### G2 Services Ltd.

#### **CONSULTING ENGINEERS**

3119 Lithia Pinecrest Rd. Valrico, Florida 33594

Phone (813) 685-9727 Fax (813) 684-1691 G2Services@aol.com

August 2, 2002

RECEIVED

Florida Department of Environmental Protection Division of Air Resources Management, MS5500 2600 Blair Stone Road Tallahassee, Florida 32399-2400

AUG 06 2002

BUREAU OF AIR REGULATION

ATTN: Ed Svec

Re: Louis Dreyfus Citrus #0850002

#### Gentlemen:

Enclosed herewith are the following items for your review:

- 1. Four (4) sets of construction permit applications.
- 2. Four (4) sets of supplemental documents

This application is for four (4) natural gas boilers to replace co-generation steam. Gas usage will be limited to prevent triggering PSD review.

Should you have any questions please do not hesitate to contact me at my office.

Sincerely,

Wayne E. Griffin, P.E. Managing Partner

cc: Dave Baldwin
Paul Ballentine

Weg: cms



# Department of Environmental Protection

**Division of Air Resources Management** 

# RECEIVED

#### **APPLICATION FOR AIR PERMIT - TITLE V SOURCE**

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

AUG 06 2002

I. APPLICATION INFORMATION

BUREAU OF AIR REGULATION

<u>Identifi</u>	cation	of.	Facili	ty

1.	Facility Owner/Company Name:	Louis Dre	yfus Citrus, Inc.	
2.	Site Name: Louis Dreyfus Citru	s Indiantow	/n	
3.	Facility Identification Number:	0850002		[ ] Unknown
4.	Facility Location: Indiantown Street Address or Other Locator:	19100 SW	Warfield Blvd.	
	City: Indiantown	County: M	fartin	Zip Code: 34956
5.	Relocatable Facility?		6. Existing Per	rmitted Facility?
	[ ] Yes [x] No		[x]Yes	[ ] No
<u>Ar</u>	pplication Contact			
1.	Name and Title of Application C	Contact: Da	ve Baldwin, Plar	nt Manager
2.	Application Contact Mailing Ado Organization/Firm: Louis Dreyfu			
	Street Address:19100 SW Warfie	eld Blvd.		
	City: Indiantown	Sta	ite: FL	Zip Code: 34956
3.	Application Contact Telephone	Numbers:	· · · · · · · ·	
	Telephone: (772 ) 597-3511		Fax: (772)	597-2596
ļ 				
Ap	plication Processing Information	n (DEP Us	<u>e)</u>	·
1.	Date of Receipt of Application:	5	16/2002	
2.	Permit Number:		0850002	104-AC
3.	PSD Number (if applicable):			
4.	Siting Number (if applicable):			
		· · · · · · · · · · · · · · · · · · ·	•	

#### **Purpose of Application**

#### **Air Operation Permit Application**

TI	. • .	Auditoria Carata Daniela de la constanta del Constanta de la Constanta de Constanta
11	115	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:
]	]	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:
		Operation permit number to be revised:
[	]	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:
Ai:	r (	Construction Permit Application
Γh	is .	Application for Air Permit is submitted to obtain: (Check one)
X	]	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.
•	1	Air construction permit for one or more existing but uppermitted emissions units

#### Owner/Authorized Representative or Responsible Official

1.	Name and Title of Owner/Authorized Representative or Responsible Official:
Da	ve Baldwin, Plant Manager
2.	Owner/Authorized Representative or Responsible Official Mailing Address: POB 1980

Organization/Firm: Louis Dreyfus Citrus, Inc.

Street Address: 19100 SW Warfield Blvd.

City: Indiantown

State: FL

Zip Code: 34956

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

Telephone: (772 )597-3511

Fax: (772 ) 597-2596

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: Wayne E. Griffin

Registration Number: 19974

2. Professional Engineer Mailing Address:

Organization/Firm: G2 Services, Ltd.

Street Address: 3119 Lithia Pinccrest Rd.

City: Valrico

State: FL

Zip Code: 33594

8-5-02

3. Professional Engineer Telephone Numbers:

Telephone: (813) 685-9727

Fax: (813) 684-1691

<sup>\*</sup> 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 [X], if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [ ], if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions 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 S/1/22
Date

<sup>\*</sup> Attach any exception to certification statement.

#### **Scope of Application**

Emissions		Permit	Processing
Unit ID	Description of Emissions Unit	Туре	Fee
	1000 Hp Boiler #1	AF2B	0
	1000 Hp Boiler #2	AF2B	0
***************************************	1000 Hp Boiler #3	AF2B	0
	1000 Hp Boiler #4	AF2B	0
****			
			· ·

#### **Application Processing Fee**

Check one: [ ] Attached - Amount: \$_	_0	[ ]	Not Applicable
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#### **Construction/Modification Information**

1. Description of Proposed Project or Alterations:
Install 4 Johnston natural gas fired boilers to supply steam during periods of time where steam is not available from the adjacent co-generation power plant. Fuel shall natural gas only with no stand by fuel.
2. Projected on Actual Date of Commencement of Countries 20/1/02
2. Projected or Actual Date of Commencement of Construction: 9/1/02
3. Projected Date of Completion of Construction: 12/01/03
Application Comment
The facility had boilers prior to the construction of the co-generation facility.
i.

#### II. FACILITY INFORMATION

#### A. GENERAL FACILITY INFORMATION

#### **Facility Location and Type**

1.	Facility UTM Coor				4 4 > 2001 5
	Zone:		km): 54	Nor	th (km): 2991,5
2.	Facility Latitude/Lo Latitude (DD/MM/	•		Longitude (DD/MN	M/SS): 80° 31' 10"
3.	Governmental Facility Code:	4. Facility Status Code:	5.	Facility Major Group SIC Code:	6. Facility SIC(s): 2033,2037,2048
0	•	A	20		
7.	Facility Comment (	limit to 500 characte	ers):		***
Cit	rus processor fka Ca	ulkins Indiantown C	itrus		
					;

#### **Facility Contact**

1.	Name and Title of Facility Contact	: Dave Bale	lwin, Plant Manager
2.	Facility Contact Mailing Address: 1 Organization/Firm: Louis Dreyfus		
	Street Address: 19100 SW Warfield	d Blvd.	•
	City: Indiantown	State: FL	Zip Code: 34956
3.	Facility Contact Telephone Number Telephone: (772) 597-3511	ers:	Fax: (772 ) 597-2596

#### **Facility Regulatory Classifications**

#### Check all that apply:

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

#### **B. FACILITY POLLUTANTS**

#### **List of Pollutants Emitted**

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested E	missions Cap	4. Basis for Emissions	5. Pollutant Comment
Billitto	Ciaobii.	lb/hour	tons/year	Cap	
DIA					
PM					
со					
SO <sub>2</sub>					
NO <sub>x</sub>					
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			<u></u>		74

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#### C. FACILITY SUPPLEMENTAL INFORMATION

#### **Supplemental Requirements**

1.	Area Map Showing Facility Location:								
	[X ] Attached, Document ID:	_ [	]	Not	Appli	cable	[	]	Waiver Requested
2.	Facility Plot Plan:								
	[X ] Attached, Document ID:	_ [	]	Not	Appli	cable	[	]	Waiver Requested
3.	Process Flow Diagram(s):								
	[ ] Attached, Document ID:	_ [X	]	Not	Appli	cable	[	]	Waiver Requested
4.	Precautions to Prevent Emissions of Un	conf	fine	ed Pa	ırticul	ate M	latte	r:	
	[ ] Attached, Document ID:	_ [X	]	Not	Appli	cable	[	]	Waiver Requested
5.	Fugitive Emissions Identification:								
	[ ] Attached, Document ID:	_ [X	]	Not	Appli	cable	[	]	Waiver Requested
6.	Supplemental Information for Construc-	tion	Pe	rmit	Appli	cation	1:		
•	[ ] Attached, Document ID:	_[X	]	Not	Appli	cable			
7.	Supplemental Requirements Comment:				<del></del> -	<del></del>			<u> </u>
7.	Supplemental Requirements Comment:					<del></del>			
7.	Supplemental Requirements Comment:		·		···			<u>.</u>	
7.	Supplemental Requirements Comment:						•		
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7.	Supplemental Requirements Comment:								·
7.	Supplemental Requirements Comment:								-

#### Additional Supplemental Requirements for Title V Air Operation Permit Applications

8. List of Proposed Insignificant Activities:
[ ] Attached, Document ID: [X ] Not Applicable
9. List of Equipment/Activities Regulated under Title VI:
i i i
[ ] 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:
[ ] Attached, Document ID: [X ] Not Applicable
15. Compliance Certification (Hard-copy Required):
[ ] Attached, Document ID: [X ] Not Applicable

<b>Emissions</b>	Unit Infor	mation S	Section	. 1	of	4	
emission:	, Chil Thiol	mation ?	Secuon	· 1	UI.	- 4	

#### 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	ns Unit Addressed in Thi	is 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).						
ĮΧ	[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.						
[	-		on addresses, as a single emis es which produce fugitive em	•			
2.	Regulated or Uni	regulated Emissions Unit	? (Check one)				
[	The emissions emissions unit.		nissions Unit Information Sec	ction is a regulated			
[X	The emissions emissions unit.		nissions Unit Information Sec	ction is an unregulated			
	Description of Er 00 Hp Boiler #1	nissions Unit Addressed	in This Section (limit to 60 o	characters):			
4.	Emissions Unit Io ID:	dentification Number:		[X ] No ID [ ] ID Unknown			
<b>5</b> .	Emissions Unit	6. Initial Startup	7. Emissions Unit Major	8. Acid Rain Unit?			
С	Status Code:	Date:	Group SIC Code: 20	[N ]			
9.	<b>Emissions Unit C</b>	Comment: (Limit to 500 C	Characters)	<del>u </del>			
			-				
			`	**			

Emissions Unit Information	Section	1	of	4
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#### **Emissions Unit Control Equipment**

1.	Control Equipment/Method Description (Limit to 200 characters per device or method):
ı	
2	Control Device on Mathed Code (a)
2.	Control Device or Method Code(s):

#### **Emissions Unit Details**

1.	Package Unit:		
	Manufacturer: Johnston	Model	Number: 509
2.	Generator Nameplate Rating:	MW	
3.	Incinerator Information:		
	Dwell Temperature:		°F
	Dwell Time:		seconds
	Incinerator Afterburner Temperature:		°F

Emissions Unit Information Section	1 of	f 4	ļ
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#### **B. EMISSIONS UNIT CAPACITY INFORMATION** (Regulated Emissions Units Only)

#### **Emissions Unit Operating Capacity and Schedule**

1.	Maximum Heat Input Rate:	42.00	mmBtu/hr
2.	Maximum Incineration Rate:	lb/hr	tons/day
3.	Maximum Process or Through	out Rate:	
4.	Maximum Production Rate:	· · · · · · · · · · · · · · · · · · ·	
5.	Requested Maximum Operatin	g Schedule:	
		24 hours/day	7 days/week
		52 weeks/year	8760 hours/year

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<b>Emissions</b>	Unit	Information	Section	. 1	of	4
			Decisors	· •	· ·	

# C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

#### **List of Applicable Regulations**

N/A	
	·
:	
	**

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Emissions Unit Information Section 1 of
---

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

#### **Emission Point Description and Type**

Identification of Point on P     Flow Diagram? Boiler #1	lot Plan or	2. Emission Po	oint Type Code: 1		
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):					
Single Boiler stack					
4. ID Numbers or Description N/a	s of Emission U	nits with this Emi	ission Point in Comn	non:	
5. Discharge Type Code: V	6. Stack Heigh		7. Exit Diameter:		
		30 feet		3 feet	
8. Exit Temperature:	1	umetric Flow	10. Water Vapor:	0/	
440 °F	Rate: 10600	acim		% 	
11. Maximum Dry Standard Flo	ow Rate: dscfm	12. Nonstack Er	nission Point Height	feet	
13. Emission Point UTM Coord	linates:		-		
	ast (km): 548.4		h (km): 2991.5		
14. Emission Point Comment (l	imit to 200 chara	acters):			
				İ	

<b>Emissions</b>	Unit	Information	Section	. 1	of	4	
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#### E. SEGMENT (PROCESS/FUEL) INFORMATION (All Emissions Units)

Segment Description and Ra	ate: Segment	1 of1	-			
1. Segment Description (Pro	cess/Fuel Type)	(limit to 500 cha	aracters):			
		T				
2. Source Classification Cod 1-02-006-02	le (SCC):	3. SCC Units	: MMCF			
4. Maximum Hourly Rate: 0.04	5. Maximum A N/A	Annual Rate:	6. Estimated Annual Activity Factor: N/A			
7. Maximum % Sulfur: 0	8. Maximum 9	% Ash: 0	9. Million Btu per SCC Unit: 1040			
10. Segment Comment (limit		s):				
42.00 MMBTU/Hr max heat i 8760 hrs of operation	nput					
oron ind or operation						
Segment Description and Ra	ite: Segmentn	ı/a of				
1. Segment Description (Proc	cess/Fuel Type )	(limit to 500 ch	aracters):			
		<u> </u>				
2. Source Classification Code	e (SCC):	3. SCC Units	g:			
4. Maximum Hourly Rate:	5. Maximum A	Annual Rate:	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)	<u>_</u> );				
		-				
			<sup>7</sup> <b>4</b>			

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<b>Emissions</b>	Hait	Informa	tion Section	.n 1	οf	4
r.missions	Unit	iniorma	non Secu	/i) I	UI	4

# F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

1. Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant
	Device Code	Device Code	Regulatory Code
PM	N/A		NS
SO <sub>2</sub>	N/A		NS
NO <sub>X</sub>	N/A		NS
PM <sub>10</sub>	N/A		NS
СО	N/A		NS
<u> </u>			
			· · · · · · · · · · · · · · · · · · ·
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			***

Emissions Uni	t Information Section _	1	_ of	_4_	
Pollutant Deta	il Information Page	1	of	1	

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

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: n/a	2. Total Percent Efficiency of Control:
3. Potential Emissions:    lb/hour     5. Range of Estimated Fugitive Emissions:	4. Synthetically tons/year Limited? [
[ ] 1	to tons/year
6. Emission Factor:  Reference:	7. Emissions Method Code:
8. Calculation of Emissions (limit to 600 chara	acters):
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 Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 character	rs):
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):
	- " <b>~</b>

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

	ions Limitation1 of1
1. Visible Emissions Subtype: n/a	2. Basis for Allowable Opacity:
	[ ] Rule [ ] Other
3. Requested Allowable Opacity:	
•	xceptional Conditions: %
Maximum Period of Excess Opacity Allow	red: min/hour
A Mathed of Countings	
4. Method of Compliance:	
5. Visible Emissions Comment (limit to 200	characters):
Not currently tested	
I CONTINUOUS MO	NITOR INFORMATION
	Subject to Continuous Monitoring)
	•
<b>Continuous Monitoring System:</b> Continuous	Monitor I of I n/a
	Triomtol1 or1 iva
1. Parameter Code:	2. Pollutant(s):
	2. Pollutant(s):
<ol> <li>Parameter Code:</li> <li>CMS Requirement:</li> </ol>	**************************************
	2. Pollutant(s):
CMS Requirement:     Monitor Information:     Manufacturer:	2. Pollutant(s): [ ] Rule [ ] Other
3. CMS Requirement:  4. Monitor Information:     Manufacturer:     Model Number:	2. Pollutant(s):  [ ] Rule [ ] Other  Serial Number:
CMS Requirement:     Monitor Information:     Manufacturer:	2. Pollutant(s): [ ] Rule [ ] Other
3. CMS Requirement:  4. Monitor Information:     Manufacturer:     Model Number:  5. Installation Date:	Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:
3. CMS Requirement:  4. Monitor Information:     Manufacturer:     Model Number:	Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:
3. CMS Requirement:  4. Monitor Information:     Manufacturer:     Model Number:  5. Installation Date:	Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:
3. CMS Requirement:  4. Monitor Information:     Manufacturer:     Model Number:  5. Installation Date:	Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:
3. CMS Requirement:  4. Monitor Information:     Manufacturer:     Model Number:  5. Installation Date:	Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:
3. CMS Requirement:  4. Monitor Information:     Manufacturer:     Model Number:  5. Installation Date:	Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:
3. CMS Requirement:  4. Monitor Information:     Manufacturer:     Model Number:  5. Installation Date:	Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:

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

#### **Supplemental Requirements**

1 4	D 71 D'
I.	Process Flow Diagram
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
Ļ	
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
<u> </u>	D. T. I. CO. J. I. C. J. J. I. C. J. J. I. C. J. J. I. C. J. J. I. C. J. J. I. C. J. J. I. C. J. J. J. I. J. J. J. I. J.
3.	Detailed Description of Control Equipment
ł	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
-	Description of Charle Committee Carillain
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
5	Compliance Test Report
٦.	•
	[ ] Attached, Document ID:
	[ ] Previously submitted, Date:
	[X ] Not Applicable
6.	Procedures for Startup and Shutdown
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
	,
_	
7.	Operation and Maintenance Plan
7.	Operation and Maintenance Plan  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  Supplemental Information for Construction Permit Application
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
8.	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  Supplemental Information for Construction Permit Application [ ] Attached, Document ID: [X ] Not Applicable
8.	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  Supplemental Information for Construction Permit Application [ ] Attached, Document ID: [X ] Not Applicable  Other Information Required by Rule or Statute
8.	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  Supplemental Information for Construction Permit Application [ ] Attached, Document ID: [X ] Not Applicable
8. 9.	Supplemental Information for Construction Permit Application  [ ] Attached, Document ID: [X ] Not Application  [ ] Attached, Document ID: [X ] Not Applicable  Other Information Required by Rule or Statute  [ ] Attached, Document ID: [X ] Not Applicable
<b>8</b> . <b>9</b> .	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  Supplemental Information for Construction Permit Application [ ] Attached, Document ID: [X ] Not Applicable  Other Information Required by Rule or Statute
<b>8</b> . <b>9</b> .	Supplemental Information for Construction Permit Application  [ ] Attached, Document ID: [X ] Not Application  [ ] Attached, Document ID: [X ] Not Applicable  Other Information Required by Rule or Statute  [ ] Attached, Document ID: [X ] Not Applicable
8. 9.	Supplemental Information for Construction Permit Application  [ ] Attached, Document ID: [X ] Not Application  [ ] Attached, Document ID: [X ] Not Applicable  Other Information Required by Rule or Statute  [ ] Attached, Document ID: [X ] Not Applicable
8. 9.	Supplemental Information for Construction Permit Application  [ ] Attached, Document ID: [X ] Not Application  [ ] Attached, Document ID: [X ] Not Applicable  Other Information Required by Rule or Statute  [ ] Attached, Document ID: [X ] Not Applicable
8. 9.	Supplemental Information for Construction Permit Application  [ ] Attached, Document ID: [X ] Not Applicable  Other Information Required by Rule or Statute  [ ] Attached, Document ID: [X ] Not Applicable
8. 9.	Supplemental Information for Construction Permit Application  [ ] Attached, Document ID: [X ] Not Application  [ ] Attached, Document ID: [X ] Not Applicable  Other Information Required by Rule or Statute  [ ] Attached, Document ID: [X ] Not Applicable

#### 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

cinissions onit inivi mativii section 2 oi 7	Emissions Unit Information Sec	tion 2	of	4	
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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)

Er	nissions Unit Des	cription and Status					
1.	Type of Emission	ns Unit Addressed in Thi	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).						
[X	X ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.						
]	] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.						
2.	Regulated or Unr	egulated Emissions Unit	? (Check one)				
[	[ ] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.						
[X	[X ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.						
3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): 1000 Hp Boiler #2							
4.		lentification Number:					
	ID:			No ID ID Unkown			
5.	Emissions Unit	6. Initial Startup	7. Emissions Unit Major	8. Acid Rain Unit?			
С	Status Code:	Date:	Group SIC Code: 20	[N ]			
9.	Emissions Unit C	omment: (Limit to 500 C	Characters)				
			-				
				**.			

Er	nissions Unit Control Equipment		
1.	Control Equipment/Method Description (Li	mit to 200 characte	ers per device or method):
	•		
	•		
	<b>:</b>		
2.	Control Device or Method Code(s):		
En	nissions Unit Details		
1.	Package Unit:		
	Manufacturer: Johnston Model Number: 509		
2.	Generator Nameplate Rating:	MW	
	Incinerator Information:		
	Dwell Temperature:		°F
	Dwell Time: Incinerator Afterburner Temperature:		seconds °F
	memerator Atterburiler reinperature.		1

Emissions Unit Information Section \_\_\_2\_\_ of \_\_\_4\_\_

Emissions Unit Information Section	2	of	4
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# B. EMISSIONS UNIT CAPACITY INFORMATION (Regulated Emissions Units Only)

#### **Emissions Unit Operating Capacity and Schedule**

1.	Maximum Heat Input Rate:		42.00	
2.	Maximum Incineration Rate:		lb/hr	
3.	Maximum Process or Through	put Rate:		
4.	Maximum Production Rate:			
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 char	racters):	
,				

Emissions Unit Information Section	. 2	of	4	
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# C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

#### List of Applicable Regulations

N/A	
	·
	·
:	
·	·
	**

Emissions Unit Information Section	. 2	of	4	
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# D. EMISSION POINT (STACK/VENT) INFORMATION (Regulated Emissions Units Only)

#### **Emission Point Description and Type**

Flow Diagram? Boiler #2				
3. Descriptions of Emission P 100 characters per point):				
Single Boiler stack				
	•			
	•			
4. ID Numbers or Description N/a	s of Emission U	nits with this Emi	ssion Point in Comm	ion:
5. Discharge Type Code: V	6. Stack Heigh	ht:	7. Exit Diameter:	
J. Bloominge Type Cour.	0. 0	30 feet		3 feet
8. Exit Temperature: 440 °F	9. Actual Vol Rate: 10600	umetric Flow	10. Water Vapor:	%
				<del></del>
11. Maximum Dry Standard Flo	ow Rate: dscfm	12. Nonstack Er	nission Point Height	feet
13. Emission Point UTM Coord	linates:			
	ast (km): 548.4		h (km): 2991.5	
14. Emission Point Comment (	limit to 200 char	acters):		
		_		

Emissions	Unit	Information	<b>Section</b>	2	of	4

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

	(An Dina	onium Chitaj	
Segment Description and Ra	ate: Segment1	of1	
1. Segment Description (Pro	cess/Fuel Type)	(limit to 500 cl	naracters):
2. Source Classification Cod	le (SCC):	3. SCC Unit	s: MMCF
1-02-006-02			
4. Maximum Hourly Rate:	5. Maximum A	Annual Rate:	6. Estimated Annual Activity Factor: N/A
0.04	N/A  8. Maximum 9	/A Ash: O	9. Million Btu per SCC Unit:
7. Maximum % Sulfur: 0	6. Waxiiiuii 7	O ASII. U	1040
10. Segment Comment (limit	to 200 characters	):	
42.00 MMBTU/Hr max heat			
8760 hrs of operation			
		·	
Segment Description and Ra	ite: Segmentn	/aof	<del>-</del>
Segment Description (Pro			haracters):
1. Dogmene 2 ober prom (* 10			,
•			
		T	
2. Source Classification Cod	le (SCC):	3. SCC Uni	ts:
4. Maximum Hourly Rate:	5. Maximum A	Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum %	∕₀ Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit	to 200 characters	):	
· · ·			

Emiggiong	Unit	Information	Section	2	of	4	
				. —	•		

# F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

. Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant
	Device Code	Device Code	Regulatory Code
PM	N/A		NS
SO <sub>2</sub>	N/A		NS
NO <sub>X</sub>	N/A		NS
PM <sub>10</sub>	N/A		NS
CO	N/A		NS
•			
			***

<b>Emissions Unit Information Section</b>	ı2	of	4
Pollutant Detail Information Page	11	of	1

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

Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: n/a	2. Total Percent Efficiency of Control:
3. Potential Emissions: lb/hour	4. Synthetically tons/year Limited? [ ]
5. Range of Estimated Fugitive Emissions:	
	totons/year
6. Emission Factor:	7. Emissions
Reference:	Method Code:
Calculation of Emissions (limit to 600 chara      Pollutant Potential/Fugitive Emissions Com	
Allowable Emissions Allowable Emissions	of
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 characte	rs):
6. Allowable Emissions Comment (Desc. of O	neroting Mathod) (limit to 200 characters):
o. Anowable Emissions Comment (Desc. of O	perating incurous (minit to 200 characters).

Emissions	<b>Unit Information</b>	Section	2	of	4

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

<u>Visibl</u>	e Emissions Limitation: Visible Emissi	ons Limitation1 of1_	<del></del>
1. Vi	sible Emissions Subtype: n/a	2. Basis for Allowable Opacity:	
	·	[ ] Rule	[ ]
		Other	
)	equested Allowable Opacity:		
•		sceptional Conditions:	%
Ma	aximum Period of Excess Opacity Allow	eđ:	min/hour
4. Me	ethod of Compliance:		
1	sible Emissions Comment (limit to 200 currently tested	characters):	
	I. CONTINUOUS MONIT (Only Regulated Emissions Units Sulnuous Monitoring System: Continuous	bject to Continuous Monitoring)  Monitor1 of1 n/a	
1. Par	rameter Code:	2. Pollutant(s):	
3. CN	MS Requirement:	[ ] Rule	[ ]
Other			
	onitor Information:		
1	Manufacturer:		
9	lodel Number:		
	rial Number:	To a series T	+ D 4-1
5. Ins	stallation Date:	6. Performance Specification To	est Date:
7. Co	ontinuous Monitor Comment (limit to 200	) characters):	
			-
			<b>7</b> 4,

Emissions	Unit	Information	Section	2	of	4

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

#### Supplemental Requirements

1.	Process Flow Diagram
	[ ] Attached, Document ID: [X ] 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: [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:
10.	ouppremental requirements comment.

Emissions Unit Information Section 2	of	4
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# Additional Supplemental Requirements for Title V Air Operation Permit Applications

		ternative Methods of Operation
	[	] Attached, Document ID: [X ] Not Applicable
		ternative Modes of Operation (Emissions Trading)
	[	] Attached, Document ID: [X ] Not Applicable
		ntification of Additional Applicable Requirements
	[	] Attached, Document ID: [X ] Not Applicable
14.	Co	mpliance Assurance Monitoring Plan
1	[	] Attached, Document ID: [X ] Not Applicable
15.	A	id Rain Part Application (Hard-copy Required)
1	[	] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID:
1	[	Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID:
l	[	New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID:
	Ī	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

Emissions	<b>Unit Information Sec</b>	tion 3	of	4

#### 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)

<u>En</u>	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	]	process or prod		n addresses, as a single emises which has at least one defigitive emissions.		
[	]			n addresses, as a single emises which produce fugitive em		
2.	R	egulated or Unr	egulated Emissions Unit	? (Check one)		
[	]	The emissions emissions unit.	unit addressed in this Em	nissions Unit Information Sec	ction is a regulated	
[X	[X ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.					
3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): 1000 Hp Boiler #3						
4.	4. Emissions Unit Identification Number:					
	ID: [X ] No ID [ ] ID Unkown				ID Unkown	
<b>5</b> .		missions Unit	6. Initial Startup	7. Emissions Unit Major	8. Acid Rain Unit?	
С	9	tatus Code:	Date:	Group SIC Code: 20	[ 17]	
9.	Е	missions Unit C	Comment: (Limit to 500 C	Characters)		
				•	**	

Eı	Emissions Unit Control Equipment						
1.	Control Equipment/Method Description (Lin	nit to 200 characters	per device or method):				
•							
İ	•						
İ							
		•					
2.	Control Device or Method Code(s):			_			
En	nissions Unit Details						
1.	Package Unit:						
	Manufacturer: Johnston		•				
	Model Number: 509	3 6117					
	Generator Nameplate Rating:	MW					
3.	Incinerator Information:		0.57				
:	Dwell Temperature:		oF				
	Dwell Time:		seconds °F				
	Incinerator Afterburner Temperature:	·	1				

Emissions Unit Information Section \_\_\_3 \_\_ of \_\_\_4\_\_

Emissions Unit Information Section 3	ot	4
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### B. EMISSIONS UNIT CAPACITY INFORMATION (Regulated Emissions Units Only)

### **Emissions Unit Operating Capacity and Schedule**

1.	Maximum Heat Input Rate:		42.00			
2.	Maximum Incineration Rate:	···	lb/hr			
3.	Maximum Process or Throughput Rate:					
4.	Maximum Production Rate:	· · · · · · · · · · · · · · · · · · ·				
5.	Requested Maximum Operating	Schedule:				
		24 hours/day	7 days/week			
		52 weeks/year	8760 hours/year			
			•			

Emissions	<b>Unit Information Section</b>	3	of	4

### C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

#### List of Applicable Regulations

N/A		
	N/A	
	,	
		•

Emissions Unit Information Section 3	) of	4	
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### D. EMISSION POINT (STACK/VENT) INFORMATION (Regulated Emissions Units Only)

#### **Emission Point Description and Type**

Flow Diagram? Boiler #3					
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):					
Single Boiler stack					
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/a					
5. Discharge Type Code: V	6. Stack Heig	ht: 30 feet	7. Exit Diameter:	3 feet	
8. Exit Temperature: 440 °F	9. Actual Vol Rate: 10600	umetric Flow ) acfm	10. Water Vapor:	%	
11. Maximum Dry Standard Flo	ow Rate: dscfm	12. Nonstack Er	mission Point Height:	feet	
	13. Emission Point UTM Coordinates:				
Zone: 17 East (km): 548.4 North (km): 2991.5  14. Emission Point Comment (limit to 200 characters):					
14. Emission Point Comment (1	imit to 200 chan	acters).			

Emissions	Unit	Information Sec	ction 3	of	4
Triminatona		minumation De	cuou J	V.	-

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

Segment Description and Ra	<u>ite:</u> Segment1_	of1	-		
1. Segment Description (Pro	cess/Fuel Type) (l	limit to 500 cha	aracters):		
2. Source Classification Cod- 1-02-006-02	e (SCC):	3. SCC Units:	MMCF		
4. Maximum Hourly Rate:	5. Maximum Ai	nnual Rate:	6. Estimated Annual Activity		
0.04	N/A		Factor: N/A		
7. Maximum % Sulfur: 0	8. Maximum %	Ash: 0	9. Million Btu per SCC Unit: 1040		
10. Segment Comment (limit t	-	•	<u> </u>		
42.00 MMBTU/Hr max heat in 8760 hrs of operation	nput				
8700 ms or operation					
			**************************************		
Segment Description and Ra					
1. Segment Description (Proc	cess/Fuel Type) (I	limit to 500 cha	aracters):		
2. Source Classification Code	e (SCC):	3. SCC Units			
4. Maximum Hourly Rate:	5. Maximum An	ınual Rate:	6. Estimated Annual Activity Factor:		
7. Maximum % Sulfur:	8. Maximum %	Ash:	9. Million Btu per SCC Unit:		
10. Segment Comment (limit to	o 200 characters):				
•					
			***		

Emissions Unit Information Section 3 of 4	Emissions	Unit	Information Section	3	of	4
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### F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

1. Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant
	Device Code	Device Code	Regulatory Code
PM	N/A		NS
SO <sub>2</sub>	N/A		NS
NO <sub>X</sub>	N/A		NS
PM <sub>10</sub>	N/A		NS
СО	N/A		NS
	******		
			**,

Emissions	Unit Informa	tion Section	3	of	4
Pollutant 1	Detail Informa	ation Page	1	of	1

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

#### Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

1. Pollutant Emitted: n/a	2. Total Percent Efficiency of Control:
3. Potential Emissions:    lb/hour     5. Range of Estimated Fugitive Emissions:	tons/year 4. Synthetically Limited? [ ]
[ ] 1 [ ] 2 [ ] 3	totons/year
6. Emission Factor:  Reference:	7. Emissions Method Code:
8. Calculation of Emissions (limit to 600 chara	cters):
9. Pollutant Potential/Fugitive Emissions Comm	nent (limit to 200 characters):
Allowable Emissions Allowable Emissions	of
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
<ul><li>5. Method of Compliance (limit to 60 character)</li><li>6. Allowable Emissions Comment (Desc. of Op</li></ul>	
	***

Emissions	Unit	Information	Section	3	οf	4	
Trini2210H2	UHIL	Inivi mauvii	SCCHOL	J	VI	7	

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

Basis for Allowable Opacity:     Rule     Other
ceptional Conditions: % ed: min/hour
haracters):
OR INFORMATION bject to Continuous Monitoring) Monitor1 of1 n/a
2. Pollutant(s):
2. Pollutant(s):  [ ] Rule [ ]
``
``

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

#### **Supplemental Requirements**

1.	Process Flow Diagram
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
<u> </u>	Fuel Analysis or Specification
۷.	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
	[ ] Attached, Seedings 25. [12]
3.	Detailed Description of Control Equipment
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
	D. J. C. C. C. Compling Englishing
4.	Description of Stack Sampling Facilities  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
	[ ] Attached, Document ID. [X ] Not Applicable [ ] Walver Requested
5.	Compliance Test Report
	[ ] Attached, Document ID:
	Previously submitted, Date:
	[X ] Not Applicable
	[X ] Not Application
6	Procedures for Startup and Shutdown
٥.	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
·	
7.	Operation and Maintenance Plan
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
Q	Supplemental Information for Construction Permit Application
О.	[ ] Attached, Document ID: [X ] Not Applicable
9.	Other Information Required by Rule or Statute
	[ ] Attached, Document ID: [X ] Not Applicable
10	Supplemental Requirements Comment:
10.	Supplemental requirements comments

Emissions	Unit	Information	Section	3	of	4

### Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation	
[ ] Attached, Document ID [X ] Not Applicable	
[ ] Attached, Document is: [X ] Not ripphedicte	
12. Alternative Modes of Operation (Emissions Trading)	
[ ] Attached, Document ID: [X ] Not Applicable	
[ ] Attaclica, 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:	
[ ] Detired Unit Evenntian (Form No. 62.210.000(1)(a)3.)	
[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID:	
·	- 1
[ ] Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)	
Attached, Document ID:	į
Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)	
Attached, Document ID:	
[X ] Not Applicable	

Emissions	<b>Unit Information</b>	Section	4	of	4	

#### 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)

<u>En</u>	nissions Unit Desc	cription and Status			
1.	Type of Emission	ns Unit Addressed in This	s Section: (Check one)		
[	process or prod		on addresses, as a single emiss which produces one or more on point (stack or vent).		
[X	process or prod		n addresses, as a single emises which has at least one defi gitive emissions.		
[			n addresses, as a single emises which produce fugitive em		
2.	Regulated or Unr	egulated Emissions Unit	? (Check one)		
[	] The emissions unit.	unit addressed in this Em	nissions Unit Information Sec	ction is a regulated	
[X	] The emissions unit.	unit addressed in this Em	nissions Unit Information Sec	ction is an unregulated	
	3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): 1000 Hp Boiler #4				
4.		lentification Number:			
	ID:			No ID ID Unkown	
5.	Emissions Unit	6. Initial Startup	7. Emissions Unit Major	8. Acid Rain Unit?	
С	Status Code:	Date:	Group SIC Code: 20	[N ]	
9.	Emissions Unit C	omment: (Limit to 500 C	Characters)		
			-		
			•	7%,	

Eı	missions Unit Control Equipment	
	Control Equipment/Method Description (Limit to 200 characters per device or method):	
2.	Control Device or Method Code(s):	
<u>Eı</u>	nissions Unit Details	
1.	Package Unit:	
	Manufacturer: Johnston  Model Number: 509	
2.		
3.	Incinerator Information:  Dwell Temperature:  °F	
	Dwell Temperature: °F  Dwell Time: seconds	
	Incinerator Afterburner Temperature: °F	

Emissions Unit Information Section \_\_\_4\_\_ of \_\_\_4\_\_

<b>Emissions</b>	Unit	Information	Section	4	of	4

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

#### **Emissions Unit Operating Capacity and Schedule**

1.	Maximum Heat Input Rate:		42.00	
2.	Maximum Incineration Rate:		lb/hr	
3.	Maximum Process or Through	put Rate:		
4.	Maximum Production Rate:			
5.	Requested Maximum Operatin	g Schedule:		
		24 hours/day	7 days/week	
		52 weeks/year	8760 hours/year	
6.	Operating Capacity/Schedule (	Comment (limit to 200 cha	racters):	

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### C. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

#### **List of Applicable Regulations**

Dist of Applicable Regulations	
N/A	
	·
	•
	· · · · · · · · · · · · · · · · · · ·

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

#### **Emission Point Description and Type**

Identification of Point on P     Flow Diagram? Boiler #4	lot Plan or	2. Emission Po	oint Type Code: 1	
3. Descriptions of Emission Polymer 100 characters per point):	oints Comprising	g this Emissions 1	Unit for VE Tracking	g (limit to
Single Boiler stack				
4. ID Numbers or Description	s of Emission U	nits with this Emi	ission Point in Comn	non:
N/a		,		
5. Discharge Type Code: V	6. Stack Heigh	ht: 30 feet	7. Exit Diameter:	3 feet
8. Exit Temperature: 440 °F	9. Actual Vol Rate: 10600	umetric Flow O acfm	10. Water Vapor:	%
·	<u>.</u> .		i i i i Dii Affii ala	
11. Maximum Dry Standard Flo	dscfm	12. Nonstack Et	nission Point Height	feet
13. Emission Point UTM Coord	linates:			
<u> </u>	ast (km): 548.4		h (km): 2991.5	
14. Emission Point Comment (I	imit to 200 char	acters):		
	•			

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

Segment Description and Rate: Segment1 of1	
1. Segment Description (Process/Fuel Type) (limit to 500 characters):	
2. Source Classification Code (SCC): 3. SCC Units: MMCF	
1-02-006-02 4. Maximum Hourly Rate: 5. Maximum Annual Rate: 6. Estimated Annual A	ctivity
0.04 N/A Factor: N/A	our ricy
7. Maximum % Sulfur: 0 8. Maximum % Ash: 0 9. Million Btu per SCC 1040	C Unit:
10. Segment Comment (limit to 200 characters):	
42.00 MMBTU/Hr max heat input 8760 hrs of operation	
8700 his of operation	
Segment Description and Rate: Segmentn/a of	·
1. Segment Description (Process/Fuel Type) (limit to 500 characters):	
2. Source Classification Code (SCC):  3. SCC Units:	
4. Maximum Hourly Rate: 5. Maximum Annual Rate: 6. Estimated Annual Ac Factor:	tivity
7. Maximum % Sulfur: 8. Maximum % Ash: 9. Million Btu per SCC	Unit:
10. Segment Comment (limit to 200 characters):	
<del>-</del>	

<b>Emissions</b>	Unit	Information	Section	4	of	4

### F. EMISSIONS UNIT POLLUTANTS (All Emissions Units)

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	N/A		NS
SO <sub>2</sub>	N/A		NS
NO <sub>X</sub>	N/A		NS
PM <sub>10</sub>	N/A		NS
СО	N/A		NS
<u> </u>			
		•	
			*

<b>Emissions Unit Information Section</b>	4	of	4
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## G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units Emissions-Limited and Preconstruction Review Pollutants Only)

#### Potential/Fugitive Emissions

	¥		
1. Pollutant Emitted: n/a	1. Pollutant Emitted: n/a  2. Total Percent Efficiency of Control:		
3. Potential Emissions:	•	4. Synthetically	
lb/hour	tons/year	Limited? [ ]	
5. Range of Estimated Fugitive Emissions:		<u> </u>	
[]1 []2 []3	to to	ns/year	
6. Emission Factor:		7. Emissions	
Reference:		Method Code:	
8. Calculation of Emissions (limit to 600 char	acters):		
		;	
9. Pollutant Potential/Fugitive Emissions Com	ment (limit to 200 charac	ters):	
_			
		İ	
Allowable Emissions Allowable Emissions	of		
1. Basis for Allowable Emissions Code:	2. Future Effective Da	te of Allowable	
	Emissions:		
3. Requested Allowable Emissions and Units:	4. Equivalent Allowab	ole Emissions:	
	lb/hour	`tons/year	
5. Method of Compliance (limit to 60 characte	ers):		
-			
6. Allowable Emissions Comment (Desc. of O	nerating Method) (limit to	200 characters)	
o. Amovacio Emissioni Comment (2000. of C	Potentia (minute)	200 (1141401015).	
	<del>-</del>	7.	
	*	`	

<b>Emissions</b>	Unit	Information	Section	4	of	4

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

Visible Emissions Limitation: Visible Emiss	ions Limitation1 of1_	<del></del>
1. Visible Emissions Subtype: n/a	2. Basis for Allowable Opacity	<u>';</u>
, -	[ ] Rule	[ ]
	Other	
3. Requested Allowable Opacity:		<b>n</b> .
	exceptional Conditions:	%
Maximum Period of Excess Opacity Allov	ved:	min/hour
A Mathed of Compliance		
4. Method of Compliance:		
5. Visible Emissions Comment (limit to 200	characters):	
Not currently tested		
•		
· · · · · · · · · · · · · · · · · · ·		
I. CONTINUOUS MONI (Only Regulated Emissions Units Su Continuous Monitoring System: Continuous	bject to Continuous Monitoring)	)
- <del></del>	bject to Continuous Monitoring)	)
(Only Regulated Emissions Units Su <u>Continuous Monitoring System</u> ; Continuous 1. Parameter Code:	Monitor1 of1 n/a  2. Pollutant(s):	)
(Only Regulated Emissions Units Su  Continuous Monitoring System: Continuous  1. Parameter Code:  3. CMS Requirement:	bject to Continuous Monitoring	[ ]
(Only Regulated Emissions Units Su <u>Continuous Monitoring System:</u> Continuous 1. Parameter Code: 3. CMS Requirement: Other	Monitor1 of1 n/a  2. Pollutant(s):	[ ]
(Only Regulated Emissions Units Su  Continuous Monitoring System: Continuous  1. Parameter Code:  3. CMS Requirement:	Monitor1 of1 n/a  2. Pollutant(s):	[ ]
(Only Regulated Emissions Units Su Continuous Monitoring System; Continuous  1. Parameter Code:  3. CMS Requirement: Other  4. Monitor Information:	Monitor1 of1 n/a  2. Pollutant(s):	[ ]
(Only Regulated Emissions Units Su  Continuous Monitoring System: Continuous  1. Parameter Code:  3. CMS Requirement: Other  4. Monitor Information: Manufacturer:	Monitor1 of1 n/a  2. Pollutant(s):	[ ]
(Only Regulated Emissions Units Su  Continuous Monitoring System: Continuous  1. Parameter Code:  3. CMS Requirement: Other  4. Monitor Information: Manufacturer: Model Number:	Monitor1 of1 n/a  2. Pollutant(s):	[ ]
(Only Regulated Emissions Units Su  Continuous Monitoring System: Continuous  1. Parameter Code:  3. CMS Requirement: Other  4. Monitor Information:     Manufacturer:     Model Number:     Serial Number: 5. Installation Date:	Monitor1 of1 n/a  2. Pollutant(s):  [ ] Rule	[ ]
(Only Regulated Emissions Units Su Continuous Monitoring System; Continuous  1. Parameter Code:  3. CMS Requirement: Other  4. Monitor Information: Manufacturer: Model Number: Serial Number:	Monitor1 of1 n/a  2. Pollutant(s):  [ ] Rule	[ ]
(Only Regulated Emissions Units Su  Continuous Monitoring System: Continuous  1. Parameter Code:  3. CMS Requirement: Other  4. Monitor Information:     Manufacturer:     Model Number:     Serial Number: 5. Installation Date:	Monitor1 of1 n/a  2. Pollutant(s):  [ ] Rule	[ ]
(Only Regulated Emissions Units Su  Continuous Monitoring System: Continuous  1. Parameter Code:  3. CMS Requirement: Other  4. Monitor Information:     Manufacturer:     Model Number:     Serial Number: 5. Installation Date:	Monitor1 of1 n/a  2. Pollutant(s):  [ ] Rule	[ ]
(Only Regulated Emissions Units Su  Continuous Monitoring System: Continuous  1. Parameter Code:  3. CMS Requirement: Other  4. Monitor Information:     Manufacturer:     Model Number:     Serial Number: 5. Installation Date:	Monitor1 of1 n/a  2. Pollutant(s):  [ ] Rule	[ ]
(Only Regulated Emissions Units Su  Continuous Monitoring System: Continuous  1. Parameter Code:  3. CMS Requirement: Other  4. Monitor Information:     Manufacturer:     Model Number:     Serial Number: 5. Installation Date:	Monitor1 of1 n/a  2. Pollutant(s):  [ ] Rule	[ ]
(Only Regulated Emissions Units Su  Continuous Monitoring System: Continuous  1. Parameter Code:  3. CMS Requirement: Other  4. Monitor Information:     Manufacturer:     Model Number:     Serial Number: 5. Installation Date:	Monitor1 of1 n/a  2. Pollutant(s):  [ ] Rule	[ ]

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

#### **Supplemental Requirements**

1.	Process Flow Diagram
	[ ] Attached, Document ID: [X ] 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: [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:
	·

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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 Attached, Document ID:	* * * * * *
[	] Repowering Extension Plan (Fo Attached, Document ID:	
[	] New Unit Exemption (Form No. Attached, Document ID:	
Ţ	] Retired Unit Exemption (Form MATTACHED, Document ID:	* * * * *
ſ	Phase II NOx Compliance Plan ( Attached, Document ID:	
[	Phase NOx Averaging Plan (For Attached, Document ID:	
[X	] Not Applicable	

# LOUIS DREYFUS CITRUS, INC.

## SUPPLEMENTAL DOCUMENTS

8/1/00

#### **EMISSION CALCULATIONS**

Louis Dreyfus Citrus, Inc. #0850002

### **BOILERS**GENERAL

Proposed Boilers #1, #2, #3, and #4 are similar Johnston firetube steam boilers. The boilers will be natural gas fired with no standby fuel. The original boilers were removed prior to issuance of the Title V Permit. Total gas usage for all boilers will be limited to 600 mmcf.

#### $NO_X$

**Emission Factor:** 

100 #/mmcf AP42 Table 1.4-1

Gas Usage:

600 mmcf/yr

**Emissions**:

600 x 100 #/2000#/TN

30 tons/year

<u>CO</u>

**Emission factor:** 

84 #/mmcf A

AP42 Table 1.4-1

Gas Usage:

600 mmcf

**Emission**:

600 x 84 #/2000 #/TN

25.2 tons/year

#### **PARTICULATES**

**Emission Factor:** 

7.6 #/mmcf AP42 Table 1.4-2

Gas Usage:

600 mmcf

**Emissions**:

600 x 7.6 #/2000 #/TN

2.28 tons/year

**VOC** 

**Emission Factor:** 

5.5 #/mmcf AP42 Table 1.4-2

Gas Usage:

600 mmcf

**Emissions**:

600 x 5.5 #/2000 #/TN

1.65 tons/year

<u>SO<sub>2</sub></u>

**Emission Factor:** 

0.6 #/mmcf AP42 Table 1.4-2

Gas Usage:

600 mmcf

Emissions:

600 x 0.6 #/2000 #/TN

=

0.18 tons/year

### Louis Dreyfus Citrus Indiantown



