

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 2015 - Oct 2016

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>	22	4.6	13	7.3	2.3	8.7	15	7.2	2.0	
Monitoring frequency requirement	Annually	Annually	Annually	Annually	Annually	Annually	Annually	Annually	Annually	
Date Tested	24/02/2016	22/02/2016	19/08/2016	29/01/2016	11/02/2016	8/02/2016	22/04/2016	5/07/2016	29/08/2016	
Date Results Available	25/02/2016	5/04/2016	22/08/2016	1/02/2016	3/03/2016	3/03/2016	26/04/2016	7/07/2016	29/08/2016	
Date Published	10/03/2016	8/04/2016	7/09/2016	10/02/2016	10/03/2016	10/03/2016	10/06/2016	13/07/2016	7/09/2016	
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>					0.12	0.12				
Monitoring frequency requirement					Annually	Annually				
Date Tested					10/02/2016	8/02/2016				
Date Results Available					3/03/2016	3/03/2016				
Date Published					10/03/2016	10/03/2016				
Licence Limit, mg/m3					2.0	2.0				
Exceedance?					No	No				
<b>Total PAH's, mg/m3</b>					0.16	0.11				
Monitoring frequency requirement					Annually	Annually				
Date Tested					11/02/2016	9/02/2016				
Date Results Available					3/03/2016	3/03/2016				
Date Published					10/03/2016	10/03/2016				
<b>Fluoride, kg F / t Al</b>										0.41
Monitoring frequency requirement										Calculation at End of Licence Year
Date Results Available										31/10/2016
Date Published										10/11/2016
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 2015 - Oct 2016

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>	27	34	9.7	9.3
Monitoring frequency requirement	Annually	Annually	Annually	Annually
Date Tested	11/05/2016	11/05/2016	6/05/2016	6/05/2016
Date Results Available	7/06/2016	7/06/2016	7/06/2016	7/06/2016
Date Published	10/06/2016	10/06/2016	10/06/2016	10/06/2016
Licence Limit, mg/m3	50	50	50	50
Exceedance?	No	No	No	No
<b>Total PAH's, mg/m3</b>	0.76	0.017	0.016	0.035
Monitoring frequency requirement	Annually	Annually	Annually	Annually
Date Tested	11/05/2016	11/05/2016	6/05/2016	6/05/2016
Date Results Available	7/06/2016	7/06/2016	7/06/2016	7/06/2016
Date Published	10/06/2016	10/06/2016	10/06/2016	10/06/2016
Licence Limit, mg/m3	2.0	2.0	2.0	2.0
Exceedance?	No	No	No	No
<b>Benzo(a)pyrene, mg/m3</b>	0.000069	0.000094	0.000064	0.000059
Monitoring frequency requirement	Annually	Annually	Annually	Annually
Date Tested	11/05/2016	11/05/2016	6/05/2016	6/05/2016
Date Results Available	7/06/2016	7/06/2016	7/06/2016	7/06/2016
Date Published	10/06/2016	10/06/2016	10/06/2016	10/06/2016
Licence Limit, mg/m3	0.05	0.05	0.05	0.05
Exceedance?	No	No	No	No

Notes:

mg/m3 = milligrams per cubic metre

NYA = Not Yet Available

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

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Monitoring Period:

Nov 2015 - Oct 2016

EPA Monitoring Point	38	
Descriptor	Deline/Regain Spent Potliner Dust Filter	
	<b>Total Solid Particles, mg/m3</b>	<b>Fine Particulates, mg/m3</b>
	0.71	0.44
Monitoring frequency requirement	Annually	Annually
Date Tested	16/02/2016	16/02/2016
Date Results Available	23/02/2016	23/02/2016
Date Published	10/03/2016	10/03/2016
Licence Limit, mg/m3	20	10
Exceedance?	No	No

Notes:

mg/m3 = milligrams per cubic metre

NYA = Not Yet Available

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