



Licensee: **Koppers Carbon Materials & Chemicals Pty Ltd**

Address: **Woodstock Street Mayfield NSW 2304**

EPL No.: **2156**

Date Results Obtained: **07/08/2014**

Frequency of Monitoring as Required by Licence: **Six Monthly**

		Pollutant	Measurement	Limits	Units	Exceedance
Point	1					
Description	Discharge stack from fume scrubber indicated as T-111H	Hydrogen Sulphide	<1.9	5	mg/m ³	
Point	2					
Description	Discharge stack from fume scrubber indicated as T-311H	Hydrogen Sulphide	Redundant	5	mg/m ³	
Point	3					
Description	Discharge stack from fume scrubber indicated as T-414H	Hydrogen Sulphide	<1.8	5	mg/m ³	
Point	4					
Description	Discharge stack from fume scrubber indicated as T-518H	Hydrogen Sulphide	<1.9	5	mg/m ³	
Point	5					
Description	Discharge stack from fume scrubber indicated as T-711H	Hydrogen Sulphide	<1.9	5	mg/m ³	
Point	8					
Description	Discharge stack from fume scrubber indicated as T-611H	Hydrogen Sulphide	<1.9	5	mg/m ³	

		Pollutant	Measurement	Limits	Units	Exceedance
Point	9a	Total Oxides of Nitrogen	1294	2500	mg/m ³	
Description	Discharge stack from Boiler number 1	Sulphur Dioxide	160	N/A	mg/m ³	
		Sulphur Trioxide	42	100	mg/m ³	
		Total Solid Particles	14	100	mg/m ³	
Point	9b	Total Oxides of Nitrogen	240	2500	mg/m ³	
Description	Discharge stack from Boiler number 2	Sulphur Dioxide	<14	N/A	mg/m ³	
		Sulphur Trioxide	<4.2	100	mg/m ³	
		Total Solid Particles	3.6	100	mg/m ³	
Point	10	Total Oxides of Nitrogen	1193	2000	mg/m ³	
Description	Discharge stack from Creosote Tubeheater indicated as E116	Sulphur Dioxide	130	N/A	mg/m ³	
		Sulphur Trioxide	120	100	mg/m ³	Y
		Total Solid Particles	<1.2	100	mg/m ³	
Point	11	Total Oxides of Nitrogen	155	2000	mg/m ³	
Description	Discharge stack from Tar Tubeheater indicated as E106	Sulphur Dioxide	<15	N/A	mg/m ³	
		Sulphur Trioxide	<38	100	mg/m ³	
		Total Solid Particles	16	100	mg/m ³	

		Pollutant	Measurement	Limits	Units	Exceedance
Point	12	Total Oxides of Nitrogen	260	2000	mg/m ³	
Description	Discharge stack from Naphthalene Tubeheater indicated as E309	Sulphur Dioxide	35	N/A	mg/m ³	
		Sulphur Trioxide	<55	100	mg/m ³	
		Total Solid Particles	6.1	100	mg/m ³	
Point	13	Total Oxides of Nitrogen	150	2000	mg/m ³	
Description	Discharge stack from Number 2 heater indicated as Stack No.2	Sulphur Dioxide	<10	N/A	mg/m ³	
		Sulphur Trioxide	<2.8	100	mg/m ³	
		Total Solid Particles	1.0	100	mg/m ³	
Point	14	Not in service	N/A			
Description	Discharge stack from Number 3 heater indicated as Stack No.3					
Point	15	Total Oxides of Nitrogen	133	2000	mg/m ³	
Description	Discharge stack from Booster Pumping Station indicated as Stack No.1	Sulphur Dioxide	<8.4	N/A	mg/m ³	
		Sulphur Trioxide	<12	100	mg/m ³	
		Total Solid Particles	1.8	100	mg/m ³	

Exceedance

Point 10 (Discharge from Creosote Tubeheater) Sulphur Trioxide measured at 120 mg/m³ with a limit of 100 mg/m³. This Tubeheater takes fume from the Naphthalene tank farm. The high incidence of Sulphur Trioxide is possibly the result of the combustion of an abnormal level of Hydrogen Sulphide which was extracted by the fume system. As this is the first exceedance of the Sulphur Trioxide limit observed in the Creosote Tubeheater Koppers will assess the results of subsequent monitoring of Sulphur Trioxide for trends.

Link to Environmental Protection Licence

<http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33377&SYSUID=1&LICID=2156>