID: [] Not Applicable [*] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[] Attached, Document ID: [X] Not Applicable
9.	Other Information Required by Rule or Statute
	[] Attached, Document ID: [X] Not Applicable
10	. Supplemental Requirements Comment:
	* Data previously submitted with construction permit application

Emissions Unit Information Section 2 of 5

Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation
[] Attached, Document ID: [X] Not Applicable
12. Alternative Modes of Operation (Emissions Trading)
[] Attached, Document ID: [X] Not Applicable
13. Identification of Additional Applicable Requirements
[] Attached, Document ID: [X] Not Applicable
14. Compliance Assurance Monitoring Plan
[] Attached, Document ID: [X] Not Applicable
15. Acid Rain Part Application (Hard-copy Required)
[] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID:
[] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID:
[] New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID:
[] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID:
[] Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID:
Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID:
[X] Not Applicable

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION (All Emissions Units)

Emissions Unit Description and Status

			
1. Type of Emissions Unit Addressed in Thi	. Type of Emissions Unit Addressed in This Section: (Check one)		
This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).			
[X] This Emissions Unit Information Section process or production units and activities (stack or vent) but may also produce fug	es which has at least one defin		
[] This Emissions Unit Information Section process or production units and activities	,	•	
2. Regulated or Unregulated Emissions Unit	:? (Check one)		
[X] The emissions unit addressed in this Ememissions unit.	nissions Unit Information Sec	tion is a regulated	
[] The emissions unit addressed in this En emissions unit.	nissions Unit Information Sec	ction is an unregulated	
3. Description of Emissions Unit Addressed	in This Section (limit to 60 c	characters):	
Blast Furnace Charging and Tapping			
4. Emissions Unit Identification Number: [] No ID ID: 004 [] ID Unknown			
5. Emissions Unit Status Code: Date:	7. Emissions Unit Major Group SIC Code: 33	8. Acid Rain Unit?	
9. Emissions Unit Comment: (Limit to 500	Characters)		

Emissions Unit Information Section 3 of 5

Emissions Unit Control Equipment

<u>L</u>	Emissions Out Control Equipment				
1.	Control Equipment/Method Description (Limit to 200 characters per device or method):				
	Emissions from the blast furnace charging, skiphoist and blast furnace tapping are captured by hoods or enclosures and vented to a 20,000 ACFM, 3 compartment, shaker-type baghouse.				
	•				
	•				
•					

Emissions Unit Details

2. Control Device or Method Code(s): 018

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

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

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:			mmBtu/hr
2.	Maximum Incineration Rate:	lb/hr		tons/day
3.	Maximum Process or Throughpu	it Rate: 6.5 Tons/Hr	(approximate	daily average)
4.	Maximum Production Rate:	26,500 T/yr output		
5.	Requested Maximum Operating	Schedule:		
	24	hours/day	7	days/week
	52	weeks/year	8760	hours/year
6.	Operating Capacity/Schedule Co	mment (limit to 200 ch	aracters):	
				-

Effective: 2/11/99

C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

List of Applicable Regulations

40 CFR 63 Subpart A & X	
62-204.800 F.A.C.	
62-296.700 F.A.C.	
62-296.800 F.A.C.	
62-296.603 F.A.C.	
62-212.300 F.A.C.	
40 CFR 60.122(a)	
	·
·	

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

Emission Point Description and Type

1.	lentification of Point on Plot Plan or low Diagram? Hygiene Stack 2. Emission Point Type Code: 2				
3.	Descriptions of Emission Po 100 characters per point):	oints Comprising	g this Emissions (Jnit for VE Tracking (I	imit to
	Exhaust stack from baghous tapping.	se controlling em	nissions from blas	st furnace charging and	
				<u> </u>	
4.	ID Numbers or Descriptions	s of Emission Ur	nits with this Emi	ssion Point in Commo	n:
	Blast furnace charging hood	and tapping hoo	ods		
5.	Discharge Type Code:	6. Stack Heigh		7. Exit Diameter:	£4
	V		60.5 feet	2.5	feet
8.	Exit Temperature:		umetric Flow	10. Water Vapor:	0/
	97 °F	Rate:	0,000 acfm	2	%
11.	Maximum Dry Standard Flo 18,000	ow Rate: dscfm	12. Nonstack Er	nission Point Height: fe	eet
13.	Emission Point UTM Coord	linates:			
	Zone: 17 E	ast (km): 364.10	09 Nortl	h (km): 3093.545	
14.	Emission Point Comment (l	imit to 200 char	acters):		
	•				
	•				

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

Seg	Segment Description and Rate: Segment 1 of 1				
1.	Segment Description (Prod	cess/Fuel Type)	(limit to 500 cha	aract	ters):
	Blast Furnace Charging an	d Tapping			
2.	Source Classification Code	e (SCC):	3. SCC Units:		·
۷.	3-04-004-03	<i>(300)</i> .	J. BCC Omis.		Tons Produced
4.	Maximum Hourly Rate: 3.75 Tons	5. Maximum 26,		6.	Estimated Annual Activity Factor:
7.	Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:
10.	Segment Comment (limit t	to 200 characters):		
Seg	gment Description and Ra	te: Segment	of		
1.	Segment Description (Prod	cess/Fuel Type)	(limit to 500 ch	arac	ters):
2.	Source Classification Code	e (SCC):	3. SCC Units	s:	
4.	Maximum Hourly Rate:			Estimated Annual Activity Factor:	
7.	Maximum % Sulfur:	8. Maximum % Ash:		9.	Million Btu per SCC Unit:
10.	Segment Comment (limit)	to 200 characters):	_	
		+ <u>.</u> *	•		
1					

F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

1. Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	018	000	EL
VOC			EL
Lead	018	000	EL
	1	1.	

Emissions Unit Information Section	3	_of _	5	
Pollutant Detail Information Page	1	_ of	3	

Emissions-Limited and Preconstruction Review Pollutants Only)

1.	Pollutant Emitted: PM	2.	Total	Percent I	Efficie 99+	ency of Control:
3.	Potential Emissions: 1.46 lb/hour	· -	6.4	tons/ye	ar	4. Synthetically Limited? [X]
5.	Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3	_		_ to	tor	ns/year
6.	Emission Factor: 0.0095 gr/dscf Reference:			·		7. Emissions Method Code: 0
8.	Calculation of Emissions (limit to 600 chara (0.0095 gr/dscf) (18,000 dscfm) (60 min/hr) and (1.46 lb/hr) (8760 hrs/yr) / 2000 lb/T = 6.4 T	/ 70	-	b = 1.46	1b/hr	·
9.	Pollutant Potential/Fugitive Emissions Com	ment	: (limit	to 200 c	charact	ters):
Al	lowable Emissions Allowable Emissions		of			
1.	Basis for Allowable Emissions Code: ESCPSD	2.		e Effecti sions:	ive Da	te of Allowable
3.	Requested Allowable Emissions and Units:	4.	Equiv	valent Al	llowat	ole Emissions:
	1.46 lb/hr		1	.46 lb/h	our	6.4 tons/year
5.	Method of Compliance (limit to 60 character Compliance will be demonstrated as outlined Procedures Manual Annual Source Testing using Method 5.		the Ba	ghouse S	Standa	rd Operating
6.	Allowable Emissions Comment (Desc. of O	perat	ing M	ethod) (l	imit to	200 characters):

Emissions Unit Information Section	3	_of _	5_	
Pollutant Detail Information Page	2	_ of	3	

Emissions-Limited and Preconstruction Review Pollutants Only)

TO		• • •	
Untant	01/4/11/0	TETTO L	TOTOGLONG
T OLEHLI	1217 F U.Y	HIVE P.	<u>lmissions</u>
		**- * * **	

1. Pollutant Emitted: VOC	2. Total Percent Efficiency of Control:
3. Potential Emissions: N/A lb/hour	4. Synthetically Limited? []
5. Range of Estimated Fugitive Emissions: [] 1 [] 2 [] 3	totons/year
6. Emission Factor: 19 ppm Reference:	7. Emissions Method Code:
8. Calculation of Emissions (limit to 600 characters) (19 ppm) (44.1) (20,000 acfm) (60 min/hr) / and (2.6 lb/hr) (8760 hrs/yr) / 2000 lb/T = 11.3 T	$385.6 \times 10^6 = 2.6 \text{ lb/hr}$
9. Pollutant Potential/Fugitive Emissions Com	nent (limit to 200 characters):
Allowable Emissions Allowable Emissions	of
Basis for Allowable Emissions Code: 40 CFR 63, Subpart X	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 20 ppm @ charge hood	4. Equivalent Allowable Emissions: N/A lb/hour 11.3
5. Method of Compliance (limit to 60 character Annual source testing using EPA Method 25 Annual face velocity testing using EPA Method	5Á
6. Allowable Emissions Comment (Desc. of Op Rule 62- 212.300	perating Method) (limit to 200 characters):

Emissions Unit Information Section	3_	_of _	_5_	_
Pollutant Detail Information Page	3	_ of _	3	

Emissions-Limited and Preconstruction Review Pollutants Only)

1. Pollutant Emitted:	2. Total Percent Efficiency of Control:				
Lead	99+%				
3. Potential Emissions:	4. Synthetically				
	.48 tons/year Limited? [X]				
5. Range of Estimated Fugitive Emissions:					
[] 1 [] 2 [] 3	to tons/year				
6. Emission Factor: 0.00071 gr/dscf	7. Emissions				
Reference:	Method Code:				
8. Calculation of Emissions (limit to 600 char (0.00071 gr/dscf) (18,000 dscfm) (60 min/h and (0.11 lb/hr) (8760 hrs/yr) / 2000 lb/T = 0.48	$\frac{dr}{dr}$ / $\frac{7000 \text{ gr}}{lb} = 0.11 \text{ lb/hr}$				
9. Pollutant Potential/Fugitive Emissions Con	9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):				
Allowable Emissions Allowable Emissions	of				
Basis for Allowable Emissions Code: ESCPSD	2. Future Effective Date of Allowable Emissions:				
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:				
0.00087 gr/dscf	lb/hour 0.48 tons/year				
5. Method of Compliance (limit to 60 characte	ers):				
Annual source testing using EPA Method 12					
6. Allowable Emissions Comment (Desc. of Comment	Operating Method) (limit to 200 characters):				
62-212.300					

Emissions	Unit	Inform	ation	Section	3	of	5	

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

VI	sible Emissions Limitation: Visible Emissi	ons Limitation 1 of 1		
1.	Visible Emissions Subtype: VE03 VE06	Basis for Allowable Opacity: [X] Rule [] Other		
3.	Requested Allowable Opacity: VE03 Normal Conditions: % Ex Maximum Period of Excess Opacity Allowe	acceptional Conditions: % ed: min/hour		
4.	Method of Compliance: Annual VE readings using EPA Method 9			
5.	Visible Emissions Comment (limit to 200 cl	haracters):		
	VE03 – At the exit of the control equipment From the closed charge door on the			
	VE06 – From the blast furnace during charg	ging.		
I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring) Continuous Monitoring System: Continuous Monitorof				
<u>-Co</u>	,	-		
	,	-		
1.	ontinuous Monitoring System: Continuous	Monitorof		
 3. 	Parameter Code: CMS Requirement: Monitor Information: Manufacturer:	Monitorof 2. Pollutant(s): [] Rule [] Other		
 3. 4. 	Parameter Code: CMS Requirement: Monitor Information:	Monitor of 2. Pollutant(s):		
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information: Manufacturer: Model Number:	Monitorof 2. Pollutant(s): [] Rule [] Other Serial Number: 6. Performance Specification Test Date:		

J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION (Regulated Emissions Units Only)

Supplemental Requirements

1.	Process Flow Diagram
	[X] Attached, Document ID: B [] Not Applicable [] Waiver Requested
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
3.	Detailed Description of Control Equipment
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
4.	Description of Stack Sampling Facilities
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
5.	Compliance Test Report
	[] Attached, Document ID:
	[] Previously submitted, Date:
	[X] Not Applicable
6.	Procedures for Startup and Shutdown
	[] Attached, Document ID: [] Not Applicable [*] Waiver Requested
7.	Operation and Maintenance Plan
	[] Attached, Document ID: [] Not Applicable [*] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[] Attached, Document ID: [X] Not Applicable
9.	Other Information Required by Rule or Statute
	[] Attached, Document ID: [X] Not Applicable
10	. Supplemental Requirements Comment:
	* Data previously submitted with construction applications.

Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation
[] Attached, Document ID: [X] Not Applicable
12. Alternative Modes of Operation (Emissions Trading)
[] Attached, Document ID: [X] Not Applicable
[] Mached, Bootament 15 [M] Not Applicable
13. Identification of Additional Applicable Requirements
[] Attached, Document ID: [X] Not Applicable
14. Compliance Assurance Monitoring Plan
[] Attached, Document ID: [X] Not Applicable
15. Acid Rain Part Application (Hard-copy Required)
[] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
Attached, Document ID:
[] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
Attached, Document ID:
· [] New Unit Exemption (Form No. 62-210.900(1)(a)2.)
Attached, Document ID:
[] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)
Attached, Document ID:
[] Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)
Attached, Document ID:
[] Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)
Attached, Document ID:
[X] Not Applicable

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Emissions Unit Information Section	4	of	5
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III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION (All Emissions Units)

Emissions Unit Description and Status

1.	1. Type of Emissions Unit Addressed in This Section: (Check one)					
[X	X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).					
[] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.					
[]			n addresses, as a single emis s which produce fugitive em	-	
2.	R	Regulated or Unro	egulated Emissions Unit	? (Check one)		
X .].		The emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is a regulated	
[]	The emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is an unregulated	
3.	Γ	Description of En	nissions Unit Addressed	in This Section (limit to 60 c	characters):	
	S	Soda Ash Silo				
4.			lentification Number:		[] No ID	
	Ι	D: 008	·	[] ID Unknown	
5.		Emissions Unit Status Code: A	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 33	8. Acid Rain Unit?	
9.	E	Emissions Unit C	omment: (Limit to 500 C	Characters)		

Emissions Unit Information Section 4 of 5

Emissions Unit Control Equipment

1.	Control Equipment/Method Description (Limit to 200 characters per device or method):					
1.	Control Equipment viction at 2000 piron (Emilion to 200 characters per un victor or annual).					
	36" by 36" push-thru baghouse on soda ash silo					
2.	Control Device or Method Code(s): 018					

Emissions Unit Details

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

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

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:	,	mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughp	ut Rate: 20 tons/hr input t	o silo
4. Maximum Production Rate:		
5. Requested Maximum Operating	Schedule:	
	2 hours/day	3 days/week
	52 weeks/year	312 hours/year
10. Operating Capacity/Schedule	e Comment (limit to 200 cl	naracters):
The time and rate above reflects the per month into 90-ton silo.	anticipated time to unload	approximately 15 25-ton trucks

Effective: 2/11/99

C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

List of Applicable Regulations

	· · · · · · · · · · · · · · · · · · ·
62-296.603(e) and (f) F.A.C.	
62-296.700(2)(c) F.A.C.	
-	·
	-

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DEP Form No. 62-210.900(1) - Form 7.0\download\GCRTitleVapp_rev2.doc Effective: 2/11/99

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

Emission Point Description and Type

1. Identification of Point on P	lot Plan or	2. Emission Po	oint Type Code:		
Flow Diagram?			1		
3. Descriptions of Emission P	oints Comprising	this Emissions	Unit for VE Tracking (1	imit to	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):					
100 ondations por pointy.					
Exhaust from soda ash silo					
·					
4. ID Numbers or Description	s of Emission U	nits with this Em	ission Point in Common	1:	
008					
5. Discharge Type Code:	6. Stack Heig	ht:	7. Exit Diameter:		
Н		50 feet	~0.5' X ~.5'	feet	
	177.1		10 777		
8. Exit Temperature:		umetric Flow	10. Water Vapor:	0/	
ambient °F	Rate:	300 acfm		%	
11. Maximum Dry Standard Fl	1	·	mission Point Height:	· · · · ·	
800	dscfm			et	
10.7.	1*				
13. Emission Point UTM Coor	dinates:				
Zone:	East (km):	Nort	th (km):		
14. Emission Point Comment (limit to 200 char	acters):			

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

Segment	Description	and Rate:	Segment	1 o	f 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters):					
20 Tons/Hr Soda ash (input)					
		-			
2. Source Classification Cod	e (SCC): 3. SCC Un	its:			
4. Maximum Hourly Rate: 20 tons	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:			
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:			
10. Segment Comment (limit	to 200 characters):				
		4			
		•			
Segment Description and Ra	te: Segment of				
1. Segment Description (Process/Fuel Type) (limit to 500 characters):					
2. Source Classification Cod	e (SCC): 3. SCC U	nite:			
2. Source Classification Cod	5. See 0	mts.			
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:			
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:			
10. Segment Comment (limit	to 200 characters):				
	en de la companya de La companya de la co				

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F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

1. Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM .	018	000	EL
	,		
			:
		·	

Emissions Unit Information Section	4	_of _	5	_
Pollutant Detail Information Page	1	of_	1	

G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

(Regulated Emissions Units -

Emissions-Limited and Preconstruction Review Pollutants Only)

Potential/Fugitive Emission	S
-----------------------------	---

	O T I D POT I
1. Pollutant Emitted:	2. Total Percent Efficiency of Control:
PM	99%
3. Potential Emissions:	4. Synthetically
lb/hour	0.3 tons/year Limited? [X]
5. Range of Estimated Fugitive Emissions:	
	to tons/year
6. Emission Factor: 0.011 gr/dscf	7. Emissions
Reference:	Method Code:
 8. Calculation of Emissions (limit to 600 chara (0.011 gr/dscf) (800 dscfm) (60 min/hr) / 70 and (0.075 lb/hr) (8760 hr/yr) / 2000 lb/T = 0.3 To 10.00 ps. 9. Pollutant Potential/Fugitive Emissions Common Pollutant Potential (1.00 ps.) 	00 gr/lb = 0.075 #/hr
<u>Allowable Emissions</u> Allowable Emissions <u>1</u>	of _ 1
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable
Rule 62-296.700 (2) (c)	Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
< 1.0 T/yr	N/A lb/hour < 1.0 tons/year
5. Method of Compliance (limit to 60 character	rs):
Visible emissions reading	
6. Allowable Emissions Comment (Desc. of O	perating Method) (limit to 200 characters):

Emissions	Unit	Informa	tion	Section	4	of	5	
	CHIL	THEOLIMA		OCCUPIE.	-	V.	•	

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

	Visible Emissions Limitation: Visible Emissions Limitation 1 of 1				
1.	Visible Emissions Subtype:	2. Basis for Allowable Opacity:			
	VE05	[X] Rule [] Other			
3.	Requested Allowable Opacity: 5%				
	Normal Conditions: % Ex	cceptional Conditions: %			
	Maximum Period of Excess Opacity Allowe	ed: min/hour			
		<u> </u>			
4.	Method of Compliance:				
	Annual VE readings using EPA Method 9				
5.	Visible Emissions Comment (limit to 200 c.	haracters):			
	·				
	•				
		NITOR INFORMATION			
	(Only Regulated Emissions Units	Subject to Continuous Monitoring)			
<u>-Co</u>	ntinuous Monitoring System: Continuous	Monitorof			
1.	Parameter Code:	2 D 11 4 4()			
l		2. Pollutant(s):			
		2. Pollutant(s):			
3.	CMS Requirement:	[] Rule [] Other			
	CMS Requirement: Monitor Information:	, ,			
	<u> </u>	, ,			
	Monitor Information:	, ,			
4.	Monitor Information: Manufacturer:	[] Rule [] Other			
4.5.	Monitor Information: Manufacturer: Model Number: Installation Date:	[] Rule [] Other Serial Number: 6. Performance Specification Test Date:			
 4. 5. 	Monitor Information: Manufacturer: Model Number:	[] Rule [] Other Serial Number: 6. Performance Specification Test Date:			
 4. 5. 	Monitor Information: Manufacturer: Model Number: Installation Date:	[] Rule [] Other Serial Number: 6. Performance Specification Test Date:			
 4. 5. 	Monitor Information: Manufacturer: Model Number: Installation Date:	[] Rule [] Other Serial Number: 6. Performance Specification Test Date:			
 4. 5. 	Monitor Information: Manufacturer: Model Number: Installation Date:	[] Rule [] Other Serial Number: 6. Performance Specification Test Date:			
 4. 5. 	Monitor Information: Manufacturer: Model Number: Installation Date:	[] Rule [] Other Serial Number: 6. Performance Specification Test Date:			
 4. 5. 	Monitor Information: Manufacturer: Model Number: Installation Date:	[] Rule [] Other Serial Number: 6. Performance Specification Test Date:			

Emissions Unit Information Section 4 of	5
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J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION (Regulated Emissions Units Only)

Supplemental Requirements

1.	Process Flow Diagram
	[X] Attached, Document ID: B Not Applicable [] Waiver Requested
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
3.	Detailed Description of Control Equipment
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
4.	Description of Stack Sampling Facilities
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
5.	Compliance Test Report
	[] Attached, Document ID:
	Previously submitted, Date:
	[X] Not Applicable
	[12] Troop of Paragraph
6.	Procedures for Startup and Shutdown
	[] Attached, Document ID: [X] Not Applicable [*] Waiver Requested
7.	Operation and Maintenance Plan
	[] Attached, Document ID: [X] Not Applicable [*] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	Attached, Document ID: [X] Not Applicable
9.	Other Information Required by Rule or Statute
	[] Attached, Document ID: [X] Not Applicable
10.	Supplemental Requirements Comment:
	* Data previously submitted with construction applications.

Emissions Unit Information Section	4	of ·	5
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Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation
[] Attached, Document ID: [X] Not Applicable
12. Alternative Modes of Operation (Emissions Trading)
[] Attached, Document ID: [X] Not Applicable
13. Identification of Additional Applicable Requirements
[] Attached, Document ID: [X] Not Applicable
14. Compliance Assurance Monitoring Plan
[] Attached, Document ID: [X] Not Applicable
15. Acid Rain Part Application (Hard-copy Required)
[] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID:
[] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID:
[] New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID:
[] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID:
Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID:
Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID:
[X] Not Applicable

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION (All Emissions Units)

Emissions Unit Description and Status

1.	Type of Emission	s Unit Addressed in This	s Section: (Check one)		
[] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).				
[] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.				
[X	•		n addresses, as a single emis s which produce fugitive em	•	
2.	Regulated or Unr	egulated Emissions Unit	? (Check one)		
:[.X	The emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is a regulated	
[] The emissions unit.	unit addressed in this Em	issions Unit Information Sec	ction is an unregulated	
3.	3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Facility Grounds and Miscellaneous Operations including material handling and battery Wrecking				
4.	Emissions Unit Io ID: 009	lentification Number:		[] No ID [] ID Unknown	
5.	Emissions Unit Status Code: A	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 33	8. Acid Rain Unit?	
9.	Emissions Unit C	Comment: (Limit to 500 C	Characters)		
		· . ·			

Emissions Unit Information Section 5 of 5

Emissions Unit Control Equipment

- 1. Control Equipment/Method Description (Limit to 200 characters per device or method):
 - Minimize vehicular traffic on unpaved areas.
 - Water wash paved areas and collect dust.
 - Maintain vegetation on all unpaved plant grounds.
 - Maintain enclosed screw conveyor below furnace baghouse hoppers
 - Maintain wind breaks & panels along the southside of the furnace baghouse support structure, south and west sides of group pile storage building and windbreak along the entire south property boundary.
 - Maintain sprinkler system.
 - Maintain tire wash for front-end loader near entrance of group storage pile building.
 - Water the lead-bearing materials in the group battery storage pile with sufficient frequency and quantity to prevent formation of dust.
 - Maintain partial enclosure in the lead-bearing material storage areas.
 - Three times daily, regardless of plant operations, vacuum paved traffic areas using HEPA filter equipped vacuum, except when natural precipitation makes it impractical.

2. Control Device or Method Code(s): 061, 108

Emissions Unit Details

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

Effective: 2/11/99

Emissions	Tinit In	formation	Saction	_	of A	=
Emissions	Unitin	iormation	Section	5	OI :	•

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

Emissions Unit Operating Capacity and Schedule

l.	Maximum Heat Input Rate:			mmBtu/hr				
2.	Maximum Incineration Rate:	lb/hr		tons/day				
3.	B. Maximum Process or Throughput Rate: N.A.							
4.	. Maximum Production Rate: N.A.							
5.	Requested Maximum Operating	Schedule:						
	24	hours/day	7	days/week				
	52	weeks/year	8760	hours/year				
6.	Operating Capacity/Schedule Co	omment (limit to 200 characters):					
		•						
	•							
	• •							

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L'margarana	I said said	AMMARIAN	SAATIAN	-	A.	-
Emissions	VIIII IIII	UI MAMUUM	Section	J	UI	J

C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

List of Applicable Regulations

62-204 F.A.C.	
62-296.601	
62-296.603	
40 CFR 63, Subpart X	
	·
	· ·
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D. EMISSION POINT (STACK/VENT) INFORMATION (Regulated Emissions Units Only)

Emission Point Description and Type

1.	Identification of Point on Pl Flow Diagram?		2. Emission Point Type Code: 4					
3.	Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):							
	Facility Grounds and Miscellaneous Operations including material handling and battery wrecking							
4.	ID Numbers or Descriptions	s of Emission Ur	nits with this Emi	ission Point in Commo	on:			
	009							
5.	Discharge Type Code:	6. Stack Heigh		7. Exit Diameter:	C .			
			feet		feet			
8.	Exit Temperature:		umetric Flow	10. Water Vapor:	0./			
	°F	Rate:	acfm		%			
11.	. Maximum Dry Standard Flo		12. Nonstack Er	mission Point Height:	2			
		dscfm		1	feet			
13.	Emission Point UTM Coord	linates:	<u> </u>					
	Zone: E	ast (km):	Nort	h (km):				
14.	Emission Point Comment (imit to 200 char	acters):					
	Plant-wide fugitives except	for blast furnace	e and refining ket	tle hoods.				
			-					
	•							
<u> </u>								

Emissions Unit Information Section	5	of	5	
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E. SEGMENT (PROCESS/FUEL) INFORMATION (All Emissions Units)

Segment Description and Rate: Segment 1 of 1							
1. Segment Description (Process/Fuel Type) (limit to 500 characters):							
Battery breaking	Battery breaking						
			•				
· .							
2. Source Classification Cod	e (SCC):	3. SCC Units	·				
3-04-004-10	Т.	Tons Proce	T-"				
4. Maximum Hourly Rate: N/A	5. Maximum . N/A	Annual Rate:	6. Estimated Annual Activity Factor: 1.0				
7. Maximum % Sulfur:	8. Maximum	% Ash:	9. Million Btu per SCC Unit:				
10. Segment Comment (limit	to 200 characters	s):					
Segment Description and Ra	ate: Segment	of					
1. Segment Description (Process/Fuel Type) (limit to 500 characters):							
·							
2. Source Classification Cod	2. Source Classification Code (SCC): 3. SCC Units:						
4. Maximum Hourly Rate:	4. Maximum Hourly Rate: 5. Maximum Annual Rate: 6. Estimated Annual Activity Factor:						
7. Maximum % Sulfur:	Maximum % Sulfur: 8. Maximum % Ash: 9. Million Btu per SCC Unit:						
10. Segment Comment (limit	10. Segment Comment (limit to 200 characters):						
·.							

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F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

1. Pollutant Emitted	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	061	108	WP
Lead	061	108	WP
			,
		-	
		-	
	;	_	·
·			
		_	
			-

Emissions Unit Information Section	5	of _	5	
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H. VISIBLE EMISSIONS INFORMATION (Only Regulated Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation _ 1 _ of _ 1 Visible Emissions Subtype: 2. Basis for Allowable Opacity: [X] Rule 1 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): I. CONTINUOUS MONITOR INFORMATION (Only Regulated Emissions Units Subject to Continuous Monitoring) Continuous Monitoring System: Continuous Monitor of 1. Parameter Code: 2. Pollutant(s): 1 Rule 3. CMS Requirement: 1 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):

Emissions Unit Information Section 5	of	5	
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J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION (Regulated Emissions Units Only)

Supplemental Requirements

1.	Process Flow Diagram
	[X] Attached, Document ID: B Not Applicable [] Waiver Requested
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
3.	Detailed Description of Control Equipment
٠.	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
4.	Description of Stack Sampling Facilities
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
5.	Compliance Test Report
	[] Attached, Document ID:
	[] Previously submitted, Date:
	[X] Not Applicable
	[]
6	Procedures for Startup and Shutdown
	[] Attached, Document ID: [] Not Applicable [*] Waiver Requested
7	Operation and Maintenance Plan
	[] Attached, Document ID: [] Not Applicable [*] Waiver Requested
	[] Martin Requested
8.	Supplemental Information for Construction Permit Application
	[] Attached, Document ID: [X] Not Applicable
9.	Other Information Required by Rule or Statute
	[] Attached, Document ID: [X] Not Applicable
10.	Supplemental Requirements Comment:
	* Data previously submitted with construction applications.

Emissions Unit Information Section	5	of	5	
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Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation
[] Attached, Document ID: [X] Not Applicable
12. Alternative Modes of Operation (Emissions Trading)
[] Attached, Document ID: [X] Not Applicable
13. Identification of Additional Applicable Requirements
[] Attached, Document ID: [X] Not Applicable
14. Compliance Assurance Monitoring Plan
[] Attached, Document ID: [X] Not Applicable
15. Acid Rain Part Application (Hard-copy Required)
[] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID:
[] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID:
[] New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID:
[] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID:
[] Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID:
[] Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID:
[] Not Applicable

ATTACHMENT A List of Insignificant Activities

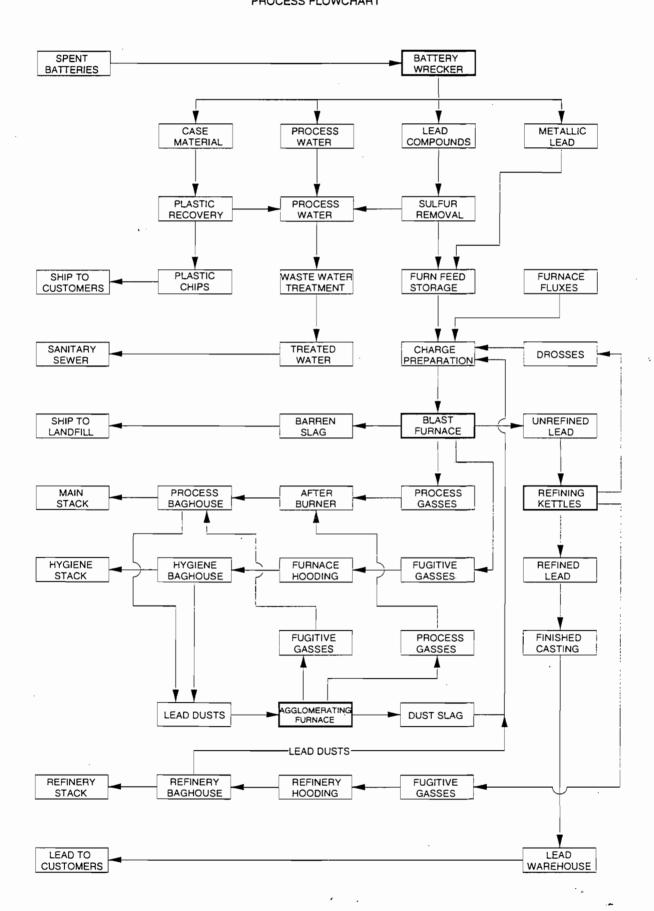
List of Emission Units and/or Activities that are Insignificant Pursuant to Rule 62-213.430 (6), F.A.C.

1. EPA list of trivial activities

ATTACHMENT B

Process Flow Diagram

GULF COAST RECYCLING, INC. PROCESS FLOWCHART



ATTACHMENT C Compliance Report and Certification



DEP Form No. 62-213.900(7)

Effective: 01/03/01

Department of Environmental Protection

Division of Air Resources Management

STATEMENT OF COMPLIANCE - TITLE V SOURCE

Facility Owner/Company Name:_	Gulf Coast Recycling,	Inc.
Site Name: Same as abov	re County: 1	Hillsborough
Title V Air Operation Permit No.:	0570057-006-AV	
REPORT	ING PERIOD	REPORT DEADLINE*
January 1, through D	ecember 31 of 2001 (year)	March 1, 2002
*See Rule 62-213.440(3)(a)2, F.A.	.C. I (Check only one of the followi	ng three entions)
Permit and, if applicable, the from applicable requireme burning or emission contridentified above. B. This facility was in confirming and, if applicable, incidents of deviations from	empliance with all terms and condition of the Acid Rain Part, and there were not ents associated with any malfunction of equipment, or monitoring systempliance with all terms and condition the Acid Rain Part; however, the applicable requirements associated	oreportable incidents of deviations on or breakdown of process, fuel ems during the reporting period ions of the Title V Air Operation ere were one or more reportable with malfunctions or breakdowns
of process, fuel burning or reporting period identified deviation, the following info	or emission control equipment, or above, which were reported to the formation is included:	r monitoring systems during the Department. For each incident of
 Date of report previous Description of the incident 	sly submitted identifying the incidendent.	it of deviation.
Permit and, if applicable, the	mpliance with all terms and condit he Acid Rain Part, EXCEPT those of noncompliance, the following info	identified in the pages attached to
 Specific permit conditions Description of the requirement Basis for the determination monitoring was continued Beginning and ending Identification of the propreventative measures 	nirement of the permit condition. ation of noncompliance (for monitor uous, i.e., recorded at least every 15 dates of periods of noncompliance obable cause of noncompliance and	ed parameters, indicate whether minutes, or intermittent). description of corrective action or

STATEMENT OF COMPLIANCE - TITLE V SOURCE

RESPONSIBLE OFFICIAL CERTIFICATION

I, the undersigned, am the responsible official as defined in Chapter 62-210.200, F.A.C., of the Title V source for which this document is being submitted. With respect to all matters other than Acid Rain program requirements, I hereby certify, based on the information and belief formed after reasonable inquiry, that the statements made and data contained in this document are true, accurate, and complete.

Carlos E. Aprileso	2-28-02
(Signature of Title V Source Responsible Official)	(Date)
Name: -Carlos E. Aguero Title:	President
;	
DESIGNATED REPRESENTATIVE CERTIFICATION (only	y applicable to Acid Rain source)
I, the undersigned, am authorized to make this submission on behalf a Acid Rain source or Acid Rain units for which the submission is may that I have personally examined, and am familiar with, the statements document and all its attachments. Based on my inquiry of those individed for obtaining the information, I certify that the statements and in knowledge and belief true, accurate, and complete. I am aware that submitting false statements and information or omitting required state the possibility of fine or imprisonment.	de. I certify under penalty of law and information submitted in this viduals with primary responsibility formation are to the best of my there are significant penalties for
(Signature of Acid Rain Source Designated Representative)	(Date)

{Note: Attachments, if required, are created by the responsible official or the designated representative, as appropriate, and should consist of the information specified and any supporting records. Additional information may also be attached by the responsible official or designated representative when elaboration is required for clarity. This report is to be submitted to both the compliance authority (DEP district or local air program) and the U.S. EPA (U.S. EPA Region 4, Air and EPCRA Enforcement Branch, 61 Forsyth Street, Atlanta GA 30303).}

NOTE: An amended Title V permit application will be submitted in March 2002 that addresses certain input and record *keeping issues.

DEP Form No. 62-213.900(7)

Effective: 01/03/01

COMPLIANCE CERTIFICATION

Facility Owner/Name: Gulf Coast Recycling, Inc.

Title V Air Operating Permit: 0570057-006-AV

Attached is recently submitted Compliance Statement for the Calendar Year 2001. To the best of my knowledge, after reasonable inquiry, this condition of compliance has also been maintained to date during the current calendar year. Additionally, to the best of my knowledge, after reasonable inquiry, the facility is also operating in compliance with Construction Permit No. 0570057-10-AC, for which this application is being submitted.

I, the undersigned, am the responsible official as defined in Chapter 62-210.200, F.A.C., of the Title V source for which this report is being submitted. I hereby certify, based on information and belief formed from reasonable inquiry, that the statements made and data contained in this report are true, accurate, and complete.

(Signature of Title V Soyrce Responsible Official)				2-28-02			
(Signature of Title V Source Responsible Official)				-	(Date)		
Name:	Carlos I	Ε.	Aguero	Title:	Pre	sident	