



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

Address: **Woodstock Street, Mayfield North, NSW, 2304**

EPL No.: **2156**

Testing Round: **2022 Q4**

Date Results Obtained: **24/08/2022**

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

Parameter	Units	Frequency	EPL Point 8	EPL Point 9A	EPL Point 9B	EPL Point 10	EPL Point 11	EPL Point 12	EPL Point 13	EPL Point 15
Stack ID			611H	Boiler 1	Boiler 2	Creosote Reboiler	Tar Reboiler	Naphthalene Reboiler	HTF 2	HTF 1
Benzene	mg/m ³	6 months	105	N/A	N/A	<0.0357	<0.0359	<0.0411	<0.0363	#N/A
Hydrogen Sulphide	mg/m ³	6 months	<0.321 (5)	N/A	N/A	1.82	1.81	<1.8	<1.85	#N/A
Naphthalene	mg/m ³	6 months	12.8	N/A	N/A	0.0398	0.0679	0.083	<0.0114	#N/A
Polycyclic Aromatic Hydrocarbons	mg/m ³	6 months	28.72	N/A	N/A	0.0518	0.0797	0.1035	0.0081	#N/A
Volatile Organic Compounds	mg/m ³	6 months	189.07	N/A	N/A	1.444	1.458	1.631	1.472	#N/A
Volatile Organic Compounds as n-propane equivalent	mg/m ³	6 months	97.68	N/A	N/A	0.657	0.664	0.743	0.670	#N/A
Temperature	°C	6 months	14	174	175	476	304	447	379	265
Velocity	m/s	6 months	3.86	2.31	8.82	13.70	6.51	11.7	5.8	6.25
Volumetric Flowrate	m ³ /s	6 months	0.46	0.74	2.83	1.73	1.05	1.53	0.54	0.69

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	128 (500)	99.1 (500)	911 (2000)	226 (2000)	185 (2000)
Sulphur Dioxide	mg/m ³	6 months	7.28	3.28	474	14.3	<1.24
Sulphur Trioxide	mg/m ³	6 months	2.33 (100)	<1.75 (100)	24.8 (100)	13.7 (100)	2.54 (100)
Total Solid Particles	mg/m ³	6 months	<4.66 (100)	<3.51 (100)	66.5 (100)	<3.69 (100)	<3.34 (100)

Parameter	Units	Frequency	EPL Point 10	EPL Point 11
Stack ID			Creosote Reboiler	Tar Reboiler
Nitrogen Oxides	mg/m ³	6 months	838 (2000)	160 (2000)
Sulphur Dioxide	mg/m ³	3 months	356	595
Sulphur Trioxide	mg/m ³	3 months	49.5 (100)	110 (100)
Total Solid Particles	mg/m ³	6 months	63.3 (100)	31.5 (100)

Note: EPL limits in Paranthesis.

Comments

One result (EPL point 11, Sulphur Trioxide) exceeds Environmental Protection Licence limits and the result is under investigation.

Link to Environmental Protection Licence

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