

EPA Licence Number: L2692
Licensee Name: CSR Viridian Limited
Licensee Address: 8 Williamson Road, Ingleburn, NSW, 2565
Link to Licence: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32128&SYSUID=1&LICID=2692>

CORRECTION LOG

Exceedance / Non-Compliance

Sampling Point	Month / Year	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	Min. Value	Mean Value	Max. Value	Data collected	100 percentile limit	Exceedance (yes/no)	Date Published	Corrected Data	Date Corrected	Reason	Extent of Exceedance	Reason / Context
Point 1	April-2012	NOx	mg/m ³	Continuous	778	1390	1920	93.50%	2500	No	30/06/2012					
		Opacity	%	Continuous	1.4	6.1	11.9	99.60%	20% for a 6 minute average	No	30/06/2012					
	May-2012	NOx	mg/m ³	Continuous	312	1400	1830	93.50%	2500	No	30/06/2012					
		Opacity	%	Continuous	2.2	6.6	10.6	99.50%	20% for a 6 minute average	No	30/06/2012					
	June-2012	NOx	mg/m ³	Continuous	567	1240	1950	90.40%	2500	No	13/07/2012					
		Opacity	%	Continuous	1.0	6.7	13.7	99.60%	20% for a 6 minute average	No	13/07/2012					
	July-2012	NOx	mg/m ³	Continuous	815	1380	2430	92.40%	2500	No	16/08/2012					
		Opacity	%	Continuous	2.6	7.5	16.3	99.50%	20% for a 6 minute average	No	16/08/2012					
	August-2012	NOx	mg/m ³	Continuous	390	1410	2020	90.90%	2500	No	10/09/2012					
		Opacity	%	Continuous	1.3	7.1	15.5	99.20%	20% for a 6 minute average	No	10/09/2012					
	September-2012	NOx	mg/m ³	Continuous	521	1360	2040	93.50%	2500	No	16/10/2012					
		Opacity	%	Continuous	2.5	6.9	16.8	99.50%	20% for a 6 minute average	No	16/10/2012					
	October-2012	NOx	mg/m ³	Continuous	760	1370	1870	89.40%	2500	No	12/11/2012					
		Opacity	%	Continuous	1.7	6.6	14.1	99.50%	20% for a 6 minute average	No	12/11/2012					
	November-2012	NOx	mg/m ³	Continuous	435	1130	2030	91.60%	2500	No	15/01/2013					
		Opacity	%	Continuous	1.2	7.7	15.9	93.80%	20% for a 6 minute average	No	15/01/2013					
	December-2012	NOx	mg/m ³	Continuous	246	826	1630	91.60%	1750	No	15/01/2013					
		Opacity	%	Continuous	0.4	6.3	22.8	99.60%	20% for a 6 minute average	No	15/01/2013					
	January-2013	NOx	mg/m ³	Continuous	257	779	1340	93.20%	1750	No	8/02/2013					
		Opacity	%	Continuous	0.0	4.2	33.9	99.60%	20% for a 6 minute average	No	8/02/2013					
	February-2013	NOx	mg/m ³	Continuous	365	764	1230	94.10%	1750	No	15/03/2013					
		Opacity	%	Continuous	3.6	7.4	23.6	94.70%	20% for a 6 minute average	No	15/03/2013					
	March-2013	NOx	mg/m ³	Continuous	421	1010	1500	80.40%	2500	No	15/04/2013					

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ON - SITE - NOx MONITOR Downtime - excluding Daily Zero and Span checks at 5:05 -6:15

DATE TIME	EXPECTED VALUE (PPM)	MEASURED VALUE (PPM)	% DIFFERENCE	(%) ² DIFFERENCE
4/04/12 10:15-12:00	504	516	2.33	5.41
10/04/12 23:00-23:40	504	536	6.01	36.17
17/04/12 10:50-11:55	504	503	0.25	0.06
24/04/12 8:00-10:00	504	519	2.94	8.63
26/04/12 13:10-15:00	504	506	0.35	0.12
27/04/12 10:05-12:25	513	509	0.78	0.61
1/05/12 10:10-11:45	513	511	0.34	0.12
09/05/12 10:00-11:30	513	515	0.39	0.15
15/05/12 10:00-12:00	513	516	0.63	0.4
23/05/12 10:00-14:00	513	486	5.26	27.7
24/05/12 13:00-15:00	513	514	0.15	0.02
30/05/12 10:30-14:30	513	509	0.73	0.53
6/06/12 8:00-10:00	513	514	0.24	0.06
8/06/12 10:00-12:00	513	535	4.11	16.91
13/06/12 8:15-14:30	513	493	3.95	15.58
15/06/12 10:00-12:00	513	523	1.96	3.84
18/06/12 13:00-16:50	513	509	0.88	0.77
19/06/12 10:10-11:25	513	502	2.24	5.03
26/06/12 10:00-15:00	513	474	7.65	58.54
2/07/12 13:50-15:30	513	548	6.3	39.71
10/07/12 10:55-12:00	513	517	0.82	0.68
13/07/12 8:20-10:00	513	531	3.44	11.8

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DATE TIME	EXPECTED VALUE (PPM)	MEASURED VALUE (PPM)	% DIFFERENCE	(%) ² DIFFERENCE
16/07/12 13:40-15:00	513	526	2.47	6.11
18/07/12 13:30-15:30	513	674	23.83	567.9
19/07/12 10:00-11:30	513	530	3.25	10.58
27/07/12 10:10-12:10	513	493	3.9	15.2
30/07/12 10:30-12:00	513	498	2.92	8.55
2/08/12 13:10-14:30	513	510	0.58	0.34
8/08/12 8:10-10:10	513	487	5.17	26.68
10/08/12 10:05-12:11	513	451	12.13	147.25
14/08/12 15:00-16:00	513	555	7.57	57.27
15/08/12 8:30-9:30	513	620	17.19	295.54
20/08/12 12:20-16:10	513	513	0	0
23/08/12 11:30-13:00	513	495	3.56	12.66
29/08/12 10:00-11:30	513	507	1.12	1.26
31/08/12 10:20-11:31	513	514	0.19	0.04
4/09/12 8:10-9:45	513	494	3.65	13.36
11/09/12 8:10-9:30	514	535	3.93	15.41
18/09/12 13:30-15:00	514	510	0.78	0.61
25/09/12 9:00-10:30	514	513	0.15	0.02
3/10/12 10:10-15:00	514	519	1.01	1.02
5/10/12 8:00-9:20	514	540	4.81	23.18
8/10/12 8:00-12:00	514	525	2.05	4.2
10/10/12 10:00-12:30	514	531	3.16	9.96

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ON - SITE - NOx MONITOR Downtime - excluding Daily Zero and Span checks at 5:05 -6:15

DATE TIME	EXPECTED VALUE (PPM)	MEASURED VALUE (PPM)	% DIFFERENCE	(%) ² DIFFERENCE
12/10/12 10:17-1:55	514	532	3.43	11.76
16/10/12 8:20-11:50	514	501	2.58	6.65
17/10/12 10:10-11:50	514	529	2.74	7.53
19/10/12 10:10-11:45	514	527	2.37	5.64
22/10/12 8:30-9:15	514	532	3.38	11.45
25/10/12 8:10-9:20	514	519	0.96	0.93
30/10/12 10:55-11:35	514	484	5.84	34.07
31/10/12 10:00-12:00	514	504	1.95	3.79
1/11/12 11:00 - 12:30	514	528	2.56	6.55
5/11/12 10:25 - 12:20	514	550	6.5	42.29
6/11/12 10:00 - 12:00	514	554	7.26	52.74
7/11/12 8:00 - 9:00	514	492	4.33	18.74
12/11/12 8:30 - 9:30	514	476	7.34	53.94
13/11/12 8:00 - 9:30	514	511	0.54	0.29
20/11/12 8:10 - 8:50	514	515	0.24	0.06
21/11/12 10:10 - 11:00	514	514	0	0
26/11/12 8:00 - 10:00	514	518	0.72	0.52
3/12/12 10:20 - 12:20	514	493	4.09	16.69
4/12/12 8:00 - 9:00	514	532	3.38	11.45
6/12/12 8:50- 9:30	514	490	4.62	21.35
10/12/12 11:20-12:00	514	485	5.64	31.83
11/12/12 11:00-11:35	514	513	0.29	0.09

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ON - SITE - NOx MONITOR Downtime - excluding Daily Zero and Span checks at 5:05 -6:15

DATE TIME	EXPECTED VALUE (PPM)	MEASURED VALUE (PPM)	% DIFFERENCE	(%) ² DIFFERENCE
17/12/12 8:30-9:30	514	515	0.19	0.04
18/12/12 10:15-14:30	514	508	1.26	1.6
20/12/12 8:40-9:30	514	525	2.1	4.39
22/12/12 9:20-10:35	514	465	9.58	91.81
24/12/12 8:00-9:00	514	563	8.62	74.34
27/12/12 14:00-15:00	514	442	14.06	197.58
31/12/12 8:40-12:00	514	496	3.55	12.61
10/01/13 08:20 - 9:10	514	493	4.09	16.69
15/01/13 8:45 - 9:30	514	473	7.98	63.63
18/01/13 11:00- 12:15	514	581	11.46	131.23
21/01/13 14:00-15:00	514	482	6.32	39.98
23/01/12 10:00-12:00	514	510	0.73	0.53
29/01/13 15:00-16:00	514	508	1.12	1.25
30/01/13 15:00-15:30	514	538	4.46	19.9
31/01/13 14:10-14:45	897	897	0	0
01/02/13 11:45 - 12:30	897	868	3.29	10.82
04/02/13 13:30 - 15:00	897	818	8.86	78.55
05/02/13 10:00- 14:00	897	853	4.96	24.61
12/02/13 8:00-10:30	897	893	0.5	0.25
19/02/12 13:30-14:30	897	925	3.03	9.16
25/02/13 10:00-11:00	897	953	5.83	33.95
26/02/13 13:30-14:30	897	953	5.83	33.95

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DATE TIME	EXPECTED VALUE (PPM)	MEASURED VALUE (PPM)	% DIFFERENCE	(%) ² DIFFERENCE
04/03/13 11:00 - 12:30	897	855	4.68	21.92
8/03/13 8:00 - 9:30	897	773	13.82	191.1
12/03/13 8:00- 8:50	897	850	5.24	27.45
18/03/13 8:00-11:00	897	880	1.9	3.59
19/03/13 10:00-11:00	897	873	2.73	7.46
25/03/13 10:00-11:00	897	840	6.35	40.38
26/03/13 10:00-13:00	897	855	4.68	21.92
28/03/13 10:30-11:30	897	928	3.29	10.81
03/04/13 10:00 - 12:00	897	958	6.32	39.92
9/04/13 13:00 - 15:00	897	828	7.75	60.03
16/04/13 13:20- 15:00	897	865	3.57	12.73
23/04/13 10:00- 15:00	897	895	0.22	0.05
29/04/13 11:00-12:00	897	895	0.22	0.05
06/05/13 14:40 - 15:30	897	920	2.5	6.25
07/05/13 10:10 - 10:55	897	896	0.11	0.01
14/05/13 10:10- 11:30	897	886	1.23	1.5
20/05/13 11:45- 15:30	897	897	0	0
22/05/13 10:20-11:40	897	895	0.22	0.05
28/05/13 10:20-11:41	897	906	0.99	0.99
04/06/13 13:15 - 13:50	897	885	1.34	1.79
11/06/13 10:50 - 11:30	897	893	0.5	0.25
14/06/13 11:00- 12:00	897	850	5.24	27.45

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17/06/13 10:10- 11:10	897	923	2.76	7.64
20/06/13 13:40-14:30	897	953	5.83	33.95
26/06/13 14:00-15:00	897	918	2.23	4.99
01/07/13 10:20 - 11:30	897	905	0.88	0.78
03/07/13 9:10 - 10:00	897	902	0.55	0.31
08/07/13 10:00 - 12:30	897	915	1.97	3.87
17/07/13 11:00- 12:30	897	878	2.17	4.73
18/07/13 Onwards	Nil	Nil	Nil	Nil

FURNACE SHUTDOWN ON 18/7/2013.

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