

11 February 2013

EPL 854:

<http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31074&SYSUID=1&LICID=12555>

 Data for Emission testing 20th to 23rd November 2012

 Date results received 31st January 2013

Quarterly Test Round

Discharge Point 2; 3MW Boiler

Pollutant	Unit of measure	Mean of sample	Limit Conditions
Temperature	°C	202	na
Nitrogen Oxides	mg/m3	86.7	350
Volatile organic compounds	mg/m3	1.58	10
Oxygen	%	11.9	na
Velocity	m/s	2.88	na
Dry gas density	kg/m3	1.28	na
Molecular weight of stack gases	g/g-mol	28.6	na
Volumetric flowrate	m3/s	0.480	na
Moisture	%	13.2	na
Solid particles	mg/m3	1.32	10

Discharge Point 3; 0.2MW Boiler

Pollutant	Unit of measure	Mean of sample	Limit Conditions
Temperature	°C	250	na
Nitrogen Oxides	mg/m3	87.0	350
Volatile organic compounds	mg/m3	5.79	10
Oxygen	%	9.73	na
Velocity	m/s	10.0	na
Dry gas density	kg/m3	1.27	na
Molecular weight of stack gases	g/g-mol	28.5	na
Volumetric flowrate	m3/s	0.304	na
Moisture	%	12.1	na
Solid particles	mg/m3	1.90	10

Discharge Point 5; Light End Scrubber

Pollutant	Unit of measure	Mean of sample	Limit Conditions
Temperature	°C	18.95	na
Volatile organic compounds	mg/m3	1.631	20
PAHs	mg/m3	0.00000442	na
Velocity	m/s	7.94	na
Dry gas density	kg/m3	1.29	na
Molecular weight of stack gases	g/g-mol	28.80	na
Volumetric flowrate	m3/s	0.226	na
Moisture	%	3.06	na
Odour	OU	256	na
Solid particles	mg/m3	0.63	na

Discharge Point 19; Fired Heater

Pollutant	Unit of measure	Mean of sample	Limit Conditions
Temperature	oC	102	na
Nitrogen Oxides	mg/m3	135	350
Volatile organic compounds	mg/m3	1.70	10
Hydrogen sulphide	mg/m3	1.78	5
Oxygen	%	8.24	na
Velocity	m/s	5.36	na
Dry gas density	kg/m3	1.26	na
Sulphuric acid mist and sulphur trioxide (as SO3 equivalent)	mg/m3	11.6	100
Odour	OU	2660	na
Molecular weight of stack gases	g/g-mol	28.2	na
Volumetric flowrate	m3/s	0.383	na
Moisture	%	22.7	na
Carbon monoxide	mg/m3	33.6	na
Solid particles	mg/m3	46.1	50
Sulphur dioxide	mg/m3	5.50	1360
Formaldehyde	mg/m3	0.0953	na

Discharge Point 20; Reformer

Pollutant	Unit of measure	Mean of sample	Limit Conditions
Temperature	oC	799.3	na
Nitrogen Oxides	mg/m3	107	350
Volatile organic compounds	mg/m3	3.15	10
Hydrogen sulphide	mg/m3	< 1.96	na
Oxygen	%	3.12	na
Velocity	m/s	11.78	na
Dry gas density	kg/m3	1.34	na
Odour	OU	2900	na
Molecular weight of stack gases	g/g-mol	30.10	na
Volumetric flowrate	m3/s	0.215	na
Moisture	%	21.2	na
Carbon monoxide	mg/m3	1.65	na
Solid particles	mg/m3	1.67	10

