

Licence # 6163

Full licence available at:

<http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOlicence.aspx?DOCID=38801&SYSUID=1&LICID=6163>

Tomago Aluminium Company Limited  
638 Tomago Road, Tomago NSW 2322

Monitoring Period: Nov 2018 - Oct 2019

EPA Monitoring Point	1	2	3	4	5	6	7	8	9	30
Descriptor	Line 1 West Stack	Line 1 East Stack	Line 2 West Stack	Line 2 East Stack	Anode Plant 1 Stack	Anode Plants 2&3 Stack	Line 3 West Stack	Line 3 East Stack	Line 1&2 Extension Stack	Total smelter emissions sum of point sources
<b>Total Solid Particles, mg/m3</b>	6.9	16	3.0	18	21	23	35	7.0	15	
Monitoring frequency requirement	Annually	Annually	Annually	Annually	Annually	Annually	Annually	Annually	Annually	
Date Tested	27/11/2018	31/07/2019	28/05/2019	31/01/2019	19/06/2019	17/06/2019	21/02/2019	27/02/2019	22/03/2019	
Date Results Available	28/11/2018	1/08/2019	3/06/2019	1/02/2019	5/08/2019	5/08/2019	13/03/2019	28/02/2019	25/03/2019	
Date Published	12/12/2018	13/08/2019	11/06/2019	14/03/2019	16/08/2019	16/08/2019	14/03/2019	14/03/2019	9/05/2019	
Licence Limit, mg/m3	50	50	50	50	50	50	50	50	50	
Exceedance?	No	No	No	No	No	No	No	No	No	
<b>Nitrogen Oxides, g/m3</b>					0.10	0.12				
Monitoring frequency requirement					Annually	Annually				
Date Tested					20/06/2019	18/06/2019				
Date Results Available					5/08/2019	5/08/2019				
Date Published					16/08/2019	16/08/2019				
Licence Limit, mg/m3					2.0	2.0				
Exceedance?					No	No				
<b>Total PAH's, mg/m3</b>					0.081	0.05				
Monitoring frequency requirement					Annually	Annually				
Date Tested					20/06/2019	18/06/2019				
Date Results Available					5/08/2019	5/08/2019				
Date Published					16/08/2019	16/08/2019				
<b>Fluoride, kg F / t Al</b>										0.48
Monitoring frequency requirement										Calculation at End of Licence Year
Date Results Available										31/10/2019
Date Published										12/11/2019
Licence Limit, mg/m3										0.56**
Exceedance?										No

Notes:

There are no applicable licence limits for Total PAH's

mg/m3 = milligrams per cubic metre

g/m3 = grams per cubic metre

kg F / t Al = kilograms fluoride per tonne aluminium produced

\*\*This limit may be exceeded to a maximum of 0.6 one year out of every five

Comments on exceedances: \_\_\_\_\_

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Monitoring Period:

Nov 2018 - Oct 2019

EPA Monitoring Point	31	32	33	34
Descriptor	No.1 Paste Plant, Pitch Circuit Stack	No.1 Paste Plant, Proportioning Circuit Stack	No.2 Paste Plant, Pitch Circuit Stack	No.2 Paste Plant, Proportioning Circuit Stack
<b>Total Solid Particles, mg/m3</b>	2.1	7.7	2.2	5.8
Monitoring frequency requirement	Annually	Annually	Annually	Annually
Date Tested	3/10/2019	9/05/2019	1/08/2019	8/05/2019
Date Results Available	30/10/2019	30/10/2019	30/10/2019	30/10/2019
Date Published	12/11/2019	12/11/2019	12/11/2019	12/11/2019
Licence Limit, mg/m3	50	50	50	50
Exceedance?	No	No	No	No
<b>Total PAH's, mg/m3</b>	11	0.36	2.0	0.46
Monitoring frequency requirement	Annually	Annually	Annually	Annually
Date Tested	3/10/2019	9/05/2019	1/08/2019	8/05/2019
Date Results Available	30/10/2019	30/10/2019	30/10/2019	30/10/2019
Date Published	12/11/2019	12/11/2019	12/11/2019	12/11/2019
Licence Limit, mg/m3	2.0	2.0	2.0	2.0
Exceedance?	Yes	No	No	No
<b>Benzo(a)pyrene, mg/m3</b>	<0.000021	0.00027	0.00011	0.0002
Monitoring frequency requirement	Annually	Annually	Annually	Annually
Date Tested	3/10/2019	9/05/2019	1/08/2019	8/05/2019
Date Results Available	30/10/2019	30/10/2019	30/10/2019	30/10/2019
Date Published	12/11/2019	12/11/2019	12/11/2019	12/11/2019
Licence Limit, mg/m3	0.05	0.05	0.05	0.05
Exceedance?	NYA	No	No	No

Notes:

mg/m3 = milligrams per cubic metre

NYA = Not Yet Available

Comments on exceedances: Investigation plan in place in conjunction with modelling of these emissions

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Monitoring Period:

Nov 2019 - Oct 2019

EPA Monitoring Point	38	
Descriptor	Deline/Regain Spent Potliner Dust Filter	
	<b>Total Solid Particles, mg/m3</b>	<b>Fine Particulates, mg/m3</b>
	1.0	0.50
Monitoring frequency requirement	Annually	Annually
Date Tested	5/02/2019	5/02/2019
Date Results Available	12/02/2019	12/02/2019
Date Published	14/03/2019	14/03/2019
Licence Limit, mg/m3	20	10
Exceedance?	No	No

Notes:

mg/m3 = milligrams per cubic metre

NYA = Not Yet Available

Comments on exceedances: \_\_\_\_\_