



Wye Roof Tiles

Environmental Monitoring

1 November 2013- 31 October 2014
Reporting Period

Date Published:



Wyee Roof Tiles Environmental Monitoring Report

This monitoring report is to satisfy the requirements of Section 66 (6) of the Protection of the Environment and Operations Act 1997, to make available, within 14 days of request, any monitoring data that relates to pollution under an Environment Protection Licence.

The monitoring of pollutants provided in this report is undertaken as per the requirements of Environment Protection Licence 2702 (EPL 2702 – Boral Wyee Roof Tiles).

This report provides environmental monitoring data for Wyee Roof Tiles for the 1 November 2013 – 31 October 2014 reporting period. This report is reviewed monthly during the reporting period and updated if required.

| Wyee Roof Tiles Information | |
|-----------------------------|---|
| Premise Details | Boral – Wyee Roof Tiles |
| Address | 288 Tooheys Road East, Bushells Road, Wyee NSW, 2259 |
| Licensee | Boral Montoro Pty Ltd |
| EPL N ^o | 2702 |
| EPL Location | http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=109773&SYSUID=1&LICID=2702 |

Monitoring data in this report relates to the monitoring undertaken during the annual reporting period for the following environmental pollutants:

- Water Quality
- Water Volume
- Air Quality

Wyee Roof Tiles Environmental Monitoring Report

EPL 2702 Monitoring Locations

Air

| EPA identification no. | Type of Monitoring Point | Type of Discharge Point | Location Description |
|------------------------|--------------------------|-------------------------|--|
| 4 | Kiln scrubber stack | Kiln scrubber stack | Kiln scrubber stack as shown on site drawing dated 23 August 1999 attached to LIF |
| 6 | | Drier stacks | Drier exhaust stacks as shown on site drawing dated 23 August 1999 attached to LIF |

Water and land

| EPA Identification no. | Type of Monitoring Point | Type of Discharge Point | Location Description |
|------------------------|---|---|--|
| 1 | | Discharge to land | Triangular bushland area in the north east corner of the premises bounded by the premises boundary to the north and east and by the loop road, title storage area and envirocycle dam to the west and south west |
| 2 | Effluent quality monitoring | | Envirocycle dam |
| 3 | Total volume monitoring | | Outlet of envirocycle dam |
| 7 | Discharge to waters Discharge quality monitoring | Discharge to waters Discharge quality monitoring | Outlet of pipe from flocculation basin, as shown on Figure 3.1 of the "Wyee Tile Plant Water Management Plan", prepared by ERM, dated January 2004. |

Water Monitoring

- 1) Water Quality Monitoring is conducted as per condition M2.3 and M2.4 of EPL 2702. The water quality results for the reporting period are tabled below.

POINT 2

| Pollutant | Units of measure | Frequency | Sampling Method |
|------------------------|----------------------|-----------|-----------------|
| BOD | milligrams per litre | Quarterly | Grab sample |
| pH | pH | Quarterly | Grab sample |
| Total suspended solids | milligrams per litre | Quarterly | Grab sample |

POINT 7

| Pollutant | Units of measure | Frequency | Sampling Method |
|------------------------|----------------------|---------------------|-----------------|
| pH | pH | Special Frequency 1 | Grab sample |
| Total suspended solids | milligrams per litre | Special Frequency 1 | Grab sample |

Wyee Roof Tiles Environmental Monitoring Report

Point 2

| Results | | | | |
|----------|-------------|------------|------|------------|
| Location | Report date | BOD (mg/L) | pH | TSS (mg/L) |
| 2 | 16/01/14 | <2 | 6.54 | <5 |
| 2 | 10/04/14 | <2 | 7.31 | <5 |
| 2 | 21/07/14 | <2 | 6.97 | 10 |
| 2 | 14/10/14 | <2 | 6.68 | <5 |

Point 7*

| Results | | | | | |
|----------|---------------|------------------|-------------------|---------------------------|------------------------------------|
| Location | Sampling Date | Results Received | pH (limit 6-8) | TSS (mg/L) Limit 50 | Oil & Grease (mg/L) Limit NA |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*Nil discharge via outlet pipe of flocculation basin as defined in EPL.

L4 Volume and mass limits

- L4.1 For each discharge point or utilisation area specified below (by a point number), the volume/mass of:
- liquids discharged to water; or;
 - solids or liquids applied to the area;
- must not exceed the volume/mass limit specified for that discharge point or area.

| Point | Unit of Measure | Volume/Mass Limit |
|-------|-----------------|-------------------|
| 1 | litres per day | 7500 |

This point relates to the irrigation (discharge to land) of envirocycle water within the approved area which currently is logged daily. The current capacity of the irrigation pumps cannot exceed the daily volume with the typical maximum when irrigating 4000L per day. Should day by day volumes be required please contact the site directly on (02) 4399 8668.

Wyee Roof Tiles Environmental Monitoring Report

Air Quality

- 1) Air Quality Monitoring is conducted as per condition M2.2 of EPL 2702. The air quality results for the reporting period are tabled below.

POINT 4

| Pollutant | Units of measure | Frequency | Sampling Method |
|-----------------------|----------------------------|-----------|-----------------|
| Fluoride | milligrams per cubic metre | Yearly | TM-9 |
| Nitrogen Oxides | grams per cubic metre | Yearly | TM-11 |
| Sulphur dioxide | milligrams per cubic metre | Yearly | TM-4 |
| Sulphur trioxide | milligrams per cubic metre | Yearly | TM-3 |
| Total Solid Particles | milligrams per cubic metre | Yearly | TM-15 |

Test date: 29/007/2014

| Pollutant | Concentration | |
|--------------------------|---------------|-------|
| | mg/Nm3 | Limit |
| Total Particulates | 0.81 | 250 |
| Fine Particulates (PM10) | 3.2 | - |
| Fluoride | 5.2 | 50 |
| Nitrogen Oxides | 97.2 | 250 |
| Sulfur Dioxide | 20 | - |
| Sulfur Trioxide | 2.1 | - |

NOTE: To access a full copy of this when available and previous reports please refer to the *Boral NSW Operations - Environmental Reporting* webpage at:

<https://www.boral.com.au/our-commitment/environmental-reporting>