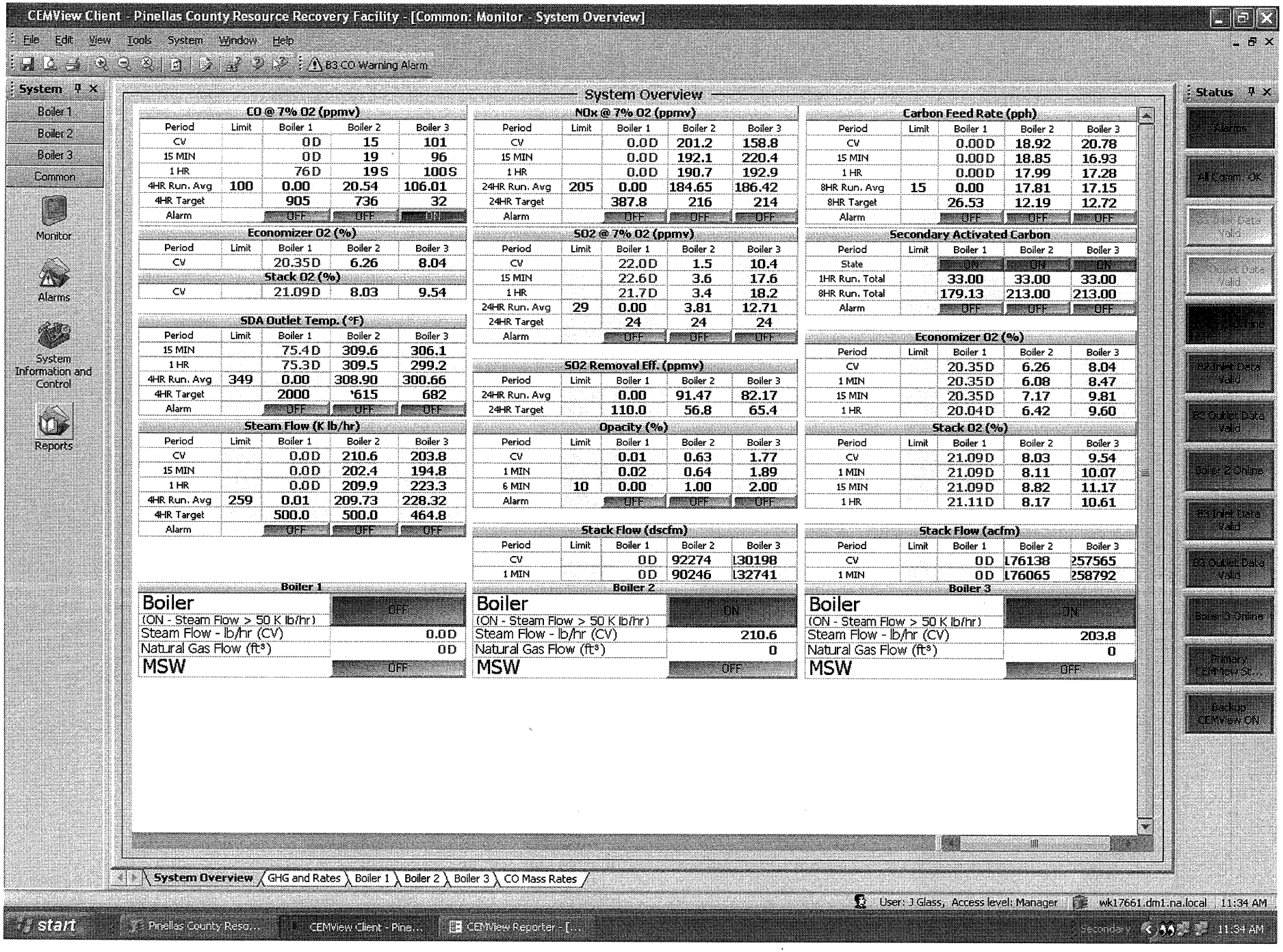
UREA DELIVERIES
10/01/11-9/30/12

lbs x .10526

VENDOR	BOL #	DELIVERY DATE	QUANTITY GALLONS
Colonial	209312	10/6/2011	4943
Colonial	209364	10/18/2011	5012
Colonial	209497	11/10/2011	5012
Colonial	209588	11/30/2011	5063
Colonial	209691	12/20/2011	5052
Colonial	209755	1/9/2012	5059
Colonial	209820	1/18/2012	5052
Colonial	209898	2/1/2012	5063
Colonial	210046	2/23/2012	5063
Colonial	210126	3/7/2012	5068
Colonial	210334	4/2/2012	4823


CEMView Client - Pinellas County Resource Recovery Facility - [Common: Monitor - System Overview]
File Edit View Tools System Window Help
B3 CO Warning Alarm
System
Boiler 1
Boiler 2
Boiler 3
Common
Monitor
Alarms
System Information and Control
Reports
System Overview
CO @ 7% O2 (ppmv)
Period Limit Boiler 1 Boiler 2 Boiler 3
CV 0D 15 101
15 MIN 0D 19 96
1 HR 76D 19S 100S
4HR Run. Avg 100 0.00 20.54 106.01
4HR Target 905 736 32
Alarm OFF OFF ON
Economizer O2 (%)
Period Limit Boiler 1 Boiler 2 Boiler 3
CV 20.35D 6.26 8.04
Stack O2 (%)
CV 21.09D 8.03 9.54
SDA Outlet Temp. (°F)
Period Limit Boiler 1 Boiler 2 Boiler 3
15 MIN 75.4D 309.6 306.1
1 HR 75.3D 309.5 299.2
4HR Run. Avg 349 0.00 308.90 300.66
4HR Target 2000 '615 682
Alarm OFF OFF OFF
Steam Flow (K lb/hr)
Period Limit Boiler 1 Boiler 2 Boiler 3
CV 0.0D 210.6 203.8
15 MIN 0.0D 202.4 194.8
1 HR 0.0D 209.9 223.3
4HR Run. Avg 259 0.01 209.73 228.32
4HR Target 500.0 500.0 464.8
Alarm OFF OFF OFF
NOx @ 7% O2 (ppmv)
Period Limit Boiler 1 Boiler 2 Boiler 3
CV 0.0D 201.2 158.8
15 MIN 0.0D 192.1 220.4
1 HR 0.0D 190.7 192.9
24HR Run. Avg 205 0.00 184.65 186.42
24HR Target 387.8 216 214
Alarm OFF OFF OFF
SO2 @ 7% O2 (ppmv)
Period Limit Boiler 1 Boiler 2 Boiler 3
CV 22.0D 1.5 10.4
15 MIN 22.6D 3.6 17.6
1 HR 21.7D 3.4 18.2
24HR Run. Avg 29 0.00 3.81 12.71
24HR Target 24 24 24
Alarm OFF OFF OFF
SO2 Removal Eff. (ppmv)
Period Limit Boiler 1 Boiler 2 Boiler 3
24HR Run. Avg 0.00 91.47 82.17
24HR Target 110.0 56.8 65.4
Opacity (%)
Period Limit Boiler 1 Boiler 2 Boiler 3
CV 0.01 0.63 1.77
1 MIN 0.02 0.64 1.89
6 MIN 10 0.00 1.00 2.00
Alarm OFF OFF OFF
Stack Flow (dscfm)
Period Limit Boiler 1 Boiler 2 Boiler 3
CV 0D 92274 130198
1 MIN 0D 90246 132741
Carbon Feed Rate (pph)
Period Limit Boiler 1 Boiler 2 Boiler 3
CV 0.00D 18.92 20.78
15 MIN 0.00D 18.85 16.93
1 HR 0.00D 17.99 17.28
8HR Run. Avg 15 0.00 17.81 17.15
8HR Target 26.53 12.19 12.72
Alarm OFF OFF OFF
Secondary Activated Carbon
Period Limit Boiler 1 Boiler 2 Boiler 3
State ON ON ON
1HR Run. Total 33.00 33.00 33.00
8HR Run. Total 179.13 213.00 213.00
Alarm OFF OFF OFF
Economizer O2 (%)
Period Limit Boiler 1 Boiler 2 Boiler 3
CV 20.35D 6.26 8.04
1 MIN 20.35D 6.08 8.47
15 MIN 20.35D 7.17 9.81
1 HR 20.04D 6.42 9.60
Stack O2 (%)
Period Limit Boiler 1 Boiler 2 Boiler 3
CV 21.09D 8.03 9.54
1 MIN 21.09D 8.11 10.07
15 MIN 21.09D 8.82 11.17
1 HR 21.11D 8.17 10.61
Stack Flow (acfm)
Period Limit Boiler 1 Boiler 2 Boiler 3
CV 0D 176138 257565
1 MIN 0D 176065 258792
Boiler 1
Boiler (ON - Steam Flow > 50 K lb/hr) OFF
Steam Flow - lb/hr (CV) 0.0D
Natural Gas Flow (ft³) 0D
MSW OFF
Boiler 2
Boiler (ON - Steam Flow > 50 K lb/hr) ON
Steam Flow - lb/hr (CV) 210.6
Natural Gas Flow (ft³) 0
MSW OFF
Boiler 3
Boiler (ON - Steam Flow > 50 K lb/hr) ON
Steam Flow - lb/hr (CV) 203.8
Natural Gas Flow (ft³) 0
MSW OFF
Status
All Alarms
All Comm OK
Boiler 1 Online
B2 Inlet Data Valid
B2 Outlet Data Valid
Boiler 2 Online
B3 Inlet Data Valid
B3 Outlet Data Valid
Boiler 3 Online
Primary CEMView ON
Backup CEMView ON
System Overview GHG and Rates Boiler 1 Boiler 2 Boiler 3 CO Mass Rates
User: J Glass, Access level: Manager
wk17661.dm1.na.local
11:34 AM
start
Pinellas County Reso...
CEMView Client - Pine...
CEMView Reporter - [...
11:34 AM

Rebecca S Macionski

From: Grondahl, Max <Max.Grondahl@dep.state.fl.us>
Sent: Monday, April 02, 2012 1:06 PM
To: Rebecca S Macionski
Subject: RE: Pinellas County Resource Recovery Facility; 28March2012 MWC Unit #1

Categories: Environmental Management, Excess Emission Event FDEP Notification

Hi again Rebecca,

Could you tell me if the #1 south hydraulic pump coupling mentioned below has been repaired or replaced?

Thanks,
Max

Please take a few minutes to share your comments on the service you received from the department by clicking on this link. DEP Customer Survey.
From: Rebecca S Macionski [mailto:rebecca.macionski@veoliaes.com]
Sent: Thursday, March 29, 2012 4:34 PM
To: Grondahl, Max; Henry, Danielle D.
Cc: Kelsi Oswald; Robert Hauser; Burns, Beth; Sam G Parker; tstankunas@earthshineinc.com; Bill Crellin; David H Blackmore; Christoper J Neu; Thomas Murphy
Subject: RE: Pinellas County Resource Recovery Facility; 28March2012 MWC Unit #1

Hello Max,

On March 28, 2012 at approximately 13:10 hours, MWC Unit #3 was experiencing erratic carbon monoxide levels. In response, the control room operator adjusted the combustion air. The erratic carbon monoxide levels were likely associated with the #1 south hydraulic pump coupling near eminent failure, which was discovered during a vibration level check. This could have affected the amount of hydraulic oil being delivered slowing the Martin grate operation creating a thick combustion fuel bed. Also during this period, MWC Unit #1 was experiencing boiler draft issues which also adversely affected combustion.

MWC Unit #1 recorded a carbon monoxide value of 101 ppm corrected to 7% oxygen for the four hour block average during the period from 12:00 to 15:59 hours.

Please feel free to contact me should you have any questions.

Kind Regards,
Rebecca

Veolia ES Pinellas, Inc.
3001 110th Avenue North
Saint Petersburg, FL 33713
(727) 572-9163

VEOLIA
ENVIRONMENTAL SERVICES
WASTE-TO-ENERGY
NORTH AMERICA

Excess Emission Notification or Explanation of Carbon/ Continuous Emission Monitor Event/ Discrepancy

Parameter	Permitted Level	Compliance Avg. Period	Circle *ALL* that Apply	MAGNITUDE
Opacity	10%	6-minute block average	Yes- Enter # of blocks	
Sulfur Dioxide	29 ppm corrected to 7% oxygen	24-hour geometric average	0000-2359	
Carbon Monoxide	100 ppm corrected to 7% oxygen	4-hour block average	***0000-0359***; 0400-0759; 0800-1159; 1200-1559; 1600-1959; 2000-2359	100
Nitrogen Oxides	205 ppm corrected to 7% oxygen	24-hour block average	0000-2359	
Steam Flow	265 kilo-pounds per hour	4-hour block average	0000-0359; 0400-0759; 0800-1159; 1200-1559; 1600-1959; 2000-2359	
SDA Outlet Temp.	340 degrees Fahrenheit	4-hour block average	0000-0359; 0400-0759; 0800-1159; 1200-1559; 1600-1959; 2000-2359	
Carbon Injection	15 pounds per hour	8-hour period	0000-0759; 0800-1559; 1600-2359	

*(**COPY OF CONTOL ROOM LOG BOOK MUST BE ATTACHED TO SIGNED VERSION OF THIS REPORT AND ELECTRONIC VERSION OF THIS FORM MUST BE EMAILED TO ENVIRONMENTAL MANAGER, OPERATIONS SUPERVISOR & MANAGER, AND FACILITY MANAGER**)*

EXCESS EMISSION/ CONTINUOUS EMISSION MONITORING SYSTEM EVENT

DATE	UNIT	PARAMETER	EVENT START TIME	EVENT END TIME	ROOT CAUSE OF EMISSIONS
3.26.12	1	CO	0000	0359	Thick bed, draft issues due to
					Pluggage

Explanation and plant status (Describe bed thickness, plant status (S/U, S/D?) OFA?UFA, fuel state, SNCR/SDA/Baghouse status etc):
Bed thick and starting to overfeed, bed has started to fuse together and prevent UGA from penetrating bed

Corrective Action taken:
Dropped load to 180K, south burner in service, increased grate speed to 100%, increased UGA ,feeding from different area of pit.

SHIFT SUPERVISOR NAME: Wilson
CONTROL ROOM OPERATOR: Coley

3-25-12 18:00-0600

:00 Dil R, Josh B, Louis M, Judy S, David R, Willie C B. Coles

Judy Feeding bll Boile

:00 B101 load is 210K
B102 load is 2401K
B103 load is 180K

:00 #1 TG 83mw #2 TG 20mw

:00 bll Boile are Burning CO

:00 B101 Feeds are in Emergency.

:00 B103 Burners are in service due to 96 steam and CO spike.

:00 bll Boile FWT are are in Manual.

:00 B101 FT Comp outlet pressure is 96 18.5 in

:00 bll Boile ERV are in Manual.

:00 the Feed quality is poor.

:00 B101, B103 are on steam Flow Mode

:00 B101, B103 Making adjustments to control CO.

MAR 25 2012

18:00 B101, B102 are having some opaci

18:00 B102 77 comp outlet pressure is 96: 18

18:00 All Drum Levs are in service

19:42 Clean the lime slurry tank strine

19:47 Sulfric line at the lab tank has a 96 ale w/o in.

19:56 B101, B102 Riddling are Exercies

20:04 V-5 has a Broken Belt

20:04 B103 96: steam Flow spike and CO.

20:05 B102 opacity is spiking on 2-8 7-7 comp.

20:10 B101 opacity is 96: 2.09 Checkin 7-7 comp

20:40 B101 and B103 CO is swing

20:40 B103 increasing the load to 20

20:50 B103 Run #4 Rgone #5 is plu Cleared.

20:54 P112 Motor is Bad

21:00 B101 popping doors due to 96 outlet pressure.

V-5 upon Energy and C-4
V-8. Main on

B102 96: Co due to steam flow
spike up, adjusted the O2-1
and pressure.

B101 load is at 230K
B103 load is at 215K

B102 soot Blower is warming
Econo Temp 552 ⇒ 520

B103 soot Blower is warming
Econo Temp 475 ⇒ 459

Stop the Gallery Belt due
to V-5, V-8 are Back up.

B102 27-comp 2-8 is low
due to 96 opacity.

B103 27 comp Checking the
Shaker doing a Cleaning Cycle

MAR 26 2012

B103 Burner is out.

B101 96: Co spike, load is at 235K
B102 load is at 240K
B103 load at 235K

B101 soot Blower is warming
Econo Temp 536 ⇒ 522

B101 #3 grate is in blam.

B101 load lower to 200K

MAR 20 2012

01:40	B101 load at 200K due to thick Bed
01:40	B101 slug with wet fue
01:42	B101 load lower to 180K due to steam spikes
0142	B101 adjusted the O2 to 100
0145	B101 put the Burner in Serv
01:51	B101 North Burner Trip on Flame failure.
02:00	B101 Fuel is wet, slug low dropping out.
02:00	B101 outlet pressure is 76i
02:00	B101 load is at 150K due wet Fuel.
02:08	B101 Burner are in service
02:08	B101 lower the VFD to 30%
02:08	B101 pressure is at 17 in.
02:20	B101 stop Blowers and de to hi steam and CO Spi
02:42	B103 Drop load to 225 d to steam flow spiking and C
0250	Stop the galley Belt Fan
0308	B101 South Burner Trip

Pinellas County Resource Recovery Facility

Pinellas County, Florida

Exceedance report for the period from Monday, March 26, 2012 to Monday, March 26, 2012

Device: IN_MCS_S1 Component: B1 O2 Corr CO (ppm)

Report Summary for 4-hour interval

Exceedance	Duration (D:H:M)	Reason
100.00%	00:04:00	Exceedance Condition
100.00%	00:04:00	Operating hours in the reporting period = 4 hours

Report Details for 4-hour interval

Start Time End Time	Duration Average	Reason Action
03/26/2012 00:00	00:04:00	Exceedance Condition
03/26/2012 04:00	100	Exceedance Condition Resolved
Total Duration:	00:04:00	Total number of Events: 1