

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 2019 - Oct 2020

| 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 |
| Total Solid Particles, mg/m3 | NYA | NYA | NYA | NYA | NYA | NYA | 18 | NYA | NYA | |
| Monitoring frequency requirement | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | |
| Date Tested | NYA | NYA | NYA | NYA | NYA | NYA | 29/11/2019 | NYA | NYA | |
| Date Results Available | NYA | NYA | NYA | NYA | NYA | NYA | 2/12/2019 | NYA | NYA | |
| Date Published | | | | | | | 12/12/2019 | | | |
| Licence Limit, mg/m3 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | |
| Exceedance? | NYA | NYA | NYA | NYA | NYA | NYA | No | NYA | NYA | |
| Nitrogen Oxides, g/m3 | | | | | NYA | NYA | | | | |
| Monitoring frequency requirement | | | | | Annually | Annually | | | | |
| Date Tested | | | | | NYA | NYA | | | | |
| Date Results Available | | | | | NYA | NYA | | | | |
| Date Published | | | | | | | | | | |
| Licence Limit, mg/m3 | | | | | 2.0 | 2.0 | | | | |
| Exceedance? | | | | | NYA | NYA | | | | |
| Total PAH's, mg/m3 | | | | | NYA | NYA | | | | |
| Monitoring frequency requirement | | | | | Annually | Annually | | | | |
| Date Tested | | | | | NYA | NYA | | | | |
| Date Results Available | | | | | NYA | NYA | | | | |
| Date Published | | | | | | | | | | |
| Fluoride, kg F / t Al | | | | | | | | | | Calculation at End of Licence Year |
| Monitoring frequency requirement | | | | | | | | | | |
| Date Results Available | | | | | | | | | | |
| Date Published | | | | | | | | | | |
| Licence Limit, mg/m3 | | | | | | | | | | 0.56** |
| Exceedance? | | | | | | | | | | NYA |

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 2019 - Oct 2020

| 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 |
| Total Solid Particles, mg/m3 | NYA | NYA | NYA | NYA |
| Monitoring frequency requirement | Annually | Annually | Annually | Annually |
| Date Tested | NYA | NYA | NYA | NYA |
| Date Results Available | NYA | NYA | NYA | NYA |
| Date Published | | | | |
| Licence Limit, mg/m3 | 50 | 50 | 50 | 50 |
| Exceedance? | NYA | NYA | NYA | NYA |
| Total PAH's, mg/m3 | NYA | NYA | NYA | NYA |
| Monitoring frequency requirement | Annually | Annually | Annually | Annually |
| Date Tested | NYA | NYA | NYA | NYA |
| Date Results Available | NYA | NYA | NYA | NYA |
| Date Published | | | | |
| Licence Limit, mg/m3 | 2.0 | 2.0 | 2.0 | 2.0 |
| Exceedance? | NYA | NYA | NYA | NYA |
| Benzo(a)pyrene, mg/m3 | NYA | NYA | NYA | NYA |
| Monitoring frequency requirement | Annually | Annually | Annually | Annually |
| Date Tested | NYA | NYA | NYA | NYA |
| Date Results Available | NYA | NYA | NYA | NYA |
| Date Published | | | | |
| Licence Limit, mg/m3 | 0.05 | 0.05 | 0.05 | 0.05 |
| Exceedance? | NYA | NYA | NYA | NYA |

Notes:

mg/m3 = milligrams per cubic metre

NYA = Not Yet Available

Comments on exceedances:

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| | | |
|----------------------------------|--|---------------------------------|
| EPA Monitoring Point | 38 | |
| Descriptor | Deline/Regain Spent Potliner Dust Filter | |
| | Total Solid Particles, mg/m3 | Fine Particulates, mg/m3 |
| | NYA | NYA |
| Monitoring frequency requirement | Annually | Annually |
| Date Tested | NYA | NYA |
| Date Results Available | NYA | NYA |
| Date Published | | |
| Licence Limit, mg/m3 | 20 | 10 |
| Exceedance? | NYA | NYA |

Notes:

mg/m3 = milligrams per cubic metre

NYA = Not Yet Available

Comments on exceedances: _____