

STACK MONITORING DATA

EPL 546



EPA Point 4 - Plant 1 – Horsley Park

Date			21/01/2021				
Analytes	Units	Limits					
Total Solid Particles (TSP)	mg/m ³	100	18				
Coarse Particulates	mg/m ³	N.A	1.6				
Fine Particulates (PM10)	mg/m ³	N.A	17				
Sulphur Oxides (SOX) SO ₂ +SO ₃	mg/m ³	N.A	181.3				
Nitrogen Oxides (NOX)	mg/m ³	2000	73				
Hydrogen Fluoride (HF)	mg/m ³	50	96				
Cadmium	mg/m ³	N.A	<0.0004				
Dry Gas Density	kg/m ³	N.A	1.3				
Fluorine	mg/m ³	N.A	91				
Hydrogen Chloride	mg/m ³	N.A	42				
Hydrogen Sulfide	µg/m ³	N.A	<0.01				
Mercury	mg/m ³	N.A	0.013				
Moisture	%	N.A	6.73				
Molecular weight of stack gases	g/g-mole	N.A	29.20				
Oxygen	%	N.A	16.1				
Sulfuric acid mist (SO ₃)	mg/m ³	N.A	1.3				
Sulphur dioxide (SO ₂)	mg/m ³	N.A	180				
temperature	degrees Celsius	N.A	205.33				
Type 1 Substances	mg/m ³	N.A	0.02				
Type 2 Substances	mg/m ³	N.A	0.032				
Velocity	m/sec	N.A	13.00				
Volatile Organic Compounds as n-propane equivalent	mg/m ³	N.A	1.5				
Volumetric Flow rates	m ³ /sec	N.A	13.67				

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EPA Point 5 - Plant 2 – Horsley Park



Site not in operation

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EPA Point 6 - Plant 3 – Horsley Park (Swindell)



Date			29/03/2021				
Analytes	Units	Limits					
Total Solid Particles (TSP)	mg/m ³	100	12				
Coarse Particulates	mg/m ³	N.A	6.1				
Fine Particulates (PM10)	mg/m ³	N.A	6				
Sulphur Oxides (SOX) SO ₂ +SO ₃	mg/m ³	N.A	15.81				
Nitrogen Oxides (NOX)	mg/m ³	2000	59				
Hydrogen Fluoride (HF)	mg/m ³	50	1.3				

STACK MONITORING DATA

EPL 546



EPA Point 7 - Plant 3 Horsley Park (Ceric)

Date			30/3/2021					
Analytes	Units	Limits						
Total Solid Particles (TSP)	mg/m ³	100	20					
Coarse Particulates	mg/m ³	N.A	15					
Fine Particulates (PM10)	mg/m ³	N.A	4.9					
Sulphur Oxides (SOX) SO2+SO3	mg/m ³	N.A	50.42					
Nitrogen Oxides (NOX)	mg/m ³	2000	84					
Hydrogen Fluoride (HF)	mg/m ³	50	1.8					
Cadmium	mg/m ³	N.A	0.0005					
Dry Gas Density	kg/m ³	N.A	1.31					
Fluorine	mg/m ³	N.A	1.7					
Hydrogen Chloride	mg/m ³	N.A	55					
Hydrogen Sulfide	µg/m ³	N.A	0.03					
Mercury	mg/m ³	N.A	0.012					
Moisture	%	N.A	8.00					
Molecular weight of stack gases	g/g-mole	N.A	29.30					
Oxygen	%	N.A	16					
Sulfuric acid mist (SO3)	mg/m ³	N.A	0.42					
Sulphur dioxide (SO2)	mg/m ³	N.A	50					
temperature	°Celcius	N.A	174.33					
Type 1 Substances	mg/m ³	N.A	0.023					
Type 2 Substances	mg/m ³	N.A	0.038					
Velocity	m/sec	N.A	9.33					
Volatile Organic Compounds as n-propane equivalent	mg/m ³	N.A	0.79					
Volumetric Flow rates	m ³ /sec	N.A	13.33					