

Licence # 6163

Full licence available at:

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

Tomago Aluminium Company Limited

638 Tomago Road, Tomago NSW 2322

Monitoring Period: May-25

Date Published: 13/06/2025

| EPA Monitoring Point | Descriptor               | Gaseous Fluoride, mg/m3, monthly average | Gaseous Fluoride, mg/m3, minimum daily value | Gaseous Fluoride, mg/m3, maximum daily value | Monitoring frequency requirement | Total Fluoride, kg F / t Al | Monitoring frequency requirement | Sulfur Dioxide, mg/m3 | Monitoring frequency requirement |
|----------------------|--------------------------|------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------|-----------------------------|----------------------------------|-----------------------|----------------------------------|
| 1                    | Line 1 West Stack        | 0.4                                      | 0.2                                          | 0.7                                          | continuous                       | 0.04                        | twice per quarter                | 204                   | Quarterly                        |
| 2                    | Line 1 East Stack        | 0.4                                      | 0.3                                          | 0.7                                          | continuous                       | NMR                         | twice per quarter                | NMR                   | Quarterly                        |
| 3                    | Line 2 West Stack        | 0.5                                      | 0.3                                          | 1.2                                          | continuous                       | 0.06                        | twice per quarter                | 232                   | Quarterly                        |
| 4                    | Line 2 East Stack        | 0.4                                      | 0.3                                          | 0.7                                          | continuous                       | NMR                         | twice per quarter                | NMR                   | Quarterly                        |
| 5                    | Anode Plant 1 Stack      | 0.4                                      | 0.3                                          | 0.7                                          | continuous                       | 0.002                       | twice per quarter                | 597                   | Yearly                           |
| 6                    | Anode Plants 2&3 Stack   | 0.4                                      | 0.2                                          | 2.7                                          | continuous                       | NMR                         | twice per quarter                | NMR                   | Yearly                           |
| 7                    | Line 3 West Stack        | 0.5                                      | 0.2                                          | 0.6                                          | continuous                       | 0.06                        | twice per quarter                | NMR                   | Quarterly                        |
| 8                    | Line 3 East Stack        | 0.6                                      | 0.2                                          | 5.1                                          | continuous                       | 0.05                        | twice per quarter                | NMR                   | Quarterly                        |
| 9                    | Line 1&2 Extension Stack | 0.4                                      | 0.1                                          | 1.1                                          | continuous                       | 0.05                        | twice per quarter                | NMR                   | Quarterly                        |

Notes:

There are no applicable licence limits for the above monitoring points

mg/m3 = milligrams per cubic metre

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

NMR = No monitoring requirement

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| EPA Monitoring Point | Descriptor                                   | Total Fluoride, kg F / t Al | Monitoring frequency requirement | Licence Limit | Exceedance? |
|----------------------|----------------------------------------------|-----------------------------|----------------------------------|---------------|-------------|
| 10                   | Potroom A Roof Vent                          | 0.48                        | Monthly                          | NA            |             |
| 11                   | Potroom B Roof Vent                          | 0.79                        | Monthly                          | NA            |             |
| 12                   | Potroom C Roof Vent                          | 0.45                        | Monthly                          | NA            |             |
| 13                   | Potroom D Roof Vent                          | 0.57                        | Monthly                          | NA            |             |
| 14                   | Potroom E Roof Vent                          | 0.36                        | Monthly                          | NA            |             |
| 15                   | Potroom F Roof Vent                          | 0.38                        | Monthly                          | NA            |             |
| 30                   | Total smelter emissions sum of point sources | 0.56                        | Monthly                          | 0.8           | No          |

Notes:

NA = No Applicable Licence Limit

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

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

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### EPA Monitoring Point 16

The point of controlled discharge to the Hunter River from the stormwater pond

| Pollutant              | Units of measure | Monitoring frequency requirement | No. of times measured during month | Mean value | Maximum value | Licence Limit | Exceedance? |
|------------------------|------------------|----------------------------------|------------------------------------|------------|---------------|---------------|-------------|
| Conductivity           | uS/cm            | Daily during discharge           | 9                                  | 192        |               | NA            |             |
| Fluoride               | mg/L             | Daily during discharge           | 9                                  | 28         | 33            | 40            | No          |
| pH                     | pH               | Daily during discharge           | 9                                  | 6.7        | 6.8           | 6.5-8.5       | No          |
| Total Suspended Solids | mg/L             | Daily during discharge           | 9                                  | 16         | 25            | 50            | No          |
| PAH                    | mg/L             | Each overflow event              | 3                                  | <0.001     | <0.001        | NA            |             |
| TRH                    | mg/L             | Each overflow event              | 3                                  | <0.1       | <0.1          | NA            |             |
| Volume                 | kL/day           | Daily during discharge           | 9                                  | 1730       | 3759          | 4320**        | No          |

Notes:

uS/cm = microsiemens per centimetre

mg/L = milligrams per litre

NMR = No monitoring requirement

NA = No Applicable Licence Limit

kL/day = kilolitres per day

\*\*This limit may be exceeded under wet weather conditions

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

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### EPA Monitoring Point 17

Discharge to utilisation area

| Pollutant              | Units of measure | Monitoring frequency requirement | No. of times measured during month | Mean value | Maximum value | Licence Limit | Exceedance? |
|------------------------|------------------|----------------------------------|------------------------------------|------------|---------------|---------------|-------------|
| BOD                    | mg/L             | Quarterly                        | 1                                  | <2         |               | NA            |             |
| Fluoride               | mg/L             | Weekly                           | 4                                  | 2.9        |               | NA            |             |
| pH                     | pH               | Weekly                           | 4                                  | 6.9        |               | NA            |             |
| Total Suspended Solids | mg/L             | Quarterly                        | 1                                  | 5          |               | NA            |             |
| Volume                 | mm/week          | weekly                           | 4                                  | 30         | 33            | 30            | Yes         |

Notes:

NA = No Applicable Licence Limit

mm/week = millimetres per week

NMR = No monitoring requirement

BOD = Biochemical Oxygen Demand

Comments on exceedances: Exceedence of irrigated water volume due to heavy rainfall and flooding in May 2025.

Monitoring Period: May-25  
Date Published: 13/06/2025

### EPA Monitoring Point 35

Stormwater overflow

| Pollutant | Units of measure | Monitoring frequency requirement | No. of days of overflow during month | Mean value |
|-----------|------------------|----------------------------------|--------------------------------------|------------|
| Fluoride  | mg/L             | Each overflow event              | 29                                   | 23         |
| pH        | pH               | Each overflow event              |                                      | 6.3        |
| PAH       | mg/L             | Each overflow event              |                                      | 0.004      |
| TRH       | mg/L             | Each overflow event              |                                      | <0.1       |
| Volume    | kL/day           | Continuous during discharge      |                                      | 13341      |

#### Notes:

There are no applicable licence limits for the above monitoring point

Fluoride value is a volume weighted average.

mg/L = milligrams per litre

kL/day = kilolitres per day

NMR = No Monitoring Requirement