



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

Address: **Woodstock Street Mayfield NSW 2304**

EPL No.: **2156**

Date Results Obtained: **7/08/2012**

Monitoring Frequency as Required by Licence: **Yearly**

		Pollutant	Measurement	Limits	Units	Exceedance
Point	1					
Description	Discharge stack from fume scrubber indicated as T-111H	Hydrogen Sulphide	<1.6	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	<1.6	5	mg/m ³	
Point	4					
Description	Discharge stack from fume scrubber indicated as T-518H	Hydrogen Sulphide	<1.6	5	mg/m ³	
Point	5					
Description	Discharge stack from fume scrubber indicated as T-711H	Hydrogen Sulphide	<1.6	5	mg/m ³	
Point	8					
Description	Discharge stack from fume scrubber indicated as T-611H	Hydrogen Sulphide	<1.6	5	mg/m ³	

		Pollutant	Measurement	Limits	Units	Exceedance
Point	9a	Total Oxides of Nitrogen	836	2500	mg/m ³	
Description	Discharge stack from Boiler number 1	Sulphur Dioxide	540	2800	mg/m ³	
		Sulphur Trioxide	16	100	mg/m ³	
		Total Solid Particles	6.1	100	mg/m ³	
Point	9b	Total Oxides of Nitrogen	57	2500	mg/m ³	
Description	Discharge stack from Boiler number 2	Sulphur Dioxide	<13	2800	mg/m ³	
		Sulphur Trioxide	<2.5	100	mg/m ³	
		Total Solid Particles	0.99	100	mg/m ³	
Point	10	Total Oxides of Nitrogen	110	2000	mg/m ³	
Description	Discharge stack from Creosote Tubeheater indicated as E116	Sulphur Dioxide	530	2800	mg/m ³	
		Sulphur Trioxide	20	100	mg/m ³	
		Total Solid Particles	7.2	100	mg/m ³	
Point	11	Total Oxides of Nitrogen	43	2000	mg/m ³	
Description	Discharge stack from Tar Tubeheater indicated as E106	Sulphur Dioxide	<18	2800	mg/m ³	
		Sulphur Trioxide	22	100	mg/m ³	
		Total Solid Particles	1.3	100	mg/m ³	

		Pollutant	Measurement	Limits	Units	Exceedance
Point	12	Total Oxides of Nitrogen	122	2000	mg/m ³	
Description	Discharge stack from Naphthalene Tubeheater indicated as E309	Sulphur Dioxide	140	2800	mg/m ³	
		Sulphur Trioxide	210	100	mg/m ³	Y
		Total Solid Particles	1.9	100	mg/m ³	
Point	13	Total Oxides of Nitrogen	145	2000	mg/m ³	
Description	Discharge stack from Number 2 heater indicated as Stack No.2	Sulphur Dioxide	<14	2800	mg/m ³	
		Sulphur Trioxide	<2.9	100	mg/m ³	
		Total Solid Particles	3.2	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	119	2000	mg/m ³	
Description	Discharge stack from Booster Pumping Station indicated as Stack No.1	Sulphur Dioxide	<1.4	2800	mg/m ³	
		Sulphur Trioxide	2.8	100	mg/m ³	
		Total Solid Particles	1.8	100	mg/m ³	

Exceedance

Point 12 (Discharge from Naphthalene Tubeheater) Sulphur Trioxide measured at 210 mg/m³ with a limit of 100 mg/m³. This Tubeheater takes fume from the Tar and Naphthalene plants and also contains fume from the Steam Stripper. 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 systems. As this is the first exceedance of the Sulphur Trioxide limit observed Koppers will assess the results of subsequent monitoring of Sulphur Trioxide for trends.

Link to Environmental Protection Licence

<http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30989&SYSUID=1&LICID=2156>