



Bluescope Steel (AIS) Pty Ltd
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BLUESCOPE STEEL (AIS) PTY. LTD.
Port Kembla Steelworks
Licence 6092

[Link to Environment Protection Licence EPL6092](#)

**SINTER MACHINE INTERIM
OPERATIONAL ARRANGEMENTS
AIR QUALITY DATA**

for

21 June to 24 June 2021

Stack Air Monitoring Requirements

EPL Condition E5.6





Point 151:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured	Min. Value	Mean Value	Max. Value	100 Percentile Limit	Exceedance (yes/no)
Carbon dioxide	percent	Weekly	4	6.8	7.1	7.4	-	
Dioxins & Furans	nanograms per cubic metre	Special Frequency 12	4	0.10	0.11	0.14	0.30	No
Dry Gas Density	kilograms per cubic metre	Daily during testing	4	1.33	1.33	1.34	-	
Flow	cubic metres per second	Daily during testing	4	213	228	248	-	
Hydrogen Chloride	milligrams per cubic metre	Weekly	1	36	36	36	-	
Hydrogen Fluoride	milligrams per cubic metre	Weekly	1	5	5	5	-	
Moisture content	percent	Daily during testing	4	12.5	13.8	14.3	-	
Molecular weight of stack gas	grams per gram mole	Daily during testing	4	29.8	29.9	29.9	-	
Nitrogen Oxides	milligrams per cubic metre	Weekly	4	390	397	409	2000	No
Oxygen	percent	Daily during testing	4	14.9	15.1	15.2	-	
Solid Particles	milligrams per cubic metre	Weekly	1	12	12	12	20	No

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured	Min. Value	Mean Value	Max. Value	100 Percentile Limit	Exceedance (yes/no)
Sulphuric acid mist and sulphur trioxide (SO ₃)	milligrams per cubic metre	Weekly	1	4.6	4.6	4.6	100	No
Sulphur dioxide	milligrams per cubic metre	Weekly	4	337	428	474	1000	No
Temperature	degrees Celsius	Daily during testing	4	161	164	165	-	
Velocity	metres per second	Daily during testing	4	22.7	24.3	25.8	-	
Volumetric flowrate	cubic metres per second	Daily during testing	4	213	228	248	-	
Type 1 Substances	milligrams per cubic metre	Weekly	1	0.14	0.14	0.14	-	
Type 2 Substances	milligrams per cubic metre	Weekly	1	0.075	0.075	0.075	-	

Note: **Special Frequency 12 means** "Daily at the commencement of the bypass and one sample every 2 days following confirmation that the first 3 daily sample results are less than the licence limit."

Type 1 Substance means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements.

Type 2 Substance means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements.



Point 151 (Continuous Process Monitoring):

Variable	Units of Measure	Monitoring frequency required by licence	No. of times measured	Min. Value	Mean Value	Max Value
Solid Particles (Indicative Only)	milligrams per cubic meter	Continuous	Continuous	3	11	16

Ambient Air Monitoring Requirements EPL Condition E5.9





BlueScope

Online monitoring data at Point 141 and 152 can be found at the follow link:

<https://piinthesky.gtsgroup.com.au/Bluescope>