939 Ellis Street . . . San Francisco, CA 94109. . . (415) 749-4990 . . . fax (415) 749-5030

**Data Form C FUEL COMBUSTION SOURCE** 

Website: www.baaqmd.gov

(for District use only)
New □ Modified □ Retro □

Date: October 23, 2009

Form C is for all operations which burn fuel except for internal combustion engines (use Form ICE unless it is a gas turbine; for gas turbines use this form). If the operation also involves evaporation of any organic solvent, complete Form S and attach to this form. If the operation involves a process which generates any other air pollutants, complete Form G and attach to this form.

		his source has a secondary fur on Form A (using the source r			
1.	Company Name:	Mirant Marsh landing, LLC		(If unknown, le Plant No: 19169	•
2.			Natural Gas-Fired CTG #1		
3.	Make, Model: S	Siemens SGT6 5000F Natural	Gas-Fired CTG Maxi	mum firing rate: 2202	MM Btu/hr
4.	Date of modificatio	on or initial operation:	(if unknown, le	ave blank)	
5.	Primary use (check	abatement devi			
6.	SIC NumberIf unknown	own leave blank			
7.	Equipment type (ch	heck one)			
	Internal combustion	Use Form ICE (Internal Com	bustion Engine) unless it is	a gas turbine	
		⊠ gas turbine □ other		hp	
	Incinerator	salvage operation liquid waste	☐ pathological waste ☐ other		ture°F ce timeSec
	Others	<ul><li>□ boiler</li><li>□ afterburner</li><li>□ flare</li><li>□ open burning</li><li>□ other</li></ul>	☐ dryer ☐ oven ☐ furnace Materia ☐ kiln	al dried, baked, or heate	ed:
9.	Overfire air? Flue gas recircula Air preheat?	yes ⊠ no ution? □ yes ⊠ no □ yes ⊠ no □ yes ⊠ no	If yes, what percent If yes, what percent Temperature  °F		
11.	Low NO <sub>x</sub> burners?	? ⊠ yes □ no	Make, Model Siemens, U	Itra Low NOx Combust	or
12.	Maximum flame to	emperature°F			
13.		ucts: Wet gas flowrate <u>3,159</u> content dry volume %		% excess air	
14.	Typical Use 2	24 hours/day 7	days/week	10.4 weeks/year (	1,752 hrs/yr)
15.	Typical % of annu	ual total: Dec-Feb <u>25</u> %	Mar-May <u>25</u> % J	un-Aug <u>25</u> %	Sep-Nov <u>25</u> %
16.	With regard to air	pollutant flow, what source(s)		immediately UPSTREA	AM? <b>A</b>
	With regard to air DOWNSTREAM?	pollutant flow, what source(s)	or abatement device(s), and		e immediately

Person completing this form:

Mark Strehlow

#### **FUELS**

INSTRUCTIONS: Complete one line in Section A for each fuel. Section B is OPTIONAL. Please use the units at the bottom of each table. N/A means "Not Applicable."

### **SECTION A:** FUEL DATA

	Fuel Name	Fuel Code**	Total Annual Usage***	Maximum Possible Fuel Use Rate	Typical Heat Content	Sulfur Content	Nitrogen Content (optional)	Ash Content (optional)
1.	Natural Gas		3.86E+7	2202 MM	N/A	N/A	N/A	N/A
2.								
3.								
4.								
5.								

Use the appropriate	Natural Gas	therm*	Btu/hr	N/A	N/A	N/A	N/A
units for each fuel	Other Gas	MSCF*	MSCF/hr	Btu/MSCF	ppm	N/A	N/A
	Liquid	m gal*	m gal/hr	Btu/m gal	wt%	wt%	wt%
	Solid	ton	ton/hr	Btu/ton	wt%	wt%	wt%

#### **SECTION B**: EMISSION FACTORS (optional)

			Particu	lates	NO	х	CC	)
	Fuel Name	Fuel Code**	Emission Factor	**Basis Code	Emission Factor	**Basis Code	Emission Factor	**Basis Code
1.								
2.								
3.								
4.								

Use the appropriate units for each fuel: Natural Gas = lb/therm\*

Other Gas = Ib/MSCF\* Liquid = lb/m gal\* Solid = lb/ton

Note: MSCF = thousand standard cubic feet

m gal = thousand gallons

therm = 100,000 BTU

See tables below for Fuel and Basis Codes

Total annual usage is: - Projected usage over next 12 months if equipment is new or modified.
- Actual usage for last 12 months if equipment is existing and unchanged.

	**F	uel Code	es	**Basis Codes				
Code	Fuel	Code	Fuel	Code	Method			
25	Anthracite coal	189	Natural Gas	0	Not applicable for this pollutant			
33	Bagasse	234	Process gas - blast furnace	1	Source testing or other measurement by plant (attach copy)			
35	Bark	235	Process gas - CO	2	Source testing or other measurement by BAAQMD (give date)			
43	Bituminous coal	236	Process gas - coke oven gas	3	Specifications from vendor (attach copy)			
47	Brown coal	238	Process gas - RMG	4	Material balance by plant using engineering expertise and			
242	Bunker C fuel oil	237	Process gas - other		knowledge of process			
80	Coke	242	Residual oil	5	Material balance by BAAQMD			
89	Crude oil	495	Refuse derived fuel	6	Taken from AP-42 (compilation of Air Pollutant Emission			
98	Diesel oil	511	Landfill gas		Factors, EPA)			
493	Digester gas	256	Solid propellant	7	Taken from literature, other than AP-42 (attach copy)			
315	Distillate oil	466	Solid waste	8	Guess			
392	Fuel oil #2	304	Wood - hogged					
551	Gasoline	305	Wood - other					
158	Jet fuel	198	Other - gaseous fuels					
160	LPG	200	Other - liquid fuels					
165	Lignite	203	Other - solid fuels					
167	Liquid waste							
494	Municipal solid waste							

(revised: 6/01)

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Website: www.baaqmd.gov

_	(for District use only)
L	New □ Modified □ Retro □

Date: October 23, 2009

Form C is for all operations which burn fuel except for internal combustion engines (use Form ICE unless it is a gas turbine; for gas turbines use this form). If the operation also involves evaporation of any organic solvent, complete Form S and attach to this form. If the operation involves a process which generates any other air pollutants, complete Form G and attach to this form.

		his source has a secondary ful on Form A (using the source i			
1.	Company Name:	Mirant Marsh landing, LLC		(If unknown, le Plant No: 19169	ave blank) Source No. S-2
2.			Natural Gas-Fired CTG #2		
3.		Siemens SGT6 5000F Natural	Gas-Fired CTG Max	imum firing rate: 2202	MM Btu/hr
4.	Date of modificatio	on or initial operation:	(if unknown, le	eave blank)	
5.	Primary use (check	abatement dev			
6.	SIC NumberIf unknown	own leave blank			
7.	Equipment type (ch				
	Internal combustion	Use Form ICE (Internal Com	bustion Engine) unless it is	a gas turbine	
		⊠ gas turbine □ other		hp	
	Incinerator	salvage operation liquid waste	☐ pathological waste ☐ other		ture°F ce timeSec
	Others	☐ boiler ☐ afterburner ☐ flare ☐ open burning ☐ other	☐ dryer ☐ oven ☐ furnace Materia	al dried, baked, or heate	ed:
9.	Overfire air? Flue gas recircula Air preheat?	yes ⊠ no ution? □ yes ⊠ no □ yes ⊠ no □ yes ⊠ no	If yes, what percent If yes, what percent Temperature °F	%	
11.	. Low NO <sub>x</sub> burners?	? ⊠ yes □ no	Make, Model Siemens, L	Iltra Low NOx Combust	or_
12.	. Maximum flame te	emperature°F			
13.		ucts: Wet gas flowrate <u>3,159</u> content dry volume %		% excess air	
14.	Typical Use 2	24 hours/day 7	days/week	10.4 weeks/year (1,	752hrs/yr)
15.	Typical % of annu	ual total: Dec-Feb <u>25</u> %	Mar-May <u>25</u> %	Jun-Aug <u>25</u> %	Sep-Nov <u>25</u> %
16.	With regard to air	pollutant flow, what source(s)  S S	or abatement device(s) are		AM? <b>A</b>
	With regard to air DOWNSTREAM?	pollutant flow, what source(s)  A 3 A	, ,	d/or emission points are	e immediately

Person completing this form:

Mark Strehlow

#### **FUELS**

INSTRUCTIONS: Complete one line in Section A for each fuel. Section B is OPTIONAL. Please use the units at the bottom of each table. N/A means "Not Applicable."

### **SECTION A:** FUEL DATA

	Fuel Name	Fuel Code**	Total Annual Usage***	Maximum Possible Fuel Use Rate	Typical Heat Content	Sulfur Content	Nitrogen Content (optional)	Ash Content (optional)
1.	Natural Gas		3.86E+7	2202 MM		N/A	N/A	N/A
2.								
3.								
4.								
5.								

Use the appropriate	Natural Gas	therm*	Btu/hr	N/A	N/A	N/A	N/A
units for each fuel	Other Gas	MSCF*	MSCF/hr	Btu/MSCF	ppm	N/A	N/A
	Liquid	m gal*	m gal/hr	Btu/m gal	wt%	wt%	wt%
	Solid	ton	ton/hr	Btu/ton	wt%	wt%	wt%

#### **SECTION B**: EMISSION FACTORS (optional)

			Particu	lates	NO	х	CC	)
	Fuel Name	Fuel Code**	Emission Factor	**Basis Code	Emission Factor	**Basis Code	Emission Factor	**Basis Code
1.								
2.								
3.								
4.								

Use the appropriate units for each fuel: Natural Gas = Ib/therm\*

Other Gas = Ib/MSCF\* Liquid = lb/m gal\* Solid = lb/ton

Note: MSCF = thousand standard cubic feet

m gal = thousand gallons

therm = 100,000 BTU

See tables below for Fuel and Basis Codes

Total annual usage is: - Projected usage over next 12 months if equipment is new or modified.
- Actual usage for last 12 months if equipment is existing and unchanged.

	**F	uel Code	es	**Basis Codes				
Code	Fuel	Code	Fuel	Code	Method			
25	Anthracite coal	189	Natural Gas	0	Not applicable for this pollutant			
33	Bagasse	234	Process gas - blast furnace	1	Source testing or other measurement by plant (attach copy)			
35	Bark	235	Process gas - CO	2	Source testing or other measurement by BAAQMD (give date)			
43	Bituminous coal	236	Process gas - coke oven gas	3	Specifications from vendor (attach copy)			
47	Brown coal	238	Process gas - RMG	4	Material balance by plant using engineering expertise and			
242	Bunker C fuel oil	237	Process gas - other		knowledge of process			
80	Coke	242	Residual oil	5	Material balance by BAAQMD			
89	Crude oil	495	Refuse derived fuel	6	Taken from AP-42 (compilation of Air Pollutant Emission			
98	Diesel oil	511	Landfill gas		Factors, EPA)			
493	Digester gas	256	Solid propellant	7	Taken from literature, other than AP-42 (attach copy)			
315	Distillate oil	466	Solid waste	8	Guess			
392	Fuel oil #2	304	Wood - hogged					
551	Gasoline	305	Wood - other					
158	Jet fuel	198	Other - gaseous fuels					
160	LPG	200	Other - liquid fuels					
165	Lignite	203	Other - solid fuels					
167	Liquid waste							
494	Municipal solid waste							

(revised: 6/01)

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**Data Form C FUEL COMBUSTION SOURCE** 

Website: www.baaqmd.gov

(for District use only)						
Nev	/ □ Modified □ Retr	то 🗆				

Date: October 23, 2009

Form C is for all operations which burn fuel except for internal combustion engines (use Form ICE unless it is a gas turbine; for gas turbines use this form). If the operation also involves evaporation of any organic solvent, complete Form S and attach to this form. If the operation involves a process which generates any other air pollutants, complete Form G and attach to this form.

l		on Form A (using the							
1.	Company Name:	Mirant Marsh landin	a IIC			Plan	(If unknown, le t No: 19169	•	lo S-3
2.		& Number, or Descrip		ral Gas-Fi	ed CTG #3		1110. 10100	Course	
3.	• •	iemens SGT6 5000F		Fired CTG	Ma	aximum firing	g rate: 2202	MM Bt	u/hr
4.	Date of modification	n or initial operation:		(	if unknown,	leave blank)			
5.	Primary use (check	abaten	cal generation nent device ss heat; materi	☐ cc	generation	n 🗌 re:	aste disposal source recov		testing other
6.	SIC Number	own leave blank							
7.	Equipment type (check one)								
	Internal combustion	Use Form ICE (Inter	rnal Combusti	on Engine	) unless it i	is a gas turb	ine		
		⊠ gas turbine □ other				hp			
	Incinerator	salvage operatio		pathologic			Tempera	ture	°F
		☐ liquid waste						ce time	
	Others	□ boiler     □ afterburner     □ flare     □ open burning     □ other		dryer oven furnace kiln	Mate	rial dried, ba	iked, or heate	ed:	
9.	Overfire air? Flue gas recirculat Air preheat?	tion? $\square$ yes $\boxtimes$	no If y	es, what p	percent percent o	%			
	Low NO <sub>x</sub> burners?	•	1	-		•	Ox Combust	or	
12.	Maximum flame te	emperature	°F	ŕ					
13.		ucts: Wet gas flowra				r % e	xcess air		
14.	Typical Use 2	4 hours/day	_7 da	ys/week	<u>-</u>	10.4 week	ks/year (1,7	52 hrs/yr)	
15.	Typical % of annu	al total: Dec-Feb	<u>25</u> % N	/lar-May	<u>25</u> %	Jun-Aug	<u>25</u> %	Sep-Nov	<u>25</u> %
16.	With regard to air	pollutant flow, what s	ource(s) or ab	atement o	levice(s) ar	e immediate	ely UPSTRE	AM?	
	s s	s	S	s	_ s	A	A	A	
	With regard to air DOWNSTREAM?  S S	pollutant flow, what s	ource(s) or ab	eatement o	levice(s), a	nd/or emiss	ion points are	e immediat	ely
		<u> </u>							

Person completing this form:

Mark Strehlow

#### **FUELS**

INSTRUCTIONS: Complete one line in Section A for each fuel. Section B is OPTIONAL. Please use the units at the bottom of each table. N/A means "Not Applicable."

### **SECTION A:** FUEL DATA

	Fuel Name	Fuel Code**	Total Annual Usage***	Maximum Possible Fuel Use Rate	Typical Heat Content	Sulfur Content	Nitrogen Content (optional)	Ash Content (optional)
1.	Natural Gas		3.86E+7	2202 MM	N/A	N/A	N/A	N/A
2.								
3.								
4.								
5.								

Use the appropriate	Natural Gas	therm*	Btu/hr	N/A	N/A	N/A	N/A
units for each fuel	Other Gas	MSCF*	MSCF/hr	Btu/MSCF	ppm	N/A	N/A
	Liquid	m gal*	m gal/hr	Btu/m gal	wt%	wt%	wt%
	Solid	ton	ton/hr	Btu/ton	wt%	wt%	wt%

#### **SECTION B**: EMISSION FACTORS (optional)

			Particulates		NOx		СО	
	Fuel Name	Fuel Code**	Emission Factor	**Basis Code	Emission Factor	**Basis Code	Emission Factor	**Basis Code
1.								
2.								
3.								
4.								

Use the appropriate units for each fuel: Natural Gas = Ib/therm\*

Other Gas = Ib/MSCF\* Liquid = lb/m gal\* Solid = lb/ton

Note: MSCF = thousand standard cubic feet

m gal = thousand gallons

therm = 100,000 BTU

See tables below for Fuel and Basis Codes

Total annual usage is: - Projected usage over next 12 months if equipment is new or modified.
- Actual usage for last 12 months if equipment is existing and unchanged.

	**F	uel Code	es		**Basis Codes
Code	Fuel	Code	Fuel	Code	Method
25	Anthracite coal	189	Natural Gas	0	Not applicable for this pollutant
33	Bagasse	234	Process gas - blast furnace	1	Source testing or other measurement by plant (attach copy)
35	Bark	235	Process gas - CO	2	Source testing or other measurement by BAAQMD (give date)
43	Bituminous coal	236	Process gas - coke oven gas	3	Specifications from vendor (attach copy)
47	Brown coal	238	Process gas - RMG	4	Material balance by plant using engineering expertise and
242	Bunker C fuel oil	237	Process gas - other		knowledge of process
80	Coke	242	Residual oil	5	Material balance by BAAQMD
89	Crude oil	495	Refuse derived fuel	6	Taken from AP-42 (compilation of Air Pollutant Emission
98	Diesel oil	511	Landfill gas		Factors, EPA)
493	Digester gas	256	Solid propellant	7	Taken from literature, other than AP-42 (attach copy)
315	Distillate oil	466	Solid waste	8	Guess
392	Fuel oil #2	304	Wood - hogged		
551	Gasoline	305	Wood - other		
158	Jet fuel	198	Other - gaseous fuels		
160	LPG	200	Other - liquid fuels		
165	Lignite	203	Other - solid fuels		
167	Liquid waste				
494	Municipal solid waste				

(revised: 6/01)

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**Data Form C FUEL COMBUSTION SOURCE** 

Website: 1	www.baaqmd.gov
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New	□ Modified □	□ Retro □					

Date: October 23, 2009

Form C is for all operations which burn fuel except for internal combustion engines (use Form ICE unless it is a gas turbine; for gas turbines use this form). If the operation also involves evaporation of any organic solvent, complete Form S and attach to this form. If the operation involves a process which generates any other air pollutants, complete Form G and attach to this form.

L		on Form A (using the so								
1	Company Name:	Mirant Marsh landing,	11.0			(If unknown, leav No: 19169	•	0 5 4		
1. 2.		& Number, or Description		Fired CTG #4		10. 19109	Source iv	0. 3-4		
3.	· ·	iemens SGT6 5000F Na				rate: 2202M	M Bt	u/hr		
4.	,									
5.	Primary use (check	abateme		space heat cogeneration	☐ res	ste disposal ource recover		testing other		
6.	SIC Number	own leave blank								
7.	Equipment type (check one)									
	Internal combustion	Use Form ICE (Interna	al Combustion Engi	ne) unless it is	s a gas turbir	ne				
		gas turbine     other			hp					
	Incinerator	salvage operation		gical waste	··P	Temperatu	ıre	°F		
	menterator	☐ liquid waste		gicai waste						
	Others	boiler     afterburner     flare     open burning     other	☐ dryer ☐ oven ☐ furnace ☐ kiln	Mater	rial dried, bak	ed, or heated	d:			
9.	Overfire air? Flue gas recirculat Air preheat?	☐ yes ☐ no tion? ☐ yes ☐ no ☐ yes ☐ no	o If yes, wha	nt percent nt percent ure o <sub>l</sub>	%					
	Low NO <sub>x</sub> burners?	- ·	_	del <u>Siemens,</u>		x Combustor				
12.	Maximum flame te	emperature°F								
13.		ucts: Wet gas flowrate ontent dry volun			· % ex	cess air				
14.	Typical Use 2	4 hours/day	7 days/weel	·	10.4 weeks	s/year (1,75	2 hrs/yr)			
15.	Typical % of annu	al total: Dec-Feb 2	<u>5</u> % Mar-May	<u>25</u> %	Jun-Aug <u>2</u>	<u>5</u> % S	ep-Nov	<u>25</u> %		
16.	With regard to air	pollutant flow, what sou	rce(s) or abatemer	t device(s) ar	e immediatel	y UPSTREAN	Л?			
	s s	s s	s s	s	A	A	A _			
	With regard to air DOWNSTREAM?  S S	pollutant flow, what sou	rce(s) or abatemer	t device(s), a	nd/or emissic	on points are i	immediate	ely		

Person completing this form:

Mark Strehlow

#### **FUELS**

INSTRUCTIONS: Complete one line in Section A for each fuel. Section B is OPTIONAL. Please use the units at the bottom of each table. N/A means "Not Applicable."

### **SECTION A:** FUEL DATA

	Fuel Name	Fuel Code**	Total Annual Usage***	Maximum Possible Fuel Use Rate	Typical Heat Content	Sulfur Content	Nitrogen Content (optional)	Ash Content (optional)
1.	Natural Gas		3.86E+7	2202 MM	N/A	N/A	N/A	N/A
2.								
3.								
4.								
5.								

Use the appropriate	Natural Gas	therm*	Btu/hr	N/A	N/A	N/A	N/A
units for each fuel	Other Gas	MSCF*	MSCF/hr	Btu/MSCF	ppm	N/A	N/A
	Liquid	m gal*	m gal/hr	Btu/m gal	wt%	wt%	wt%
	Solid	ton	ton/hr	Btu/ton	wt%	wt%	wt%

#### **SECTION B**: EMISSION FACTORS (optional)

			Particulates		NOx		СО	
	Fuel Name	Fuel Code**	Emission Factor	**Basis Code	Emission Factor	**Basis Code	Emission Factor	**Basis Code
1.								
2.								
3.								
4.								

Use the appropriate units for each fuel: Natural Gas = Ib/therm\*

Other Gas = Ib/MSCF\* Liquid = lb/m gal\* Solid = lb/ton

Note: MSCF = thousand standard cubic feet

m gal = thousand gallons

\* therm = 100,000 BTU

See tables below for Fuel and Basis Codes

Total annual usage is: - Projected usage over next 12 months if equipment is new or modified.
- Actual usage for last 12 months if equipment is existing and unchanged.

	**F	uel Code	es	**Basis Codes				
Code	Fuel	Code	Fuel	Code	Method			
25	Anthracite coal	189	Natural Gas	0	Not applicable for this pollutant			
33	Bagasse	234	Process gas - blast furnace	1	Source testing or other measurement by plant (attach copy)			
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47	Brown coal	238	Process gas - RMG	4	Material balance by plant using engineering expertise and			
242	Bunker C fuel oil	237	Process gas - other		knowledge of process			
80	Coke	242	Residual oil	5	Material balance by BAAQMD			
89	Crude oil	495	Refuse derived fuel	6	Taken from AP-42 (compilation of Air Pollutant Emission			
98	Diesel oil	511	Landfill gas		Factors, EPA)			
493	Digester gas	256	Solid propellant	7	Taken from literature, other than AP-42 (attach copy)			
315	Distillate oil	466	Solid waste	8	Guess			
392	Fuel oil #2	304	Wood - hogged					
551	Gasoline	305	Wood - other					
158	Jet fuel	198	Other - gaseous fuels					
160	LPG	200	Other - liquid fuels					
165	Lignite	203	Other - solid fuels					
167	Liquid waste							
494	Municipal solid waste							

(revised: 6/01)

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Data Form C FUEL COMBUSTION SOURCE

Website: www.baaqmo	l.gov
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Nev	v □ Modified □ Retro	

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[	Check box if this source has a secondary function as an abatement device for some other source(s); complete lines 1, 2, and 7-13 on Form A (using the source number below for the Abatement Device No.) and attach to this form.						
						(If unknown, leave b	,
1.	Company Name:	Mirant Marsh landir			Plant	No: 19169 S	ource No. S-5
2.	Equipment Name	& Number, or Descrip	tion: Natural	Gas-Fired Fue	el Preheater (Serv	ring S-1 and S-2	)
3.	Make, Model: T	BD			Maximum firing	rate: 5MM	Btu/hr
4.	Date of modification	on or initial operation:		(if unkno	own, leave blank)		
5.	Primary use (chec	abater 🗌	cal generation ment device ss heat; material		ation 🗌 reso	ste disposal ource recovery	testing other
6.	SIC NumberIf unkn	nown leave blank					
7.	Equipment type (cl	heck one)					
	Internal combustion	Use Form ICE (Inte	rnal Combustion	Engine) unles	s it is a gas turbir	ne	
		☐ gas turbine ☐ other			hp		
	Incinerator	salvage operation	on 🔲 pa	athological was	te	Temperature	
		☐ liquid waste	ot	her		Residence tir	neSec
	Others	<ul><li>□ boiler</li><li>□ afterburner</li><li>□ flare</li><li>□ open burning</li><li>⋈ other Nat Gas F</li></ul>	☐ o\ ☐ fu ☐ ki	ln	1aterial dried, bak	ed, or heated:	
9. 10. 11.	Overfire air? Flue gas recircula Air preheat? Low NO <sub>X</sub> burners	ation?	] no	s, what percent s, what percent perature e, Model	%		
		•	<sub>-</sub> °F				
13.	•	ucts: Wet gas flowra content dry vo			% or % ex	cess air	
14.	Typical Use 2	24 hours/day	_7 days	/week	10.4 weeks/y	ear (1,752 hrs	s/yr)
15.	Typical % of annu	ual total: Dec-Feb	<u>25</u> % Ma	r-May <u>25</u> %	Jun-Aug <u>2</u>	<u>5</u> % Sep	-Nov <u>25</u> %
16.	With regard to air	pollutant flow, what s	source(s) or abat	ement device(	s) are immediatel	y UPSTREAM?	
	s s	s	s s	s	A	A	_ A
	With regard to air	pollutant flow, what s	source(s) or abat	ement device(	s), and/or emissio	on points are imr	mediately
	<u> </u>	A	_ A	<b>P</b> 5	Р		

Person completing this form: Mark Strehlow Date: October 23, 2009

#### **FUELS**

INSTRUCTIONS: Complete one line in Section A for each fuel. Section B is OPTIONAL. Please use the units at the bottom of each table. N/A means "Not Applicable."

### **SECTION A:** FUEL DATA

	Fuel Name	Fuel Code**	Total Annual Usage***	Maximum Possible Fuel Use Rate	Typical Heat Content	Sulfur Content	Nitrogen Content (optional)	Ash Content (optional)
1.	Natural Gas		87,600	5MM	N/A	N/A	N/A	N/A
2.								
3.								
4.								
5.								

Use the appropriate	Natural Gas	therm*	Btu/hr	N/A	N/A	N/A	N/A
units for each fuel	Other Gas	MSCF*	MSCF/hr	Btu/MSCF	ppm	N/A	N/A
	Liquid	m gal*	m gal/hr	Btu/m gal	wt%	wt%	wt%
	Solid	ton	ton/hr	Btu/ton	wt%	wt%	wt%

#### **SECTION B**: EMISSION FACTORS (optional)

			Particu	lates	NO	х	CC	)
	Fuel Name	Fuel Code**	Emission Factor	**Basis Code		**Basis Code	Emission Factor	**Basis Code
1.								
2.								
3.								
4.								

Use the appropriate units for each fuel: Natural Gas = Ib/therm\*

Other Gas =  $Ib/MSCF^*$ Liquid = lb/m gal\* Solid = lb/ton

Note: MSCF = thousand standard cubic feet

m gal = thousand gallons

therm = 100,000 BTU

See tables below for Fuel and Basis Codes

Total annual usage is: - Projected usage over next 12 months if equipment is new or modified.
- Actual usage for last 12 months if equipment is existing and unchanged.

	**F	uel Code	es		**Basis Codes
Code	Fuel	Code	Fuel	Code	Method
25	Anthracite coal	189	Natural Gas	0	Not applicable for this pollutant
33	Bagasse	234	Process gas - blast furnace	1	Source testing or other measurement by plant (attach copy)
35	Bark	235	Process gas - CO	2	Source testing or other measurement by BAAQMD (give date)
43	Bituminous coal	236	Process gas - coke oven gas	3	Specifications from vendor (attach copy)
47	Brown coal	238	Process gas - RMG	4	Material balance by plant using engineering expertise and
242	Bunker C fuel oil	237	Process gas - other		knowledge of process
80	Coke	242	Residual oil	5	Material balance by BAAQMD
89	Crude oil	495	Refuse derived fuel	6	Taken from AP-42 (compilation of Air Pollutant Emission
98	Diesel oil	511	Landfill gas		Factors, EPA)
493	Digester gas	256	Solid propellant	7	Taken from literature, other than AP-42 (attach copy)
315	Distillate oil	466	Solid waste	8	Guess
392	Fuel oil #2	304	Wood - hogged		
551	Gasoline	305	Wood - other		
158	Jet fuel	198	Other - gaseous fuels		
160	LPG	200	Other - liquid fuels		
165	Lignite	203	Other - solid fuels		
167	Liquid waste				
494	Municipal solid waste				

(revised: 6/01)

939 Ellis Street . . . San Francisco, CA 94109. . . (415) 749-4990 . . . fax (415) 749-5030

Data Form C
FUEL COMBUSTION SOURCE

Website: 1	www.baaqmd.gov
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	(for District use	only)	
Ne	w □ Modified □	Retro	) <b></b>

Form C is for all operations which burn fuel except for internal combustion engines (use <u>Form ICE</u> unless it is a gas turbine; for gas turbines use this form). If the operation also involves evaporation of any organic solvent, complete <u>Form S</u> and attach to this form. If the operation involves a process which generates any other air pollutants, complete <u>Form G</u> and attach to this form.

		nis source has a seconda on Form A (using the so			ment Device No.)	and attach to this	
1.	Company Name:	Mirant Marsh landing, L	LC		(If unknown) Plant No: 19169	own, leave blank) Source No.	S-6
		& Number, or Description		Fired Fuel Preh			
		BD			mum firing rate:	*	
4.	Date of modificatio	n or initial operation:		(if unknown, lea	ave blank)		
5.	Primary use (check	abatemen	generation :: state :: state :: state :: state :: generation :: state ::	space heat cogeneration d	☐ waste dis	recovery 🔲	testing other
6.	SIC NumberIf unknown	own leave blank					
7.	Equipment type (ch	neck one)					
	Internal combustion	Use Form ICE (Internal	Combustion Engir	ne) unless it is a	a gas turbine		
		☐ gas turbine ☐ other			hp		
	Incinerator	salvage operation liquid waste	☐ patholog ☐ other _	gical waste		nperature	
	Others	<ul> <li>□ boiler</li> <li>□ afterburner</li> <li>□ flare</li> <li>□ open burning</li> <li>⋈ other Nat Gas Fired</li> </ul>	☐ dryer ☐ oven ☐ furnace ☐ kiln Fuel Preheater_	Materia	ıl dried, baked, or	heated:	
9. 10. 11.	Overfire air? Flue gas recircula Air preheat? Low NO <sub>x</sub> burners	☐ yes ☐ no? ☐ yes ☐ no	If yes, what Temperatu	percent percent re°F			
		emperature°F					
13.		ucts: Wet gas flowrate <u>:</u> ontent dry volum			% excess a	ir	
14.	Typical Use 2	4 hours/day	7 days/week		10.4 weeks/yea	ar (1,752 hrs/y	·)
15.	Typical % of annu	al total: Dec-Feb <u>25</u>	% Mar-May	<u>25</u> % Ju	un-Aug <u>25</u> %	Sep-Nov	<u>25</u> %
16.	With regard to air	pollutant flow, what sour	ce(s) or abatement	device(s) are	immediately UPS	TREAM?	
	s s	S S	s	S	_ A A	A	
	With regard to air DOWNSTREAM?	pollutant flow, what sour	ce(s) or abatement	device(s), and	d/or emission poin	ts are immediate	ely
	s s	A	A P <u>(</u>	6 <b>P</b>			

Person completing this form: Mark Strehlow Date: October 23, 2009

#### **FUELS**

INSTRUCTIONS: Complete one line in Section A for each fuel. Section B is OPTIONAL. Please use the units at the bottom of each table. N/A means "Not Applicable."

### **SECTION A:** FUEL DATA

	Fuel Name	Fuel Code**	Total Annual Usage***	Maximum Possible Fuel Use Rate	Typical Heat Content	Sulfur Content	Nitrogen Content (optional)	Ash Content (optional)
1.	Natural Gas		87,600	5MM	N/A	N/A	N/A	N/A
2.								
3.								
4.								
5.								

Use the appropriate	Natural Gas	therm*	Btu/hr	N/A	N/A	N/A	N/A
units for each fuel	Other Gas	MSCF*	MSCF/hr	Btu/MSCF	ppm	N/A	N/A
	Liquid	m gal*	m gal/hr	Btu/m gal	wt%	wt%	wt%
	Solid	ton	ton/hr	Btu/ton	wt%	wt%	wt%

### **SECTION B**: EMISSION FACTORS (optional)

			Particu	lates	NO	х	CC	)
	Fuel Name	Fuel Code**	Emission Factor	**Basis Code	Emission Factor	**Basis Code	Emission Factor	**Basis Code
1.								
2.								
3.								
4.								

Use the appropriate units for each fuel: Natural Gas = Ib/therm\*

Other Gas = Ib/MSCF\* Liquid = lb/m gal\* Solid = lb/ton

Note: MSCF = thousand standard cubic feet

- m gal = thousand gallons
- therm = 100,000 BTU
- See tables below for Fuel and Basis Codes
- Total annual usage is: Projected usage over next 12 months if equipment is new or modified.
   Actual usage for last 12 months if equipment is existing and unchanged.

**Fuel Codes			S	**Basis Codes		
Code	Fuel	Code	Fuel	Code	Method	
25	Anthracite coal	189	Natural Gas	0	Not applicable for this pollutant	
33	Bagasse	234	Process gas - blast furnace	1	Source testing or other measurement by plant (attach copy)	
35	Bark	235	Process gas - CO	2	Source testing or other measurement by BAAQMD (give date)	
43	Bituminous coal	236	Process gas - coke oven gas	3	Specifications from vendor (attach copy)	
47	Brown coal	238	Process gas - RMG	4	Material balance by plant using engineering expertise and	
242	Bunker C fuel oil	237	Process gas - other		knowledge of process	
80	Coke	242	Residual oil	5	Material balance by BAAQMD	
89	Crude oil	495	Refuse derived fuel	6	Taken from AP-42 (compilation of Air Pollutant Emission	
98	Diesel oil	511	Landfill gas		Factors, EPA)	
493	Digester gas	256	Solid propellant	7	Taken from literature, other than AP-42 (attach copy)	
315	Distillate oil	466	Solid waste	8	Guess	
392	Fuel oil #2	304	Wood - hogged			
551	Gasoline	305	Wood - other			
158	Jet fuel	198	Other - gaseous fuels			
160	LPG	200	Other - liquid fuels			
165	Lignite	203	Other - solid fuels			
167	Liquid waste					
494	Municipal solid waste					

(revised: 6/01)

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  939 Ellis Street San Francisco, CA 94109 (415) 749-4990 Fax (415) 749-5030						
Form P is for well-defined emission points such as stacks or chimneys only; do not use for windows, room vents, etc.						
Business Name: Mirant Marsh landing, LLC Plant No: 19169  Emission Point No: P- 1						
With regard to air pollutant flow in are <b>immediately</b> upstream?	With regard to air pollutant flow into this emission point, what sources(s) and/or abatement device(s) are <b>immediately</b> upstream?					
S- 1 S- 1 S- A- 1	S- A-	S A	S A	A		
Exit cross-section area: 770.53	sq. ft.	Height above	grade: <u>150.25</u>	ft.		
	Efflue	ent Flow from Stack				
	1	Operating Condition	Maximum Opera	ating Condition		
Actual Wet Gas Flowrate	3,159,287	cfm	3,048,718	cfm		
Percent Water Vapor	8.32	Vol %	8.9	Vol %		
Temperature	750	°F	750	°F		
If this stack is equipped to measure (monitor) the emission of any air pollutants,  Is monitoring continuous?						
Person completing this form Mark S	Strehlow	Date <u>C</u>	october 23, 2009			

DAY AREA AIR OU		A OFMENIT D	IOTRIOT			
BAY AREA AIR QUA 939 Ellis Street San Francisco, CA				749-5030		
Form P is for well-defined emissi windows, room vents, etc.	on points su	uch as stacks	or chimn	eys only; do not us	e for	
Business Name: Mirant Marsh land	ling, LLC			Plant No:	19169	
			Emission	Point No: P- 2		
With regard to air pollutant flow in are <b>immediately</b> upstream?  S- 2 S-	nto this emi	ssion point, w	hat sourc	es(s) and/or abate	ment devic	e(s)
S A3	A	4	A	A	A	
Exit cross-section area: 770.53	sq. ft. Efflu	Hei nent Flow fro		grade: <u>150.25</u>	ft.	
	Typical	Operating Co	ndition	Maximum Opera	ating Cond	ition
Actual Wet Gas Flowrate	3,159,287		cfm	3,048,718		cfm
Percent Water Vapor	8.32		Vol %	8.9	Vo	ol %
Temperature	750		°F	750		°F
If this stack is equipped to measure (monitor) the emission of any air pollutants,  Is monitoring continuous?  yes  no  What pollutants are monitored? NO <sub>x</sub> , CO, O <sub>2</sub>						
Person completing this form Mark S	Strehlow		Date C	October 23, 2009		

				Г		
BAY AREA AIR QUA 939 Ellis Street San Francisco, CA	_		749-5030			
Form P is for well-defined emission windows, room vents, etc.	on points such as	stacks or chimne	eys only; do not ι	use for		
Business Name: Mirant Marsh land	ing, LLC		Plant No:	19169		
		Emission I	Point No: P- 3			
With regard to air pollutant flow in are <b>immediately</b> upstream?  S- 3 S- 4- 5  Exit cross-section area: 770.53	S- A- 6	S- Height above	S- A-	tement devic	e(s)	
	Typical Operat		Maximum Ope	erating Condi	ition	
Actual Wet Gas Flowrate	3,159,287	cfm	3,048,718		cfm	
Percent Water Vapor	8.32	Vol %	8.9	Vo	ol %	
Temperature	750	°F	750		°F	
If this stack is equipped to measure (monitor) the emission of any air pollutants,  Is monitoring continuous?  yes  no  What pollutants are monitored? NO <sub>x</sub> , CO, O <sub>2</sub>						
Person completing this form Mark S						

DAY 4054 AID OU		NT DISTRICT		_		
BAY AREA AIR QUA 939 Ellis Street San Francisco, CA			749-5030			
Form P is for well-defined emission windows, room vents, etc.	on points such as	stacks or chimne	eys only; do not u	ise for		
Business Name: Mirant Marsh land	ing, LLC		Plant No:	19169		
		Emission I	Point No: P- 4			
With regard to air pollutant flow in are <b>immediately</b> upstream?  S- 4 S- 7  Exit cross-section area: 770.53	S- A- 8	oint, what sourc  S- A-  Height above	S- A-	ement device	(s)	
	Typical Operat	ing Condition	Maximum Ope	erating Conditi	ion	
Actual Wet Gas Flowrate	3,159,287	cfm	3,048,718	cf	m	
Percent Water Vapor	8.32	Vol %	8.9	Vol	%	
Temperature	750	°F	750		°F	
If this stack is equipped to measure (monitor) the emission of any air pollutants,  Is monitoring continuous?  yes  no  What pollutants are monitored?  NO <sub>x</sub> , CO, O <sub>2</sub>						

	, -	_	<b>EMENT DISTRICT</b> ) 749-4990 Fax (415)				
Form P is for well-defi windows, room vents,		n points such	n as stacks or chimi	neys only; do n	ot use for		
Business Name: Mirant Marsh landing, LLC Plant No: 19169							
			Emission	Point No: P-	5		
With regard to air polls are <b>immediately</b> upst  S-  S-  Exit cross-section area:	ream? S- A-	S- A- sq. ft.	on point, what sour  S- A-  Height above	<b>S- A-</b> e grade: <u>26</u>	abatement device( Aft.	(s) _	
		Typical Op	perating Condition	Maximum	Operating Condition	on	
Actual Wet Gas Flo	owrate	1,048	cfm	1,048,	cfr	m	
Percent Water Vap	or		Vol %		Vol	%	
Temperature		415	°F	415	0	°F	
If this stack is equipped Is monitoring continuous What pollutants are	uous?	☐ yes	he emission of any ⊠ no	air pollutants,			
Person completing this f	orm <u>Mark St</u>	rehlow	Date	October 23, 200	9		

		• -		<b>EMENT DISTRICT</b> 749-4990 Fax (415)	749-5030		
Form P is fo windows, roo			sion points such	as stacks or chimn	eys only; do n	ot use for	
Business Name: Mirant Marsh landing, LLC Plant No: 19169							
				Emission	Point No: P-	. 6	
With regard are <b>immedia</b> S- S- Exit cross-sec	6	upstream? S- A-	S- A- sq. ft.	S- A- Height above	S- A-	Abatement device(s)	
			Typical Op	erating Condition	Maximum	Operating Condition	
Actual W	/et G	as Flowrate	1,048	cfm	1,048,	cfm	
Percent	Wate	er Vapor		Vol %		Vol %	
Tempera	ature		415	°F	415	°F	
Is monitor	ring (	continuous?	☐ yes	ne emission of any a ⊠ no			
Person comp	leting	this form <u>Mark</u>	Strehlow	Date <u>(</u>	October 23, 200	09	





atement Device he atmosphere				
				for office use only
		ess whose prima	ary purpose is to reduce	e the quantity of pollutant(s) em
Business Name	e: Mirant Marsh la	anding, LLC		
Name or Deser	iption CO Catalys	at System	۸	(If unknown, leave b
Name of Descri	iption <u>CO Catalys</u>	в бузтені		batement Device No: A- 1
Make, Model, a	nd Rated Capacity _	TBD		
Abatement Dev	rice Code (See table*)	_ 2	Date of Ini	tial Operation
With regard to a immediately up		his abatement de	vice, what sources(s) and	or abatement device(s) are
<b>S-</b> 1	S-	S-	S-	S-
S-	A-	A-	S A-	S A- A-
uested but not	required.			operation, completion of the tal
dested but not	Pollutant		ght Percent Reduction	Basis Codes
	•		ght Percent Reduction It typical operation)	
	•	(a		Basis Codes
Particulate	Pollutant	(a	t typical operation)	Basis Codes
Particulate Organics Nitrogen Oxid	Pollutant  des (as NO <sub>2</sub> )	(a	t typical operation)	Basis Codes
Particulate Organics Nitrogen Oxid	Pollutant  des (as NO <sub>2</sub> )	(a	t typical operation)	Basis Codes
Particulate Organics Nitrogen Oxide Sulfur Dioxide	Pollutant  des (as NO <sub>2</sub> )	(a	t typical operation)  1 ppmvd@15%O2	Basis Codes
Particulate Organics Nitrogen Oxid Sulfur Dioxide Carbon Mono	Pollutant  des (as NO <sub>2</sub> )	(a	t typical operation)  1 ppmvd@15%O2	Basis Codes
Particulate Organics Nitrogen Oxid Sulfur Dioxide Carbon Mono Other: Other: Check box Device No With regard to	Pollutant  des (as NO <sub>2</sub> ) e oxide  c if this Abatement De above for the Source	evice burns fuel; core No.) and attach	t typical operation)  1 ppmvd@15%O2  2 ppmvd@15%O2  cmplete lines 1, 2 and 15-to this form.	Basis Codes
Particulate Organics Nitrogen Oxid Sulfur Dioxide Carbon Mono Other: Other: Check box Device No With regard to	Pollutant  des (as NO <sub>2</sub> ) e  exif this Abatement De above for the Source air pollutant flow from	evice burns fuel; conce No.) and attach in this abatement cours?	t typical operation)  1 ppmvd@15%O2  2 ppmvd@15%O2  cmplete lines 1, 2 and 15-to this form.	Basis Codes (See Table**)  36 on Form C (using the Abatement batement device(s) and/or emissio

Code	DEVICE
	ADSORBER (See Vapor Recovery)
	AFTERBURNER
1	CO Boiler
2	Catalytic
3	Direct Flame
4	Flare
5	Furnace-firebox
6	Other
	BAGHOUSE (See Dry Filter)
	CYCLONE (See Dry Inertial Collector and
	Scrubber)
	DUST CONTROL
68	Water Spray
00	DRY FILTER
7	Absolute
8	Baghouse, Pulse Jet
9	Baghouse, Reverse Air
10	Baghouse, Reverse Jet
11	Baghouse, Shaking
12	Baghouse, Simple
13	Baghouse, Other
14	Envelope
15	Moving Belt
16	Other
	DRY INERTIAL COLLECTOR
17	Cyclone, Dynamic
18	Cyclone, Multiple (12 inches dia. or more)
19	Cyclone, Multiple (less than 12 inches
	dia.)
20	Cyclone, Simple
21	Settling Chamber, Baffled/Louvered
22	Settling Chamber, Simple
23	_Other
	ELECTROSTATIC PRECIPITATOR
24	Single Stage
25	Single Stage, Wet
26	Two Stage
27	Two Stage, Wet
28	Other
	INCINERATOR (See Afterburner)
00	INTERNAL COMBUSTION ENGINE CONTROL
69 70	Catalyzed Diesel Particulate Filter
70	Non-Cat. Diesel Part. Filter w/ Active
71	Regeneration
71	Diesel Oxidation Catalyst Oxidation Catalyst
12	INCINERATOR (See Afterburner)
	KNOCK-OUT POT (See Liquid Separator)
20	LIQUID SEPARATOR
29	Knock-out Pot
30	Mist Eliminator, Horizontal Pad, Dry
31	Mist Eliminator, Panel, Dry
32 33	Mist Eliminator, Spray/Irrigated Mist Eliminator, Vertical Tube, Dry
33 34	Mist Eliminator, Vertical Tube, Dry Mist Eliminator, Other
3 <del>4</del> 35	Other
33	MIST ELIMINATOR (See Liquid Separator)
	IVIIO I ELIIVIINATOR (See Liquid Separator)

Code	DEVICE
	NO <sub>X</sub> Control
66	Selective Catalytic Reduction (SCR)
67	Non-Selective Catalytic Reduction (NSCR)
73	Selective Non-Catalytic Reduction (SNCR)
	SCRUBBER
36	Baffle and Secondary Flow
37	Centrifugal
38	Cyclone, Irrigated
39	Fibrous Packed
40	Impingement Plate
41	Impingement and Entrainment
42	Mechanically Aided
43	Moving Bed
44	Packed Bed
45	Preformed Spray
46	Venturi
47	Other
	SETTLING CHAMBER (See Dry Inertial Collector)
	SULFUR DIOXIDE CONTROL
48	Absorption and Regeneration, for Sulfur Plant
49	Claus Solution Reaction, for Sulfur Plant
50	Dual Absorption, for H2S04 Plant
51	Flue Gas Desulfurization, for Fossil Fuel
52	Combustion
32	Reduction and Solution Regeneration, for Sulfur Plant
53	Reduction and Stretford Process, for Sulfur
33	Plant
54	Sodium Sulfite-Bisulfite Scrubber, for H2S04
•	Plant
55	Other
	VAPOR RECOVERY
56	Adsorption, Activated Carbon/Charcoal
57	Adsorption, Silica
58	Adsorption, Other
59	Balance
60	Compression/Condensation/Absorption
61	Compression/Refrigeration
62	Condenser, Water-Cooled
63	Condenser, Other
64	Other
	MISCELLANEOUS
65	Not classified above

Code	Method
0	Not applicable for this pollutant
1	Source testing or other measurement by plant
2	Source testing or other measurement by
	BAAQMD
3	Specifications from vendor
4	Material balance by plant using engineering
	expertise and knowledge of process
5	Material balance by BAAQMD using engineering
	expertise and knowledge of process
6	Taken from AP-42 ("Compilation of Air Pollutant
	Emission Factors," EPA)
7	Taken from literature, other than AP-42
8	Guess



Date: October 23, 2009

## **BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

					for c	office use only		
	tement Device atmosphere.	: Equipment/proces	s whose prima	ary purpose is to I	reduce the qua	intity of pollu	ıtant(s) er	nitted t
. I	Business Name:	Mirant Marsh land	ling, LLC			_ Plant No:	19169	hlank)
. I	Name or Descrint	ion Selective Cata	alvtic Reduction	1	Abatement	·	known, leave Δ- 2	biank)
		Rated Capacity T	-		/ibatomont	201100 110.		
). 1	viake, iviouei, and	Trated Capacity 1	סס					
ł. <i>i</i>	Abatement Device	e Code (See table*)	2	Date	e of Initial Opera	tion		
	With regard to air	pollutant flow into this tream?	abatement de	vice, what sources(	s) and/or abaten	nent device(s	) are	
	<b>S</b> - 1	S-	S-	S-	S-			
	S-	S A- 1	_				<b>\-</b>	
th able	Typical gas strear	m temperature at inlets submitted as part of	: <u>750</u> ° f an applicatio	F on for an <i>Authorit</i>	ty to Construc	et, completio		
f thi	Typical gas strear is form is being e is mandatory.	n temperature at inlets submitted as part of If not, and the Abat	f an application tement Device	F on for an <b>Authorit</b> e is <i>already in ope</i> ght Percent Reduc	ty to Constructeration, comple	et, completion of the table Basis Code	able is red	
f th able out	Typical gas strear is form is being e is mandatory. not required.	m temperature at inlets	f an application tement Device	F on for an <b>Authorit</b> e is <i>already in ope</i>	ty to Constructeration, comple	et, completio	able is red	
thiable thing the state of the	Typical gas streams form is being is mandatory. not required.	n temperature at inlets submitted as part of If not, and the Abat	f an application tement Device	F on for an <b>Authorit</b> e is <i>already in ope</i> ght Percent Reduc	ty to Constructeration, comple	et, completion of the table Basis Code	able is red	
f thiable able out 7. 8.	Typical gas stream is form is being is mandatory. not required.  Particulate  Organics	n temperature at inlets submitted as part of If not, and the Abat  Pollutant	f an application tement Device	F on for an <b>Authorit</b> e is <i>already in ope</i> ght Percent Reduc tt typical operation	ty to Constructeration, comple	et, completion of the table Basis Code	able is red	
7. 8.	Typical gas streams form is being is mandatory. not required.	n temperature at inlets submitted as part of If not, and the Abat  Pollutant	f an application tement Device	F on for an <b>Authorit</b> e is <i>already in ope</i> ght Percent Reduc	ty to Constructeration, comple	et, completion of the table Basis Code	able is red	
7. 8. 9.	Typical gas streams form is being is mandatory. In the required.  Particulate  Organics  Nitrogen Oxides	remperature at inlets submitted as part of If not, and the Abar Pollutant s (as NO <sub>2</sub> )	f an application tement Device	F on for an <b>Authorit</b> e is <i>already in ope</i> ght Percent Reduc tt typical operation	ty to Constructeration, comple	et, completion of the table Basis Code	able is red	
7. 8. 9.	Typical gas stream is form is being is mandatory. not required.  Particulate Organics Nitrogen Oxide: Sulfur Dioxide	remperature at inlets submitted as part of If not, and the Abar Pollutant s (as NO <sub>2</sub> )	f an application tement Device	F on for an <b>Authorit</b> e is <i>already in ope</i> ght Percent Reduc tt typical operation	ty to Constructeration, comple	et, completion of the table Basis Code	able is red	
7. 8. 9. 10.	Typical gas streams form is being is mandatory. In the required.  Particulate Organics Nitrogen Oxides Sulfur Dioxide Carbon Monoxi	remperature at inlets submitted as part of If not, and the Abar Pollutant s (as NO <sub>2</sub> )	f an application tement Device	F on for an <b>Authorit</b> e is <i>already in ope</i> ght Percent Reduc tt typical operation	ty to Constructeration, comple	et, completion of the table Basis Code	able is red	
7. 8. 9. 10. 11. 12.	Particulate Organics Nitrogen Oxide: Sulfur Dioxide Carbon Monoxi Other: Other: Check box if	rn temperature at inlets submitted as part of If not, and the Abate Pollutant  S (as NO <sub>2</sub> )  this Abatement Device the Source No.) and	re burns fuel; co	on for an <i>Authorit</i> is already in operation in the series of the series	eration, comple	Basis Code (See Table*	es *)	quested
7. 8. 9. 10. 11. 12.	Particulate Organics Nitrogen Oxide: Sulfur Dioxide Carbon Monoxi Other: Other: Check box if No. above for	rn temperature at inlets submitted as part of If not, and the Abate Pollutant s (as NO <sub>2</sub> )	re burns fuel; co	on for an <i>Authorit</i> is already in operation in the series of the series	eration, comple	Basis Code (See Table*	es *)	quested

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Person completing this form:

Mark Strehlow

Code	DEVICE
	ADSORBER (See Vapor Recovery)
	AFTERBURNER
1	CO Boiler
2	Catalytic
3	Direct Flame
4	Flare
5	Furnace-firebox
6	Other
	BAGHOUSE (See Dry Filter)
	CYCLONE (See Dry Inertial Collector and
	Scrubber)
	DUST CONTROL
68	Water Spray
00	DRY FILTER
7	Absolute
8	Baghouse, Pulse Jet
9	Baghouse, Reverse Air
10	Baghouse, Reverse Jet
11	Baghouse, Shaking
12	Baghouse, Simple
13	Baghouse, Other
14	Envelope
15	Moving Belt
16	Other
	DRY INERTIAL COLLECTOR
17	Cyclone, Dynamic
18	Cyclone, Multiple (12 inches dia. or more)
19	Cyclone, Multiple (less than 12 inches
	dia.)
20	Cyclone, Simple
21	Settling Chamber, Baffled/Louvered
22	Settling Chamber, Simple
23	_Other
	ELECTROSTATIC PRECIPITATOR
24	Single Stage
25	Single Stage, Wet
26	Two Stage
27	Two Stage, Wet
28	Other
	INCINERATOR (See Afterburner)
00	INTERNAL COMBUSTION ENGINE CONTROL
69	Catalyzed Diesel Particulate Filter
70	Non-Cat. Diesel Part. Filter w/ Active
71	Regeneration Diesel Oxidation Catalyst
72	Oxidation Catalyst
12	INCINERATOR (See Afterburner)
	KNOCK-OUT POT (See Liquid Separator)
	` ' ' '
20	LIQUID SEPARATOR
29	Knock-out Pot Mist Eliminator, Harizontal Pad, Dry
30 31	Mist Eliminator, Horizontal Pad, Dry Mist Eliminator, Panel, Dry
32	Mist Eliminator, Paner, Dry Mist Eliminator, Spray/Irrigated
33	Mist Eliminator, Spray/irrigated  Mist Eliminator, Vertical Tube, Dry
34	Mist Eliminator, Other
35	Other
	MIST ELIMINATOR (See Liquid Separator)
	I wild I LLIWIINATOR (See Liquid Separator)

Code	DEVICE
	NO <sub>x</sub> Control
66	Selective Catalytic Reduction (SCR)
67	Non-Selective Catalytic Reduction (NSCR)
73	Selective Non-Catalytic Reduction (SNCR)
	SCRUBBER
36	Baffle and Secondary Flow
37	Centrifugal
38	Cyclone, Irrigated
39	Fibrous Packed
40	Impingement Plate
41	Impingement and Entrainment
42	Mechanically Aided
43	Moving Bed
44	Packed Bed
45	Preformed Spray
46	Venturi
47	Other
	SETTLING CHAMBER (See Dry Inertial Collector)
	SULFUR DIOXIDE CONTROL
48	Absorption and Regeneration, for Sulfur Plant
49	Claus Solution Reaction, for Sulfur Plant
50	Dual Absorption, for H2S04 Plant
51	Flue Gas Desulfurization, for Fossil Fuel
	Combustion
52	Reduction and Solution Regeneration, for Sulfur
F 2	Plant  Paduation and Stratford Process for Sulfur
53	Reduction and Stretford Process, for Sulfur Plant
54	Sodium Sulfite-Bisulfite Scrubber, for H2S04
34	Plant
55	Other
	VAPOR RECOVERY
56	Adsorption, Activated Carbon/Charcoal
57	Adsorption, Silica
58	Adsorption, Other
59	Balance
60	Compression/Condensation/Absorption
61	Compression/Refrigeration
62	Condenser, Water-Cooled
63	Condenser, Other
64	Other
	MISCELLANEOUS
65	Not classified above

	BAGIO GODEO
Code	Method
0	Not applicable for this pollutant
1	Source testing or other measurement by plant
2	Source testing or other measurement <b>by</b>
	BAAQMD
3	Specifications from vendor
4	Material balance by plant using engineering
	expertise and knowledge of process
5	Material balance by BAAQMD using engineering
	expertise and knowledge of process
6	Taken from AP-42 ("Compilation of Air Pollutant
	Emission Factors," EPA)
7	Taken from literature, other than AP-42
8	Guess





e atmo Busin	ent Device: osphere. ness Name:		ess whose prim	any numana ia ta radus	for office us	
e atmo Busin	osphere.		ess whose prim	om, nurnoso io to rodu		e only
	ness Name:			ary purpose is to reduc	ce the quantity o	f pollutant(s) emitted
Name		Mirant Marsh lar	nding, LLC		Plar	nt No: 19169 (If unknown, leave blank)
	e or Description	on <u>CO Catalyst</u>	System		Abatement Device	No: <u>A- 3</u>
Make	e, Model, and	Rated Capacity	TBD			
Abate	ement Device	Code (See table*)	2	Date of Ir	nitial Operation _	
	regard to air p ediately upstr		iis abatement de	vice, what sources(s) and	d/or abatement de	vice(s) are
S-	2	S-	S-	S-	S-	
S-		A-	S A-	S A-	A-	 A-
		Pollutant		ght Percent Reduction at typical operation)		Codes Table**)
Par	rticulate		,	at typical operation,	(500)	rable )
Org	ganics			< 1 ppmvd@15%O2		
	ganics rogen Oxides	(as NO <sub>2</sub> )		< 1 ppmvd@15%O2		
Nitr		(as NO <sub>2</sub> )		< 1 ppmvd@15%O2		
Nitr	rogen Oxides	<u> </u>		< 1 ppmvd@15%O2 < 2 ppmvd@15%O2		
Nitr Sul Car	rogen Oxides Ifur Dioxide	<u> </u>				
. Nitr . Sul . Car	rogen Oxides Ifur Dioxide rbon Monoxid	<u> </u>				
). Nitro ). Sul ). Can 2. Oth 3. Oth . Uith . With	rogen Oxides Ifur Dioxide rbon Monoxid ner: ner: Check box if i No. above for	e his Abatement Dev the Source No.) ar	rice burns fuel; cond attach to this this abatement of	< 2 ppmvd@15%O2  omplete lines 1, 2 and 15	·	-
O. Nitro	rogen Oxides Ifur Dioxide rbon Monoxid ner: ner: Check box if i No. above for	e  his Abatement Dev the Source No.) ar pollutant flow from diately downstrear	rice burns fuel; cond attach to this this abatement on?	< 2 ppmvd@15%O2  omplete lines 1, 2 and 15 form.	abatement device(	(s) and/or emission

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Code	DEVICE
0000	ADSORBER (See Vapor Recovery)
	AFTERBURNER
1	CO Boiler
2	Catalytic
3	Direct Flame
4	Flare
5	Furnace-firebox
6	Other
O	BAGHOUSE (See Dry Filter)
	CYCLONE (See Dry Inertial Collector and
	Scrubber)
	DUST CONTROL
68	
00	Water Spray
7	DRY FILTER
7 8	Absolute
9	Baghouse, Pulse Jet Baghouse, Reverse Air
10	Baghouse, Reverse Jet
11	Baghouse, Shaking
12	Baghouse, Simple
13	Baghouse, Other
14	Envelope
15	Moving Belt
16	Other
	DRY INERTIAL COLLECTOR
17	Cyclone, Dynamic
18	Cyclone, Multiple (12 inches dia. or more)
19	Cyclone, Multiple (less than 12 inches
	dia.)
20	Cyclone, Simple
21	Settling Chamber, Baffled/Louvered
22	Settling Chamber, Simple
23	Other
	ELECTROSTATIC PRECIPITATOR
24	Single Stage
25	Single Stage, Wet
26	Two Stage
27	Two Stage, Wet
28	Other
	INCINERATOR (See Afterburner)
	INTERNAL COMBUSTION ENGINE CONTROL
69	Catalyzed Diesel Particulate Filter
70	Non-Cat. Diesel Part. Filter w/ Active
	Regeneration
71	Diesel Oxidation Catalyst
72	Oxidation Catalyst
	INCINERATOR (See Afterburner)
	KNOCK-OUT POT (See Liquid Separator)
	LIQUID SEPARATOR
29	Knock-out Pot
30	Mist Eliminator, Horizontal Pad, Dry
31	Mist Eliminator, Panel, Dry
32	Mist Eliminator, Spray/Irrigated
33	Mist Eliminator, Vertical Tube, Dry
34	Mist Eliminator, Other
35	Other
	MIST ELIMINATOR (See Liquid Separator)

Code	DEVICE
	NO <sub>X</sub> Control
66	Selective Catalytic Reduction (SCR)
67	Non-Selective Catalytic Reduction (NSCR)
73	Selective Non-Catalytic Reduction (SNCR)
	SCRUBBER
36	Baffle and Secondary Flow
37	Centrifugal
38	Cyclone, Irrigated
39	Fibrous Packed
40	Impingement Plate
41	Impingement and Entrainment
42	Mechanically Aided
43	Moving Bed
44	Packed Bed
45	Preformed Spray
46	Venturi
47	Other
	SETTLING CHAMBER (See Dry Inertial Collector)
	SULFUR DIOXIDE CONTROL
48	Absorption and Regeneration, for Sulfur Plant
49	Claus Solution Reaction, for Sulfur Plant
50	Dual Absorption, for H2S04 Plant
51	Flue Gas Desulfurization, for Fossil Fuel
	Combustion
52	Reduction and Solution Regeneration, for Sulfur
	Plant
53	Reduction and Stretford Process, for Sulfur
	Plant
54	Sodium Sulfite-Bisulfite Scrubber, for H2S04
	Plant
55	Other
	VAPOR RECOVERY
56	Adsorption, Activated Carbon/Charcoal
57	Adsorption, Silica
58	Adsorption, Other
59	Balance
60	Compression/Condensation/Absorption
61	Compression/Refrigeration
62	Condenser, Water-Cooled
63	Condenser, Other
64	Other
	MISCELLANEOUS
65	Not classified above

Code	Method
0	Not applicable for this pollutant
1	Source testing or other measurement by plant
2	Source testing or other measurement by
	BAAQMD
3	Specifications from vendor
4	Material balance by plant using engineering
	expertise and knowledge of process
5	Material balance by BAAQMD using engineering
	expertise and knowledge of process
6	Taken from AP-42 ("Compilation of Air Pollutant
	Emission Factors," EPA)
7	Taken from literature, other than AP-42
8	Guess





2. Name or Description Select  B. Make, Model, and Rated Capac	rsh landing, LLC		Plant N	ollutant(s) emitted
e atmosphere.  Business Name: Mirant Ma  Name or Description Select  Make, Model, and Rated Capac	rsh landing, LLC		Plant N	No: <u>19169</u>
Name or Description Select  Make, Model, and Rated Capac	tive Catalytic Reduction			
Make, Model, and Rated Capac	<u> </u>	Δ		f unknown, leave blank)
·	it. TDD	<u> </u>	batement Device N	o: <u>A- 4</u>
	ily IRD			_
Abatement Device Code (See ta	able*) <u>2</u>	Date of Ini	tial Operation	
With regard to air pollutant flow immediately upstream?	into this abatement de	vice, what sources(s) and	or abatement devic	ce(s) are
<b>S-</b> 2 <b>S-</b>	S-	S-	S-	
S- A- 3	S A-	A-	A-	A-
Pollutant		ght Percent Reduction at typical operation)	Basis C (See Ta	
'. Particulate		,		,
. Organics				
. Nitrogen Oxides (as NO <sub>2</sub> )		2.5 ppmvd		
, <u>Z</u> ,		2.5 ppmvd		
Sulfur Dioxide		2.5 ppmvd		
Sulfur Dioxide Carbon Monoxide		2.5 ppmvd		
Sulfur Dioxide Carbon Monoxide Other:		2.5 ppmvd		
O. Sulfur Dioxide  1. Carbon Monoxide  2. Other:  3. Other:  4. Check box if this Abatement No. above for the Source N	No.) and attach to this to this to this to the standard the standard to the st	omplete lines 1, 2 and 15-	·	
<ol> <li>Sulfur Dioxide</li> <li>Carbon Monoxide</li> <li>Other:</li> <li>Other:</li> <li>Check box if this Abatement No. above for the Source No.</li> <li>With regard to air pollutant flow</li> </ol>	No.) and attach to this to from this abatement of the stream?	omplete lines 1, 2 and 15-	batement device(s)	

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Code	DEVICE
0000	ADSORBER (See Vapor Recovery)
	AFTERBURNER
1	CO Boiler
2	Catalytic
3	Direct Flame
4	Flare
5	Furnace-firebox
6	Other
O	BAGHOUSE (See Dry Filter)
	CYCLONE (See Dry Inertial Collector and
	Scrubber)
	DUST CONTROL
68	
00	Water Spray
7	DRY FILTER
7 8	Absolute
9	Baghouse, Pulse Jet Baghouse, Reverse Air
10	Baghouse, Reverse Jet
11	Baghouse, Shaking
12	Baghouse, Simple
13	Baghouse, Other
14	Envelope
15	Moving Belt
16	Other
	DRY INERTIAL COLLECTOR
17	Cyclone, Dynamic
18	Cyclone, Multiple (12 inches dia. or more)
19	Cyclone, Multiple (less than 12 inches
	dia.)
20	Cyclone, Simple
21	Settling Chamber, Baffled/Louvered
22	Settling Chamber, Simple
23	Other
	ELECTROSTATIC PRECIPITATOR
24	Single Stage
25	Single Stage, Wet
26	Two Stage
27	Two Stage, Wet
28	Other
	INCINERATOR (See Afterburner)
	INTERNAL COMBUSTION ENGINE CONTROL
69	Catalyzed Diesel Particulate Filter
70	Non-Cat. Diesel Part. Filter w/ Active
	Regeneration
71	Diesel Oxidation Catalyst
72	Oxidation Catalyst
	INCINERATOR (See Afterburner)
	KNOCK-OUT POT (See Liquid Separator)
	LIQUID SEPARATOR
29	Knock-out Pot
30	Mist Eliminator, Horizontal Pad, Dry
31	Mist Eliminator, Panel, Dry
32	Mist Eliminator, Spray/Irrigated
33	Mist Eliminator, Vertical Tube, Dry
34	Mist Eliminator, Other
35	Other
	MIST ELIMINATOR (See Liquid Separator)

Code	DEVICE
	NO <sub>X</sub> Control
66	Selective Catalytic Reduction (SCR)
67	Non-Selective Catalytic Reduction (NSCR)
73	Selective Non-Catalytic Reduction (SNCR)
	SCRUBBER
36	Baffle and Secondary Flow
37	Centrifugal
38	Cyclone, Irrigated
39	Fibrous Packed
40	Impingement Plate
41	Impingement and Entrainment
42	Mechanically Aided
43	Moving Bed
44	Packed Bed
45	Preformed Spray
46	Venturi
47	Other
	SETTLING CHAMBER (See Dry Inertial Collector)
	SULFUR DIOXIDE CONTROL
48	Absorption and Regeneration, for Sulfur Plant
49	Claus Solution Reaction, for Sulfur Plant
50	Dual Absorption, for H2S04 Plant
51	Flue Gas Desulfurization, for Fossil Fuel
	Combustion
52	Reduction and Solution Regeneration, for Sulfur
	Plant
53	Reduction and Stretford Process, for Sulfur
	Plant
54	Sodium Sulfite-Bisulfite Scrubber, for H2S04
	Plant
55	Other
	VAPOR RECOVERY
56	Adsorption, Activated Carbon/Charcoal
57	Adsorption, Silica
58	Adsorption, Other
59	Balance
60	Compression/Condensation/Absorption
61	Compression/Refrigeration
62	Condenser, Water-Cooled
63	Condenser, Other
64	Other
	MISCELLANEOUS
65	Not classified above

Code	Method
0	Not applicable for this pollutant
1	Source testing or other measurement by plant
2	Source testing or other measurement by
	BAAQMD
3	Specifications from vendor
4	Material balance by plant using engineering
	expertise and knowledge of process
5	Material balance by BAAQMD using engineering
	expertise and knowledge of process
6	Taken from AP-42 ("Compilation of Air Pollutant
	Emission Factors," EPA)
7	Taken from literature, other than AP-42
8	Guess





		sphere.			rimary purpose is to red		, p	(2)	
В	usine	ess Name: _	Mirant Marsh land	ing, LLC			Plant No:	19169	hlank)
N	ame	or Descriptio	n CO Catalyst S	system		Abatement [	,	·	Diariky
IV	iake,	Model, and r	Rated Capacity 1	סס					
Α	baten	ment Device	Code (See table*)	2	Date o	of Initial Operati	on		
		egard to air p diately upstre		abatement	t device, what sources(s)	and/or abatem	ent device(s)	are	
	S-	3	_ S- 	S-	S-	S-			
	_	•			Δ-	S A-	A-	_	
is e	forn	m is being s	temperature at inlet:	750 an applic	°F ation for an <b>Authority</b> vice is <i>already in opera</i>	to Construct	t, completior	of the fo	
is e	ypical s form is ma	m is being son andatory. It equired.	temperature at inlet:	750 an applic ement De	°F tation for an <i>Authority</i> tvice is <i>already in opera</i> Weight Percent Reduction	to Construct ation, complet	f, completion ion of the ta	of the fo	
is e	ypical s form is ma ot red	m is being son andatory. It equired.	temperature at inlet: ubmitted as part of f not, and the Abat	750 an applic ement De	°F ation for an <b>Authority</b> vice is <i>already in opera</i>	to Construct ation, complet	f, completion ion of the ta	of the fo	
is e	ypical s form is mand ot red	m is being son andatory. I equired.	temperature at inlet: ubmitted as part of f not, and the Abat	750 an applic ement De	°F tation for an <i>Authority</i> tvice is <i>already in opera</i> Weight Percent Reduction	to Construct ation, complet	f, completion ion of the ta	of the fo	
is e	ypical s form is ma ot red Parti	m is being sinandatory. I equired.	temperature at inlet: ubmitted as part of f not, and the Abat Pollutant	750 an applic ement De	°F ation for an <i>Authority</i> vice is <i>already in opera</i> Neight Percent Reduction (at typical operation)	to Construct ation, complet	f, completion ion of the ta	of the fo	
is e	ypical s form is ma ot red Parti Orga Nitro	m is being son andatory. It is pequired.	temperature at inlet: ubmitted as part of f not, and the Abat Pollutant	750 an applic ement De	°F ation for an <i>Authority</i> vice is <i>already in opera</i> Neight Percent Reduction (at typical operation)	to Construct ation, complet	f, completion ion of the ta	of the fo	
is e	ypical s form is ma ot red Parti Orga Nitro	m is being sinandatory. I equired.	temperature at inlet: ubmitted as part of f not, and the Abat  Pollutant  (as NO <sub>2</sub> )	750 an applic ement De	°F ation for an <i>Authority</i> vice is <i>already in opera</i> Neight Percent Reduction (at typical operation)	to Construct ation, complet	f, completion ion of the ta	of the fo	
is e	ypical s form is ma ot red Parti Orga Nitro	m is being spandatory. It is pequired. It is ticulate anics and or is open Oxides bon Monoxide bon Monoxide	temperature at inlet: ubmitted as part of f not, and the Abat  Pollutant  (as NO <sub>2</sub> )	750 an applic ement De	°F sation for an <i>Authority</i> vice is <i>already in opera</i> Neight Percent Reduction (at typical operation) < 1 ppmvd@15%O2	to Construct ation, complet	f, completion ion of the ta	of the fo	
e n	ypical s form is ma ot rec Parti Orga Nitro Sulfu Carb	m is being sinandatory. I equired.  ciculate anics ogen Oxides our Dioxide bon Monoxide er:	temperature at inlet: ubmitted as part of f not, and the Abat  Pollutant  (as NO <sub>2</sub> )	750 an applic ement De	°F sation for an <i>Authority</i> vice is <i>already in opera</i> Neight Percent Reduction (at typical operation) < 1 ppmvd@15%O2	to Construct ation, complet	f, completion ion of the ta	of the fo	
his ble t n	Parti Orga Nitro Sulfu Othe Othe	m is being standatory. I equired.  ciculate anics ogen Oxides on Monoxide er: er: Check box if the location above for regard to air particulation.	temperature at inlet: ubmitted as part of f not, and the Abat  Pollutant  (as NO <sub>2</sub> )  e  his Abatement Devic the Source No.) and	750 fan application applicatio	°F cation for an <i>Authority</i> evice is <i>already in opera</i> Weight Percent Reduction (at typical operation)  < 1 ppmvd@15%O2  < 2 ppmvd@15%O2	to Construct ation, completion	f, completion ion of the tale Basis Code (See Table**	s Abateme	quest

Code	DEVICE
0000	ADSORBER (See Vapor Recovery)
	AFTERBURNER
1	CO Boiler
2	Catalytic
3	Direct Flame
4	Flare
5	Furnace-firebox
6	Other
O	BAGHOUSE (See Dry Filter)
	CYCLONE (See Dry Inertial Collector and
	Scrubber)
	DUST CONTROL
68	
00	Water Spray
7	DRY FILTER
7 8	Absolute
9	Baghouse, Pulse Jet Baghouse, Reverse Air
10	Baghouse, Reverse Jet
11	Baghouse, Shaking
12	Baghouse, Simple
13	Baghouse, Other
14	Envelope
15	Moving Belt
16	Other
	DRY INERTIAL COLLECTOR
17	Cyclone, Dynamic
18	Cyclone, Multiple (12 inches dia. or more)
19	Cyclone, Multiple (less than 12 inches
	dia.)
20	Cyclone, Simple
21	Settling Chamber, Baffled/Louvered
22	Settling Chamber, Simple
23	Other
	ELECTROSTATIC PRECIPITATOR
24	Single Stage
25	Single Stage, Wet
26	Two Stage
27	Two Stage, Wet
28	Other
	INCINERATOR (See Afterburner)
	INTERNAL COMBUSTION ENGINE CONTROL
69	Catalyzed Diesel Particulate Filter
70	Non-Cat. Diesel Part. Filter w/ Active
	Regeneration
71	Diesel Oxidation Catalyst
72	Oxidation Catalyst
	INCINERATOR (See Afterburner)
	KNOCK-OUT POT (See Liquid Separator)
	LIQUID SEPARATOR
29	Knock-out Pot
30	Mist Eliminator, Horizontal Pad, Dry
31	Mist Eliminator, Panel, Dry
32	Mist Eliminator, Spray/Irrigated
33	Mist Eliminator, Vertical Tube, Dry
34	Mist Eliminator, Other
35	Other
	MIST ELIMINATOR (See Liquid Separator)

Code	DEVICE
	NO <sub>X</sub> Control
66	Selective Catalytic Reduction (SCR)
67	Non-Selective Catalytic Reduction (NSCR)
73	Selective Non-Catalytic Reduction (SNCR)
	SCRUBBER
36	Baffle and Secondary Flow
37	Centrifugal
38	Cyclone, Irrigated
39	Fibrous Packed
40	Impingement Plate
41	Impingement and Entrainment
42	Mechanically Aided
43	Moving Bed
44	Packed Bed
45	Preformed Spray
46	Venturi
47	Other
	SETTLING CHAMBER (See Dry Inertial Collector)
	SULFUR DIOXIDE CONTROL
48	Absorption and Regeneration, for Sulfur Plant
49	Claus Solution Reaction, for Sulfur Plant
50	Dual Absorption, for H2S04 Plant
51	Flue Gas Desulfurization, for Fossil Fuel
	Combustion
52	Reduction and Solution Regeneration, for Sulfur
	Plant
53	Reduction and Stretford Process, for Sulfur
	Plant
54	Sodium Sulfite-Bisulfite Scrubber, for H2S04
	Plant
55	Other
	VAPOR RECOVERY
56	Adsorption, Activated Carbon/Charcoal
57	Adsorption, Silica
58	Adsorption, Other
59	Balance
60	Compression/Condensation/Absorption
61	Compression/Refrigeration
62	Condenser, Water-Cooled
63	Condenser, Other
64	Other
	MISCELLANEOUS
65	Not classified above

Code	Method
0	Not applicable for this pollutant
1	Source testing or other measurement by plant
2	Source testing or other measurement by
	BAAQMD
3	Specifications from vendor
4	Material balance by plant using engineering
	expertise and knowledge of process
5	Material balance by BAAQMD using engineering
	expertise and knowledge of process
6	Taken from AP-42 ("Compilation of Air Pollutant
	Emission Factors," EPA)
7	Taken from literature, other than AP-42
8	Guess





Abatement Device: Equipment ne atmosphere.  . Business Name: Mirant Market Market Capa	arsh landing, LLC	ary purpose is to reduce	for office use one the quantity of po	
e atmosphere.  Business Name: Mirant	arsh landing, LLC		. , , .	ollutant(s) emitted
Name or Description Select	<u> </u>		Plant N	
· ——				o: 19169 unknown, leave blank)
Make, Model, and Rated Capa	ctive Catalytic Reduction	Α	batement Device No	: <u>A- 6</u>
	icity TBD			
Abatement Device Code (See	table*) 2	Date of Ini	tial Operation	
With regard to air pollutant flov immediately upstream?	v into this abatement dev	vice, what sources(s) and	or abatement device	e(s) are
<b>S-</b> 3 <b>S-</b>	S-	S-	S-	
S- A- 5	S- A-	A-	A-	A-
t not required.		ght Percent Reduction t typical operation)	Basis Co (See Tab	
. Particulate		t typical operation,	(000 100	
				,
. Organics		2.5 ppmvd		,
<ul><li>Organics</li><li>Nitrogen Oxides (as NO<sub>2</sub>)</li></ul>		2.5 ppmvd		
<ul><li>Organics</li><li>Nitrogen Oxides (as NO<sub>2</sub>)</li><li>Sulfur Dioxide</li></ul>		2.5 ppmvd		
<ul> <li>Organics</li> <li>Nitrogen Oxides (as NO<sub>2</sub>)</li> <li>Sulfur Dioxide</li> <li>Carbon Monoxide</li> </ul>		2.5 ppmvd		
<ul> <li>Organics</li> <li>Nitrogen Oxides (as NO<sub>2</sub>)</li> <li>Sulfur Dioxide</li> <li>Carbon Monoxide</li> <li>Other:</li> </ul>		2.5 ppmvd		
<ul> <li>Organics</li> <li>Nitrogen Oxides (as NO<sub>2</sub>)</li> <li>Sulfur Dioxide</li> <li>Carbon Monoxide</li> <li>Other:</li> <li>Other:</li> <li>Check box if this Abatementon Above for the Source</li> <li>With regard to air pollutant flo</li> </ul>	No.) and attach to this f w from this abatement d	omplete lines 1, 2 and 15- orm.		the Abatement Dev
<ul> <li>8. Organics</li> <li>9. Nitrogen Oxides (as NO<sub>2</sub>)</li> <li>0. Sulfur Dioxide</li> <li>1. Carbon Monoxide</li> <li>2. Other:</li> <li>3. Other:</li> <li>4. Check box if this Abatement</li> </ul>	No.) and attach to this forward from this abatement donstream?	omplete lines 1, 2 and 15- orm.	batement device(s) a	the Abatement Dev

P:www\FormA (revised: 7/99)

Code	DEVICE
0000	ADSORBER (See Vapor Recovery)
	AFTERBURNER
1	CO Boiler
2	Catalytic
3	Direct Flame
4	Flare
5	Furnace-firebox
6	Other
O	BAGHOUSE (See Dry Filter)
	CYCLONE (See Dry Inertial Collector and
	Scrubber)
	DUST CONTROL
68	
00	Water Spray
7	DRY FILTER
7 8	Absolute
9	Baghouse, Pulse Jet Baghouse, Reverse Air
10	Baghouse, Reverse Jet
11	Baghouse, Shaking
12	Baghouse, Simple
13	Baghouse, Other
14	Envelope
15	Moving Belt
16	Other
	DRY INERTIAL COLLECTOR
17	Cyclone, Dynamic
18	Cyclone, Multiple (12 inches dia. or more)
19	Cyclone, Multiple (less than 12 inches
	dia.)
20	Cyclone, Simple
21	Settling Chamber, Baffled/Louvered
22	Settling Chamber, Simple
23	Other
	ELECTROSTATIC PRECIPITATOR
24	Single Stage
25	Single Stage, Wet
26	Two Stage
27	Two Stage, Wet
28	Other
	INCINERATOR (See Afterburner)
	INTERNAL COMBUSTION ENGINE CONTROL
69	Catalyzed Diesel Particulate Filter
70	Non-Cat. Diesel Part. Filter w/ Active
	Regeneration
71	Diesel Oxidation Catalyst
72	Oxidation Catalyst
	INCINERATOR (See Afterburner)
	KNOCK-OUT POT (See Liquid Separator)
	LIQUID SEPARATOR
29	Knock-out Pot
30	Mist Eliminator, Horizontal Pad, Dry
31	Mist Eliminator, Panel, Dry
32	Mist Eliminator, Spray/Irrigated
33	Mist Eliminator, Vertical Tube, Dry
34	Mist Eliminator, Other
35	Other
	MIST ELIMINATOR (See Liquid Separator)

Code	DEVICE
	NO <sub>X</sub> Control
66	Selective Catalytic Reduction (SCR)
67	Non-Selective Catalytic Reduction (NSCR)
73	Selective Non-Catalytic Reduction (SNCR)
	SCRUBBER
36	Baffle and Secondary Flow
37	Centrifugal
38	Cyclone, Irrigated
39	Fibrous Packed
40	Impingement Plate
41	Impingement and Entrainment
42	Mechanically Aided
43	Moving Bed
44	Packed Bed
45	Preformed Spray
46	Venturi
47	Other
	SETTLING CHAMBER (See Dry Inertial Collector)
	SULFUR DIOXIDE CONTROL
48	Absorption and Regeneration, for Sulfur Plant
49	Claus Solution Reaction, for Sulfur Plant
50	Dual Absorption, for H2S04 Plant
51	Flue Gas Desulfurization, for Fossil Fuel
	Combustion
52	Reduction and Solution Regeneration, for Sulfur
	Plant
53	Reduction and Stretford Process, for Sulfur
	Plant
54	Sodium Sulfite-Bisulfite Scrubber, for H2S04
	Plant
55	Other
	VAPOR RECOVERY
56	Adsorption, Activated Carbon/Charcoal
57	Adsorption, Silica
58	Adsorption, Other
59	Balance
60	Compression/Condensation/Absorption
61	Compression/Refrigeration
62	Condenser, Water-Cooled
63	Condenser, Other
64	Other
	MISCELLANEOUS
65	Not classified above

Code	Method
0	Not applicable for this pollutant
1	Source testing or other measurement by plant
2	Source testing or other measurement by
	BAAQMD
3	Specifications from vendor
4	Material balance by plant using engineering
	expertise and knowledge of process
5	Material balance by BAAQMD using engineering
	expertise and knowledge of process
6	Taken from AP-42 ("Compilation of Air Pollutant
	Emission Factors," EPA)
7	Taken from literature, other than AP-42
8	Guess





				for offic	e use only	
e atmosphere.	e: Equipment/proce	ess whose prima	ary purpose is to re	duce the quanti	ty of polluta	nt(s) emitte
Business Name:	Mirant Marsh la	ınding, LLC				19169
Name or Descrip	tion CO Catalys	t System		Abatement De	·	wn, leave blank
·	d Rated Capacity	<b>-</b>				•
Abatement Devic	e Code (See table*)	2	Date o	of Initial Operation	)	
With regard to air		his abatement dev	vice, what sources(s)	and/or abatemer	nt device(s) a	re
<b>S-</b> 4	S-	S-	S-	S-		
S-	A-	S A-	S A-	A-	Α-	
his form is being		of an applicatio	F on for an <b>Authority</b> e is <i>already in opera</i>			
his form is being ble is mandatory.	submitted as part	of an application of attement Devices	on for an <i>Authority</i> e is <i>already in opera</i> ght Percent Reducti	on B	n of the tabl	
his form is being ble is mandatory.	submitted as part If not, and the Ab	of an application of attement Devices	on for an <b>Authority</b> e is <i>already in oper</i>	on B	n of the tabl	
his form is being ble is mandatory. It not required.	submitted as part If not, and the Ab	of an application patement Device Weig	on for an <i>Authority</i> e is <i>already in opera</i> ght Percent Reducti	on B	n of the tabl	
his form is being ble is mandatory. t not required.  Particulate Organics	submitted as part If not, and the Ab Pollutant	of an application patement Device Weig	on for an <b>Authority</b> e is already in opera ght Percent Reducti t typical operation)	on B	n of the tabl	
his form is being ble is mandatory. t not required.  Particulate Organics Nitrogen Oxide	submitted as part If not, and the Ab Pollutant	of an application patement Device Weig	on for an <b>Authority</b> e is already in opera ght Percent Reducti t typical operation)	on B	n of the tabl	
his form is being ble is mandatory. t not required.  Particulate Organics Nitrogen Oxide Sulfur Dioxide	submitted as part If not, and the Ab  Pollutant  s (as NO <sub>2</sub> )	weig (a	on for an <b>Authority</b> e is already in opera ght Percent Reducti t typical operation)	on B	n of the tabl	
his form is being ble is mandatory. t not required.  Particulate Organics Nitrogen Oxide Sulfur Dioxide	submitted as part If not, and the Ab  Pollutant  s (as NO <sub>2</sub> )	weig (a	on for an <i>Authority</i> is <i>already in opera</i> ght Percent Reduction operation)  1 ppmvd@15%O2	on B	n of the tabl	
his form is being ble is mandatory. t not required.  Particulate Organics Nitrogen Oxide Sulfur Dioxide Carbon Monox	submitted as part If not, and the Ab  Pollutant  s (as NO <sub>2</sub> )	weig (a	on for an <i>Authority</i> is <i>already in opera</i> ght Percent Reduction operation)  1 ppmvd@15%O2	on B	n of the tabl	
his form is being ble is mandatory. It not required.  Particulate Organics Nitrogen Oxide Sulfur Dioxide Carbon Monox Other: Other: Check box in No. above for With regard to a	submitted as part If not, and the Ab  Pollutant  s (as NO <sub>2</sub> )  ide  f this Abatement De or the Source No.) a	vice burns fuel; contact this abatement definition of this abatement definition of the contact that the contact the contact that the contact the conta	on for an <i>Authority</i> is already in operation	on B (5	asis Codes See Table**)	e is reques

Code	DEVICE
0000	ADSORBER (See Vapor Recovery)
	AFTERBURNER
1	CO Boiler
2	Catalytic
3	Direct Flame
4	Flare
5	Furnace-firebox
6	Other
O	BAGHOUSE (See Dry Filter)
	CYCLONE (See Dry Inertial Collector and
	Scrubber)
	DUST CONTROL
68	
00	Water Spray
7	DRY FILTER
7 8	Absolute
9	Baghouse, Pulse Jet Baghouse, Reverse Air
10	Baghouse, Reverse Jet
11	Baghouse, Shaking
12	Baghouse, Simple
13	Baghouse, Other
14	Envelope
15	Moving Belt
16	Other
	DRY INERTIAL COLLECTOR
17	Cyclone, Dynamic
18	Cyclone, Multiple (12 inches dia. or more)
19	Cyclone, Multiple (less than 12 inches
	dia.)
20	Cyclone, Simple
21	Settling Chamber, Baffled/Louvered
22	Settling Chamber, Simple
23	Other
	ELECTROSTATIC PRECIPITATOR
24	Single Stage
25	Single Stage, Wet
26	Two Stage
27	Two Stage, Wet
28	Other
	INCINERATOR (See Afterburner)
	INTERNAL COMBUSTION ENGINE CONTROL
69	Catalyzed Diesel Particulate Filter
70	Non-Cat. Diesel Part. Filter w/ Active
	Regeneration
71	Diesel Oxidation Catalyst
72	Oxidation Catalyst
	INCINERATOR (See Afterburner)
	KNOCK-OUT POT (See Liquid Separator)
	LIQUID SEPARATOR
29	Knock-out Pot
30	Mist Eliminator, Horizontal Pad, Dry
31	Mist Eliminator, Panel, Dry
32	Mist Eliminator, Spray/Irrigated
33	Mist Eliminator, Vertical Tube, Dry
34	Mist Eliminator, Other
35	Other
	MIST ELIMINATOR (See Liquid Separator)

Code	DEVICE
	NO <sub>X</sub> Control
66	Selective Catalytic Reduction (SCR)
67	Non-Selective Catalytic Reduction (NSCR)
73	Selective Non-Catalytic Reduction (SNCR)
	SCRUBBER
36	Baffle and Secondary Flow
37	Centrifugal
38	Cyclone, Irrigated
39	Fibrous Packed
40	Impingement Plate
41	Impingement and Entrainment
42	Mechanically Aided
43	Moving Bed
44	Packed Bed
45	Preformed Spray
46	Venturi
47	Other
	SETTLING CHAMBER (See Dry Inertial Collector)
	SULFUR DIOXIDE CONTROL
48	Absorption and Regeneration, for Sulfur Plant
49	Claus Solution Reaction, for Sulfur Plant
50	Dual Absorption, for H2S04 Plant
51	Flue Gas Desulfurization, for Fossil Fuel
	Combustion
52	Reduction and Solution Regeneration, for Sulfur
	Plant
53	Reduction and Stretford Process, for Sulfur
	Plant
54	Sodium Sulfite-Bisulfite Scrubber, for H2S04
	Plant
55	Other
	VAPOR RECOVERY
56	Adsorption, Activated Carbon/Charcoal
57	Adsorption, Silica
58	Adsorption, Other
59	Balance
60	Compression/Condensation/Absorption
61	Compression/Refrigeration
62	Condenser, Water-Cooled
63	Condenser, Other
64	Other
	MISCELLANEOUS
65	Not classified above

Code	Method
0	Not applicable for this pollutant
1	Source testing or other measurement by plant
2	Source testing or other measurement <b>by</b>
	BAAQMD
3	Specifications from vendor
4	Material balance by plant using engineering
	expertise and knowledge of process
5	Material balance by BAAQMD using engineering
	expertise and knowledge of process
6	Taken from AP-42 ("Compilation of Air Pollutant
	Emission Factors," EPA)
7	Taken from literature, other than AP-42
8	Guess





				for office	e use only	
atement Device: I atmosphere.	Equipment/prod	cess whose prima	ary purpose is to re	duce the quantit	ty of pollutar	nt(s) emitte
Business Name: _	Mirant Marsh I	anding, LLC				19169 vn, leave blank)
Name or Descriptio	n Selective (	Catalytic Reduction	<u> </u>	Abatement De	vice No: A	- 8
Make, Model, and F	Rated Capacity	TBD				
Abatement Device	Code (See table	*) _2	Date o	of Initial Operation	ı <u> </u>	
With regard to air primmediately upstre		this abatement dev	vice, what sources(s)	and/or abatemen	t device(s) ar	re
<b>S</b> - 4	_ S	S	S	S		
S-	<b>A-</b> 7	A-	Α-	A-	A-	
nis form is being sulle is mandatory. It		rt of an applicatio	F on for an <b>Authority</b> e is <i>already in opera</i>			
nis form is being so le is mandatory. It not required.	ubmitted as pa	rt of an application abatement Device	on for an <b>Authority</b> e is already in opera ght Percent Reduction	on Ba	n of the table	
nis form is being so le is mandatory. It not required.	ubmitted as par f not, and the A	rt of an application abatement Device	on for an <b>Authority</b> e is <i>already in opera</i>	on Ba	n of the table	
nis form is being sole is mandatory. If not required.	ubmitted as par f not, and the A	rt of an application abatement Device	on for an <b>Authority</b> e is already in opera ght Percent Reduction	on Ba	n of the table	
is form is being some is mandatory. If not required.	ubmitted as par f not, and the A Pollutant	rt of an application abatement Device	on for an <b>Authority</b> e is already in opera ght Percent Reduction	on Ba	n of the table	
nis form is being some is mandatory. It not required.  Particulate  Organics	ubmitted as par f not, and the A Pollutant	rt of an application abatement Device	on for an <i>Authority</i> is already in opera	on Ba	n of the table	
nis form is being sole is mandatory. If not required.  Particulate Organics Nitrogen Oxides	ubmitted as paid finot, and the A  Pollutant  (as NO <sub>2</sub> )	rt of an application abatement Device	on for an <i>Authority</i> is already in opera	on Ba	n of the table	
Particulate Organics Nitrogen Oxides Sulfur Dioxide Carbon Monoxide	ubmitted as paid finot, and the A  Pollutant  (as NO <sub>2</sub> )	rt of an application abatement Device	on for an <i>Authority</i> is already in opera	on Ba	n of the table	
Particulate Organics Nitrogen Oxides Sulfur Dioxide Carbon Monoxide Other:	ubmitted as paid finot, and the A  Pollutant  (as NO <sub>2</sub> )	rt of an application abatement Device	on for an <i>Authority</i> is already in opera	on Ba	n of the table	
Particulate Organics Nitrogen Oxides Carbon Monoxide Other: Check box if the No. above for the selection of	pollutant  (as NO <sub>2</sub> )  and the A  pollutant  (as NO <sub>2</sub> )  be a control of the Source No.)	evice burns fuel; co	on for an <i>Authority</i> is already in operation	on Ba (S	asis Codes See Table**)	e is request
Particulate Organics Nitrogen Oxides Carbon Monoxide Other: Other: Check box if the No. above for the point(s) are immediate.	pollutant  (as NO <sub>2</sub> )  and the A  pollutant  (as NO <sub>2</sub> )  be a control of the Source No.)	evice burns fuel; co	on for an <i>Authority</i> is already in operation operation operation operation operation operation operation operation orm.	on Ba (S	asis Codes See Table**)	e is request

Code	DEVICE
	ADSORBER (See Vapor Recovery)
	AFTERBURNER
1	CO Boiler
2	Catalytic
3	Direct Flame
4	Flare
5	Furnace-firebox
6	Other
	BAGHOUSE (See Dry Filter)
	CYCLONE (See Dry Inertial Collector and
	Scrubber)
	DUST CONTROL
68	Water Spray
00	DRY FILTER
7	Absolute
8	Baghouse, Pulse Jet
9	Baghouse, Reverse Air
10	Baghouse, Reverse Jet
11	Baghouse, Shaking
12	Baghouse, Simple
13	Baghouse, Other
14	Envelope
15	Moving Belt
16	Other
	DRY INERTIAL COLLECTOR
17	Cyclone, Dynamic
18	Cyclone, Multiple (12 inches dia. or more)
19	Cyclone, Multiple (less than 12 inches
	dia.)
20	Cyclone, Simple
21	Settling Chamber, Baffled/Louvered
22	Settling Chamber, Simple
23	Other
	ELECTROSTATIC PRECIPITATOR
24	Single Stage
25	Single Stage, Wet
26	Two Stage
27	Two Stage, Wet
28	Other
	INCINERATOR (See Afterburner)
	INTERNAL COMBUSTION ENGINE CONTROL
69	Catalyzed Diesel Particulate Filter
70	Non-Cat. Diesel Part. Filter w/ Active
-4	Regeneration
71	Diesel Oxidation Catalyst
72	Oxidation Catalyst
	INCINERATOR (See Afterburner)
	KNOCK-OUT POT (See Liquid Separator)
	LIQUID SEPARATOR
29	Knock-out Pot
30	Mist Eliminator, Horizontal Pad, Dry
31	Mist Eliminator, Panel, Dry
32	Mist Eliminator, Spray/Irrigated
33	Mist Eliminator, Vertical Tube, Dry
34	Mist Eliminator, Other
35	Other
	MIST ELIMINATOR (See Liquid Separator)

Code	DEVICE
	NO <sub>X</sub> CONTROL
66	Selective Catalytic Reduction (SCR)
67	Non-Selective Catalytic Reduction (NSCR)
73	Selective Non-Catalytic Reduction (SNCR)
	SCRUBBER
36	Baffle and Secondary Flow
37	Centrifugal
38	Cyclone, Irrigated
39	Fibrous Packed
40	Impingement Plate
41	Impingement and Entrainment
42	Mechanically Aided
43	Moving Bed
44	Packed Bed
45	Preformed Spray
46	Venturi
47	Other
	SETTLING CHAMBER (See Dry Inertial Collector)
	SULFUR DIOXIDE CONTROL
48	Absorption and Regeneration, for Sulfur Plant
49	Claus Solution Reaction, for Sulfur Plant
50	Dual Absorption, for H2S04 Plant
51	Flue Gas Desulfurization, for Fossil Fuel
	Combustion
52	Reduction and Solution Regeneration, for Sulfur
	Plant
53	Reduction and Stretford Process, for Sulfur
	Plant
54	Sodium Sulfite-Bisulfite Scrubber, for H2S04
	Plant
55	Other
	VAPOR RECOVERY
56	Adsorption, Activated Carbon/Charcoal
57	Adsorption, Silica
58	Adsorption, Other
59 60	Balance Compression/Condensation/Absorption
60	Compression/Condensation/Absorption
61 62	Compression/Refrigeration Condenser, Water-Cooled
63	Condenser, Water-Cooled Condenser, Other
64	Other
04	MISCELLANEOUS
65	Not classified above
65	Not diassified above

Code	Method
0	Not applicable for this pollutant
1	Source testing or other measurement by plant
2	Source testing or other measurement by
	BAAQMD
3	Specifications from vendor
4	Material balance by plant using engineering
	expertise and knowledge of process
5	Material balance by BAAQMD using engineering
	expertise and knowledge of process
6	Taken from AP-42 ("Compilation of Air Pollutant
	Emission Factors," EPA)
7	Taken from literature, other than AP-42
8	Guess