



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

Address: **Woodstock Street Mayfield NSW 2304**

EPL No.: **2156**

Date Results Obtained: **09/02/2022**

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

Parameter	Units	Frequency	EPL Point 8	EPL Point 9A	EPL Point 9B	EPL Point 10	EPL Point 11	EPL Point 12	EPL 13	EPL 15
Stack ID			611H	Boiler 1	Boiler 2	Creosote Reboiler	Tar Reboiler	Naphthalene Reboiler	HTF 2	HTF 1
Benzene	mg/m ³	3 months	82	N/A	N/A	0.0248	0.0172	0.0185	0.0724	N/A
Hydrogen Sulphide	mg/m ³	6 months	<1.47 (5)	N/A	N/A	<1.52	<1.94	<1.74	<1.74	N/A
Naphthalene	mg/m ³	3 months	1.72	N/A	N/A	0.00355	0.0025	0.00246	0.0392	N/A
Polycyclic Aromatic Hydrocarbons	mg/m ³	3 months	6.44	N/A	N/A	0.00477	0.00514	0.00477	0.076	N/A
Volatile Organic Compounds	mg/m ³	3 months	<146.9	N/A	N/A	<2.034	<1.43	<1.514	1.483	N/A
Volatile Organic Compounds as n-propane equivalent	mg/m ³	3 months	<76	N/A	N/A	<0.928	0.653	0.69	0.73	N/A
Temperature	°C	6 months	28.2	168	172	426	311	425	374	249
Velocity	m/s	6 months	2.74	4.56	5.37	14.6	9.6	11.9	7.64	3.81
Volumetric Flowrate	m ³ /sec	6 months	0.31	1.46	1.72	1.97	1.55	1.61	0.66	0.43

Parameter	Units	Frequency	EPL Point 9A	EPL Point 9B	EPL Point 12	EPL Point 13	EPL Point 15
Stack ID			Boiler 1	Boiler 2	Naphthalene Reboiler	HTF 2	HTF 1
Nitrogen Oxides	mg/m ³	6 months	129 (500)	132 (500)	913 (2000)	242 (2000)	121 (2000)
Sulphur Dioxide	mg/m ³	6 months	2.27	<1.25	737	11.8	1.82
Sulphur Trioxide	mg/m ³	6 months	1.74 (100)	<1.42 (100)	28.8 (100)	25 (100)	9 (100)
Total Solid Particles	mg/m ³	6 months	6.87 (100)	<2.94 (100)	59.1 (100)	<6.15 (100)	<2.58 (100)

Parameter	Units	Frequency	EPL Point 10	EPL Point 11
Stack ID			Creosote Reboiler	Tar Reboiler
Nitrogen Oxides	mg/m ³	6 months	860 (2000)	856 (2000)
Sulphur Dioxide	mg/m ³	3 months	321	306
Sulphur Trioxide	mg/m ³	3 months	10.9 (100)	11.3 (100)
Total Solid Particles	mg/m ³	6 months	50.3 (100)	37.8 (100)

Note: EPL Limits in Parenthesis

Comments

All results are within Environmental Protection Licence limits.

Link to Environmental Protection Licence

<https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=230904&SYSUID=1&LICID=2156>