



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

Address: **Woodstock Street Mayfield NSW 2304**

EPL No.: **2156**

Date Results Obtained: **22/01/2021**

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	46	N/A	N/A	<0.19	<0.18	<0.19	<0.2	N/A
Hydrogen Sulphide	mg/m ³	6 months	<1.8 (5)	N/A	N/A	<1.9	<1.9	<1.9	<2.0	N/A
Naphthalene	mg/m ³	3 months	5.9	N/A	N/A	0.0049	0.0029	0.0017	0.0042	N/A
Polycyclic Aromatic Hydrocarbons	mg/m ³	3 months	20	N/A	N/A	0.012	0.0061	0.081	0.020	N/A
Volatile Organic Compounds	mg/m ³	3 months	66	N/A	N/A	<0.37	<0.37	<0.37	<0.40	N/A
Volatile Organic Compounds as n-propane equivalent	mg/m ³	3 months	1.2	N/A	N/A	<0.15	<0.15	<0.15	<0.17	N/A
Temperature	°C	6 months	34	145	102	508	271	339	343	214
Velocity	m/s	6 months	1.8	3.7	1.7	15	4.8	9.2	4.3	3.5
Volumetric Flowrate	m ³ /sec	6 months	0.2	1.2	0.66	1.8	0.84	1.4	0.47	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	107 (500)	130 (500)	957 (2000)	277 (2000)	94 (2000)
Sulphur Dioxide	mg/m ³	6 months	<11	<15	190	26	<13
Sulphur Trioxide	mg/m ³	6 months	8.0 (100)	<5.8 (100)	44 (100)	24 (100)	49 (100)
Total Solid Particles	mg/m ³	6 months	5.7 (100)	3.3 (100)	54 (100)	3.0 (100)	0.94 (100)

Parameter	Units	Frequency	EPL Point 10	EPL Point 11
Stack ID			Creosote Reboiler	Tar Reboiler
Nitrogen Oxides	mg/m ³	6 months	989 (2000)	785 (2000)
PM ₁₀	mg/m ³	6 months	<0.96	4.6
PM _{2.5}	mg/m ³	6 months	<0.96	0.37
Sulphur Dioxide	mg/m ³	3 months	260	320
Sulphur Trioxide	mg/m ³	3 months	31 (100)	100 (100)
Total Solid Particles	mg/m ³	6 months	9.6 (100)	31 (100)

Note: EPL Limit 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=198346&SYSUID=1&LICID=2156>