



Licensee: **Koppers Carbon Materials and Chemicals Pty Ltd**
 Address: **Woodstock Street, Mayfield North, NSW, 2304**
 EPL No.: **2156**
 Testing Round: **2024 Q4**
 Date Results Obtained: **10/09/2024**
 Frequency of Monitoring as Required by Licence: **Three and Six Monthly**

Parameter	Units	Frequency	EPL Point 9A	EPL Point 9B	EPL Point 10	EPL Point 11	EPL Point 12	EPL Point 13	EPL Point 15
Stack ID			Boiler 1	Boiler 2	Creosote Reboiler	Tar Reboiler	Naphthalene Reboiler	HTF 2	HTF 1
Benzene	mg/m ³	6 months	N/A	N/A	<0.036	<0.037	<0.036	<0.036	<0.035
Hydrogen Sulphide	mg/m ³	6 months	N/A	N/A	<1.8	<1.84	<1.81	<1.8	<1.82
Naphthalene	mg/m ³	6 months	N/A	N/A	0.0018	0.00229	0.00225	0.0109	0.0087
Polycyclic Aromatic Hydrocarbons	mg/m ³	6 months	N/A	N/A	0.0030	0.0033	0.0037	0.0150	0.0221
Volatile Organic Compounds	mg/m ³	6 months	N/A	N/A	1.548	1.629	1.575	1.503	1.5285
Volatile Organic Compounds as n-propane equivalent	mg/m ³	6 months	N/A	N/A	0.660	0.700	0.677	0.663	0.676
Temperature	°C	6 months	178	172	656	360	384	439	317
Velocity	m/s	6 months	Note 1	Note 2	12.30	8.46	8.34	7.12	4.9
Volumetric Flowrate	m ³ /s	6 months	4.22	4.20	1.21	1.25	1.18	0.658	0.51

Note 1: The stack tester's results of 13.6 m/s is significantly higher than normal. This is potentially erroneous and is under investigation.
 Note 2: The stack tester's results of 13.61 m/s is significantly higher than normal. This is potentially erroneous and is under investigation.

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	Note 3 (500)	Note 4 (500)	878 (2000)	244 (2000)	215 (2000)
Sulphur Dioxide	mg/m ³	6 months	2.56	<2.06	254	30.8	5.75
Sulphur Trioxide	mg/m ³	6 months	1.18 (100)	1.03 (100)	24.3 (100)	8.72 (100)	2.89 (100)
Total Solid Particles	mg/m ³	6 months	6.75 (100)	5.83 (100)	14 (100)	<2.45 (100)	<3.8 (100)

Note 3: The stack tester's result of 482 mg/m³ is significantly higher than normal. This is potentially erroneous and is under investigation.
 Note 4: The stack tester's result of 494 mg/m³ is significantly higher than normal. This is potentially erroneous and is under investigation.

Parameter	Units	Frequency	EPL Point 10	EPL Point 11
Stack ID			Creosote Reboiler	Tar Reboiler
Nitrogen Oxides	mg/m ³	6 months	750 (2000)	934 (2000)
Sulphur Dioxide	mg/m ³	3 months	274	568
Sulphur Trioxide	mg/m ³	3 months	11.4 (100)	25 (100)
Total Solid Particles	mg/m ³	6 months	<2.31 (100)	14.5 (100)

Note: EPL limits in Paranthesis.

Comments

All results are within Environmental Protection Licence limits.

Nitrogen Oxide results for EPL 10 and EPL 11 are under investigation.

Link to Environmental Protection Licence

<https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=246742&SYSUID=1&LICID=2156>