

COVAITA LAKE

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Exit		nitrogen dioxide @7% O ₂ Unit 1	Unit 2
1 min.		7.0	7.8
15 min		11.2	5.8
1 hr		10.3	5.1
4 hr	100ppm	14	5
1 hr B/B		10	6
4 hr B/B		10	5

Nitrogen Oxides @ 7% O ₂			
Period	Limit	Unit 1	Unit 2
1 min.		174.5	143.8
15 min		190.1	186.0
1 hr		182	185
24 hr	205ppm	166	366
24 hr B/B		158	186

O ₂ (1 min)			
Period	Limit	Unit 1	Unit 2
Econ		10.3	10.1
Stack		11.1	12.2

UI Boiler Status	OnLine	1 min Raw CO	6
Feed Chute	Opened	15 min Raw CO BB	6
BLR On/Off	ON-LINE	15 min Raw CO	8
O ₂ e	10.4	CO HI Alarm	Normal

Sulfur Dioxide @ 7% O ₂ Rem. Eff.			
Period	Limit	Unit 1	Unit 2
24 hr Geo	<75%	96.0	67.0
24 hr geo B/B		98	95
1 hr SO ₂ ec		29	30
1 hr SO ₂ sc		1.4	1.5

Sulfur Dioxide @7% O ₂			
Period	Limit	Unit 1	Unit 2
1 min.		4.3	1.6
15 min		1.4	1.7
1 hr		1.4	1.5
24 hr geo	29 ppm	1	60
24 hr geo B/B		1	1

Carbon Feed Rate (8 hr Limit)			
Period		Unit 1 (11.8)	Unit 2 (11.4)
1 min.		12.0	12.0
15 min		12.0	12.1
1 hr		12.0	12.1

SDA Outlet Temp (PSD-127)			
Period	Limit	Unit 1	Unit 2
1 min.		288.0	295.0
15 min		288.4	290.7
1 hr		287.3	289.8
4 hr	311' F	288	289
4 hr B/B		287	289.4

Steam Flow (PSD-127)			
Period	Limit	Unit 1	Unit 2
1 min.		67.0	61.0
15 min		65.5	62.2
1 hr		65.4	60.9
4 hr	69Klbs/hr	64.1	59.4
4 hr B/B		65	61

Opacity			
Period	Limit	Unit 1	Unit 2
1 min	4%	0	2
6 min	10%	0	2

U2 Boiler Status	OnLine	1 min Raw CO	6
Feed Chute	Opened	15 min Raw CO BB	4
BLR On/Off	ON-LINE	15 min Raw CO	4
O ₂ e	10.1	CO HI Alarm	Normal

CONVENTIONAL

Carbon Monoxide @ 7% O ₂			
Period	Limit	Unit 1	Unit 2
1 min.		17.6	19.4
15 min		21.0	11.6
1 hr		17.8	12.2
4 hr	100ppm	27	21
1 hr B/B		20	11
4 hr B/B		18	10

Nitrogen Oxides @ 7% O ₂			
Period	Limit	Unit 1	Unit 2
1 min.		174.1	156.6
15 min		186.8	189.7
1 hr		183	190
24 hr	205ppm	190	188
24 hr B/B		186	190

O ₂ (1 min)			
Period	Limit	Unit 1	Unit 2
Econ		9.9	12.0
Stack		12.2	12.2

U1 Boiler Status	<input checked="" type="checkbox"/> Online	1 min Raw CO	9
Feed Chute	<input checked="" type="checkbox"/> Opened	15 min Raw CO BB	11
BLR On/Off	<input checked="" type="checkbox"/> ONLINE	15 min Raw CO	13
O ₂	<input type="checkbox"/> 10.0	CO HI Alarm	<input checked="" type="checkbox"/> Normal

Sulfur Dioxide @ 7% O ₂ Rem. Eff.			
Period	Limit	Unit 1	Unit 2
24 hr Geo	<75%	95.7	89.5
24 hr geo B/B		98	86
1 hr SO ₂ ec		27	27
1 hr SO ₂ sc		1.6	1.6

Sulfur Dioxide @ 7% O ₂			
Period	Limit	Unit 1	Unit 2
1 min.		1.6	3.2
15 min		1.5	2.1
1 hr		1.6	1.6
24 hr geo	29 ppm	1	2
24 hr geo B/B		1	3

Carbon Feed Rate (8 hr Limit)			
Period	Unit 1 (11.8)	Unit 2 (11.4)	
1 min.	12.0	12.1	
15 min	12.0	12.0	
1 hr	12.0	12.1	

SDA Outlet Temp (PSD-127)			
Period	Limit	Unit 1	Unit 2
1 min.		294.0	296.0
15 min		293.9	295.7
1 hr		294.1	296.3
4 hr	311 °F	294	291
4 hr B/B		294	293.1

Steam Flow (PSD-127)			
Period	Limit	Unit 1	Unit 2
1 min.		68.0	64.0
15 min		67.5	64.4
1 hr		67.2	64.0
4 hr	69Kb/hr	66.6	64.0
4 hr B/B		67	66

Opacity			
Period	Limit	Unit 1	Unit 2
1 min	4%	0	0
6 min	10%	0	0

U2 Boiler Status	<input checked="" type="checkbox"/> Online	1 min Raw CO	5
Feed Chute	<input checked="" type="checkbox"/> Opened	15 min Raw CO BB	11
BLR On/Off	<input checked="" type="checkbox"/> ONLINE	15 min Raw CO	0
O ₂	<input type="checkbox"/> 11.9	CO HI Alarm	<input checked="" type="checkbox"/> Normal

Data Summary Report

Covanta ENERGY GROUP, INC.

Continuous Emissions Monitoring System

Company: Covanta of Lake
 3830 ROGERS INDUSTRIAL PARK ROAD
 OKAHUMPKA, FL 34762

Data Group: All Data Groups

Report Name: VTA-Unit 2 PSD/Op Compliance Report

Start of Report: 01/28/2008 00:00

End of Report: 01/28/2008 23:59

Validation: Valid Data Only

Group#-Channel#	G83-C39	G83-C36	G83-C34	G83-C16	G83-C14	G83-C11	G83-C17	G83-C1
Long Descrip.	U2-1HR SE	U2-1HR ST	U2-1HR ST	U2-1HR RE	U2-1HR SD	U2-1HR ST	U2-1HR CA	U2-1HR ST
Short Descrip.	U2COcSEL7	U2NOXsc7%	U2	U2	U2 SDA	U2 STM FL	U2	U2 O2s
Units	PPMC	PPMC	PPMC	%	DegF	K#/Hr	#/HR	%
Range	0-4000	0-1500	0-800	0-100	100-600	0-100	0-50	0-25
01/28/2008 00:00	140.9	149	0.0	100.0	228.1	29.2	12.1	15.6
01/28/2008 01:00	463.1	145	0.0	100.0	213.5	8.1	12.1	16.4
01/28/2008 02:00	2554.3	235	2.9	100.0	275.4	2.3	12.1	18.5
01/28/2008 03:00	4000.0	344	149.5	87.4	293.2	0.9	12.1	19.6
01/28/2008 04:00	4000.0	341	224.9	54.7	290.5	0.0	12.1	19.5
01/28/2008 05:00	4000.0	340	179.7	58.0	247.4	0.0	12.1	19.5
01/28/2008 06:00	4000.0	405	223.6	60.3	277.6	0.0	12.1	20.3
01/28/2008 07:00	4000.0	1043	800.0	63.9	293.9	0.0	12.1	20.8
01/28/2008 08:00	4000.0<	591<	486.5<	62.8	248.1	0.0	12.1	20.8<
01/28/2008 09:00	4000.0	70	417.0	0.0<	211.6	0.0	12.0	20.8
01/28/2008 10:00				57.8				
Period Average =	3115.8	366	248.4	67.7	257.9	4.1	12.1	19.2
Period Max Value =	4000.0	1043	800.0	100.0	293.9	29.2	12.1	20.8
Period Min Value =	140.9	70	0.0	0.0	211.6	0.0	12.0	15.6
Period Totals =	3.1158E+4	3.6630E+3	2.4841E+3	7.4490E+2	2.5793E+3	4.0500E+1	1.2090E+2	1.9180E+2
Period % Recovery =	41.7	41.7	41.7	45.8	41.7	41.7	41.7	41.6

Data Summary Report

Company: Covanta of Lake
 3830 ROGERS INDUSTRIAL PARK ROAD
 OKAHUMPKA, FL 34762

Data Group: All Data Groups

Report Name: VTA-Unit 2 Subpart Cb Parameters

Start of Report: 01/28/2008 00:00

End of Report: 01/28/2008 23:59

Validation: Valid Data Only

Group#-Channel#	G86-C7	G86-C1	G85-C1	G85-C3	G85-C4	G86-C5	G1-C1
Long Descrip.	U2-DAYBLO	U2 Stack	U2-4HR BL	U2-4HR BL	U2-4 HR B	U2 Rem Ef	U2-8HR CA
Short Descrip.	NOXsc7%	SO2scG	COcSel	StmFl	SDATmp	RemEf @7%	U2
Units	PPMC	ppmc Geo	ppmc	K#/Hr	deg F	%	#/HR
Range	0-1500	0-500	0-4000	0-100	100-600	0-100	0-50
01/28/2008 00:00	366	60	1790	10.1	253	67.0	12.1
01/28/2008 04:00			4000	0.0	277		
01/28/2008 08:00			4000	0.0	230		12.1
Period Average =	366	60	3263	3.4	253	67.0	12.1
Period Max Value =	366	60	4000	10.1	277	67.0	12.1
Period Min Value =	366	60	1790	0.0	230	67.0	12.1
Period Totals =	3.6600E+2	6.0000E+1	9.7900E+3	1.0100E+1	7.6000E+2	6.7000E+1	2.4200E+1
Period % Recovery =	100.0	100.0	50.0	50.0	50.0	100.0	66.7


SO2 60
~~366~~ WENT TO 1.9.
 NOx 366 WENT TO 55
 g/k.
 1/29/08

SEE PERMIT A72(8)

Date/Time	U2-15 MIN C/R DATA - U2 O2s	U2-15 MIN EDITED O2s	U2-1HR O2s	U2-15 MIN C/R DATA - U2 SO2s	U2-1HR SO2s	U2-1HR SO2sC	U2-1HR edited SO2sC	U2-15 MIN C/R DATA - U2 NOXs	U2-1HR NOXs	U2-1HR NOXsC
1/28/2008 0:00	13.7	13.7	14	0	0	0.00	0.001	78	58	115
1/28/2008 0:15	15.9	14		0				46		
1/28/2008 0:30	16.1	14		0				54		
1/28/2008 0:45	16.5	14		0				52		
1/28/2008 1:00	16.5	14	14	0	0	0.00	0.001	50	47	95
1/28/2008 1:15	16.3	14		0				46		
1/28/2008 1:30	16.4	14		0				48		
1/28/2008 1:45	16.3	14		0				45		
1/28/2008 2:00	17.7	14	14	0	1	1.01	1.01	43	41	82
1/28/2008 2:15	18.4	14		0				45		
1/28/2008 2:30	18.9	14		0				38		
1/28/2008 2:45	19	14		2				36		
1/28/2008 3:00	19.3	14	14	6	14	28.71	28.707	35	33	66
1/28/2008 3:15	19.9	14		15				29		
1/28/2008 3:30	19.6	14		18				34		
1/28/2008 3:45	19.5	14		18				33		
1/28/2008 4:00	19.4	14	14	19	22	44.82	44.822	34	34	68
1/28/2008 4:15	19.6	14		25				33		
1/28/2008 4:30	19.8	14		23				29		
1/28/2008 4:45	19.3	14		22				39		
1/28/2008 5:00	19.5	14	14	23	19	37.77	37.772	35	36	72
1/28/2008 5:15	19.1	14		20				42		
1/28/2008 5:30	19.5	14		18				35		
1/28/2008 5:45	19.7	14		14				30		
1/28/2008 6:00	19.9	14	14	12	9	18.63	18.634	25	17	34
1/28/2008 6:15	20.1	14		9				22		
1/28/2008 6:30	20.6	14		8				12		
1/28/2008 6:45	20.7	14		8				8		
1/28/2008 7:00	20.8	14	14	7	7	13.09	13.094	7	8	15
1/28/2008 7:15	20.8	14		7				7		
1/28/2008 7:30	20.8	14		6				7		
1/28/2008 7:45	20.8	14		6				9		
1/28/2008 8:15	20.7	14	14	6	4	8.56	8.562	10	5	9
1/28/2008 8:30	20.8	14		4				5		
1/28/2008 8:45	20.8	14		4				2		
1/28/2008 9:00	20.8	14		3				1		
1/28/2008 9:15	20.8	14	14	3	3	6.04	6.043	0	0	0
						U1-24HR GEO SO2sC	1.90		U1-24HR NOXs	55

USEPA Stationary Compliance Audit Program

Dioxin/Furan Audit Form

Auditor: _____
Agency: _____
Agency Address: _____
Agency Phone #: _____
Date Analyzed: 14 Feb 2008
Auditee Company: Analytical Perspectives (Ph. 910 794-1613)
Auditee Address: 2714 Exchange Drive, Wilmington, NC 28405
Date Audit Sam Rec'd: 05 Feb 2008
Audit Sample #: Audit-M23-3593-01 P8896_5605_006
Confirmation Analysis Used: Yes _____ No X
Auditee's Name: Dr. Yves Tondeur
Signature:  Aug J. Bacher H HLAB

Compound	Auditee Result (ng/sample)	Compound	Auditee Result (ng/sample)
2378-TCDD	0.370	2378-TCDF	0.304
Other TCDD	0.566	Other TCDF	0.514
12378-PeCDD	0.298	12378-PeCDF	0.280
Other PeCDD	0.661	23478-PeCDF	0.268
123478-HxCDD	0.304	Other PeCDF	0.407
123678-HxCDD	0.277	123478-HxCDF	0.399
123789-HxCDD	0.300	123678-HxCDF	0.388
Other HxCDD	0.691	123789-HxCDF	0.668
1234678-HpCDD	0.287	234678-HxCDF	0.376
Other HpCDD	0.332	Other-HxCDF	0.326
OCDD	1.346	1234678-HpCDF	0.276
		1234789-HpCDF	0.294
		Other HpCDF	0.274
		OCDF	1.360

* 1,2,3,7,8,9-HxCDF co-elutes with and is inseparable from the the last eluting HxCDF isomer. The reported value is a combined result of the two isomers.