

SEPA AYR

22 SEP 2010

RECEIVED

Ref: SEPA 10/054
10th September 2010

The Registrar
Scottish Environmental Protection Agency
Redwood Crescent
Peel Park
East Kilbride
G74 5PP

RECEIVED SEPA
17 SEP 2010
EAST KILBRIDE

Dear Registrar,

POLLUTION PREVENTION AND CONTROL ACT 1999
POLLUTION PREVENTION AND CONTROL (SCOTLAND)
REGULATIONS 2000 ("the Regulations")
OPERATOR: SCOTGEN (DUMFRIES) LTD
SITE: DARGAVEL ENERGY FROM WASTE FACILITY, LOCKERBIE ROAD, DUMFRIES
PERMIT REFERENCE NUMBER: PPC/A/1022412

As requested by our PPC permit please find enclosed copies of the incident report form the 07th to 09th of September 2010. I trust you will find the contents satisfactory and if you require any further information please do not hesitate to contact me or the compliance assistant, Craig Steel.

P.P. [Signature]

Andy Carey
Facilities Director
Scotgen (Dumfries) Ltd

Dargavel Stores, off Lockerbie Road
Dumfries, Scotland
DG1 3PG

Telephone: 01387 240066
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email: info@scotgenltd.co.uk
web: www.scotgenltd.co.uk

Company Registration Number: SC180809

Permit No. PPC/A/1022412 Dargavel EfW facility
Scotgen (Dumfries) Ltd

Incident Report Stream 1

Incident notified by phone Y/N
Confirmed by 1st class post/Fax Y/N
Report complete here Y/N

Y
Y
Y

Nature of the incident

Oxygen

Time and duration of the incident

07/09/10 15:22-24

Receiving environmental medium or media

None

Estimate of quantity and composition

Detailed by supplied tables

Measures taken to prevent or minimise emission

Abatement controls, oxygen control and temperature control, emission and temperature compliant

Report of the Investigation

Refer to attached documentation
Increase in synthesis gas production and energy from chamber in gasification decreasing oxygen suddenly very momentary, fans compensated and corrected automatically

Steps taken to bring the incident to an end

automatic controls to reduce air flow in gasification chamber slightly and increase SCC fans.

Proposals for remediation

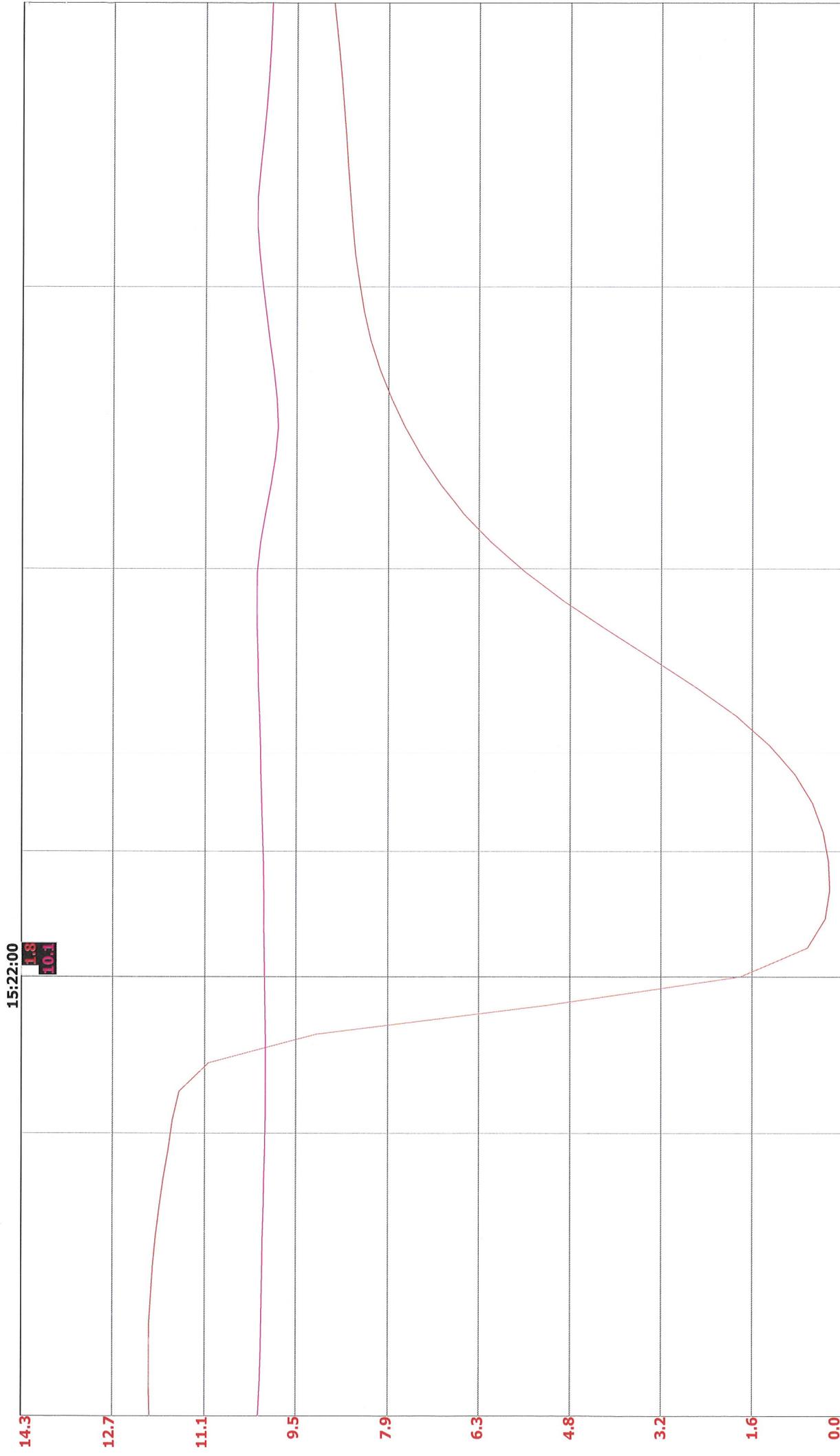
encourage slow release of energy to the system

Proposals for preventing a repetition

encourage slow release of energy to the system

END

Disclaimer: I hope all the information supplied is suitable if you could please get in touch within 14 working days if requiring further information



Time	15:19:28	15:21:06	16:20:00	Min	Max	Units
Stream 1 Gas Oxygen from Boiler, QT3501_1	11.8	11.3	21.8	0.0	14.3%	
Stream 2 Gas Oxygen from Boiler, QT3501_2	10.1	11.3	11.3	0.0	14.3%	
Not Configured			0.0	0.0	171.4-	
Not Configured			???	0.0	171.4-	
Not Configured			???	0.0	171.4-	
Not Configured			???	0.0	171.4-	
Not Configured			???	0.0	171.4-	

Permit No. PPC/A/1022412 Dargavel EfW facility
Scotgen (Dumfries) Ltd

Incident Report Stream 1

Incident notified by phone Y/N
Confirmed by 1st class post/Fax Y/N
Report complete here Y/N

Y
Y
Y

Nature of the incident

SCC temperature
CO breach 10 and 30 minute likely compliant

Time and duration of the incident

08/09/10 0317-04:35 & 10:07-14

Receiving environmental medium or media

None

Estimate of quantity and composition

Detailed by supplied tables

Measures taken to prevent or minimise emission

Abatement controls, oxygen control and temperature control, emission and oxygen compliant

Report of the Investigation

Refer to attached documentation
burner issue, operative investigated issues reset burners and re-established temperature until
nozzle cleaning could be done during dayshift which caused the issue at 10:07

Steps taken to bring the incident to an end

automatic controls to reduce air flows and re-establish burners and there stages.

Proposals for remediation

modification on burner under current trials

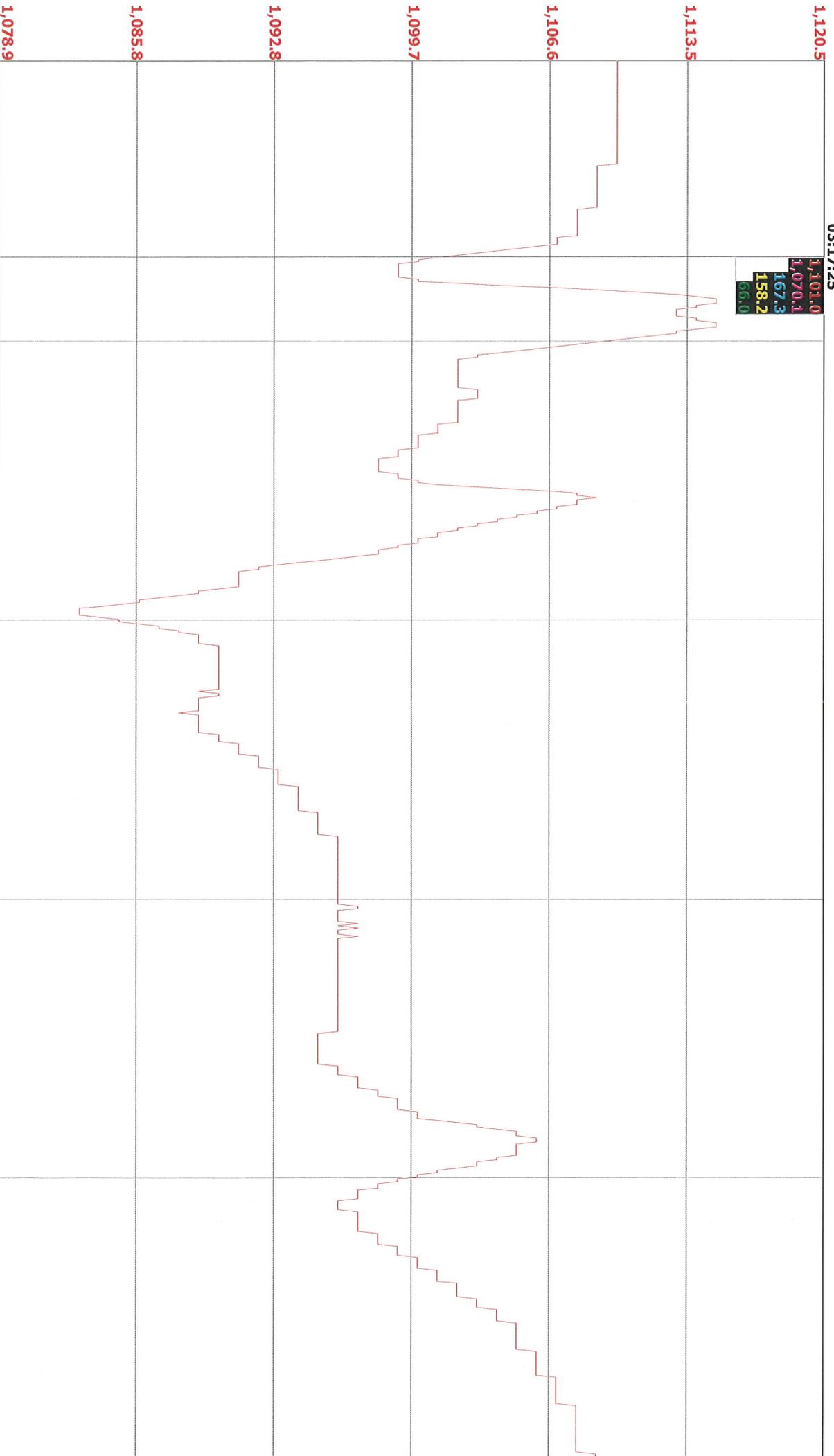
Proposals for preventing a repetition

modification on burner under current trials

END

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working days if requiring further information

03:17:25



Caption	03:02:24	03:23:53	03:45:22	04:06:51	04:28:20	04:49:49	Units
Stream 1 - Secondary Combustion Chamber 1 Temperature, TT2300_1			14:43:10	Min	Max		
Stream 1 Secondary Combustion Outlet Temperature, TT3314_1			68.0	1,078.9	1,120.5		°C
Stream 1 - Boiler Discharge Temperature, TT4300_1			33.0	231.2	240.1		°C
Stream 1 Waste Heat Boiler Outlet Temperature, TT3315_1			34.9	924.8	960.4		°C
Bag Filter Inlet Temperature Stream 1, TT4303_1			44.3	231.2	240.1		°C
Stream 1 Flue Gas Recirculation Temperature, TT2302_1			32.9	231.2	240.1		°C
Not Configured			0.0	231.2	240.1		
Not Configured			???	231.2	240.1		

CDAS 2004 Daily Report for Stream One on the 08 September 2010

Report printed at 16:48 on the 09 September 2010

	HCl mg/Nm ³	SO ₂ mg/Nm ³	NO _x mg/Nm ³	CO mg/m ³	NH ₃ mg/m ³	Flow kNm ³ /hr	Dust Nm ³ /m ³	VOC (FID) Nm ³ /m ³
00:00 to 00:29	5.71	13.90	95.61	16.33	0.03	15.11	0.27	0.90
00:30 to 00:59	6.67	18.91	90.99	13.94	0.05	15.00	0.26	0.86
01:00 to 01:29	6.64	17.82	80.83	17.00	1.97	14.97	0.26	0.85
01:30 to 01:59	6.07	20.77	79.93	20.08	6.28	15.00	0.23	1.03
02:00 to 02:29	6.56	19.18	84.99	16.24	7.30	15.06	0.25	1.05
02:30 to 02:59	7.99	20.31	83.81	14.96	7.54	14.99	0.25	1.06
03:00 to 03:29	7.14	19.76	67.15	155.71	6.46	14.85	0.27	2.67
03:30 to 03:59	5.61	2.17	61.48	49.33	5.97	12.70	0.33	1.77
04:00 to 04:29	4.33	2.26	98.19	7.99	4.95	8.79	0.42	1.23
04:30 to 04:59	3.27	5.82	35.22	6.74	2.49	7.11	0.31	0.97
05:00 to 05:29	2.36	3.30	38.80	3.93	0.39	6.62	0.31	0.69
05:30 to 05:59	2.01	5.49	33.52	3.06	0.06	6.22	0.29	0.47
06:00 to 06:29	1.70	7.76	48.72	2.76	0.06	5.30	0.25	0.38
06:30 to 06:59	1.76	6.52	67.97	2.28	0.03	5.36	0.24	0.22
07:00 to 07:29	1.97	7.38	62.70	2.07	0.07	5.42	0.28	0.14
07:30 to 07:59	2.34	7.91	47.02	1.81	0.03	4.76	0.29	0.07
08:00 to 08:29	2.58	9.56	51.06	1.78	0.28	4.99	0.25	0.03
08:30 to 08:59	2.99	10.76	42.31	1.77	3.36	4.75	0.41	0.06
09:00 to 09:29	2.56	11.42	34.54	1.47	4.45	4.90	0.24	0.15
09:30 to 09:59	3.61	14.57	31.02	71.52	1.02	4.99	0.24	0.09
10:00 to 10:29	3.68	4.49	70.99	4.15	0.04	9.09	0.43	-0.16
10:30 to 10:59	3.68	-1.28	115.65	6.68	0.09	14.42	0.35	-0.18
11:00 to 11:29	3.28	-0.03	93.73	87.90	1.25	15.21	0.40	1.23
11:30 to 11:59	2.98	-3.78	68.13	9.82	4.14	15.53	0.37	-0.08
12:00 to 12:29	2.27	7.17	38.13	9.06	0.39	10.98	0.37	0.22
12:30 to 12:59	2.82	26.77	51.15	7.56	0.04	10.78	0.41	0.19
13:00 to 13:29	3.31	21.55	53.13	9.78	0.04	10.74	0.44	0.26
13:30 to 13:59	3.29	16.34	51.13	10.62	1.64	10.56	0.37	0.27
14:00 to 14:29	3.74	21.52	49.58	10.38	1.09	10.58	0.36	0.28
14:30 to 14:59	3.59	25.45	53.57	8.15	0.07	10.51	0.42	0.36
15:00 to 15:29	3.19	14.99	50.86	8.76	0.06	10.61	0.41	0.49
15:30 to 15:59	4.74	17.82	46.87	10.03	0.06	10.68	0.43	0.41
16:00 to 16:29	4.31	20.49	50.94	10.30	0.06	10.71	0.48	0.42
16:30 to 16:59	4.69	21.75	56.84	10.24	0.04	10.74	0.50	0.44
17:00 to 17:29	5.02	22.69	63.83	9.77	0.04	10.69	0.51	0.45
17:30 to 17:59	5.49	22.51	61.84	9.61	0.72	10.77	0.44	0.45
18:00 to 18:29	4.08	22.24	52.77	12.35	4.88	10.75	0.41	0.47
18:30 to 18:59	5.19	23.47	58.55	9.74	4.65	10.94	0.40	0.44
19:00 to 19:29	5.18	13.36	65.97	8.36	2.65	11.11	0.45	0.41
19:30 to 19:59	5.70	20.76	70.79	5.20	0.06	11.12	0.45	0.39
20:00 to 20:29	7.51	19.89	66.05	5.71	0.04	11.17	0.40	0.39
20:30 to 20:59	5.20	9.02	58.85	5.61	0.17	9.31	0.36	0.45
21:00 to 21:29	3.27	10.12	59.82	3.43	0.06	7.65	0.27	0.47
21:30 to 21:59	4.15	14.42	60.26	2.66	3.44	7.46	0.27	0.43
22:00 to 22:29	4.97	18.64	59.02	2.18	7.93	7.31	0.24	0.15
22:30 to 22:59	6.15	25.20	55.48	1.97	4.16	7.26	0.29	0.14
23:00 to 23:29	7.90	30.06	55.43	1.90	0.08	7.19	0.33	0.09
23:30 to 23:59	6.86	11.01	46.22	3.66	0.06	7.09	0.24	0.10
Period Alarm Limit	60.00	200.00	400.00	100.00	20.00	N/A	30.00	20.00
No of Exceedances	0	0	0	1	0	N/A	0	0
Maximum Average	7.99	30.06	115.65	155.71	7.93	15.53	0.51	2.67
Minimum Average	1.70	-3.78	31.02	1.47	0.03	4.75	0.23	-0.18
97 Percentile	7.90	26.77	98.19	87.90	7.54	15.21	0.50	1.77
Daily Limit	10.00	50.00	200.00	50.00	10.00	N/A	10.00	10.00
Daily Average	4.38	14.21	60.86	14.51	1.89	9.95	0.34	0.49
Average Below Limit	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes

CDAS 2004 Daily Report for Stream One on the 08 September 2010

Report printed at 16:50:15 on the 09 September 2010

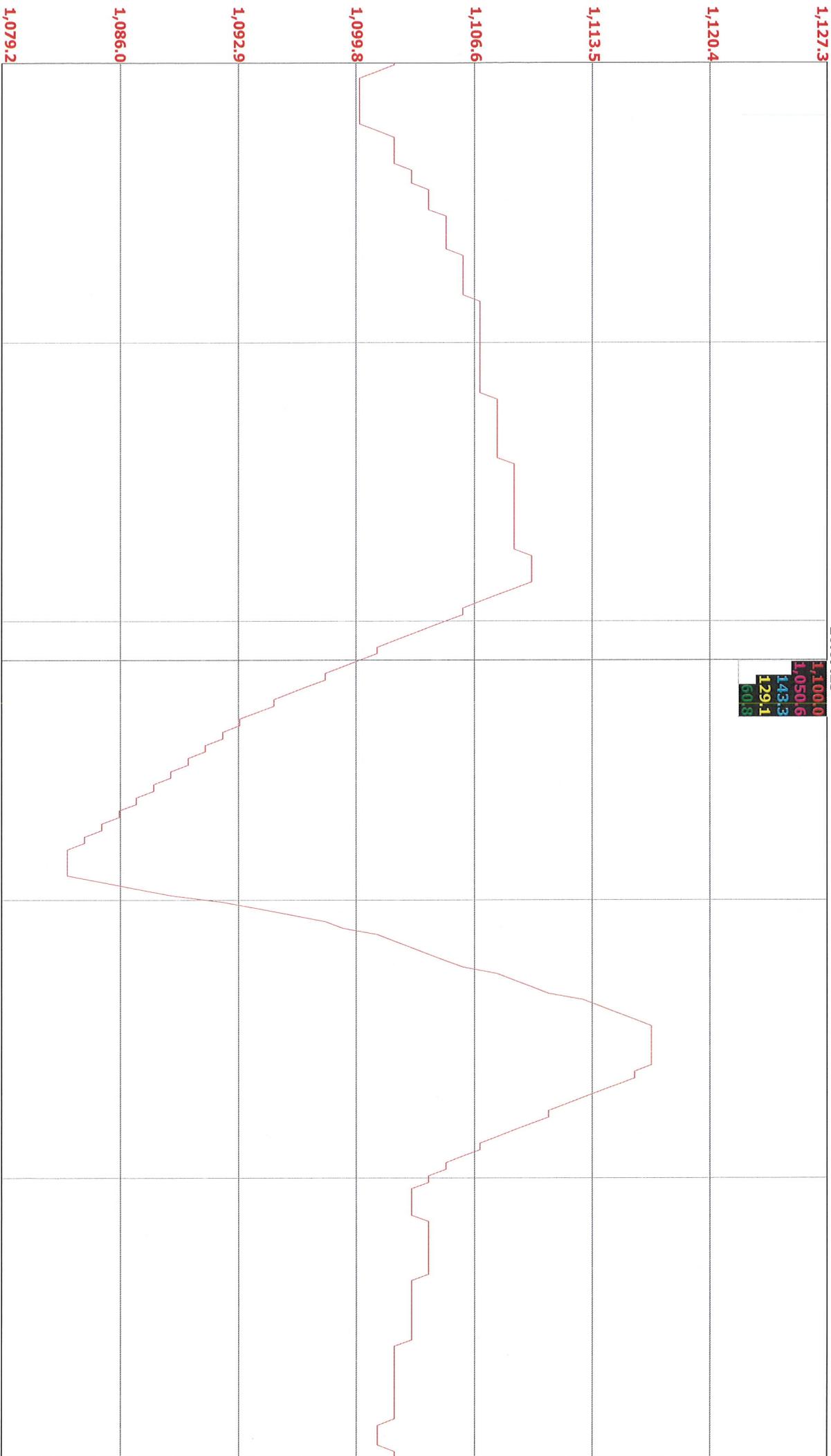
CO mg/m3

00:00 to 00:09	N/A	08:00 to 08:09	1.78	16:00 to 16:09	9.77
00:10 to 00:19	19.98	08:10 to 08:19	1.82	16:10 to 16:19	8.67
00:20 to 00:29	14.11	08:20 to 08:29	1.74	16:20 to 16:29	12.47
00:30 to 00:39	N/A	08:30 to 08:39	1.86	16:30 to 16:39	11.19
00:40 to 00:49	17.36	08:40 to 08:49	1.78	16:40 to 16:49	8.83
00:50 to 00:59	12.73	08:50 to 08:59	1.63	16:50 to 16:59	10.71
01:00 to 01:09	16.22	09:00 to 09:09	N/A	17:00 to 17:09	11.99
01:10 to 01:19	16.07	09:10 to 09:19	1.29	17:10 to 17:19	9.50
01:20 to 01:29	18.72	09:20 to 09:29	1.20	17:20 to 17:29	7.81
01:30 to 01:39	19.15	09:30 to 09:39	1.12	17:30 to 17:39	9.56
01:40 to 01:49	21.86	09:40 to 09:49	1.57	17:40 to 17:49	10.41
01:50 to 01:59	19.22	09:50 to 09:59	211.88	17:50 to 17:59	8.52
02:00 to 02:09	17.82	10:00 to 10:09	3.84	18:00 to 18:09	N/A
02:10 to 02:19	13.18	10:10 to 10:19	4.53	18:10 to 18:19	11.38
02:20 to 02:29	17.72	10:20 to 10:29	4.09	18:20 to 18:29	12.97
02:30 to 02:39	13.93	10:30 to 10:39	4.30	18:30 to 18:39	10.93
02:40 to 02:49	12.70	10:40 to 10:49	4.42	18:40 to 18:49	8.63
02:50 to 02:59	19.65	10:50 to 10:59	11.31	18:50 to 18:59	9.65
03:00 to 03:09	N/A	11:00 to 11:09	251.77	19:00 to 19:09	10.59
03:10 to 03:19	10.27	11:10 to 11:19	5.46	19:10 to 19:19	7.85
03:20 to 03:29	358.71	11:20 to 11:29	6.48	19:20 to 19:29	6.65
03:30 to 03:39	29.52	11:30 to 11:39	7.22	19:30 to 19:39	5.78
03:40 to 03:49	106.46	11:40 to 11:49	7.91	19:40 to 19:49	5.17
03:50 to 03:59	12.02	11:50 to 11:59	15.45	19:50 to 19:59	4.66
04:00 to 04:09	9.07	12:00 to 12:09	N/A	20:00 to 20:09	4.46
04:10 to 04:19	7.89	12:10 to 12:19	9.62	20:10 to 20:19	4.91
04:20 to 04:29	7.01	12:20 to 12:29	8.17	20:20 to 20:29	7.76
04:30 to 04:39	8.30	12:30 to 12:39	7.94	20:30 to 20:39	6.54
04:40 to 04:49	6.89	12:40 to 12:49	7.35	20:40 to 20:49	5.45
04:50 to 04:59	5.03	12:50 to 12:59	7.38	20:50 to 20:59	4.63
05:00 to 05:09	4.29	13:00 to 13:09	12.63	21:00 to 21:09	N/A
05:10 to 05:19	3.84	13:10 to 13:19	9.02	21:10 to 21:19	3.55
05:20 to 05:29	3.65	13:20 to 13:29	7.67	21:20 to 21:29	3.17
05:30 to 05:39	3.22	13:30 to 13:39	12.46	21:30 to 21:39	2.94
05:40 to 05:49	3.04	13:40 to 13:49	10.88	21:40 to 21:49	2.58
05:50 to 05:59	2.87	13:50 to 13:59	8.54	21:50 to 21:59	2.46
06:00 to 06:09	N/A	14:00 to 14:09	8.09	22:00 to 22:09	2.22
06:10 to 06:19	2.89	14:10 to 14:19	10.66	22:10 to 22:19	2.23
06:20 to 06:29	2.52	14:20 to 14:29	12.38	22:20 to 22:29	2.09
06:30 to 06:39	2.37	14:30 to 14:39	9.13	22:30 to 22:39	2.07
06:40 to 06:49	2.29	14:40 to 14:49	7.83	22:40 to 22:49	1.99
06:50 to 06:59	2.17	14:50 to 14:59	7.24	22:50 to 22:59	1.85
07:00 to 07:09	2.09	15:00 to 15:09	N/A	23:00 to 23:09	1.94
07:10 to 07:19	2.07	15:10 to 15:19	9.10	23:10 to 23:19	1.88
07:20 to 07:29	2.04	15:20 to 15:29	7.19	23:20 to 23:29	1.89
07:30 to 07:39	1.90	15:30 to 15:39	6.71	23:30 to 23:39	2.59
07:40 to 07:49	1.88	15:40 to 15:49	11.43	23:40 to 23:49	4.10
07:50 to 07:59	1.66	15:50 to 15:59	11.94	23:50 to 23:59	4.58
Period Alarm Limit	150.00				
No of Exceedances	3	<i>3 exceedances with 144 Samples</i>			
Maximum Average	358.71				
95 Percentile	19.98				
Daily Limit	50.00				
Daily Average	14.26				
Average Below Limit	Yes				

3/144 x 100 = 97.92%

10:07:23

1,100.0
1,050.6
143.3
129.1
60.8



Caption	16:34:17	Min	Max	Units
Stream 1 - Secondary Combustion Chamber 1 Temperature, TT2300_1	274.0	1,079.2	1,127.3	C
Stream 1 - Boiler Discharge Outlet Temperature, TT3314_1	324.2	925.0	966.2	C
Stream 1 - Waste Heat Boiler Outlet Temperature, TT3315_1	89.0	231.2	241.6	C
Bag Filter Inlet Temperature Stream 1, TT4303_1	89.3	925.0	966.2	C
Stream 1 Flue Gas Recirculation Temperature, TT2302_1	85.4	231.2	241.6	C
Not Configured	49.2	231.2	241.6	C
Not Configured	0.0	231.2	241.6	C
Not Configured	???	231.2	241.6	C

Permit No. PPC/A/1022412 Dargavel EfW facility
Scotgen (Dumfries) Ltd

Incident Report Stream 2

Incident notified by phone Y/N
Confirmed by 1st class post/Fax Y/N
Report complete here Y/N

Y
Y
Y

Nature of the incident

Bypass stack opening (5 minutes)
Oxygen breach

Time and duration of the incident

08/09/10 10:33-38

Receiving environmental medium or media

None

Estimate of quantity and composition

Detailed by supplied tables

Measures taken to prevent or minimise emission

Abatement controls, oxygen control and temperature control, emission and temperature compliant

Report of the Investigation

Refer to attached documentation
SCC ID fan pressure fault by going to maximum settings, engaging guard plc opening bypass stack

Steps taken to bring the incident to an end

system reset (ID fans and Guard plc) and program brought back on gradually

Proposals for remediation

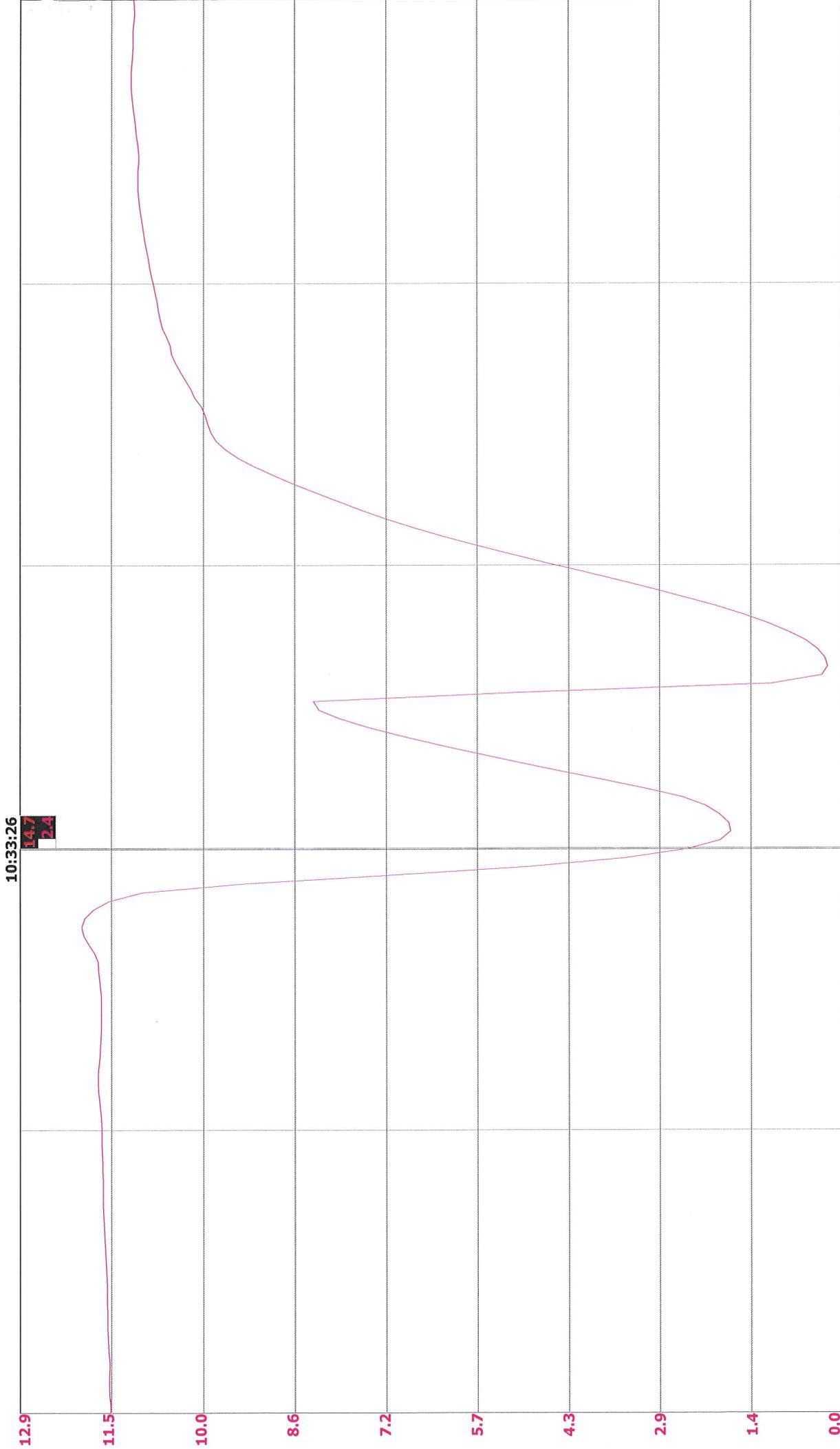
operators to monitor ID fans status closely and determine whether there is sufficient capacity for the chambers air flow throughput compared to the blockage of the boiler.

Proposals for preventing a repetition

operators to monitor ID fans status closely and determine whether there is sufficient capacity for the chambers air flow throughput compared to the blockage of the boiler.

END

Disclaimer: I hope all the information supplied is suitable if you could please get in touch within 14 working days if requiring further information



10:22:36	10:28:02	15:58:13	10:33:28	10:38:53	10:44:19	10:49:45
Caption		Units				
Stream 1 Gas Oxygen from Boiler, QT3501_1	21.9	0.0	12.9	%		
Stream 2 Gas Oxygen from Boiler, QT3501_2	11.2	0.0	12.9	%		
Not Configured	0.0	0.0	154.6	-		
Not Configured	???	0.0	154.6	-		
Not Configured	???	0.0	154.6	-		
Not Configured	???	0.0	154.6	-		
Not Configured	???	0.0	154.6	-		

Permit No. PPC/A/1022412 Dargavel EfW facility
Scotgen (Dumfries) Ltd

Incident Report Stream 2

Incident notified by phone Y/N
Confirmed by 1st class post/Fax Y/N
Report complete here Y/N

Y
Y
Y

Nature of the incident

Oxygen

Time and duration of the incident

09/09/10 13:35-36

Receiving environmental medium or media

None

Estimate of quantity and composition

Detailed by supplied tables

Measures taken to prevent or minimise emission

Abatement controls, oxygen control and temperature control, emission and temperature compliant

Report of the Investigation

Refer to attached documentation
Increase in synthesis gas production and energy from chamber in just placed in ignition, decreasing oxygen suddenly and very momentary, fans compensated and corrected automatically

Steps taken to bring the incident to an end

automatic controls to reduce air flow in gasification chamber slightly and increase SCC fans.

Proposals for remediation

encourage slow release of energy to the system

Proposals for preventing a repetition

encourage slow release of energy to the system

END

Disclaimer: I hope all the information supplied is suitable if you could please get in touch within 14 working days if requiring further information

