



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

Address: **Woodstock Street Mayfield NSW 2304**

EPL No.: **2156**

Date Results Obtained: **22/06/2020**

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	450	N/A	N/A	<0.18	<0.18	<0.18	<0.2	N/A
Hydrogen Sulphide	mg/m ³	6 months	<1.8 (5)	N/A	N/A	<1.8	<1.8	<1.8	<2.1	N/A
Naphthalene	mg/m ³	3 months	9.3	N/A	N/A	0.0062	0.0090	0.0098	0.031	N/A
Polycyclic Aromatic Hydrocarbons	mg/m ³	3 months	42	N/A	N/A	0.022	0.022	0.022	0.062	N/A
Volatile Organic Compounds	mg/m ³	3 months	546	N/A	N/A	2.8	0.11	<0.36	<0.41	N/A
Volatile Organic Compounds as n-propane equivalent	mg/m ³	3 months	295	N/A	N/A	2.0	0.053	<0.15	<0.17	N/A
Temperature	°C	6 months	20	94	106	467	288	386	383	233
Velocity	m/s	6 months	1.5	2.6	3.7	14	4.7	9.8	5.4	3.8
Volumetric Flowrate	m ³ /sec	6 months	0.18	0.55	0.72	1.9	0.81	1.5	0.53	0.45

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	106 (500)	131 (500)	969 (2000)	162 (2000)	118 (2000)
Sulphur Dioxide	mg/m ³	6 months	<13	<11	430	<10	<13
Sulphur Trioxide	mg/m ³	6 months	<3.3 (100)	<3.4 (100)	24 (100)	9.8 (100)	3.1 (100)
Total Solid Particles	mg/m ³	6 months	8.4 (100)	18 (100)	18 (100)	2.7 (100)	3.4 (100)

Parameter	Units	Frequency	EPL Point 10	EPL Point 11
Stack ID			Creosote Reboiler	Tar Reboiler
Nitrogen Oxides	mg/m ³	6 months	875 (2000)	812 (2000)
PM ₁₀	mg/m ³	6 months	25.5	9.6
PM _{2.5}	mg/m ³	6 months	3.5	1.6
Sulphur Dioxide	mg/m ³	3 months	450	870
Sulphur Trioxide	mg/m ³	3 months	39 (100)	15 (100)
Total Solid Particles	mg/m ³	6 months	63 (100)	53 (100)

Note: EPL Limit in Parenthesis

Comments

All results are within Environmental Protection Licence limits.

Link to Environmental Protection Licence

<https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=187453&SYSUID=1&LICID=2156>