

Dunmore Quarry

Environmental Monitoring Report

May 2020

Date Published: June 20



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 77 (EPL 77 – Boral Dunmore Quarry)

This report provides environmental monitoring data for Dunmore Quarry for the period 31 May 2016 to 31 May 2020.

|  |  |
| --- | --- |
| **Dunmore Quarry Information** | |
| Premise Details | Boral – Dunmore Quarry |
| Address | Princes Highway, Dunmore NSW, 2529 |
| Licensee | Boral Resources (NSW) PTY LTD |
| EPL No | 77 |
| EPL Location | <https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=77&id=77&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued> |

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

* Deposited Dust
* Dust PM10
* Water Quality
* Blasting

**Air Quality**

Air Quality Monitoring is conducted as per condition M2.2 of EPL 77. The air quality results for the reporting period are tabled below.

**Deposited Dust**

Deposited Dust (g/m2/month) results for the reporting period:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sample Period: | May 2020 | |  |  |  |
| Date received: | 25/06/2019 |  |  |  |  |
| Licensee: | Dunmore Quarry | |  |  |  |
| Licensee Address: | Princes Hwy, Dunmore NSW 2529 | | | |  |
| EPL No: | 77 |  | |  |  |
|  |  |  |  |  |  |
| **Qualifications related to Dust**  Air Emissions Monitoring - Dust Deposition Gauge | |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Location** | **Monitoring Frequency** | **Pollutant** | **Measurement** | **Unit** | **Comments** |
| **May 2020** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 1.25 | g/m²/month |  |
| Ash | 0.83 | g/m²/month |
| Soluble Matter | 4.31 | g/m²/month |
| Total Solids | 5.57 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 1.09 | g/m²/month |  |
| Ash | 0.83 | g/m²/month |
| Soluble Matter | 0.77 | g/m²/month |
| Total Solids | 1.86 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 1.18 | g/m²/month |  |
| Ash | 1.04 | g/m²/month |
| Soluble Matter | 1.09 | g/m²/month |
| Total Solids | 2.28 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 0.79 | g/m²/month |  |
| Ash | 0.67 | g/m²/month |
| Soluble Matter | 0.93 | g/m²/month |
| Total Solids | 1.72 | g/m²/month |

**Historical Data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Location** | **Monitoring Frequency** | **Pollutant** | **Measurement** | **Unit** | **Comments** |
| **April 2020** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 1.45 | g/m²/month |  |
| Ash | 0.95 | g/m²/month |
| Soluble Matter | 0.50 | g/m²/month |
| Total Solids | 2.82 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 4.84 | g/m²/month |  |
| Ash | 2.36 | g/m²/month |
| Soluble Matter | 5.23 | g/m²/month |
| Total Solids | 10.06 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 1.69 | g/m²/month |  |
| Ash | 0.95 | g/m²/month |
| Soluble Matter | 1.40 | g/m²/month |
| Total Solids | 3.09 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 1.40 | g/m²/month |  |
| Ash | 0.85 | g/m²/month |
| Soluble Matter | 1.44 | g/m²/month |
| Total Solids | 2.84 | g/m²/month |
| **March 2020** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 2.03 | g/m²/month |  |
| Ash | 1.56 | g/m²/month |
| Soluble Matter | 3.47 | g/m²/month |
| Total Solids | 5.50 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 1.75 | g/m²/month |  |
| Ash | 1.11 | g/m²/month |
| Soluble Matter | 1.38 | g/m²/month |
| Total Solids | 3.12 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 1.81 | g/m²/month |  |
| Ash | 1.05 | g/m²/month |
| Soluble Matter | 1.86 | g/m²/month |
| Total Solids | 3.66 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 1.85 | g/m²/month |  |
| Ash | 1.20 | g/m²/month |
| Soluble Matter | 0.92 | g/m²/month |
| Total Solids | 2.77 | g/m²/month |
| **February 2020** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 6.77 | g/m²/month |  |
| Ash | 3.11 | g/m²/month |
| Soluble Matter | 7.84 | g/m²/month |
| Total Solids | 14.60 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 13.25 | g/m²/month |  |
| Ash | 9.90 | g/m²/month |
| Soluble Matter | 11.83 | g/m²/month |
| Total Solids | 25.08 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 4.60 | g/m²/month |  |
| Ash | 3.06 | g/m²/month |
| Soluble Matter | 7.34 | g/m²/month |
| Total Solids | 11.94 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 3.64 | g/m²/month |  |
| Ash | 2.26 | g/m²/month |
| Soluble Matter | 5.36 | g/m²/month |
| Total Solids | 9.00 | g/m²/month |
| **January 2020** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 7.11 | g/m²/month | Currowan Bushfire burning within the South Coast region. Samples affected by Dust Storm 23/1/2020 |
| Ash | 5.45 | g/m²/month |
| Soluble Matter | 2.14 | g/m²/month |
| Total Solids | 9.26 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 9.12 | g/m²/month | Currowan Bushfire burning within the South Coast region. Samples affected by Dust Storm 23/1/2020 |
| Ash | 6.44 | g/m²/month |
| Soluble Matter | 2.40 | g/m²/month |
| Total Solids | 11.52 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 10.20 | g/m²/month | Currowan Bushfire burning within the South Coast region. Samples affected by Dust Storm 23/1/2020 |
| Ash | 8.28 | g/m²/month |
| Soluble Matter | 3.06 | g/m²/month |
| Total Solids | 14.02 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 8.14 | g/m²/month | Currowan Bushfire burning within the South Coast region. Samples affected by Dust Storm 23/1/2020 |
| Ash | 6.33 | g/m²/month |
| Soluble Matter | 1.79 | g/m²/month |
| Total Solids | 9.93 | g/m²/month |
| **December 2019** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 2.31 | g/m²/month | Currowan Bushfire burning within the South Coast region. |
| Ash | 1.40 | g/m²/month |
| Soluble Matter | 0.89 | g/m²/month |
| Total Solids | 3.20 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 2.02 | g/m²/month | Currowan Bushfire burning within the South Coast region. |
| Ash | 1.42 | g/m²/month |
| Soluble Matter | 0.60 | g/m²/month |
| Total Solids | 2.62 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 2.14 | g/m²/month | Currowan Bushfire burning within the South Coast region. |
| Ash | 1.27 | g/m²/month |
| Soluble Matter | 0.60 | g/m²/month |
| Total Solids | 2.74 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 1.84 | g/m²/month | Currowan Bushfire burning within the South Coast region. |
| Ash | 1.10 | g/m²/month |
| Soluble Matter | 0.56 | g/m²/month |
| Total Solids | 2.39 | g/m²/month |
| **November 2019** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 3.27 | g/m²/month |  |
| Ash | 2.04 | g/m²/month |
| Soluble Matter | 1.23 | g/m²/month |
| Total Solids | 4.80 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 3.55 | g/m²/month |  |
| Ash | 3.10 | g/m²/month |
| Soluble Matter | 0.45 | g/m²/month |
| Total Solids | 5.35 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 2.84 | g/m²/month |  |
| Ash | 2.52 | g/m²/month |
| Soluble Matter | 1.45 | g/m²/month |
| Total Solids | 4.29 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 2.16 | g/m²/month |  |
| Ash | 1.91 | g/m²/month |
| Soluble Matter | 2.77 | g/m²/month |
| Total Solids | 4.93 | g/m²/month |
| **October 2019** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 1.84 | g/m²/month |  |
|  | Ash | 0.98 | g/m²/month |
|  | Soluble Matter | 0.85 | g/m²/month |
|  | Total Solids | 3.28 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 1.43 | g/m²/month |  |
|  | Ash | 0.94 | g/m²/month |
|  | Soluble Matter | 0.49 | g/m²/month |
|  | Total Solids | 2.28 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 2.19 | g/m²/month |  |
|  | Ash | 1.18 | g/m²/month |
|  | Soluble Matter | 1.18 | g/m²/month |
|  | Total Solids | 3.37 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 1.24 | g/m²/month |  |
|  | Ash | 0.91 | g/m²/month |
|  | Soluble Matter | 0.88 | g/m²/month |
|  | Total Solids | 2.13 | g/m²/month |
| **September 2019** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 1.1 | g/m²/month |  |
| Ash | 0.92 | g/m²/month |
| Soluble Matter | 1.88 | g/m²/month |
| Total Solids | 2.98 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 1.44 | g/m²/month |  |
| Ash | 1.2 | g/m²/month |
| Soluble Matter | 1.81 | g/m²/month |
| Total Solids | 3.25 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 2.01 | g/m²/month |  |
| Ash | 1.51 | g/m²/month |
| Soluble Matter | 3.7 | g/m²/month |
| Total Solids | 5.71 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 0.5 | g/m²/month |  |
| Ash | 0.46 | g/m²/month |
| Soluble Matter | 2.98 | g/m²/month |
| Total Solids | 3.48 | g/m²/month |
| **August 2019** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 2.08 | g/m²/month |  |
| Ash | 1.42 | g/m²/month |
| Soluble Matter | 1.41 | g/m²/month |
| Total Solids | 3.49 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 0.91 | g/m²/month |  |
| Ash | 0.62 | g/m²/month |
| Soluble Matter | 1.65 | g/m²/month |
| Total Solids | 2.56 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 1.67 | g/m²/month |  |
| Ash | 1.14 | g/m²/month |
| Soluble Matter | 1.64 | g/m²/month |
| Total Solids | 3.31 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 2.4 | g/m²/month |  |
| Ash | 1.72 | g/m²/month |
| Soluble Matter | 1.54 | g/m²/month |
| Total Solids | 3.94 | g/m²/month |
| **July 2019** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 1.19 | g/m²/month |  |
| Ash | 0.65 | g/m²/month |
| Soluble Matter | 0.14 | g/m²/month |
| Total Solids | 1.33 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 1.43 | g/m²/month |  |
| Ash | 0.69 | g/m²/month |
| Soluble Matter | 1.72 | g/m²/month |
| Total Solids | 3.15 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 0.6 | g/m²/month |  |
| Ash | 0.57 | g/m²/month |
| Soluble Matter | 0.79 | g/m²/month |
| Total Solids | 1.39 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 0.31 | g/m²/month |  |
| Ash | 0.3 | g/m²/month |
| Soluble Matter | 0.11 | g/m²/month |
| Total Solids | 0.42 | g/m²/month |
| **June 2019** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 3.23 | g/m²/month |  |
| Ash | 1.25 | g/m²/month |
| Soluble Matter | 2.67 | g/m²/month |
| Total Solids | 5.9 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 2.82 | g/m²/month |  |
| Ash | 1.08 | g/m²/month |
| Soluble Matter | 1.29 | g/m²/month |
| Total Solids | 4.11 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 2.86 | g/m²/month |  |
| Ash | 1.09 | g/m²/month |
| Soluble Matter | 2.61 | g/m²/month |
| Total Solids | 5.51 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 1.54 | g/m²/month |  |
| Ash | 0.75 | g/m²/month |
| Soluble Matter | 1.19 | g/m²/month |
| Total Solids | 2.74 | g/m²/month |
| **May 2019** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 0.28 | g/m²/month |  |
| Ash | 0.11 | g/m²/month |
| Soluble Matter | 0.13 | g/m²/month |
| Total Solids | 0.41 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 0.73 | g/m²/month |  |
| Ash | 0.45 | g/m²/month |
| Soluble Matter | 0.71 | g/m²/month |
| Total Solids | 1.44 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 2.33 | g/m²/month |  |
| Ash | 1.58 | g/m²/month |
| Soluble Matter | 0.67 | g/m²/month |
| Total Solids | 3 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 1.15 | g/m²/month |  |
| Ash | 0.44 | g/m²/month |
| Soluble Matter | 0.36 | g/m²/month |
| Total Solids | 1.51 | g/m²/month |
| **April 2019** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 1.09 | g/m²/month |  |
| Ash | 0.75 | g/m²/month |
| Soluble Matter | 0.73 | g/m²/month |
| Total Solids | 1.82 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 1.97 | g/m²/month |  |
| Ash | 1.46 | g/m²/month |
| Soluble Matter | 2.43 | g/m²/month |
| Total Solids | 4.4 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 3.28 | g/m²/month |  |
| Ash | 1.09 | g/m²/month |
| Soluble Matter | 1.98 | g/m²/month |
| Total Solids | 5.26 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 2.31 | g/m²/month |  |
| Ash | 1.23 | g/m²/month |
| Soluble Matter | 1.64 | g/m²/month |
| Total Solids | 3.95 | g/m²/month |
| **March 2019** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 3.29 | g/m²/month |  |
| Ash | 1.53 | g/m²/month |
| Soluble Matter | 0.86 | g/m²/month |
| Total Solids | 4.15 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 1.13 | g/m²/month |  |
| Ash | 0.92 | g/m²/month |
| Soluble Matter | 6.07 | g/m²/month |
| Total Solids | 7.2 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 4.25 | g/m²/month |  |
| Ash | 1.94 | g/m²/month |
| Soluble Matter | 0.56 | g/m²/month |
| Total Solids | 4.81 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 3.89 | g/m²/month |  |
| Ash | 1.88 | g/m²/month |
| Soluble Matter | 0.16 | g/m²/month |
| Total Solids | 4.05 | g/m²/month |
| **February 2019** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 5.29 | g/m²/month | Regional Dust Storm on 13/2/19 and 14/2/19 |
| Ash | 3.55 | g/m²/month |
| Soluble Matter | 1.44 | g/m²/month |
| Total Solids | 6.69 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 5.09 | g/m²/month | Regional Dust Storm on 13/2/19 and 14/2/19 |
| Ash | 3.29 | g/m²/month |
| Soluble Matter | 2.20 | g/m²/month |
| Total Solids | 7.32 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 8.62 | g/m²/month | Regional Dust Storm on 13/2/19 and 14/2/19 |
| Ash | 4.40 | g/m²/month |
| Soluble Matter | 3.14 | g/m²/month |
| Total Solids | 11.76 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 4.02 | g/m²/month | Regional Dust Storm on 13/2/19 and 14/2/19 |
| Ash | 2.36 | g/m²/month |
| Soluble Matter | 1.30 | g/m²/month |
| Total Solids | 5.32 | g/m²/month |
| **January 2019** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 4.37 | g/m²/month |  |
| Ash | 3.24 | g/m²/month |
| Soluble Matter | 0.71 | g/m²/month |
| Total Solids | 5.09 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 2.6 | g/m²/month |  |
| Ash | 1.84 | g/m²/month |
| Soluble Matter | 0.79 | g/m²/month |
| Total Solids | 3.39 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 3.93 | g/m²/month |  |
| Ash | 2.82 | g/m²/month |
| Soluble Matter | 0.72 | g/m²/month |
| Total Solids | 4.65 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 2.71 | g/m²/month |  |
| Ash | 2.34 | g/m²/month |
| Soluble Matter | 0.24 | g/m²/month |
| Total Solids | 2.95 | g/m²/month |
| **December 2018** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 3.12 | g/m²/month |  |
| Ash | 2.04 | g/m²/month |
| Soluble Matter | 1.35 | g/m²/month |
| Total Solids | 5.55 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 3.83 | g/m²/month |  |
| Ash | 2.48 | g/m²/month |
| Soluble Matter | 1.55 | g/m²/month |
| Total Solids | 5.38 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 4.3 | g/m²/month |  |
| Ash | 2.14 | g/m²/month |
| Soluble Matter | 2.04 | g/m²/month |
| Total Solids | 6.34 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 0.79 | g/m²/month |  |
| Ash | 0.45 | g/m²/month |
| Soluble Matter | 2.52 | g/m²/month |
| Total Solids | 3.31 | g/m²/month |
| **November 2018** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 3.66 | g/m²/month |  |
| Ash | 2.74 | g/m²/month |
| Soluble Matter | 0.28 | g/m²/month |
| Total Solids | 3.94 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 5.76 | g/m²/month |  |
| Ash | 4.58 | g/m²/month |
| Soluble Matter | 0.3 | g/m²/month |
| Total Solids | 6.06 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 3.29 | g/m²/month |  |
| Ash | 2.24 | g/m²/month |
| Soluble Matter | 1.74 | g/m²/month |
| Total Solids | 5.03 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 4.47 | g/m²/month |  |
| Ash | 2.43 | g/m²/month |
| Soluble Matter | 2.83 | g/m²/month |
| Total Solids | 7.3 | g/m²/month |
| **October 2018** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 4.12 | g/m²/month |  |
| Ash | 1.61 | g/m²/month |
| Soluble Matter | 1.26 | g/m²/month |
| Total Solids | 5.38 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 4.58 | g/m²/month |  |
| Ash | 2.19 | g/m²/month |
| Soluble Matter | 1.23 | g/m²/month |
| Total Solids | 5.81 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 2.39 | g/m²/month |  |
| Ash | 1.27 | g/m²/month |
| Soluble Matter | 0.64 | g/m²/month |
| Total Solids | 3.03 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 2.57 | g/m²/month |  |
| Ash | 1.05 | g/m²/month |
| Soluble Matter | 0.82 | g/m²/month |
| Total Solids | 3.39 | g/m²/month |
| **September 2018** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 3.16 | g/m²/month |  |
| Ash | 1.84 | g/m²/month |
| Soluble Matter | 1.42 | g/m²/month |
| Total Solids | 4.58 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 3.01 | g/m²/month |  |
| Ash | 2.17 | g/m²/month |
| Soluble Matter | 1.67 | g/m²/month |
| Total Solids | 4.68 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 2.8 | g/m²/month |  |
| Ash | 1.69 | g/m²/month |
| Soluble Matter | 2.95 | g/m²/month |
| Total Solids | 5.75 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 2.87 | g/m²/month |  |
| Ash | 1.73 | g/m²/month |
| Soluble Matter | 1.55 | g/m²/month |
| Total Solids | 4.42 | g/m²/month |
| **August 2018** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 2.95 | g/m²/month |  |
| Ash | 1.97 | g/m²/month |
| Soluble Matter | 1.41 | g/m²/month |
| Total Solids | 4.36 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 2.03 | g/m²/month |  |
| Ash | 1.03 | g/m²/month |
| Soluble Matter | 1.28 | g/m²/month |
| Total Solids | 3.32 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 4.23 | g/m²/month |  |
| Ash | 2.33 | g/m²/month |
| Soluble Matter | 0.87 | g/m²/month |
| Total Solids | 5.1 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 4.95 | g/m²/month |  |
| Ash | 2.32 | g/m²/month |
| Soluble Matter | 1.25 | g/m²/month |
| Total Solids | 6.2 | g/m²/month |
| **July 2018** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Insoluble Solids | 2 | g/m²/month |  |
| Ash | 1.47 | g/m²/month |
| Soluble Matter | 1.09 | g/m²/month |
| Total Solids | 3.09 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Insoluble Solids | 1.84 | g/m²/month |  |
| Ash | 1.6 | g/m²/month |
| Soluble Matter | 1.52 | g/m²/month |
| Total Solids | 3.37 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Insoluble Solids | 1.67 | g/m²/month |  |
| Ash | 1.53 | g/m²/month |
| Soluble Matter | 1.55 | g/m²/month |
| Total Solids | 3.22 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Insoluble Solids | 2.46 | g/m²/month |  |
| Ash | 2.06 | g/m²/month |
| Soluble Matter | 2.02 | g/m²/month |
| Total Solids | 4.48 | g/m²/month |
| **June 2018** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Ash | 1.80 | g/m²/month |  |
| Insoluble Solids | 1.22 | g/m²/month |
| Soluble Matter | 1.31 | g/m²/month |
| Total Solids | 3.11 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Ash | 1.00 | g/m²/month |  |
| Insoluble Solids | 1.43 | g/m²/month |
| Soluble Matter | 1.51 | g/m²/month |
| Total Solids | 2.94 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 1.17 | g/m²/month |  |
| Insoluble Solids | 1.60 | g/m²/month |
| Soluble Matter | 0.53 | g/m²/month |
| Total Solids | 2.14 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.63 | g/m²/month |  |
| Insoluble Solids | 2.78 | g/m²/month |
| Soluble Matter | 0.43 | g/m²/month |
| Total Solids | 3.21 | g/m²/month |
| **May 2018** | | | | | |
| Monitoring Point 1 (Site 1A) | Monthly | Ash | 1.38 | g/m²/month |  |
| Insoluble Solids | 1.87 | g/m²/month |
| Soluble Matter | 1.46 | g/m²/month |
| Total Solids | 3.33 | g/m²/month |
| Monitoring Point 2 (Site 2A) | Monthly | Ash | 1.41 | g/m²/month |  |
| Insoluble Solids | 1.91 | g/m²/month |
| Soluble Matter | 1.39 | g/m²/month |
| Total Solids | 3.30 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 1.48 | g/m²/month |  |
| Insoluble Solids | 1.98 | g/m²/month |
| Soluble Matter | 1.17 | g/m²/month |
| Total Solids | 3.16 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 0.85 | g/m²/month |  |
| Insoluble Solids | 1.72 | g/m²/month |
| Soluble Matter | 0.81 | g/m²/month |
| Total Solids | 2.53 | g/m²/month |
| **April 2018** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 4.56 | g/m²/month |  |
| Insoluble Solids | 4.91 | g/m²/month |
| Soluble Matter | 2.34 | g/m²/month |
| Total Solids | 7.25 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 2.91 | g/m²/month |  |
| Insoluble Solids | 5.36 | g/m²/month |
| Soluble Matter | 6.20 | g/m²/month |
| Total Solids | 11.56 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 2.40 | g/m²/month |  |
| Insoluble Solids | 2.70 | g/m²/month |
| Soluble Matter | 2.19 | g/m²/month |
| Total Solids | 4.90 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 2.39 | g/m²/month |  |
| Insoluble Solids | 2.74 | g/m²/month |
| Soluble Matter | 2.54 | g/m²/month |
| Total Solids | 5.28 | g/m²/month |
| **March 2018** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 2.90 | g/m²/month |  |
| Insoluble Solids | 4.97 | g/m²/month |
| Soluble Matter | 8.13 | g/m²/month |
| Total Solids | 13.10 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 3.09 | g/m²/month |  |
| Insoluble Solids | 3.81 | g/m²/month |
| Soluble Matter | 5.24 | g/m²/month |
| Total Solids | 9.05 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 1.74 | g/m²/month |  |
| Insoluble Solids | 2.72 | g/m²/month |
| Soluble Matter | 4.57 | g/m²/month |
| Total Solids | 7.29 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.91 | g/m²/month |  |
| Insoluble Solids | 4.21 | g/m²/month |
| Soluble Matter | 5.19 | g/m²/month |
| Total Solids | 9.40 | g/m²/month |
| **February 2018** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.22 | g/m²/month |  |
| Insoluble Solids | 1.79 | g/m²/month |
| Soluble Matter | 4.11 | g/m²/month |
| Total Solids | 5.9 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 4.26 | g/m²/month |  |
| Insoluble Solids | 4.71 | g/m²/month |
| Soluble Matter | 4.76 | g/m²/month |
| Total Solids | 9.46 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 1.84 | g/m²/month |  |
| Insoluble Solids | 2.22 | g/m²/month |
| Soluble Matter | 3.31 | g/m²/month |
| Total Solids | 5.53 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.23 | g/m²/month |  |
| Insoluble Solids | 1.47 | g/m²/month |
| Soluble Matter | 3.71 | g/m²/month |
| Total Solids | 5.18 | g/m²/month |
| **January 2018** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.22 | g/m²/month |  |
| Insoluble Solids | 1.79 | g/m²/month |
| Soluble Matter | 4.11 | g/m²/month |
| Total Solids | 5.9 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 4.26 | g/m²/month |  |
| Insoluble Solids | 4.71 | g/m²/month |
| Soluble Matter | 4.76 | g/m²/month |
| Total Solids | 9.46 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 1.84 | g/m²/month |  |
| Insoluble Solids | 2.22 | g/m²/month |
| Soluble Matter | 3.31 | g/m²/month |
| Total Solids | 5.53 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.23 | g/m²/month |  |
| Insoluble Solids | 1.47 | g/m²/month |
| Soluble Matter | 3.71 | g/m²/month |
| Total Solids | 5.18 | g/m²/month |
| **December 2017** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 2.41 | g/m²/month |  |
| Insoluble Solids | 3.97 | g/m²/month |
| Soluble Matter | 2.76 | g/m²/month |
| Total Solids | 6.73 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 4.05 | g/m²/month |  |
| Insoluble Solids | 5.32 | g/m²/month |
| Soluble Matter | 3.07 | g/m²/month |
| Total Solids | 8.39 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 1.75 | g/m²/month |  |
| Insoluble Solids | 2.24 | g/m²/month |
| Soluble Matter | 3.67 | g/m²/month |
| Total Solids | 5.92 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.66 | g/m²/month |  |
| Insoluble Solids | 2.47 | g/m²/month |
| Soluble Matter | 2.22 | g/m²/month |
| Total Solids | 4.69 | g/m²/month |
| **November 2017** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.50 | g/m²/month |  |
| Insoluble Solids | 2.01 | g/m²/month |
| Soluble Matter | 1.61 | g/m²/month |
| Total Solids | 3.61 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 3.63 | g/m²/month |  |
| Insoluble Solids | 4.21 | g/m²/month |
| Soluble Matter | 0.04 | g/m²/month |
| Total Solids | 4.26 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 0.70 | g/m²/month |  |
| Insoluble Solids | 0.92 | g/m²/month |
| Soluble Matter | 0.49 | g/m²/month |
| Total Solids | 1.41 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.19 | g/m²/month |  |
| Insoluble Solids | 1.77 | g/m²/month |
| Soluble Matter | 0.67 | g/m²/month |
| Total Solids | 2.44 | g/m²/month |
| **October 2017** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 2.95 | g/m²/month |  |
| Insoluble Solids | 4.43 | g/m²/month |
| Soluble Matter | 2.41 | g/m²/month |
| Total Solids | 6.84 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 5.61 | g/m²/month |  |
| Insoluble Solids | 8.22 | g/m²/month |
| Soluble Matter | 2.31 | g/m²/month |
| Total Solids | 10.53 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 2.15 | g/m²/month |  |
| Insoluble Solids | 3.72 | g/m²/month |
| Soluble Matter | 1.76 | g/m²/month |
| Total Solids | 5.48 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 2.16 | g/m²/month |  |
| Insoluble Solids | 3.49 | g/m²/month |
| Soluble Matter | 1.09 | g/m²/month |
| Total Solids | 4.58 | g/m²/month |
| **September 2017** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.04 | g/m²/month |  |
| Insoluble Solids | 1.95 | g/m²/month |
| Soluble Matter | 1.11 | g/m²/month |
| Total Solids | 3.06 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 1.76 | g/m²/month |  |
| Insoluble Solids | 2.96 | g/m²/month |
| Soluble Matter | 2.16 | g/m²/month |
| Total Solids | 5.12 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 2.33 | g/m²/month |  |
| Insoluble Solids | 4.19 | g/m²/month |
| Soluble Matter | 3.32 | g/m²/month |
| Total Solids | 7.51 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 4.04 | g/m²/month |  |
| Insoluble Solids | 6.89 | g/m²/month |
| Soluble Matter | 2.63 | g/m²/month |
| Total Solids | 9.52 | g/m²/month |
| **July 2017** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.22 | g/m²/month |  |
| Insoluble Solids | 1.46 | g/m²/month |
| Soluble Matter | 1.51 | g/m²/month |
| Total Solids | 2.97 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 1.51 | g/m²/month |  |
| Insoluble Solids | 1.91 | g/m²/month |
| Soluble Matter | 1.68 | g/m²/month |
| Total Solids | 3.59 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 0.95 | g/m²/month |  |
| Insoluble Solids | 1.43 | g/m²/month |
| Soluble Matter | 1.49 | g/m²/month |
| Total Solids | 2.92 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.58 | g/m²/month |  |
| Insoluble Solids | 2.84 | g/m²/month |
| Soluble Matter | 1.44 | g/m²/month |
| Total Solids | 4.28 | g/m²/month |
| **June 2017** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.12 | g/m²/month |  |
| Insoluble Solids | 1.57 | g/m²/month |
| Soluble Matter | 1.52 | g/m²/month |
| Total Solids | 3.08 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 1.05 | g/m²/month |  |
| Insoluble Solids | 1.61 | g/m²/month |
| Soluble Matter | 1.75 | g/m²/month |
| Total Solids | 3.36 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 1.69 | g/m²/month |  |
| Insoluble Solids | 2.57 | g/m²/month |
| Soluble Matter | 2.49 | g/m²/month |
| Total Solids | 5.06 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.36 | g/m²/month |  |
| Insoluble Solids | 1.85 | g/m²/month |
| Soluble Matter | 2.03 | g/m²/month |
| Total Solids | 3.88 | g/m²/month |
| **May 2017** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.98 | g/m²/month |  |
| Insoluble Solids | 4.25 | g/m²/month |
| Soluble Matter | 2.27 | g/m²/month |
| Total Solids | 6.51 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 1.79 | g/m²/month |  |
| Insoluble Solids | 2.13 | g/m²/month |
| Soluble Matter | 2.62 | g/m²/month |
| Total Solids | 4.76 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 2.22 | g/m²/month |  |
| Insoluble Solids | 2.81 | g/m²/month |
| Soluble Matter | 3.77 | g/m²/month |
| Total Solids | 6.58 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 2.83 | g/m²/month |  |
| Insoluble Solids | 3.22 | g/m²/month |
| Soluble Matter | 4.17 | g/m²/month |
| Total Solids | 7.39 | g/m²/month |
| **April 2017** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.41 | g/m²/month |  |
| Insoluble Solids | 2.21 | g/m²/month |
| Soluble Matter | 1.17 | g/m²/month |
| Total Solids | 3.38 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 2.14 | g/m²/month |  |
| Insoluble Solids | 6.17 | g/m²/month |
| Soluble Matter | 2.09 | g/m²/month |
| Total Solids | 8.26 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 2.72 | g/m²/month |  |
| Insoluble Solids | 4.24 | g/m²/month |
| Soluble Matter | 1.31 | g/m²/month |
| Total Solids | 5.56 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 2.21 | g/m²/month |  |
| Insoluble Solids | 2.27 | g/m²/month |
| Soluble Matter | 1.01 | g/m²/month |
| Total Solids | 3.78 | g/m²/month |
| **March 2017** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 0.44 | g/m²/month |  |
| Insoluble Solids | 0.69 | g/m²/month |
| Soluble Matter | 2.08 | g/m²/month |
| Total Solids | 2.77 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 0.44 | g/m²/month |  |
| Insoluble Solids | 1.76 | g/m²/month |
| Soluble Matter | 2.83 | g/m²/month |
| Total Solids | 4.58 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 0.79 | g/m²/month |  |
| Insoluble Solids | 1.58 | g/m²/month |
| Soluble Matter | 0.77 | g/m²/month |
| Total Solids | 2.35 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 0.66 | g/m²/month |  |
| Insoluble Solids | 0.82 | g/m²/month |
| Soluble Matter | 1.67 | g/m²/month |
| Total Solids | 2.49 | g/m²/month |
| **February 2017** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.55 | g/m²/month |  |
| Insoluble Solids | 1.89 | g/m²/month |
| Soluble Matter | 0.5 | g/m²/month |
| Total Solids | 2.39 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 1.55 | g/m²/month |  |
| Insoluble Solids | 5.53 | g/m²/month |
| Soluble Matter | 0.5 | g/m²/month |
| Total Solids | 2.39 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 2.18 | g/m²/month |  |
| Insoluble Solids | 2.31 | g/m²/month |
| Soluble Matter | 1.5 | g/m²/month |
| Total Solids | 3.8 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 0.75 | g/m²/month |  |
| Insoluble Solids | 1.34 | g/m²/month |
| Soluble Matter | 1.48 | g/m²/month |
| Total Solids | 2.82 | g/m²/month |
| **January 2017** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 2.45 | g/m²/month |  |
| Insoluble Solids | 4.55 | g/m²/month |
| Soluble Matter | 3.95 | g/m²/month |
| Total Solids | 8.5 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 1.41 | g/m²/month |  |
| Insoluble Solids | 2.28 | g/m²/month |
| Soluble Matter | 1.9 | g/m²/month |
| Total Solids | 4.17 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 2.81 | g/m²/month |  |
| Insoluble Solids | 4.44 | g/m²/month |
| Soluble Matter | 7.85 | g/m²/month |
| Total Solids | 12.28 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.95 | g/m²/month |  |
| Insoluble Solids | 2.58 | g/m²/month |
| Soluble Matter | 5.66 | g/m²/month |
| Total Solids | 8.23 | g/m²/month |
| **December 2016** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.73 | g/m²/month |  |
| Insoluble Solids | 2.61 | g/m²/month |
| Soluble Matter | 2.49 | g/m²/month |
| Total Solids | 5.1 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 2.98 | g/m²/month |  |
| Insoluble Solids | 5.52 | g/m²/month |
| Soluble Matter | 4.08 | g/m²/month |
| Total Solids | 9.6 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 3.63 | g/m²/month |  |
| Insoluble Solids | 5.73 | g/m²/month |
| Soluble Matter | 4.42 | g/m²/month |
| Total Solids | 10.15 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.85 | g/m²/month |  |
| Insoluble Solids | 2.92 | g/m²/month |
| Soluble Matter | 3.66 | g/m²/month |
| Total Solids | 6.57 | g/m²/month |
| **November 2016** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.8 | g/m²/month |  |
| Insoluble Solids | 2.68 | g/m²/month |
| Soluble Matter | 2.21 | g/m²/month |
| Total Solids | 4.89 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 4.83 | g/m²/month |  |
| Insoluble Solids | 6.9 | g/m²/month |
| Soluble Matter | 1.94 | g/m²/month |
| Total Solids | 8.84 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 1.55 | g/m²/month |  |
| Insoluble Solids | 2.49 | g/m²/month |
| Soluble Matter | 0 | g/m²/month |
| Total Solids | 0 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.65 | g/m²/month |  |
| Insoluble Solids | 2.57 | g/m²/month |
| Soluble Matter | 0 | g/m²/month |
| Total Solids | 0 | g/m²/month |
| **October 2016** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 0.93 | g/m²/month |  |
| Insoluble Solids | 1.01 | g/m²/month |
| Soluble Matter | 1.66 | g/m²/month |
| Total Solids | 2.67 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 1.59 | g/m²/month |  |
| Insoluble Solids | 1.63 | g/m²/month |
| Soluble Matter | 1.66 | g/m²/month |
| Total Solids | 3.28 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 2.6 | g/m²/month |  |
| Insoluble Solids | 3.84 | g/m²/month |
| Soluble Matter | 2.95 | g/m²/month |
| Total Solids | 6.8 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.85 | g/m²/month |  |
| Insoluble Solids | 2.20 | g/m²/month |
| Soluble Matter | 1.79 | g/m²/month |
| Total Solids | 3.99 | g/m²/month |
| **September 2016** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 0.88 | g/m²/month |  |
| Insoluble Solids | 1.18 | g/m²/month |
| Soluble Matter | 1.04 | g/m²/month |
| Total Solids | 2.23 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 1.47 | g/m²/month |  |
| Insoluble Solids | 2.17 | g/m²/month |
| Soluble Matter | 1.19 | g/m²/month |
| Total Solids | 3.36 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 3.19 | g/m²/month |  |
| Insoluble Solids | 4.11 | g/m²/month |
| Soluble Matter | 2.03 | g/m²/month |
| Total Solids | 6.13 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.51 | g/m²/month |  |
| Insoluble Solids | 1.79 | g/m²/month |
| Soluble Matter | 1.5 | g/m²/month |
| Total Solids | 3.29 | g/m²/month |
| **August 2016** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.39 | g/m²/month |  |
| Insoluble Solids | 1.72 | g/m²/month |
| Soluble Matter | 2.3 | g/m²/month |
| Total Solids | 4.02 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 11.26 | g/m²/month |  |
| Insoluble Solids | 17.22 | g/m²/month |
| Soluble Matter | 6.16 | g/m²/month |
| Total Solids | 23.38 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 7.36 | g/m²/month |  |
| Insoluble Solids | 9.25 | g/m²/month |
| Soluble Matter | 3.75 | g/m²/month |
| Total Solids | 13 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 2.16 | g/m²/month |  |
| Insoluble Solids | 2.82 | g/m²/month |
| Soluble Matter | 1.09 | g/m²/month |
| Total Solids | 3.91 | g/m²/month |
| **July 2016** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.3 | g/m²/month |  |
| Insoluble Solids | 2.08 | g/m²/month |
| Soluble Matter | 0.76 | g/m²/month |
| Total Solids | 2.83 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 1.11 | g/m²/month |  |
| Insoluble Solids | 1.31 | g/m²/month |
| Soluble Matter | 1.35 | g/m²/month |
| Total Solids | 2.65 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 7.77 | g/m²/month |  |
| Insoluble Solids | 10.11 | g/m²/month |
| Soluble Matter | 4.28 | g/m²/month |
| Total Solids | 14.39 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 1.68 | g/m²/month |  |
| Insoluble Solids | 1.81 | g/m²/month |
| Soluble Matter | 1.69 | g/m²/month |
| Total Solids | 3.5 | g/m²/month |
| **June 2016** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 0.99 | g/m²/month |  |
| Insoluble Solids | 1.32 | g/m²/month |
| Soluble Matter | 1.21 | g/m²/month |
| Total Solids | 2.53 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 0.83 | g/m²/month |  |
| Insoluble Solids | 1.43 | g/m²/month |
| Soluble Matter | 0.39 | g/m²/month |
| Total Solids | 1.83 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 17.32 | g/m²/month |  |
| Insoluble Solids | 19.76 | g/m²/month |
| Soluble Matter | 3.45 | g/m²/month |
| Total Solids | 23.21 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 2.95 | g/m²/month |  |
| Insoluble Solids | 3.43 | g/m²/month |
| Soluble Matter | 0.35 | g/m²/month |
| Total Solids | 3.78 | g/m²/month |
| **May 2016** | | | | | |
| Monitoring Point 1 (Site 1) | Monthly | Ash | 1.59 | g/m²/month |  |
| Insoluble Solids | 3.30 | g/m²/month |
| Soluble Matter | 3.97 | g/m²/month |
| Total Solids | 7.28 | g/m²/month |
| Monitoring Point 2 (Site 2) | Monthly | Ash | 1.06 | g/m²/month |  |
| Insoluble Solids | 1.53 | g/m²/month |
| Soluble Matter | 1.59 | g/m²/month |
| Total Solids | 3.13 | g/m²/month |
| Monitoring Point 3 (Site DD2) | Monthly | Ash | 3.86 | g/m²/month |  |
| Insoluble Solids | 5.06 | g/m²/month |
| Soluble Matter | 3.67 | g/m²/month |
| Total Solids | 8.73 | g/m²/month |
| Monitoring Point 4 (Site DD10) | Monthly | Ash | 0.85 | g/m²/month |  |
| Insoluble Solids | 1.17 | g/m²/month |
| Soluble Matter | 1.48 | g/m²/month |
| Total Solids | 2.65 | g/m²/month |
| Further Historical monitoring data relating to dust can be found in the associated Annual Reviews for each year. Location of the Dunmore Quarry Annual Reviews can be found at  <https://www.boral.com.au/locations/boral-dunmore-operations> | | | | | |

**PM10**

PM10 (µg/m3) results for the reporting period month is:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sample Period: | April 2020 | | |  |  |  |  |
| Date Received: | 15/06/20 | | |  |  |  |  |
| Licensee: | Dunmore Quarry | |  |  |  |  |  |
| Licensee Address: | Princes Hwy, Dunmore NSW 2529 | | | | |  |  |
| EPL No: | 77 |  | | |  |  |  |
|  |  |  | |  |  |  |  |
| **Qualifications related to Dust:** | |  | |  |  |  |  |
| \* Air Emissions Monitoring - High Volume Air Sampler | | | | | | |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Location** | **Date** | **Pollutant** | **Monitoring Frequency** | **Measurement** | **Limit** | **Unit** | **Comment** |
| **April 2020** | | | | | | | |
| Monitoring Point 5 | 03/05/20 | PM10 | 6 days | 8.97 | 50 | µg/m³ |  |
| Monitoring Point 5 | 09/05/20 | PM10 | 6 days | 17.65 | 50 | µg/m³ |  |
| Monitoring Point 5 | 15/05/20 | PM10 | 6 days | 12.60 | 50 | µg/m³ |  |
| Monitoring Point 5 | 21/05/20 | PM10 | 6 days | 13.55 | 50 | µg/m³ |  |
| Monitoring Point 5 | 27/05/20 | PM10 | 6 days | 12.12 | 50 | µg/m³ |  |

**Historical Data**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **April 2020** | | | | | | | | | | | | | | |
| Location | Date | Pollutant | | Monitoring Frequency | | Measurement | | Limit | | | Unit | | | Comments |
| Monitoring Point 5 | 3/04/20 | PM10 | | 6 days | | 9.11 | | 50 | | | µg/m³ | | |  |
| Monitoring Point 5 | 9/04/20 | PM10 | | 6 days | | 3.15 | | 50 | | | µg/m³ | | |  |
| Monitoring Point 5 | 15/4/20 | PM10 | | 6 days | | 23.29 | | 50 | | | µg/m³ | | |  |
| Monitoring Point 5 | 21/4/20 | PM10 | | 6 days | | 11.47 | | 50 | | | µg/m³ | | |  |
| Monitoring Point 5 | 27/4/20 | PM10 | | 6 days | | 12.00 | | 50 | | | µg/m³ | | |  |
| **March 2020** | | | | | | | | | | | | | | |
| Location | Date | Pollutant | | Monitoring Frequency | | Measurement | | Limit | | | Unit | | | Comments |
| Monitoring Point 5 | 4/03/2020 | PM10 | | 6 days | | 19.71 | | 50 | | | µg/m³ | | |  |
| Monitoring Point 5 | 10/03/2020 | PM10 | | 6 days | | 10.52 | | 50 | | | µg/m³ | | |  |
| Monitoring Point 5 | 16/03/2020 | PM10 | | 6 days | | 11.29 | | 50 | | | µg/m³ | | |  |
| Monitoring Point 5 | 22/03/2020 | PM10 | | 6 days | | 20.92 | | 50 | | | µg/m³ | | |  |
| Monitoring Point 5 | 28/03/2020 | PM10 | | 6 days | | 7.37 | | 50 | | | µg/m³ | | |  |
| **February 2020** | | | | | | | | | | | | | | |
| Location | Date | Pollutant | | Monitoring Frequency | | Measurement | | Limit | | | Unit | | | Comments |
| Monitoring Point 5 | 2/02/20 | PM10 | | 6 days | | 44.15 | | 50 | | | µg/m³ | | | Higher than average PM10 measurement attributed to the ambient poor air quality caused by the Currowan Bushfire |
| Monitoring Point 5 | 8/02/20 | PM10 | | 6 days | | 17.23 | | 50 | | | µg/m³ | | | Currowan bushfire extinguished |
| Monitoring Point 5 | 14/02/20 | PM10 | | 6 days | | 19.01 | | 50 | | | µg/m³ | | |  |
| Monitoring Point 5 | 20/02/20 | PM10 | | 6 days | | 13.50 | | 50 | | | µg/m³ | | |  |
| Monitoring Point 5 | 26/02/20 | PM10 | | 6 days | | 21.21 | | 50 | | | µg/m³ | | |  |
| **January 2020** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 3/01/2020 | PM10 | | 6 days | | 48.96 | | 50 | | | µg/m³ | | | Higher than average PM10 measurement attributed to the ambient poor air quality caused by the Currowan Bushfire south of the site during the month of January |
| Monitoring Point 5 | 9/01/2020 | PM10 | | 6 days | | 18.84 | | 50 | | | µg/m³ | | |
| Monitoring Point 5 | 15/01/2020 | PM10 | | 6 days | | 39.81 | | 50 | | | µg/m³ | | |
| Monitoring Point 5 | 21/01/2020 | PM10 | | 6 days | | 30.50 | | 50 | | | µg/m³ | | |
| Monitoring Point 5 | 27/01/2020 | PM10 | | 6 days | | 30.50 | | 50 | | | µg/m³ | | |
| **December 2019** | | | | | | | | | | | | | | |
| Location | Date | Pollutant | | Monitoring Frequency | | Measurement | | Limit | | | Unit | | | Comments |
| Monitoring Point 5 | 4/12/2019 | PM10 | | 6 days | | 28.82 | | 50 | | | µg/m³ | | |  |
| Monitoring Point 5 | 10/12/2019 | PM10 | | 6 days | | 70.23 | | 50 | | | µg/m³ | | | Elevated PM10 measurement attributed to the ambient poor air quality caused by the Currowan Bushfire south of the site |
| Monitoring Point 5 | 16/12/2019 | PM10 | | 6 days | | 28.70 | | 50 | | | µg/m³ | | |  |
| Monitoring Point 5 | 22/12/2019 | PM10 | | 6 days | | 33.27 | | 50 | | | µg/m³ | | |  |
| Monitoring Point 5 | 28/12/2019 | PM10 | | 6 days | | 36.60 | | 50 | | | µg/m³ | | |  |
| **November 2019** | | | | | | | | | | | | | | |
| Location | Date | Pollutant | | Monitoring Frequency | | Measurement | | | Limit | | | Unit | | Comments |
| Monitoring Point 5 | 28/11/2019 | PM10 | | 6 days | | 52.35 | | | 50 | | | µg/m³ | | Elevated PM10 measurement attributed to the ambient poor air quality caused by the Currowan Bushfire south of the site beginning 26/11/19 |
| Monitoring Point 5 | 22/11/2019 | PM10 | | 6 days | | 35.12 | | | 50 | | | µg/m³ | |  |
| Monitoring Point 5 | 16/11/2019 | PM10 | | 6 days | | 17.65 | | | 50 | | | µg/m³ | |  |
| Monitoring Point 5 | 10/11/2019 | PM10 | | 6 days | | 7.37 | | | 50 | | | µg/m³ | |  |
| Monitoring Point 5 | 4/11/2019 | PM10 | | 6 days | | 15.09 | | | 50 | | | µg/m³ | |  |
| **October 2019** | | | | | | | | | | | | | | |
| Location | Date | Pollutant | | Monitoring Frequency | | Measurement | | | Limit | | | Unit | | Comments |
| Monitoring Point 5 | 29/10/2019 | PM10 | | 6 days | | 35.29 | | | 50 | | | µg/m³ | |  |
| Monitoring Point 5 | 23/10/2019 | PM10 | | 6 days | | 16.70 | | | 50 | | | µg/m³ | |  |
| Monitoring Point 5 | 17/10/2019 | PM10 | | 6 days | | 10.93 | | | 50 | | | µg/m³ | |  |
| Monitoring Point 5 | 11/10/2019 | PM10 | | 6 days | | 4.04 | | | 50 | | | µg/m³ | |  |
| Monitoring Point 5 | 5/10/2019 | PM10 | | 6 days | | 4.63 | | | 50 | | | µg/m³ | |  |
| **September 2019** | | | | | | | | | | | | | | |
| Location | Date | Pollutant | | Monitoring Frequency | | Measurement | | | Limit | | | Unit | | Comments |
| Monitoring Point 5 | 29/09/2019 | PM10 | | 6 days | | 11.05 | | | 50 | | | µg/m³ | |  |
| Monitoring Point 5 | 23/09/2019 | PM10 | | 6 days | | 24.48 | | | 50 | | | µg/m³ | |  |
| Monitoring Point 5 | 17/09/2019 | PM10 | | 6 days | | 7.25 | | | 50 | | | µg/m³ | |  |
| Monitoring Point 5 | 11/09/2019 | PM10 | | 6 days | | 11.05 | | | 50 | | | µg/m³ | |  |
| Monitoring Point 5 | 5/09/2019 | PM10 | | 6 days | | 13.37 | | | 50 | | | µg/m³ | |  |
| **August 2019** | | | | | | | | | | | | | | |
| Location | Date | Pollutant | Monitoring Frequency | | Measurement | | Limit | | | Unit | | | Comment | |
| Monitoring Point 5 | 30/08/2019 | PM10 | 6 days | | 3.86 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 24/08/2019 | PM10 | 6 days | | 12.44 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 18/08/2019 | PM10 | 6 days | | 11.69 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 12/08/2019 | PM10 | 6 days | | 3.69 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 6/08/2019 | PM10 | 6 days | | 8.95 | | 50 | | | µg/m³ | | |  | |
| **July 2019** | | | | | | | | | | | | | | |
| Location | Date | Pollutant | Monitoring Frequency | | Measurement | | Limit | | | Unit | | | Comment | |
| Monitoring Point 5 | 31/07/2019 | PM10 | 6 days | | 0 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 25/07/2019 | PM10 | 6 days | | 13.73 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 19/07/2019 | PM10 | 6 days | | 9.38 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 13/07/2019 | PM10 | 6 days | | 4.75 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 7/07/2019 | PM10 | 6 days | | 6.83 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 1/07/2019 | PM10 | 6 days | | 31.08 | | 50 | | | µg/m³ | | |  | |
| **June 2019** | | | | | | | | | | | | | | |
| Location | Date | Pollutant | Monitoring Frequency | | Measurement | | Limit | | | Unit | | | Comment | |
| Monitoring Point 5 | 25/06/2019 | PM10 | 6 days | | 21.87 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 19/06/2019 | PM10 | 6 days | | 6.18 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 13/06/2019 | PM10 | 6 days | | 30.97 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 7/06/2019 | PM10 | 6 days | | 9.45 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 1/06/2019 | PM10 | 6 days | | 15.92 | | 50 | | | µg/m³ | | |  | |
| **May 2019** | | | | | | | | | | | | | | |
| Location | Date | Pollutant | Monitoring Frequency | | Measurement | | Limit | | | Unit | | | Comment | |
| Monitoring Point 5 | 31/5/19 | PM10 | 6 days | | 15.92 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 26/5/19 | PM10 | 6 days | | 14.8 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 20/5/19 | PM10 | 6 days | | 22.4 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 14/5/19 | PM10 | 6 days | | 16.76 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 8/5/19 | PM10 | 6 days | | 11.65 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 2/5/19 | PM10 | 6 days | | 34.46 | | 50 | | | µg/m³ | | |  | |
| **April 2019** | | | | | | | | | | | | | | |
| Location | Date | Pollutant | Monitoring Frequency | | Measurement | | Limit | | | Unit | | | Comment | |
| Monitoring Point 5 | 26/4/19 | PM10 | 6 days | | 19.96 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 20/4/2019 | PM10 | 6 days | | 12.18 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 14/4/2019 | PM10 | 6 days | | 14.56 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 8/4/2019 | PM10 | 6 days | | 25.91 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 2/4/2019 | PM10 | 6 days | | 10.70 | | 50 | | | µg/m³ | | |  | |
| **March 2019** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 27/3/19 | PM10 | 6 days | | 16.82 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 21/3/19 | PM10 | 6 days | | 10.64 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 15/3/19 | PM10 | 6 days | | 14.91 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 9/3/19 | PM10 | 6 days | | 22.58 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 3/3/19 | PM10 | 6 days | | 11.53 | | 50 | | | µg/m³ | | |  | |
| **February 2019** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 26/2/2019 | PM10 | 6 days | | 16.93 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 20/2/2019 | PM10 | 6 days | | 26.15 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 13/2/2019 | PM10 | 6 days | | 16.04 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 7/2/2019 | PM10 | 6 days | | 16.46 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5\* | 1/2/2019 | PM10 | 6 days | | 81.47 | | 50 | | | µg/m³ | | | Regionally high ambient PM10 levels above air quality guidelines (>50 µg/m³ on 1/2/19). Elevated reading not attributed to Dunmore Quarry | |
| **January 2019** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 26/1/2019 | PM10 | 6 days | | 37.20 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 20/1/2019 | PM10 | 6 days | | 15.81 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 14/1/2019 | PM10 | 6 days | | 30.42 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 8/1/2019 | PM10 | 6 days | | 25.55 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 2/1/2019 | PM10 | 6 days | | 22.64 | | 50 | | | µg/m³ | | |  | |
| **December 2018** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 27/12/2018 | PM10 | 6 days | | 30.60 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 21/12/2018 | PM10 | 6 days | | 11.23 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 15/12/2018 | PM10 | 6 days | | 20.95 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 9/12/2018 | PM10 | 6 days | | 24.36 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 3/12/2018 | PM10 | 6 days | | 14.38 | | 50 | | | µg/m³ | | |  | |
| **November 2018** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 27/11/2018 | PM10 | 6 days | | 26.44 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 21/11/2018 | PM10 | 6 days | | 19.01 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 15/11/2018 | PM10 | 6 days | | 6.18 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 9/11/2018 | PM10 | 6 days | | 16.82 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 3/11/2018 | PM10 | 6 days | | 24.24 | | 50 | | | µg/m³ | | |  | |
| **October 2018** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 28/10/2018 | PM10 | 6 days | | 7.90 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 22/10/2018 | PM10 | 6 days | | 17.47 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 16/10/2018 | PM10 | 6 days | | 29.00 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 10/10/2018 | PM10 | 6 days | | 10.43 | | 50 | | | µg/m³ | | |  | |
| **September 2018** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 04/9/2018 | PM10 | 6 days | | 12.67 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 10/9/2018 | PM10 | 6 days | | 12.67 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 16/9/2018 | PM10 | 6 days | | 11.71 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 22/9/2018 | PM10 | 6 days | | 12.24 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 28/9/2018 | PM10 | 6 days | | 36.06 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 04/10/2018 | PM10 | 6 days | | 36.06 | | 50 | | | µg/m³ | | |  | |
| **August 2018** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 11/8/2018 | PM10 | 6 days | | 13.07 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 17/8/2018 | PM10 | 6 days | | 10.46 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 23/8/2018 | PM10 | 6 days | | 4.81 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 29/8/2018 | PM10 | 6 days | | 5.46 | | 50 | | | µg/m³ | | |  | |
| **July 2018** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 6/7/2018 | PM10 | 6 days | | 6.36 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 12/7/2018 | PM10 | 6 days | | 3.57 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 18/7/2018 | PM10 | 6 days | | 25.79 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 24/7/2018 | PM10 | 6 days | | 5.11 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 30/7/2018 | PM10 | 6 days | | 20.02 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 5/8/2018 | PM10 | 6 days | | 6.00 | | 50 | | | µg/m³ | | |  | |
| **June 2018** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 6/6/2018 | PM10 | 6 days | | 3.98 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 12/6/2018 | PM10 | 6 days | | 4.40 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 18/6/2018 | PM10 | 6 days | | 2.73 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 24/6/2018 | PM10 | 6 days | | 2.25 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 30/6/2018 | PM10 | 6 days | | 2.73 | | 50 | | | µg/m³ | | |  | |
| **May 2018** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 1/5/2018 | PM10 | 6 days | | 16.40 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 7/5/2018 | PM10 | 6 days | | 20.26 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 13/5/2018 | PM10 | 6 days | | 6.36 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 19/5/2018 | PM10 | 6 days | | 6.00 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 25/5/2018 | PM10 | 6 days | | 7.78 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 31/4/2018 | PM10 | 6 days | | 0.77 | | 50 | | | µg/m³ | | |  | |
| **April 2018** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 7/4/2018 | PM10 | 6 days | | 17.71 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 13/4/2018 | PM10 | 6 days | | 28.64 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 19/4/2018 | PM10 | 6 days | | 29.89 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 25/4/2018 | PM10 | 6 days | | 5.86 | | 50 | | | µg/m³ | | |  | |
| **March 2018** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 2/3/2018 | PM10 | 6 days | | 17.74 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 8/3/2018 | PM10 | 6 days | | 17.74 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 14/3/2018 | PM10 | 6 days | | 19.13 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 20/3/2018 | PM10 | 6 days | | 19.85 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 26/3/2018 | PM10 | 6 days | | 3.62 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 1/4/2018 | PM10 | 6 days | | 31.79 | | 50 | | | µg/m³ | | |  | |
| **February 2018** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 31/1/2018 | PM10 | 6 days | | 30.90 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 6/2/2018 | PM10 | 6 days | | 15.09 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 12/2/2018 | PM10 | 6 days | | 18.66 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 18/2/2018 | PM10 | 6 days | | 29.35 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 24/2/2018 | PM10 | 6 days | | 33.27 | | 50 | | | µg/m³ | | |  | |
| **January 2018** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 07/01/2018 | PM10 | 6 days | | 32.32 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 13/01/2018 | PM10 | 6 days | | 7.05 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 19/01/2018 | PM10 | 6 days | | 32.20 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 25/01/2018 | PM10 | 6 days | | 16.16 | | 50 | | | µg/m³ | | |  | |
| **December 2017** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 02/12/2017 | PM10 | 6 days | | 30.12 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 8/11/2017 | PM10 | 6 days | | 30.12 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 14/11/2017 | PM10 | 6 days | | 39.81 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 20/10/2017 | PM10 | 6 days | | 29.89 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 26/10/2017 | PM10 | 6 days | | 4.32 | | 50 | | | µg/m³ | | |  | |
| **November 2017** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 02/11/2017 | PM10 | 6 days | | 9.57 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 08/11/2017 | PM10 | 6 days | | 6.12 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 14/11/2017 | PM10 | 6 days | | 12.36 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 21/10/2017 | PM10 | 6 days | | 1.96 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 27/10/2017 | PM10 | 6 days | | 7.19 | | 50 | | | µg/m³ | | |  | |
| **October 2017** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 03/10/2017 | PM10 | 6 days | | 2.38 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 09/10/2017 | PM10 | 6 days | | 10.16 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 15/10/2017 | PM10 | 6 days | | 2.02 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 21/10/2017 | PM10 | 6 days | | 9.28 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 27/10/2017 | PM10 | 6 days | | 3.57 | | 50 | | | µg/m³ | | |  | |
| **September 2017** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 03/09/2017 | PM10 | 6 days | | 6.30 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 09/09/2017 | PM10 | 6 days | | 0.89 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 15/09/2017 | PM10 | 6 days | | 3.86 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 21/09/2017 | PM10 | 6 days | | 13.19 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 27/09/2017 | PM10 | 6 days | | 18.48 | | 50 | | | µg/m³ | | |  | |
| **August 2017** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 8/08/2017 | PM10 | 6 days | | 2.02 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 10/08/2017 | PM10 | 6 days | | 12.30 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 16/08/2017 | PM10 | 6 days | | 3.86 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 22/08/2017 | PM10 | 6 days | | 7.61 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 28/08/2017 | PM10 | 6 days | | 5.11 | | 50 | | | µg/m³ | | |  | |
| **June 2017** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 5/06/2017 | PM10 | 6 days | | 0.71 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 11/06/2017 | PM10 | 6 days | | 1.31 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 17/06/2017 | PM10 | 6 days | | 4.10 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 23/06/2017 | PM10 | 6 days | | 4.28 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 29/06/2017 | PM10 | 6 days | | 1.43 | | 50 | | | µg/m³ | | |  | |
| **May 2017** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 6/05/2017 | PM10 | 6 days | | 6.65 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 12/05/2017 | PM10 | 6 days | | 5.41 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 18/05/2017 | PM10 | 6 days | | 9.57 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 24/05/2017 | PM10 | 6 days | | 14.38 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 30/05/2017 | PM10 | 6 days | | 5.70 | | 50 | | | µg/m³ | | |  | |
| **April 2017** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 6/04/2017 | PM10 | 6 days | | 7.43 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 12/04/2017 | PM10 | 6 days | | 0.95 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 18/04/2017 | PM10 | 6 days | | 5.94 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 24/04/2017 | PM10 | 6 days | | 4.4 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 30/04/2017 | PM10 | 6 days | | 5.35 | | 50 | | | µg/m³ | | |  | |
| **February 2017** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 5/02/2017 | PM10 | 6 days | | 29.06 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 11/02/2017 | PM10 | 6 days | | 42.57 | | 50 | | | µg/m³ | | | Local Bushfires caused elevations | |
| Monitoring Point 5 | 17/02/2017 | PM10 | 6 days | | 45.97 | | 50 | | | µg/m³ | | | Local Bushfires caused elevations | |
| Monitoring Point 5 | 23/02/2017 | PM10 | 6 days | | 17.23 | | 50 | | | µg/m³ | | |  | |
| **January 2017** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 6/01/2017 | PM10 | 6 days | | 0.53 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 12/01/2017 | PM10 | 6 days | | 9.74 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 18/01/2017 | PM10 | 6 days | | 22.22 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 24/01/2017 | PM10 | 6 days | | 23.59 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 30/01/2017 | PM10 | 6 days | | 54.43 | | 50 | | | µg/m³ | | | Local Bushfires caused elevations | |
| **December 2016** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 7/12/2016 | PM10 | 6 days | | 14.56 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 13/12/2016 | PM10 | 6 days | | 8.02 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 19/12/2016 | PM10 | 6 days | | 24.58 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 25/12/2016 | PM10 | 6 days | | 13.84 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 31/12/2016 | PM10 | 6 days | | 8.37 | | 50 | | | µg/m³ | | |  | |
| **October 2016** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 2/10/2016 | PM10 | 6 days | | 6.95 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 8/10/2016 | PM10 | 6 days | | 16.76 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 14/10/2016 | PM10 | 6 days | | 11.05 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 20/10/2016 | PM10 | 6 days | | 17.4 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 26/10/2016 | PM10 | 6 days | | 21.98 | | 50 | | | µg/m³ | | |  | |
| **September 2016** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 2/09/2016 | PM10 | 6 days | | 0.24 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 8/09/2016 | PM10 | 6 days | | 16.82 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 14/09/2016 | PM10 | 6 days | | 4.52 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 20/09/2016 | PM10 | 6 days | | 9.8 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 26/09/2016 | PM10 | 6 days | | 15.2 | | 50 | | | µg/m³ | | |  | |
| **August 2016** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 3/08/2016 | PM10 | 6 days | | 9.57 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 9/08/2016 | PM10 | 6 days | | 18.54 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 15/08/2016 | PM10 | 6 days | | 14.02 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 21/08/2016 | PM10 | 6 days | | 7.25 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 27/08/2016 | PM10 | 6 days | | 15.32 | | 50 | | | µg/m³ | | |  | |
| **July 2016** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 4/07/2016 | PM10 | 6 days | | 3.97 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 10/07/2016 | PM10 | 6 days | | 2.44 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 16/07/2016 | PM10 | 6 days | | 12.95 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 22/07/2016 | PM10 | 6 days | | 8.62 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 28/07/2016 | PM10 | 6 days | | 12.06 | | 50 | | | µg/m³ | | |  | |
| **June 2016** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 4/06/2016 | PM10 | 6 days | | 5.82 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 10/06/2016 | PM10 | 6 days | | 0.42 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 16/06/2016 | PM10 | 6 days | | 12.95 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 22/06/2016 | PM10 | 6 days | | 3.98 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 28/06/2016 | PM10 | 6 days | | 2.73 | | 50 | | | µg/m³ | | |  | |
| **May 2016** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 5/05/2016 | PM10 | 6 days | | 17.11 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 11/05/2016 | PM10 | 6 days | | 22.56 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 17/05/2016 | PM10 | 6 days | | 20.38 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 23/05/2016 | PM10 | 6 days | | 15.27 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 29/05/2016 | PM10 | 6 days | | 1.54 | | 50 | | | µg/m³ | | |  | |
| **April 2016** | | | | | | | | | | | | | | |
| Monitoring Point 5 | 5/04/2016 | PM10 | 6 days | | 10.21 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 11/04/2016 | PM10 | 6 days | | 4.46 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 17/04/2016 | PM10 | 6 days | | 4.93 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 23/04/2016 | PM10 | 6 days | | 3.92 | | 50 | | | µg/m³ | | |  | |
| Monitoring Point 5 | 29/04/2016 | PM10 | 6 days | | 33.81 | | 50 | | | µg/m³ | | |  | |
| Further Historical monitoring data relating to PM10 can be found in the associated Annual Reviews for each year. Location of the Dunmore Quarry Annual Reviews can be found at <https://www.boral.com.au/locations/boral-dunmore-operations> | | | | | | | | | | | | | | |

**Blasting**

Blast monitoring is conducted as per condition L4 of EPL 77. The blasting monitoring results for the reporting period is summarised below.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample Period: | | | May 2020 | |  | |  | |  |  |  |
| Licensee: | | | Dunmore Quarry | |  | |  | |  |  |  |
| Licensee Address: | | | Princes Hwy, Dunmore NSW 2529 | | | | | | |  |  |
| EPL No: | | | 77 | |  | | | |  |  |  |
|  | | |  | |  | |  | |  |  |  |
| **Qualifications related to noise:** | | | | |  | |  | |  |  |  |
| \* The overpressure level from blasting operations at the premises must not exceed 120dB (Lin Peak) at any time | | | | | | | | | | | |
| \* The overpressure level from blasting operations at the premises must not exceed 115dB (Lin Peak) for more than 5% of the total number of blasts over each reporting period | | | | | | | | | | | |
| \* Ground vibration peak particle vector from the blasting operations at the premises must not exceed 10mm/sec at any time | | | | | | | | | | | |
| \* Ground vibration peak particle vector from the blasting operations at the premises must not exceed 5mm/sec for more than 5% of the total number of blasts over each reporting period | | | | | | | | | | | |
| \* Blast monitoring overpressure and ground vibration is currently measured at the Benny Property | | | | | | | | | | | |
|  | |  | | | |  | |  |  |  |  |
|  |  | | |  | |  | |  |  |  |  |
|  |  | | |  | |  | |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Monitoring Location | Blast Date | Results Received | Time | Ground Vibration Result (mm/s) | GV Compliant | Overpressure Result (dBL) | OP Compliant |
| **May 2020** | | | | | | | |
| Benny Residence | 27-May-20 | 27-May-20 | 13:49 | 3.50 | Yes | 104.8 | Yes |

**Historical Data**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Monitoring Location | Blast Date | Results Received | | Time | | | | Ground Vibration Result | | GV Compliant | | Overpressure Result | | OP Compliant |
| **April 2020** | | | | | | | | | | | | | | |
| Benny Residence | 08-Apr-20 | | 08-Apr-20 | | 16:02 | | 1.55 | | Yes | | 116.3 | | Yes | |
| **March 2020** | | | | | | | | | | | | | | |
| Benny Residence | 09-Mar-20 | | 09-Mar-20 | | 13:45 | | 1.71 | | Yes | | 111.4 | | Yes | |
| Benny Residence | 18-Mar-20 | | 18-Mar-20 | | 12:40 | | 2.55 | | Yes | | 94.2 | | Yes | |
| **February 2020** | | | | | | | | | | | | | | |
| Benny Residence | 5/02/2020 | | 5/02/2020 | | 13:21 | | 5.37 | | Yes | | 98.2 | | Yes | |
| Benny Residence | 19/02/2020 | | 19/02/2020 | | 12:55 | | 1.64 | | Yes | | 97.7 | | Yes | |
| Benny Residence | 26/02/2020 | | 26/02/2020 | | 12:23 | | 2.15 | | Yes | | 104.9 | | Yes | |
| **January 2020** | | | | | | | | | | | | | | |
| Benny Residence | 15/01/2020 | | 15/01/2020 | | 12:22 | | 0.89 | | Yes | | 102.5 | | Yes | |
| **December 2019** | | | | | | | | | | | | | | |
| Benny Residence | 04/12/2019 | | 04/12/2019 | | 12:35 | | 3.40 | | Yes | | 108.0 | | Yes | |
| Benny Residence | 11/12/2019 | | 11/12/2019 | | 12:15 | | 2.70 | | Yes | | 100.0 | | Yes | |
| **November 2019** | | | | | | | | | | | | | | |
| Benny Residence | 6/11/2019 | | 2/10/2019 | | 12:17 | | 2.93 | | Yes | | 102.4 | | Yes | |
| Benny Residence | 21/11/2019 | | 16/10/2019 | | 9:22 | | 3.52 | | Yes | | 107.7 | | Yes | |
| **October 2019** | | | | | | | | | | | | | | |
| Benny Residence | 2/10/2019 | | 2/10/2019 | | 15:25 | | 1.54 | | Yes | | 106.8 | | Yes | |
| Benny Residence | 16/10/2019 | | 16/10/2019 | | 12:59 | | 3.73 | | Yes | | 98.2 | | Yes | |
| Benny Residence | 28/10/2019 | | 28/10/2019 | | 12:18 | | 1.97 | | Yes | | 101.7 | | Yes | |
| Benny Residence | 30/10/2019 | | 30/10/2019 | | 10:55 | | 0.82 | | Yes | | 110.2 | | Yes | |
| **September 2019** | | | | | | | | | | | | | | |
| Benny Residence | 04/09/2019 | | 04/09/2019 | | 12:35 | | 1.27 | | Yes | | 100.8 | | Yes | |
| Benny Residence | 25/09/2019 | | 25/09/2019 | | 13:33 | | 2.83 | | Yes | | 100.2 | | Yes | |
| **August 2019** | | | | | | | | | | | | | | |
| Benny Residence | 06-Aug-19 | 06-Aug-19 | | 14:20 | | | | 2.26 | | Yes | | 101.1 | | Yes |
| **July 2019** | | | | | | | | | | | | | | |
| Benny Residence | 10-Jul-19 | 10-Jul-19 | | 14:58 | | | | 4.95 | | Yes | | 98.5 | | Yes |
| Benny Residence | 17-Jul-19 | 17-Jul-19 | | 12:17 | | | | 3.19 | | Yes | | 99.5 | | Yes |
| Benny Residence | 23-Jul-19 | 23-Jul-19 | | 12:14 | | | | 1.85 | | Yes | | 97.2 | | Yes |
| **June 2019** | | | | | | | | | | | | | | |
| Benny Residence | 05-Jun-19 | 05-Jun-19 | | 13:26 | | | | 2.14 | | Yes | | 102.9 | | Yes |
| Benny Residence | 19-Jun-19 | 19-Jun-19 | | 12:51 | | | | 1.01 | | Yes | | 102.9 | | Yes |
| Benny Residence | 26-Jun-19 | 26-Jun-19 | | 12:02 | | | | 1.54 | | Yes | | 98.6 | | Yes |
| **May 2019** | | | | | | | | | | | | | | |
| Benny Residence | 15/05/2019 | 15/05/2019 | | 12:18 | | | | 0.3 | | Yes | | 97.1 | | Yes |
| Benny Residence | 29/05/2019 | 29/05/2019 | | 9:21 | | | | 2.54 | | Yes | | 104.6 | | Yes |
| **April 2019** | | | | | | | | | | | | | | |
| Benny Residence | 3/04/2019 | 3/04/2019 | | 13:04 | | | | 2.6 | | Yes | | 99.1 | | Yes |
| Benny Residence | 17/04/2019 | 17/04/2019 | | 13:26 | | | | 1.37 | | Yes | | 103.9 | | Yes |
| **March 2019** | | | | | | | | | | | | | | |
| Benny Residence | 4/03/2019 | 4/03/2019 | | 12:26 | | | | 3.8 | | Yes | | 98.4 | | Yes |
| Benny Residence | 13/03/2019 | 13/03/2019 | | 14:44 | | | | 2.9 | | Yes | | 101.6 | | Yes |
| **February 2019** | | | | | | | | | | | | | | |
| Benny Residence | 20-Feb-19 | 20-Feb-19 | | 10:56 | | | | No Trigger | | Yes | | 101.0 | | Yes |
| Benny Residence | 13-Feb-19 | 13-Feb-19 | | 12:13 | | | | No Trigger | | Yes | | No Trigger | | Yes |
| Benny Residence | 06-Feb-19 | 06-Feb-19 | | 13:45 | | | | 0.30 | | Yes | | 94.0 | | Yes |
| **January 2019** | | | | | | | | | | | | | | |
| Benny Residence | 31-Jan-19 | 31-Jan-10 | | 12:20 | | | | 4.20 | | Yes | | 101.0 | | Yes |
| Benny Residence | 23-Jan-19 | 23-Jan-19 | | 13:05 | | | | 2.70 | | Yes | | 101.0 | | Yes |
| Benny Residence | 16-Jan-19 | 16-Jan-19 | | 12:20 | | | | 3.10 | | Yes | | No Trigger | | Yes |
| **December 2018** | | | | | | | | | | | | | | |
| Benny Residence | 12-Dec-18 | 12-Dec-18 | | 12:34 | | | | 2.30 | | Yes | | 101.3 | | Yes |
| Benny Residence | 06-Dec-18 | 06-Dec-18 | | 14:28 | | | | 2.00 | | Yes | | 101.3 | | Yes |
| **November 2018** | | | | | | | | | | | | | | |
| Benny Residence | 22-Nov-18 | 22-Nov-18 | | 12:34 | | | | 2.80 | | Yes | | 101.9 | | Yes |
| Benny Residence | 01-Nov-18 | 01-Nov-18 | | 15:06 | | | | 1.70 | | Yes | | 100 | | Yes |
| **October 2018** | | | | | | | | | | | | | | |
| Benny Residence | 17-Oct-18 | 17-Oct-18 | | 14:04 | | | | 1.90 | | Yes | | 104.9 | | Yes |
| Benny Residence | 10-Oct-18 | 10-Oct-18 | | 12:38 | | | | 1.14 | | Yes | | 112.3 | | Yes |
| **September 2018** | | | | | | | | | | | | | | |
| Benny Residence | 20-Sept-18 | 20-Sept-18 | | 9:20 | | | | 1.78 | | Yes | | 100 | | Yes |
| **August 2018** | | | | | | | | | | | | | | |
| Benny Residence | 29-Aug-18 | 29-Aug-18 | | 12:51 | | | | 3.56 | | Yes | | 100 | | Yes |
| Benny Residence | 23-Aug-18 | 23-Aug-18 | | 12:16 | | | | 1.14 | | Yes | | 101.9 | | Yes |
| Benny Residence | 8-Aug-18 | 8-Aug-18 | | 13:05 | | | | 1.14 | | Yes | | 97.5 | | Yes |
| **July 2018** | | | | | | | | | | | | | | |
| Benny Residence | 25-Jul-18 | 25-Jul-18 | | 15:13 | | | | 1.52 | | Yes | | 106 | | Yes |
| Benny Residence | 11-Jul-18 | 11-Jul-18 | | 14:38 | | | | 1.52 | | Yes | | 97.5 | | Yes |
| Benny Residence | 4-Jul-18 | 4-Jul-18 | | 14:31 | | | | 1.02 | | Yes | | 94 | | Yes |
| **June 2018** | | | | | | | | | | | | | | |
| Benny Residence | 20-Jun-18 | 20-Jun-18 | | 14:03 | | | | 1.4 | | Yes | | 100 | | Yes |
| Benny Residence | 14-Jun-18 | 14-Jun-18 | | 9:30 | | | | 1.4 | | Yes | | 104.2 | | Yes |
| Benny Residence | 8-Jun-18 | 8-Jun-18 | | 9:16 | | | | 1.65 | | Yes | | 103.5 | | Yes |
| **May 2018** | | | | | | | | | | | | | | |
| Benny Residence | 31-May-18 | 31-May-18 | | 9:31 | | | | 1.016 | | Yes | | 95.9 | | Yes |
| Benny Residence | 17-May-18 | 17-May-18 | | 9:45 | | | | 1.14 | | Yes | | 101.9 | | Yes |
| Benny Residence | 9-May-18 | 9-May-18 | | 13:31 | | | | No Trigger | | Yes | | No Trigger | | Yes |
| Benny Residence | 2-May-18 | 2-May-18 | | 13:49 | | | | 0.76 | | Yes | | 101 | | Yes |
| **April 2018** | | | | | | | | | | | | | | |
| Benny Residence | 27-Apr-18 | 27-Apr-18 | | 11:11 | | | | No Trigger | | Yes | | No Trigger | | Yes |
| Benny Residence | 18-Apr-18 | 18-Apr-18 | | 13:23 | | | | 1.02 | | Yes | | 100 | | Yes |
| Benny Residence | 11-Apr-18 | 11-Apr-18 | | 13:08 | | | | 2.03 | | Yes | | 106.5 | | Yes |
| Benny Residence | 4-Apr-18 | 4-Apr-18 | | 9:08 | | | | 0.762 | | Yes | | 97.5 | | Yes |
| **March 2018** | | | | | | | | | | | | | | |
| Benny Residence | 26-Mar-18 | 26-Mar-18 | | 13:29 | | | | 2.29 | | Yes | | 95.9 | | Yes |
| Benny Residence | 14-Mar-18 | 14-Mar-18 | | 14:05 | | | | 4.83 | | Yes | | 97.5 | | Yes |
| Benny Residence | 7-Mar-18 | 7-Mar-18 | | 15:01 | | | | 1.9 | | Yes | | 97.5 | | Yes |
| **February 2018** | | | | | | | | | | | | | | |
| Benny Residence | 28-Feb-18 | 28-Feb-18 | | 12:22 | | | | 4.32 | | Yes | | 95.9 | | Yes |
| Benny Residence | 27-Feb-18 | 27-Feb-18 | | 14:13 | | | | 5.59 | | Yes | | 98.8 | | Yes |
| Benny Residence | 21-Feb-18 | 21-Feb-18 | | 13:45 | | | | 3.15 | | Yes | | 110.9 | | Yes |
| McParland | 14-Feb-18 | 14-Feb-18 | | 14:56 | | | | 3.56 | | Yes | | 117.4 | | Yes |
| McParland | 7-Feb-18 | 7-Feb-18 | | 12:25 | | | | 2.29 | | Yes | | 105.5 | | Yes |
| McParland | 2-Feb-18 | 2-Feb-18 | | 12:14 | | | | 3.43 | | Yes | | 106 | | Yes |
| McParland | 7-Feb-18 | 7-Feb-18 | | 12:25 | | | | 2.29 | | Yes | | 105.5 | | Yes |
| McParland | 2-Feb-18 | 2-Feb-18 | | 12:14 | | | | 3.43 | | Yes | | 106 | | Yes |
| **January 2018** | | | | | | | | | | | | | | |
| McParland | 29-Jan-18 | 29-Jan-18 | | 14:50 | | | | 4.83 | | Yes | | 112 | | Yes |
| McParland | 23-Jan-18 | 23-Jan-18 | | 10:47 | | | | 0.51 | | Yes | | 102.8 | | Yes |
| McParland | 17-Jan-18 | 17-Jan-18 | | 13:27 | | | | 2.16 | | Yes | | 110.6 | | Yes |
| McParland | 10-Jan-18 | 10-Jan-18 | | 13:48 | | | | 1.52 | | Yes | | 112.6 | | Yes |
| **December 2017** | | | | | | | | | | | | | | |
| McParland | 20-Dec-17 | 20-Dec-17 | | 13:15 | | | | 1.65 | | Yes | | 107.5 | | Yes |
| McParland | 13-Dec-17 | 13-Dec-17 | | 9:41 | | | | 2.67 | | Yes | | 107.5 | | Yes |
| McParland | 6-Dec-17 | 6-Dec-17 | | 12:13 | | | | 0.508 | | Yes | | 102.8 | | Yes |
| **November 2017** | | | | | | | | | | | | | | |
| McParland | 29-Nov-17 | 29-Nov-17 | | 14:01 | | | | 2.92 | | Yes | | 110.6 | | Yes |
| McParland | 20-Nov-17 | 20-Nov-17 | | 12:08 | | | | 2.3 | | Yes | | 102.8 | | Yes |
| McParland | 15-Nov-17 | 15-Nov-17 | | 12:20 | | | | 0.51 | | Yes | | 100 | | Yes |
| McParland | 15-Nov-17 | 15-Nov-17 | | 9:19 | | | | 2.41 | | Yes | | 109.9 | | Yes |
| McParland | 8-Nov-17 | 8-Nov-17 | | 12:13 | | | | 3.1 | | Yes | | 60.7 | | Yes |
| McParland | 1-Nov-17 | 1-Nov-17 | | 12:34 | | | | 2.29 | | Yes | | 101 | | Yes |
| **October 2017** | | | | | | | | | | | | | | |
| McParland | 05-Oct-17 | 05-Oct-17 | | 12:06 | | | | 3.2 | | Y | | 100.0 | | Y |
| McParland | 11- Oct -17 | 11- Oct -17 | | 12:11 | | | | 1.1 | | Y | | 104.2 | | Y |
| McParland | 20- Oct -17 | 20- Oct -17 | | 12:14 | | | | 0.8 | | Y | | 100.0 | | Y |
| McParland | 27- Oct -17 | 27- Oct -17 | | 09:32 | | | | 3.20 | | Y | | 113.8 | | Y |
| **September 2017** | | | | | | | | | | | | | | |
| McParland | 07-Sept-17 | 07- Sept -17 | | 14:24 | | | | 3.810 | | Y | | 107.5 | | Y |
| McParland | 13- Sept -17 | 13- Sept -17 | | 14:17 | | | | 1.140 | | Y | | 101.90 | | Y |
| McParland | 13- Sept -17 | 13- Sept -17 | | 14:01 | | | | 2.20 | | Y | | 105.5 | | Y |
| McParland | 22- Sept -17 | 22- Sept -17 | | 13:01 | | | | 1.270 | | Y | | 101.9 | | Y |
| McParland | 27- Sept -17 | 27- Sept -17 | | 12:25 | | | | 1.900 | | Y | | 108.4 | | Y |
| **August 2017** | | | | | | | | | | | | | | |
| McParland | 01-Aug-17 | 01-August-17 | | | | 12:31 | | No Trigger | | Y | | No Trigger | | Y |
| McParland | 09-Aug-17 | 09-August-17 | | | | 12:18 | | 2.41 | | Y | | 101.90 | | Y |
| McParland | 16-Aug-17 | 16-August-17 | | | | 12:02 | | 2.92 | | Y | | Approx.: 116 | | Y |
| McParland | 23-Aug-17 | 23-August-17 | | | | 13:21 | | 1.40 | | Y | | 110.50 | | Y |
| McParland | 30-Aug-17 | 30-August-17 | | | | 14:01 | | 0.762 | | Y | | 101.0 | | Y |
| **June 2017** | | | | | | | | | | | | | | |
| McParland | 07-June-17 | 07-June-17 | | 11:37 | | | | 0.850 | | Y | | 100.0 | | Y |
| McParland | 14-June-17 | 14-June-17 | | 12:19 | | | | 0.630 | | Y | | 107.5 | | Y |
| McParland | 14-June-17 | 14-June-17 | | 12:22 | | | | 0.510 | | Y | | 97.5 | | Y |
| McParland | 21-June-17 | 21-June-17 | | 12:26 | | | | 3.190 | | Y | | 102.8 | | Y |
| McParland | 30-June-17 | 30-June-17 | | 12:56 | | | | No Trigger | | Y | | No Trigger | | Y |
| **May 2017** | | | | | | | | | | | | | | |
| McParland | 03-May-17 | 03-May-17 | | 13:15 | | | | 1.140 | | Y | | 103.5 | | Y |
| McParland | 03-May-17 | 03-May-17 | | 13:26 | | | | 1.900 | | Y | | 104.2 | | Y |
| McParland | 10-May-17 | 10-May-17 | | 13:03 | | | | No Trigger | | - | | No Trigger | | - |
| McParland | 17-May-17 | 17-May-17 | | 13:01 | | | | 3.050 | | Y | | 102.8 | | Y |
| McParland | 23-May-17 | 23-May-17 | | 12:26 | | | | 3.790 | | Y | | 101.9 | | Y |
| McParland | 31-May-17 | 31-May-17 | | 13:04 | | | | 1.020 | | Y | | 98.8 | | Y |
| McParland | 31-May-17 | 31-May-17 | | 12:54 | | | | 2.030 | | Y | | 101.0 | | Y |
| **February 2017** | | | | | | | | | | | | | | |
| McParland | 08-Feb-17 | 08-Feb-17 | | 15:04 | | | | 1.780 | | Y | | 110.2 | | Y |
| McParland | 08-Feb-17 | 08-Feb-17 | | 14:52 | | | | 2.090 | | Y | | 113.5 | | Y |
| McParland | 15-Feb-17 | 15-Feb-17 | | 12:27 | | | | 1.520 | | Y | | 104.2 | | Y |
| McParland | 27-Feb-17 | 27-Feb-17 | | 12:45 | | | | 1.650 | | Y | | 108.8 | | Y |
| McParland | 21-Feb-17 | 21-Feb-17 | | 12:09 | | | | 3.940 | | Y | | 101.0 | | Y |
| **January 2017** | | | | | | | | | | | | | | |
| McParland | 11-Jan-17 | 11-Jan-17 | | 12:09 | | | | 1.400 | | Y | | 110.6 | | Y |
| McParland | 17-Jan-17 | 17-Jan-17 | | 11:43 | | | | 3.430 | | Y | | 101.9 | | Y |
| McParland | 24-Jan-17 | 24-Jan-17 | | 15:35 | | | | No Trigger | | Y | | No Trigger | | Y |
| **December 2016** | | | | | | | | | | | | | | |
| McParland | 06-Dec-16 | 06-Dec-16 | | 14:27 | | | | 1.780 | | Y | | 103.5 | | Y |
| McParland | 09-Dec-16 | 09-Dec-16 | | 12:02 | | | | 1.400 | | Y | | 108.0 | | Y |
| McParland | 16-Dec-16 | 16-Dec-16 | | 13:20 | | | | 3.810 | | Y | | 101.9 | | Y |
| **October 2016** | | | | | | | | | | | | | | |
| McParland | 05-Oct-16 | 05-Oct-16 | | 12:21 | | | | 3.30 | | Y | | 104.2 | | Y |
| McParland | 19-Oct-16 | 19-Oct-16 | | 14:15 | | | | 0.89 | | Y | | 104.9 | | Y |
| McParland | 26-Oct-16 | 26-Oct-16 | | 12:06 | | | | 0.89 | | Y | | 106.5 | | Y |
| **September 2016** | | | | | | | | | | | | | | |
| McParland | 07-Sep-16 | 07-Sep-16 | | 11:58 | | | | 1.02 | | Y | | 103.5 | | Y |
| McParland | 12-Sep-16 | 12-Sep-16 | | 12:44 | | | | 2.92 | | Y | | 109.9 | | Y |
| McParland | 14-Sep-16 | 14-Sep-16 | | 11:09 | | | | 2.16 | | Y | | 103.5 | | Y |
| **August 2016** | | | | | | | | | | | | | | |
| McParland | 02-Aug-16 | 02-Aug-16 | | 12:22 | | | | 1.65 | | Y | | 106 | | Y |
| McParland | 03-Aug-16 | 03-Aug-16 | | 12:00 | | | | 0.51 | | Y | | 101 | | Y |
| McParland | 09-Aug-16 | 09-Aug-16 | | 12:49 | | | | 1.02 | | Y | | 107 | | Y |
| McParland | 16-Aug-16 | 16-Aug-16 | | 12:09 | | | | 1.65 | | Y | | 112.3 | | Y |
| McParland | 26-Aug-16 | 26-Aug-16 | | 12:52 | | | | 2.16 | | Y | | 97.5 | | Y |
| McParland | 31-Aug-16 | 31-Aug-16 | | 12:14 | | | | 1.40 | | Y | | 106 | | Y |
| **July 2016** | | | | | | | | | | | | | | |
| McParland | 06-Jul-16 | 06-Jul-16 | | 12:10 | | | | 1.40 | | Y | | 98.8 | | Y |
| McParland | 11-Jul-16 | 11-Jul-16 | | 11:15 | | | | 2.16 | | Y | | 104.9 | | Y |
| McParland | 18-Jul-16 | 18-Jul-16 | | 12:31 | | | | 1.40 | | Y | | 101.9 | | Y |
| McParland | 27-Jul-16 | 27-Jul-16 | | 12:05 | | | | 2.54 | | Y | | 101 | | Y |
| **June 2016** | | | | | | | | | | | | | | |
| McParland | 14-Jun-16 | 14-Jun-16 | | 12:10 | | | | 2.92 | | Y | | 101.9 | | Y |
| McParland | 22-Jun-16 | 22-Jun-16 | | 12:55 | | | | No trigger | | Y | | No trigger | | Y |
| McParland | 28-Jun-16 | 28-Jun-16 | | 12:30 | | | | 2.41 | | Y | | 101.9 | | Y |
| **May 2016** | | | | | | | | | | | | | | |
| McParland | 02-May-16 | 02-May-16 | | 12:40 | | | | No trigger | | Y | | No trigger | | Y |
| McParland | 11-May-16 | 11-May-16 | | 13:08 | | | | 1.40 | | Y | | 109.2 | | Y |
| McParland | 18-May-16 | 18-May-16 | | 12:22 | | | | 1.65 | | Y | | 107 | | Y |
| McParland | 24-May-16 | 24-May-16 | | 13:22 | | | | No trigger | | Y | | No trigger | | Y |
| McParland | 25-May-16 | 25-May-16 | | 12:00 | | | | 0.66 | | Y | | 103.5 | | Y |
| McParland | 31-May-16 | 31-May-16 | | 11:43 | | | | 1.78 | | Y | | 101 | | Y |
| **April 2016** | | | | | | | | | | | | | | |
| McParland | 06-Apr-16 | 06-Apr-16 | | 11:43 | | | | 2.16 | | Y | | 107 | | Y |
| McParland | 13-Apr-16 | 13-Apr-16 | | 14:24 | | | | 0.89 | | Y | | 101.9 | | Y |
| McParland | 13-Apr-16 | 13-Apr-16 | | 14:20 | | | | 3.17 | | Y | | 102.8 | | Y |
| McParland | 20-Apr-16 | 20-Apr-16 | | 11:54 | | | | 2.16 | | Y | | 100 | | Y |
| McParland | 27-Apr-16 | 27-Apr-16 | | 13:10 | | | | 3.17 | | Y | | 102 | | Y |
| McParland | 27-Apr-16 | 27-Apr-16 | | 13:25 | | | | No Trigger | | Y | | No Trigger | | Y |
| **March 2016** | | | | | | | | | | | | | | |
| McParland | 02-Mar-16 | 02-Mar-16 | | 12:00 | | | | 4.30 | | Y | | 107.0 | | Y |
| McParland | 16-Mar-16 | 16-Mar-16 | | 12:02 | | | | 2.03 | | Y | | 94.0 | | Y |
| McParland | 23-Mar-16 | 23-Mar-16 | | 12:26 | | | | 2.16 | | Y | | 103.5 | | Y |
| McParland | 30-Mar-16 | 30-Mar-16 | | 12:06 | | | | 0.63 | | Y | | 107.0 | | Y |
| **February 2016** | | | | | | | | | | | | | | |
| McParland | 03-Feb-16 | 03-Feb-16 | | 12:53 | | | | 1.780 | | Y | | 112.8 | | Y |
| McParland | 10-Feb-16 | 10-Feb-16 | | 11:03 | | | | 1.270 | | Y | | 97.5 | | Y |
| McParland | 17-Feb-16 | 17-Feb-16 | | 12:09 | | | | 2.290 | | Y | | 98.8 | | Y |
| McParland | 17-Feb-16 | 17-Feb-16 | | 12:09 | | | | 2.290 | | Y | | 98.8 | | Y |
| McParland | 18-Feb-16 | 18-Feb-16 | | 10:28 | | | | 1.780 | | Y | | 95.9 | | Y |
| McParland | 24-Feb-16 | 24-Feb-16 | | 12:13 | | | | 3.170 | | Y | | 100 | | Y |
| McParland | 25-Feb-16 | 25-Feb-16 | | 11:54 | | | | 2.410 | | Y | | 94 | | Y |
| **January 2016** | | | | | | | | | | | | | | |
| McParland | 08-Jan-16 | 08-Jan-16 | | 13:32 | | | | 0.64 | | Y | | 105.5 | | Y |
| McParland | 13-Jan-16 | 13-Jan-16 | | 13:30 | | | | 1.02 | | Y | | 102.8 | | Y |
| McParland | 13-Jan-16 | 13-Jan-16 | | 13:30 | | | | 3.30 | | Y | | 102.8 | | Y |
| McParland | 19-Jan-16 | 19-Jan-16 | | 11:58 | | | | 3.68 | | Y | | 104.2 | | Y |
| McParland | 27-Jan-16 | 27-Jan-16 | | 13:39 | | | | 1.52 | | Y | | 107 | | Y |
| **December 2015** | | | | | | | | | | | | | | |
| MacParland | 02-Dec-15 | 02-Dec-15 | | 11:58 | | | | 2.29 | | Y | | 108.8 | | Y |
| MacParland | 09-Dec-15 | 09-Dec-15 | | 11:59 | | | | 1.78 | | Y | | 101.0 | | Y |
| MacParland | 15-Dec-15 | 15-Dec-15 | | 11:21 | | | | 1.40 | | Y | | 105.5 | | Y |
| **November 2015** | | | | | | | | | | | | | | |
| MacParland | 11-Nov-15 | 11-Nov-15 | | 14:49 | | | | 1.52 | | Y | | 103.5 | | Y |
| MacParland | 11-Nov-15 | 11-Nov-15 | | 14:49 | | | | 0.64 | | Y | | 114.6 | | Y |
| MacParland | 18-Nov-15 | 18-Nov-15 | | 12:26 | | | | 1.14 | | Y | | 95.9 | | Y |
| MacParland | 25-Nov-15 | 25-Nov-15 | | 11:22 | | | | 1.40 | | Y | | 106.5 | | Y |
| **October 2015** | | | | | | | | | | | | | | |
| MacParland | 02-Oct-15 | 02-Oct-15 | | 10:42 | | | | No Trigger | | Y | | No Trigger | | Y |
| MacParland | 06-Oct-15 | 06-Oct-15 | | 14:48 | | | | 1.27 | | Y | | 114.4 | | Y |
| MacParland | 12-Oct-15 | 12-Oct-15 | | 12:53 | | | | 2.50 | | Y | | 103.5 | | Y |
| MacParland | 14-Oct-15 | 14-Oct-15 | | 12:47 | | | | 2.24 | | Y | | 102.8 | | Y |
| MacParland | 21-Oct-15 | 21-Oct-15 | | 12:04 | | | | 0.76 | | Y | | 112.0 | | Y |
| MacParland | 28-Oct-15 | 28-Oct-15 | | 12:24 | | | | 1.14 | | Y | | 104.2 | | Y |
| **September 2015** | | | | | | | | | | | | | | |
| MacParland | 03-Sep-15 | 03-Sep-15 | | 15:16 | | | | 1.52 | | Y | | 97.5 | | Y |
| MacParland | 03-Sep-15 | 03-Sep-15 | | 15:25 | | | | 2.03 | | Y | | 103.5 | | Y |
| MacParland | 15-Sep-15 | 15-Sep-15 | | 11:37 | | | | 1.02 | | Y | | 104.9 | | Y |
| MacParland | 30-Sep-15 | 30-Sep-15 | | 11:10 | | | | 1.65 | | Y | | 104.2 | | Y |
| **August 2015** | | | | | | | | | | | | | | |
| MacParland | 07-Aug-15 | 07-Aug-15 | | 12:22 | | | | 1.05 | | Y | | 102.8 | | Y |
| MacParland | 10-Aug-15 | 10-Aug-15 | | 12:17 | | | | 2.54 | | Y | | 112.6 | | Y |
| MacParland | 21-Aug-15 | 21-Aug-15 | | 11:57 | | | | 1.40 | | Y | | 112.0 | | Y |
| **July 2015** | | | | | | | | | | | | | | |
| MacParland | 02-Jul-15 | 02-Jul-15 | | 11:42 | | | | 3.30 | | Y | | 106.0 | | Y |
| MacParland | 15-Jul-15 | 15-Jul-15 | | 11:25 | | | | 2.29 | | Y | | 98.8 | | Y |
| MacParland | 21-Jul-15 | 21-Jul-15 | | 12:35 | | | | 2.29 | | Y | | 105.0 | | Y |
| MacParland | 22-Jul-15 | 22-Jul-15 | | 12:02 | | | | 1.14 | | Y | | 104.9 | | Y |
| MacParland | 28-Jul-15 | 28-Jul-15 | | 13:29 | | | | 0.89 | | Y | | 104.2 | | Y |
| **June 2015** | | | | | | | | | | | | | | |
| MacParland | 04-Jun-15 | 04-Jun-15 | | 12:04 | | | | 2.92 | | Y | | 105.5 | | Y |
| MacParland | 15-Jun-15 | 15-Jun-15 | | 12:10 | | | | 2.41 | | Y | | 104.2 | | Y |
| MacParland | 29-Jun-15 | 29-Jun-15 | | 12:32 | | | | No Trigger | | Y | | No Trigger | | Y |
| **May 2015** | | | | | | | | | | | | | | |
| MacParland | 01-May-15 | 01-May-15 | | 11:12 | | | | 0.64 | | Y | | 110.2 | | Y |
| MacParland | 06-May-15 | 06-May-15 | | 12:31 | | | | 2.41 | | Y | | 98.8 | | Y |
| MacParland | 15-May-15 | 15-May-15 | | 11:39 | | | | 3.05 | | Y | | 97.5 | | Y |
| Further Historical monitoring data relating to blasting can be found in the associated Annual Reviews for each year. Location of the Dunmore Quarry Annual Reviews can be found at <https://www.boral.com.au/locations/boral-dunmore-operations> | | | | | | | | | | | | | | |

**Water Monitoring**

Water Quality Monitoring is conducted as per condition M2.3 of EPL 77. The water quality results for the reporting period are tabled below.

|  |  |  |
| --- | --- | --- |
| Sample Period: | May 2020 |  |
| Date Received: | 11/6/20 |  |
| Licensee: | Dunmore Quarry |  |
| Licensee Address: | Princes Hwy, Dunmore NSW 2529 | | | |
| EPL No: | 77 |  | |
|  |  |  |
| **Qualifications related to Water** | |  |
| \* Sampling only occurs at Monitoring points #6, #7, #10 during discharge from site. ND denotes no discharge. NV denotes not visible | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Location** | **Monitoring Frequency** | **Pollutant** | **Measurement** | **Unit** | **Comments** |
| **April 2020** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 898 | µS/cm |  |
| Monthly | Oil and Grease | <0.1 | mg/L |
| Monthly | pH | 8.1 | pH |
| Monthly | Total Suspended Solids | 37 | mg/L |
| Monthly | Turbidity | 85 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |

**Historical Data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Location** | **Monitoring Frequency** | **Pollutant** | **Measurement** | **Unit** | **Comments** |
| **April 2020** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |  |
| Daily during discharge | Oil and Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 8 | Monthly | Conductivity | 995 | µS/cm |  |
| Monthly | Oil and Grease | <0.1 | mg/L |  |
| Monthly | pH | 8.0 | pH |  |
| Monthly | Total Suspended Solids | 22 | mg/L |  |
| Monthly | Turbidity | 24 | NTU |  |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| **March 2020** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |  |
| Daily during discharge | Oil and Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 8 | Monthly | Conductivity | 974 | µS/cm |  |
| Monthly | Oil and Grease | <0.1 | mg/L |  |
| Monthly | pH | 8.4 | pH |  |
| Monthly | Total Suspended Solids | 13 | mg/L |  |
| Monthly | Turbidity | 15 | NTU |  |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| **February 2020** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | 640 | µS/cm | 11/02/20. Discharge from spillway after flooding. |
| Daily during discharge | Oil and Grease | NV | mg/L |
| Daily during discharge | pH | 7.7 | pH |
| Daily during discharge | Total Suspended Solids | 31 | mg/L |
| Daily during discharge | Turbidity | 87.4 | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | 788 | µS/cm | 12/02/20. Discharge from spillway after flooding |
| Daily during discharge | Oil and Grease | NV | mg/L |
| Daily during discharge | pH | 7.84 | pH |
| Daily during discharge | Total Suspended Solids | 18 | mg/L |
| Daily during discharge | Turbidity | 56.7 | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | 681 | µS/cm | 13/02/20. Discharge from spillway after flooding |
| Daily during discharge | Oil and Grease | NV | mg/L |
| Daily during discharge | pH | 7.8 | pH |
| Daily during discharge | Total Suspended Solids | 30 | mg/L |
| Daily during discharge | Turbidity | 89.0 | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | 731 | µS/cm | 14/02/20. Discharge from spillway after flooding |
| Daily during discharge | Oil and Grease | NV | mg/L |
| Daily during discharge | pH | 7.4 | pH |
| Daily during discharge | Total Suspended Solids | 25 | mg/L |
| Daily during discharge | Turbidity | 48.0 | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | 797 | µS/cm | 17/02/20. Discharge from spillway after flooding |
| Daily during discharge | Oil and Grease | NV | mg/L |
| Daily during discharge | pH | 7.5 | pH |
| Daily during discharge | Total Suspended Solids | 12 | mg/L |
| Daily during discharge | Turbidity | 15.4 | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 974 | µS/cm | 25/2/20. Monthly sampling monitoring |
| Monthly | Oil and Grease | 0.1 | mg/L |
| Monthly | pH | 8.4 | pH |
| Monthly | Total Suspended Solids | 13 | mg/L |
| Monthly | Turbidity | 15 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **January 2020** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |  |
| Daily during discharge | Oil and Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 8 | Monthly | Conductivity | 3370 | µS/cm |  |
| Monthly | Oil and Grease | 0.1 | mg/L |  |
| Monthly | pH | 8.2 | pH |  |
| Monthly | Total Suspended Solids | 32 | mg/L |  |
| Monthly | Turbidity | 37 | NTU |  |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| **December 2019** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |  |
| Daily during discharge | Oil and Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 8 | Monthly | Conductivity | 4530 | µS/cm |  |
| Monthly | Oil and Grease | 0.1 | mg/L |  |
| Monthly | pH | 8.3 | pH |  |
| Monthly | Total Suspended Solids | 12 | mg/L |  |
| Monthly | Turbidity | 14 | NTU |  |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| **November 2019** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
|  | Daily during discharge | Flow | ND | KL/day |  |
|  | Daily during discharge | Oil and Grease | ND | mg/L |  |
|  | Daily during discharge | pH | ND | pH |  |
|  | Daily during discharge | Total Suspended Solids | ND | mg/L |  |
|  | Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
|  | Daily during discharge | Oil and Grease | ND | mg/L |  |
|  | Daily during discharge | pH | ND | pH |  |
|  | Daily during discharge | Total Suspended Solids | ND | mg/L |  |
|  | Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 8 | Monthly | Conductivity | 1167 | µS/cm |  |
|  | Monthly | Oil and Grease | 0.1 | mg/L |  |
|  | Monthly | pH | 7.7 | pH |  |
|  | Monthly | Total Suspended Solids | 78 | mg/L |  |
|  | Monthly | Turbidity | 95 | NTU |  |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
|  | Daily during discharge | Oil and Grease | ND | mg/L |  |
|  | Daily during discharge | pH | ND | pH |  |
|  | Daily during discharge | Total Suspended Solids | ND | mg/L |  |
|  | Daily during discharge | Turbidity | ND | NTU |  |
| **October 2019** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
|  | Daily during discharge | Flow | ND | KL/day |  |
|  | Daily during discharge | Oil and Grease | ND | mg/L |  |
|  | Daily during discharge | pH | ND | pH |  |
|  | Daily during discharge | Total Suspended Solids | ND | mg/L |  |
|  | Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
|  | Daily during discharge | Oil and Grease | ND | mg/L |  |
|  | Daily during discharge | pH | ND | pH |  |
|  | Daily during discharge | Total Suspended Solids | ND | mg/L |  |
|  | Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 8 | Monthly | Conductivity | 1090 | µS/cm |  |
|  | Monthly | Oil and Grease | 0.1 | mg/L |  |
|  | Monthly | pH | 8.1 | pH |  |
|  | Monthly | Total Suspended Solids | 14 | mg/L |  |
|  | Monthly | Turbidity | 21 | NTU |  |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
|  | Daily during discharge | Oil and Grease | ND | mg/L |  |
|  | Daily during discharge | pH | ND | pH |  |
|  | Daily during discharge | Total Suspended Solids | ND | mg/L |  |
|  | Daily during discharge | Turbidity | ND | NTU |  |
| **September 2019** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 1255 | µS/cm |  |
| Monthly | Oil and Grease | 0.2 | mg/L |
| Monthly | pH | 8.2 | pH |
| Monthly | Total Suspended Solids | 26 | mg/L |
| Monthly | Turbidity | 65 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **August 2019** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 3160 | µS/cm |  |
| Monthly | Oil and Grease | <0.1 | mg/L |
| Monthly | pH | 8.4 | pH |
| Monthly | Total Suspended Solids | 33 | mg/L |
| Monthly | Turbidity | 37 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **July 2019** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity |  | µS/cm |  |
| Monthly | Oil and Grease | NV | mg/L |
| Monthly | pH | 8.2 | pH |
| Monthly | Total Suspended Solids | 50 | mg/L |
| Monthly | Turbidity | 70 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **June 2019** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | 675 | µS/cm | Discharge date 4/6/19 due to floodwater intrusion from Rocklow Creek |
| Daily during discharge | Oil and Grease | NV | mg/L |
| Daily during discharge | pH | 8.16 | pH |
| Daily during discharge | Total Suspended Solids | 141 | mg/L |
| Daily during discharge | Turbidity | 226 | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | 681 | µS/cm | Discharge Date 5/6/19 due to floodwater intrusion from Rocklow Creek |
| Daily during discharge | Oil and Grease | NV | mg/L |
| Daily during discharge | pH | 8.17 | pH |
| Daily during discharge | Total Suspended Solids | 98 | mg/L |
| Daily during discharge | Turbidity | 154 | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 724 | µS/cm |  |
| Monthly | Oil and Grease | NV | mg/L |
| Monthly | pH | 8.7 | pH |
| Monthly | Total Suspended Solids | 26 | mg/L |
| Monthly | Turbidity | 32.9 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **May 2019** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 695 | µS/cm |  |
| Monthly | Oil and Grease | NV | mg/L |
| Monthly | pH | 8.22 | pH |
| Monthly | Total Suspended Solids | 200 | mg/L |
| Monthly | Turbidity | 257 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **April 2019** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 690 | µS/cm |  |
| Monthly | Oil and Grease | NV | Visible |
| Monthly | pH | 8.15 | pH |
| Monthly | Total Suspended Solids | 23 | mg/L |
| Monthly | Turbidity | 24 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **March 2019** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 690 | µS/cm |  |
| Monthly | Oil and Grease | NV | mg/L |
| Monthly | pH | 8.0 | pH |
| Monthly | Total Suspended Solids | 24 | mg/L |
| Monthly | Turbidity | 31.4 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **February 2019** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 839 | µS/cm |  |
| Monthly | Oil and Grease | NV | mg/L |
| Monthly | pH | 8.1 | pH |
| Monthly | Total Suspended Solids | 46 | mg/L |
| Monthly | Turbidity | 54.8 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **January 2019** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | 540 | µS/cm | Discharge Date 6/1/19. Floodwaters from Rocklow Creek inundated Lower Dam causing the dam to overtop. |
| Daily during discharge | Oil and Grease | NV | mg/L |
| Daily during discharge | pH | 7.7 | pH |
| Daily during discharge | Total Suspended Solids | 101 | mg/L |
| Daily during discharge | Turbidity | 207 | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 653 | µS/cm |  |
| Monthly | Oil and Grease | NV | mg/L |
| Monthly | pH | 8.4 | pH |
| Monthly | Total Suspended Solids | 33 | mg/L |
| Monthly | Turbidity | 40 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **December 2018** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 704 | µS/cm |  |
| Monthly | Oil and Grease | NV | mg/L |
| Monthly | pH | 8.6 | pH |
| Monthly | Total Suspended Solids | 23 | mg/L |
| Monthly | Turbidity | 54.1 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **November 2018** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 718 | µS/cm |  |
| Monthly | Oil & Grease | >5 | mg/L |
| Monthly | pH | 8.4 | pH |
| Monthly | Total Suspended Solids | 49 | mg/L |
| Monthly | Turbidity | 83.8 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **October 2018** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 719 | µS/cm |  |
| Monthly | Oil & Grease | >5 | mg/L |
| Monthly | pH | 8.2 | pH |
| Monthly | Total Suspended Solids | 32 | mg/L |
| Monthly | Turbidity | 40.3 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **September 2018** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 708 | µS/cm |  |
| Monthly | Oil & Grease | >5 | mg/L |
| Monthly | pH | 8.0 | pH |
| Monthly | Total Suspended Solids | 15 | mg/L |
| Monthly | Turbidity | 29.6 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **August 2018** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 583 | µS/cm |  |
| Monthly | Oil & Grease | >5 | mg/L |
| Monthly | pH | 7.7 | pH |
| Monthly | Total Suspended Solids | 8 | mg/L |
| Monthly | Turbidity | 24.5 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **July 2018** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 647 | µS/cm |  |
| Monthly | Oil & Grease | >5 | mg/L |
| Monthly | pH | 8.7 | pH |
| Monthly | Total Suspended Solids | 32 | mg/L |
| Monthly | Turbidity | 58.4 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **June 2018** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 552 | µS/cm |  |
| Monthly | Oil & Grease | >5 | mg/L |
| Monthly | pH | 8.0 | pH |
| Monthly | Total Suspended Solids | 28 | mg/L |
| Monthly | Turbidity | 14.3 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **May 2018** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 582 | µS/cm |  |
| Monthly | Oil & Grease | >5 | mg/L |
| Monthly | pH | 8.0 | pH |
| Monthly | Total Suspended Solids | 34 | mg/L |
| Monthly | Turbidity | 105.0 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **April 2018** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |  |
| Daily during discharge | Oil & Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |  |
| Daily during discharge | pH | ND | pH |  |
| Daily during discharge | Total Suspended Solids | ND | mg/L |  |
| Daily during discharge | Turbidity | ND | NTU |  |
| Monitoring Point 8 | Monthly | Conductivity | 708 | µS/cm |  |
| Monthly | Oil & Grease | >5 | mg/L |
| Monthly | pH | 8.3 | pH |
| Monthly | Total Suspended Solids | 49 | mg/L |
| Monthly | Turbidity |  | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **March 2018** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 596 | µS/cm |  |
| Monthly | Oil & Grease | <5 | mg/L |
| Monthly | pH | 8.2 | pH |
| Monthly | Total Suspended Solids | 46 | mg/L |
| Monthly | Turbidity | 51.9 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **February 2018** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 539 | µS/cm |  |
| Monthly | Flow | ND | KL/day |
| Monthly | Oil and Grease | >5 | mg/L |
| Monthly | pH | 8.30 | pH |
| Monthly | Total Suspended Solids | 36 | mg/L |
| Monthly | Turbidity | 72.2 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **January 2018** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 266 | µS/cm |  |
| Monthly | Flow | ND | KL/day |
| Monthly | Oil and Grease | NV | mg/L |
| Monthly | pH | 8.40 | pH |
| Monthly | Total Suspended Solids | 38 | mg/L |
| Monthly | Turbidity | 61 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil and Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **December 2017** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 524 | µS/cm |  |
| Monthly | Oil & Grease | <5 | mg/L |
| Monthly | pH | 8.2 | pH |
| Monthly | Total Suspended Solids | 47 | mg/L |
| Monthly | Turbidity | 56.1 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | mg/L |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **November 2017** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | ND | µS/cm |  |
| Monthly | Oil & Grease | ND | Visible |
| Monthly | pH | ND | pH |
| Monthly | Total Suspended Solids | ND | mg/L |
| Monthly | Turbidity | ND | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **October 2017** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 642 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 8.4 | pH |
| Monthly | Total Suspended Solids | 46 | mg/L |
| Monthly | Turbidity | 46.0 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **September 2017** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 685 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 7.90 | pH |
| Monthly | Total Suspended Solids | 42.0 | mg/L |
| Monthly | Turbidity | 61.8 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **August 2017** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 509 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 8.3 | pH |
| Monthly | Total Suspended Solids | 47 | mg/L |
| Monthly | Turbidity | 144 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **June 2017** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 514 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 8.2 | pH |
| Monthly | Total Suspended Solids | 88 | mg/L |
| Monthly | Turbidity | 118 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **May 2017** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 585 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 8.3 | pH |
| Monthly | Total Suspended Solids | 130 | mg/L |
| Monthly | Turbidity | 90 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **April 2017** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 573 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 8.87 | pH |
| Monthly | Total Suspended Solids | 29.0 | mg/L |
| Monthly | Turbidity | 67.3 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **February 2017** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | 883 | µS/cm |  |
| Daily during discharge | Oil & Grease | NV | Visible |
| Daily during discharge | pH | 8.3 | pH |
| Daily during discharge | Total Suspended Solids | 69 | mg/L |
| Daily during discharge | Turbidity | 90 | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 641 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 8.3 | pH |
| Monthly | Total Suspended Solids | 58.0 | mg/L |
| Monthly | Turbidity | 146 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **January 2017** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 641 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 8.3 | pH |
| Monthly | Total Suspended Solids | 58.0 | mg/L |
| Monthly | Turbidity | 146 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **December 2016** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 641 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 7.9 | pH |
| Monthly | Total Suspended Solids | 53.0 | mg/L |
| Monthly | Turbidity | 106 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **October 2016** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 503 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 8.5 | pH |
| Monthly | Total Suspended Solids | 61.0 | mg/L |
| Monthly | Turbidity | 125 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **September 2016** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 440 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 8.3 | pH |
| Monthly | Total Suspended Solids | 85.0 | mg/L |
| Monthly | Turbidity | 148 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **August 2016** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 440 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 8.3 | pH |
| Monthly | Total Suspended Solids | 85.0 | mg/L |
| Monthly | Turbidity | 148 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **July 2016** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 450 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 8.3 | pH |
| Monthly | Total Suspended Solids | 32.0 | mg/L |
| Monthly | Turbidity | 69 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **June 2016** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | 214 | µS/cm |  |
| Daily during discharge | Oil & Grease | NV | Visible |
| Daily during discharge | pH | 7.5 | pH |
| Daily during discharge | Total Suspended Solids | 76 | mg/L |
| Daily during discharge | Turbidity | 189 | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 450 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 8.4 | pH |
| Monthly | Total Suspended Solids | 65.0 | mg/L |
| Monthly | Turbidity | 140 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| **May 2016** | | | | | |
| Monitoring Point 6 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Flow | ND | KL/day |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 7 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Monitoring Point 8 | Monthly | Conductivity | 321 | µS/cm |  |
| Monthly | Oil & Grease | NV | Visible |
| Monthly | pH | 6.8 | pH |
| Monthly | Total Suspended Solids | 48.0 | mg/L |
| Monthly | Turbidity | 65.0 | NTU |
| Monitoring Point 10 | Daily during discharge | Conductivity | ND | µS/cm |  |
| Daily during discharge | Oil & Grease | ND | Visible |
| Daily during discharge | pH | ND | pH |
| Daily during discharge | Total Suspended Solids | ND | mg/L |
| Daily during discharge | Turbidity | ND | NTU |
| Further Historical monitoring data relating to surface water can be found in the associated Annual Reviews for each year. Location of the Dunmore Quarry Annual Reviews can be found at <https://www.boral.com.au/locations/boral-dunmore-operations> | | | | | |

**Dunmore Quarry Monitoring Locations.**

