

Dunmore Lakes Sand Project

Environmental Monitoring Report

July 2020

Date Published: September 2020



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 11147 (EPL 11147 – Boral Dunmore Lakes Sand Project)

This report provides environmental monitoring data for Dunmore Lakes Sand Project for the period of July 2016 to July 2020.

|  |  |
| --- | --- |
| Dunmore Lakes Sand Project Information | |
| Premise Details | Boral – Dunmore Lakes Sand Project |
| Address | Princes Highway, Dunmore NSW, 2529 |
| Licensee | Boral Resources (NSW) PTY LTD |
| EPL No | 11147 |
| EPL Location | [http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33270&SYSUID=1&LICID=11147](http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33270&SYSUID=1&LICID=77) |

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

* Deposited Dust
* Water Quality

Air Quality

Air Quality Monitoring is conducted as per condition M2.2 of EPL 11147. The air quality results for the reporting period are tabled below.

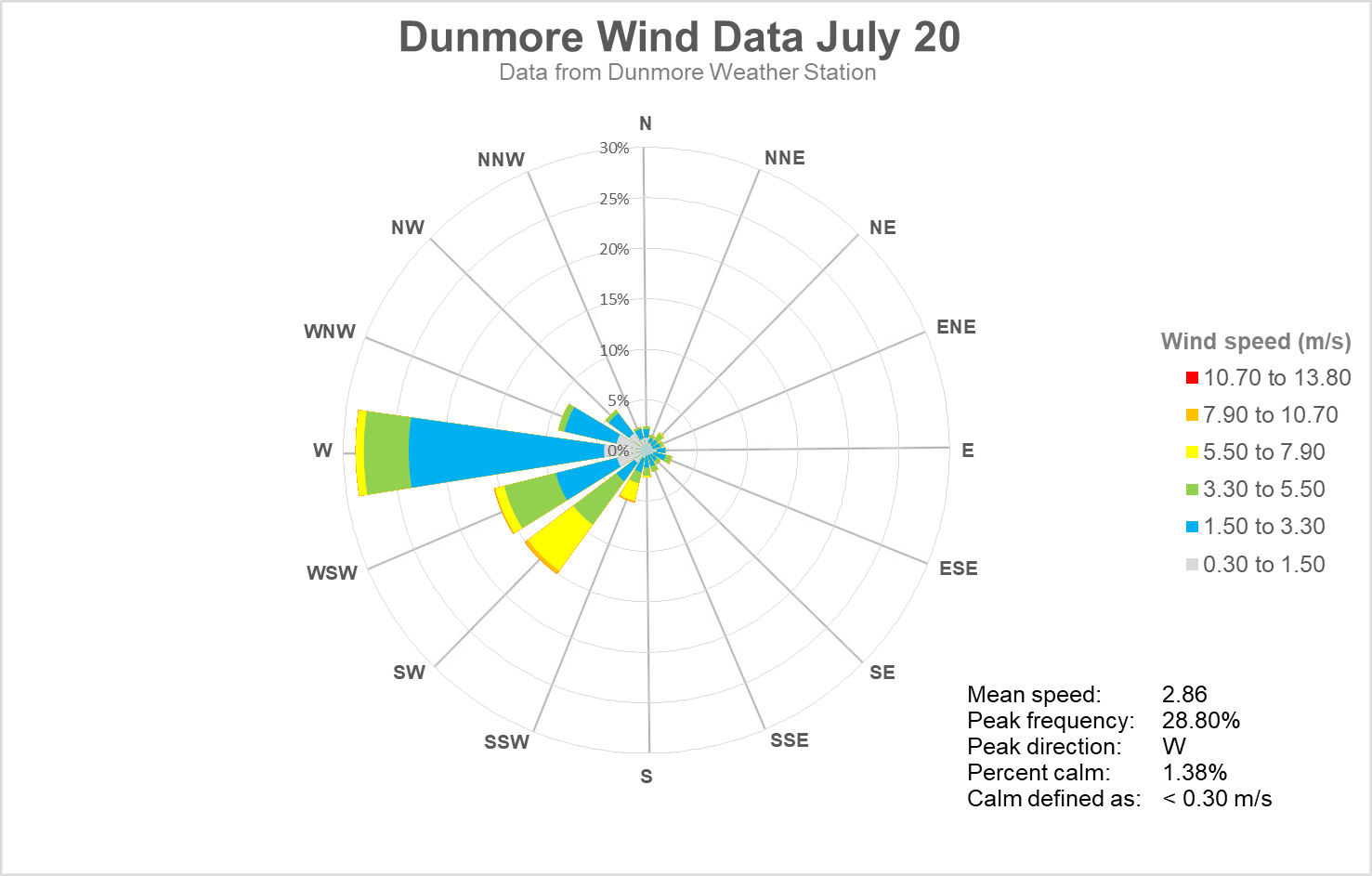
Deposited Dust

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sample Period: | July 2020 | |  |  |
| Date received: | 27/08/2020 |  |  |  |
| Licensee: | Dunmore Lakes Sand Project | |  |  |
| Licensee Address: | Princes Hwy, Dunmore NSW 2529 | | | |
| EPL No: | 11147 |  | |  |
|  |  |  |  |  |
| **Qualifications related to Dust** | |  |  |  |
| Air Emissions Monitoring - Dust Deposition Gauge | | | | |
| **Results** |  |  |  |  |
| **Location** | **Monitoring Frequency** | **Pollutant** | **Measurement** | **Unit** |
| Monitoring Point 2 (DD2) | Monthly | Ash | 4.28 | g/m²/month |
| Combustible Solids | 0.70 | g/m²/month |
| Insoluble Solids | 4.89 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 0.78 | g/m²/month |
| Combustible Solids | 1.89 | g/m²/month |
| Insoluble Solids | 2.67 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 1.03 | g/m²/month |
| Combustible Solids | 0.66 | g/m²/month |
| Insoluble Solids | 1.69 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 1.40 | g/m²/month |
| Combustible Solids | 0.15 | g/m²/month |
| Insoluble Solids | 1.54 | g/m²/month |

Monitoring Point 2 had a measured insoluble solids and ash content above 4 g/m²/month for July. Despite this elevated reading, the rolling annual average for the insoluble solids fraction was 3.02 g/m²/month and is therefore compliant with EPL 11147 and DA 195-8-2004 limits.

During July the wind was predominantly from the W, WSW and SW which is not from the general direction of the Dunmore operations at monitoring point 2 (located S of Dunmore operations).





MP 3 with dominant wind directions shown

**Historical Deposited Dust Data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Location** | **Month** | **Pollutant** | **Measurement** | **Unit** | **Comments** |
| Monitoring Point 2 (DD2) | June 2020 | Ash | 0.70 | g/m²/month | The deposited dust data for the reporting period range from 1.05 g/m2/month of insoluble solids at Monitoring Point 8, to 0.76 g/m2/month of insoluble solids at Monitoring Point 4. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Combustible Solids | 0.33 | g/m²/month |
| Insoluble Solids | 1.03 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 0.42 | g/m²/month |
| Combustible Solids | 0.35 | g/m²/month |
| Insoluble Solids | 0.76 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 0.46 | g/m²/month |
| Combustible Solids | 0.41 | g/m²/month |
| Insoluble Solids | 0.87 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 0.59 | g/m²/month |
| Combustible Solids | 0.45 | g/m²/month |
| Insoluble Solids | 1.05 | g/m²/month |
| Monitoring Point 2 (DD2) | May 2020 | Ash | 1.04 | g/m²/month | The deposited dust data for the reporting period range from 1.34 g/m2/month of insoluble solids at Monitoring Point 4, to 0.79 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Combustible Solids | 0.14 | g/m²/month |
| Insoluble Solids | 1.18 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 1.03 | g/m²/month |
| Combustible Solids | 0.30 | g/m²/month |
| Insoluble Solids | 1.34 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 0.67 | g/m²/month |
| Combustible Solids | 0.12 | g/m²/month |
| Insoluble Solids | 0.79 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 0.63 | g/m²/month |
| Combustible Solids | 0.24 | g/m²/month |
| Insoluble Solids | 0.87 | g/m²/month |
| Monitoring Point 2 (DD2) | April 2020 | Ash | 1.06 | g/m²/month | The deposited dust data for the reporting period range from 1.99 g/m2/month of insoluble solids at Monitoring Point 2, to 1.40 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels |
| Combustible Solids | 0.92 | g/m²/month |
| Insoluble Solids | 1.99 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 0.99 | g/m²/month |
| Combustible Solids | 0.54 | g/m²/month |
| Insoluble Solids | 1.53 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 0.85 | g/m²/month |
| Combustible Solids | 0.55 | g/m²/month |
| Insoluble Solids | 1.40 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 1.05 | g/m²/month |
| Combustible Solids | 0.76 | g/m²/month |
| Insoluble Solids | 1.81 | g/m²/month |
| Monitoring Point 2 (DD2) | March 2020 | Ash | 1.05 | g/m²/month | The deposited dust data for the reporting period range from 2.17 g/m2/month of insoluble solids at Monitoring Point 6, to 1.44 g/m2/month of insoluble solids at Monitoring Point 5. Ash is considered a better indicator for the project’s contribution to local dust levels |
| Combustible Solids | 0.76 | g/m²/month |
| Insoluble Solids | 1.81 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 0.68 | g/m²/month |
| Combustible Solids | 0.76 | g/m²/month |
| Insoluble Solids | 1.44 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 1.20 | g/m²/month |
| Combustible Solids | 0.65 | g/m²/month |
| Insoluble Solids | 1.85 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 1.21 | g/m²/month |
| Combustible Solids | 0.96 | g/m²/month |
| Insoluble Solids | 2.17 | g/m²/month |
| Monitoring Point 2 (DD2) | February 2020 | Ash | 1.84 | g/m²/month | The deposited dust data for the reporting period range from 5.65 g/m2/month of insoluble solids at Monitoring Point 4, to 3.64 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels |
| Combustible Solids | 2.56 | g/m²/month |
| Insoluble Solids | 4.40 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 3.78 | g/m²/month |
| Combustible Solids | 1.87 | g/m²/month |
| Insoluble Solids | 5.65 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 2.26 | g/m²/month |
| Combustible Solids | 1.38 | g/m²/month |
| Insoluble Solids | 3.64 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 2.74 | g/m²/month |
| Combustible Solids | 1.77 | g/m²/month |
| Insoluble Solids | 4.43 | g/m²/month |
| Monitoring Point 2 (DD2) | January 2020 | Ash | 8.28 | g/m²/month | Samples were affected by Currowan Bushfire burning within the South Coast region and contaminated by a dust storm on 23/1/2020. This led to higher than average measured dust levels in January. |
| Combustible Solids | 1.92 | g/m²/month |
| Insoluble Solids | 10.20 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 7.19 | g/m²/month |
| Combustible Solids | 1.78 | g/m²/month |
| Insoluble Solids | 8.97 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 6.33 | g/m²/month |
| Combustible Solids | 1.81 | g/m²/month |
| Insoluble Solids | 8.14 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 8.51 | g/m²/month |
| Combustible Solids | 9.86 | g/m²/month |
| Insoluble Solids | 18.38 | g/m²/month |
| Monitoring Point 2 (DD2) | December 2019 | Ash | 1.27 | g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.50 g/m2/month of insoluble solids at Monitoring Point 8, to 1.79 g/m2/month of insoluble solids at Monitoring Point 4. Ash is considered a better indicator for the project’s contribution to local dust levels |
| Combustible Solids | 0.87 | g/m²/month |
| Insoluble Solids | 2.14 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 1.02 | g/m²/month |
| Combustible Solids | 0.77 | g/m²/month |
| Insoluble Solids | 1.79 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 1.10 | g/m²/month |
| Combustible Solids | 0.74 | g/m²/month |
| Insoluble Solids | 1.84 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 1.43 | g/m²/month |
| Combustible Solids | 1.07 | g/m²/month |
| Insoluble Solids | 2.50 | g/m²/month |
| Monitoring Point 2 (DD2) | November 2019 | Ash | 2.52 | g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 3.33 g/m2/month of insoluble solids at Monitoring Point 8, to 2.16 g/m2/month of insoluble solids at Monitoring Point 10. Ash is considered a better indicator for the project’s contribution to local dust levels |
| Combustible Solids | 0.32 | g/m²/month |
| Insoluble Solids | 2.84 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 2.31 | g/m²/month |
| Combustible Solids | 0.46 | g/m²/month |
| Insoluble Solids | 2.77 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 1.91 | g/m²/month |
| Combustible Solids | 0.25 | g/m²/month |
| Insoluble Solids | 2.16 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 2.95 | g/m²/month |
| Combustible Solids | 0.38 | g/m²/month |
| Insoluble Solids | 3.33 | g/m²/month |
| Monitoring Point 2 (DD2) | October 2019 | Ash | 1.18 | g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.19 g/m2/month of insoluble solids at Monitoring Point 2, to 0.44 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels |
| Combustible Solids | 1.02 | g/m²/month |
| Insoluble Solids | 2.19 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 0.91 | g/m²/month |
| Combustible Solids | 1.46 | g/m²/month |
| Insoluble Solids | 0.52 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 0.91 | g/m²/month |
| Combustible Solids | 1.24 | g/m²/month |
| Insoluble Solids | 0.33 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 0.98 | g/m²/month |
| Combustible Solids | 1.42 | g/m²/month |
| Insoluble Solids | 0.44 | g/m²/month |
| Monitoring Point 2 (DD2) | September 2019 | Ash | 1.51 | g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.93 g/m2/month of insoluble solids at Monitoring Point 4, to 0.50 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels |
| Combustible Solids | 0.50 | g/m²/month |
| Insoluble Solids | 2.01 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 1.96 | g/m²/month |
| Combustible Solids | 0.97 | g/m²/month |
| Insoluble Solids | 2.93 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 0.46 | g/m²/month |
| Combustible Solids | 0.04 | g/m²/month |
| Insoluble Solids | 0.50 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 0.99 | g/m²/month |
| Combustible Solids | 0.26 | g/m²/month |
| Insoluble Solids | 1.24 | g/m²/month |
| Monitoring Point 2 (DD2) | August 2019 | Ash | 1.14 | g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.40 g/m2/month of insoluble solids at Monitoring Point 7, to 1.37 g/m2/month of insoluble solids at Monitoring Point 4. Ash is considered a better indicator for the project’s contribution to local dust levels |
| Combustible Solids | 0.53 | g/m²/month |
| Insoluble Solids | 1.67 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 1.05 | g/m²/month |
| Combustible Solids | 0.32 | g/m²/month |
| Insoluble Solids | 1.37 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 1.72 | g/m²/month |
| Combustible Solids | 0.68 | g/m²/month |
| Insoluble Solids | 2.40 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 1.06 | g/m²/month |
| Combustible Solids | 0.97 | g/m²/month |
| Insoluble Solids | 2.03 | g/m²/month |
| Monitoring Point 2 (DD2) | July 2019 | Ash | 0.57 | g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 1.34 g/m2/month of insoluble solids at Monitoring Point 8, to 0.31 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels |
| Combustible Solids | 0.03 | g/m²/month |
| Insoluble Solids | 0.60 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 0.19 | g/m²/month |
| Combustible Solids | 0.13 | g/m²/month |
| Insoluble Solids | 0.32 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 0.30 | g/m²/month |
| Combustible Solids | 0.01 | g/m²/month |
| Insoluble Solids | 0.31 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 1.16 | g/m²/month |
| Combustible Solids | 0.18 | g/m²/month |
| Insoluble Solids | 1.34 | g/m²/month |
| Monitoring Point 2 (DD2) | June 2019 | Ash | 1.09 | g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.86 g/m2/month of insoluble solids at Monitoring Point 2, to 1.54 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels |
| Combustible Solids | 1.77 | g/m²/month |
| Insoluble Solids | 2.86 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 1.10 | g/m²/month |
| Combustible Solids | 1.76 | g/m²/month |
| Insoluble Solids | 2.80 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 0.74 | g/m²/month |
| Combustible Solids | 0.80 | g/m²/month |
| Insoluble Solids | 1.54 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 1.01 | g/m²/month |
| Combustible Solids | 0.72 | g/m²/month |
| Insoluble Solids | 2.73 | g/m²/month |
| Monitoring Point 2 (DD2) | May 2019 | Ash | 1.58 | g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.33 g/m2/month of insoluble solids at Monitoring Point 2, to 1.15 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels |
| Combustible Solids | 0.76 | g/m²/month |
| Insoluble Solids | 2.33 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 0.75 | g/m²/month |
| Combustible Solids | 0.52 | g/m²/month |
| Insoluble Solids | 1.27 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 0.44 | g/m²/month |
| Combustible Solids | 0.72 | g/m²/month |
| Insoluble Solids | 1.15 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 0.73 | g/m²/month |
| Combustible Solids | 0.65 | g/m²/month |
| Insoluble Solids | 1.38 | g/m²/month |
| Monitoring Point 2 (DD2) | April 2019 | Ash | 1.09 | g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 3.28 g/m2/month of insoluble solids at Monitoring Point 2, to 2.31 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Combustible Solids | 2.19 | g/m²/month |
| Insoluble Solids | 3.28 | g/m²/month |
| Monitoring Point 4 (DD5) | Ash | 1.01 | g/m²/month |
| Combustible Solids | 0.53 | g/m²/month |
| Insoluble Solids | 1.54 | g/m²/month |
| Monitoring Point 7 (DD10) | Ash | 1.23 | g/m²/month |
| Combustible Solids | 1.09 | g/m²/month |
| Insoluble Solids | 2.31 | g/m²/month |
| Monitoring Point 8 (DD6) | Ash | 0.92 | g/m²/month |
| Combustible Solids | 0.96 | g/m²/month |
| Insoluble Solids | 1.88 | g/m²/month |
| Monitoring Point 2 (DD2) | March 2019 | Ash  Combustible Solids  Insoluble Solids | 1.76  2.09  3.85 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 3.98 g/m2/month of insoluble solids at Monitoring Point 4, to 3.50 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 1.69  2.29  3.98 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.70  1.80  3.50 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 1.72  1.89  3.61 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | February 2019 | Ash  Combustible Solids  Insoluble Solids | 4.40  4.22  8.62 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 8.62 g/m2/month of insoluble solids at Monitoring Point 2, to 4.02 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 3.13  1.58  4.71 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 2.36  1.66  4.02 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 2.88  1.55  4.43 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | January 2019 | Ash  Combustible Solids  Insoluble Solids | 2.82  1.11  3.93 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 4.05 g/m2/month of insoluble solids at Monitoring Point 8, to 2.24 g/m2/month of insoluble solids at Monitoring Point 4. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 1.96  0.28  2.24 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 2.34  0.37  2.71 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 2.73  1.32  4.05 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | December 2018 | Ash  Combustible Solids  Insoluble Solids | 2.14  2.16  4.30 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 4.38 g/m2/month of insoluble solids at Monitoring Point 4, to 0.71 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 2.40  1.98  4.38 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 0.45  0.26  0.71 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 1.50  0.87  2.37 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | November 2018 | Ash  Combustible Solids  Insoluble Solids | 2.24  1.05  3.29 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 4.47 g/m2/month of insoluble solids at Monitoring Point 7, to 3.20 g/m2/month of insoluble solids at Monitoring Point 4. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 2.11  1.09  3.20 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 2.43  2.04  4.47 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 2.39  1.32  3.71 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | October 2018 | Ash  Combustible Solids  Insoluble Solids | 2.39  0.64  3.03 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 3.03 g/m2/month of insoluble solids at Monitoring Point 2, to 1.92 g/m2/month of insoluble solids at Monitoring Point 4. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 1.24  0.68  1.92 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.05  1.52  2.57 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 1.41  0.68  2.09 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | September 2018 | Ash  Combustible Solids  Insoluble Solids | 1.69  1.11  2.80 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 4.43 g/m2/month of insoluble solids at Monitoring Point 8, to 2.80 g/m2/month of insoluble solids at Monitoring Point 2. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 2.09  1.61  3.70 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.73  1.14  2.87 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 2.58  1.75  4.33 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | August 2018 | Ash  Combustible Solids  Insoluble Solids | 2.33  1.90  4.23 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 4.95 g/m2/month of insoluble solids at Monitoring Point 7, to 3.72 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 3.07  1.85  4.92 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 2.32  2.63  4.95 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 2.27  1.45  3.72 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | July 2018 | Ash  Combustible Solids  Insoluble Solids | 1.53  0.14  1.67 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.50 g/m2/month of insoluble solids at Monitoring Point 4, to 1.67 g/m2/month of insoluble solids at Monitoring Point 2. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 2.23  0.27  2.50 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 2.06  0.40  2.46 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 1.87  0.26  2.13 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | June 2018 | Ash  Combustible Solids  Insoluble Solids | 1.17  0.43  1.60 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.78 g/m2/month of insoluble solids at Monitoring Point 7, to 1.60 g/m2/month of insoluble solids at Monitoring Point 2. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 1.53  0.19  1.72 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.63  1.15  2.78 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 1.57  0.23  1.80 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | May 2018 | Ash  Combustible Solids  Insoluble Solids | 1.48  0.51  1.98 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 1.72 g/m2/month of insoluble solids at Monitoring Point 7, to 2.97 g/m2/month of insoluble solids at Monitoring Point 4. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 2.14  0.83  2.97 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 0.85  0.87  1.72 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 1.73  1.07  2.80 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | April 2018 | Ash  Combustible Solids  Insoluble Solids | 2.40  0.31  2.70 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.60 g/m2/month of insoluble solids at Monitoring Point 8, to 2.74 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 2.63  0.05  2.69 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 2.39  0.35  2.74 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 2.39  0.21  2.60 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | March 2018 | Ash  Combustible Solids  Insoluble Solids | 1.74  0.98  2.72 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 4.21 g/m2/month of insoluble solids at Monitoring Point 7, to 2.33 g/m2/month of insoluble solids at Monitoring Point 4. Ash is considered a better indicator for the project’s contribution to local dust levels |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 1.76  0.58  2.33 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.91  2.29  4.21 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 2.16  0.73  2.90 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | February 2018 | Ash  Combustible Solids  Insoluble Solids | 1.62  1.21  2.83 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 1.38 g/m2/month of insoluble solids at Monitoring Point 5, to 2.83 g/m2/month of insoluble solids at Monitoring Point 2. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 1.13  0.25  1.38 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.35  0.54  1.89 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 1.66  0.59  2.25 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | January 2018 | Ash  Combustible Solids  Insoluble Solids | 1.84  0.39  2.22 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 1.47 g/m2/month of insoluble solids at Monitoring Point 7, to 2.70 g/m2/month of insoluble solids at Monitoring Point 4. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 2.48  0.22  2.70 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.23  0.25  1.47 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 1.70  0.75  2.45 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | December 2017 | Ash  Combustible Solids  Insoluble Solids | 1.75  0.49  2.24 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.24 g/m2/month of insoluble solids at Monitoring Point 2, to 3.43 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 1.73  0.79  2.52 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.66  0.82  2.47 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 1.86  1.57  3.43 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | November 2017 | Ash  Combustible Solids  Insoluble Solids | 0.70  0.22  0.92 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 0.92 g/m2/month of insoluble solids at Monitoring Point 2, to 1.89 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 1.20  0.49  1.69 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.19  0.58  1.77 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 1.38  0.51  1.89 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 | October 2017 | Ash  Combustible Solids  Insoluble Solids | 2.15  1.57  3.72 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.06 g/m2/month of insoluble solids at Monitoring Point 4, to 6.89 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 | Ash  Combustible Solids  Insoluble Solids | 1.85  1.82  3.67 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 | Ash  Combustible Solids  Insoluble Solids | 2.16  1.33  3.49 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 | Ash  Combustible Solids  Insoluble Solids | 2.53  1.66  4.19 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 | September 2017 | Ash  Combustible Solids  Insoluble Solids | 2.33  1.86  4.19 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.06 g/m2/month of insoluble solids at Monitoring Point 4, to 6.89 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 | Ash  Combustible Solids  Insoluble Solids | 1.78  0.27  2.06 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 | Ash  Combustible Solids  Insoluble Solids | 4.04  2.86  6.89 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 | Ash  Combustible Solids  Insoluble Solids | 2.56  2.27  4.83 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 | August 2017 | Ash  Combustible Solids  Insoluble Solids | 0.95  0.47  1.43 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 0.89 g/m2/month of insoluble solids at Monitoring Point 8, to 2.84 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 | Ash  Combustible Solids  Insoluble Solids | 1.66  0.51  2.18 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 | Ash  Combustible Solids  Insoluble Solids | 1.58  1.26  2.84 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 | Ash  Combustible Solids  Insoluble Solids | 0.6  0.29  0.89 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 | July 2017 | Ash  Combustible Solids  Insoluble Solids | 1.65  0.1  1.80 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 1.76 g/m2/month of insoluble solids at Monitoring Point 7, to 2.54 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 | Ash  Combustible Solids  Insoluble Solids | 1.44  0.44  1.88 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 | Ash  Combustible Solids  Insoluble Solids | 1.53  0.23  1.76 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 | Ash  Combustible Solids  Insoluble Solids | 2.4  0.14  2.54 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 | June 2017 | Ash  Combustible Solids  Insoluble Solids | 1.32  0.35  1.67 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 1.67 g/m2/month of insoluble solids at Monitoring Point 2, to 3.74 g/m2/month of insoluble solids at Monitoring Point 7. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 | Ash  Combustible Solids  Insoluble Solids | 1.25  0.45  1.7 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 | Ash  Combustible Solids  Insoluble Solids | 2.1  1.64  3.74 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 | Ash  Combustible Solids  Insoluble Solids | 1.36  0.6  1.97 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 | May 2017 | Ash  Combustible Solids  Insoluble Solids | 1.18  0.67  1.85 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 1.74 g/m2/month of insoluble solids at Monitoring Point 7, to 4.24 g/m2/month of insoluble solids at Monitoring Point 4. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 | Ash  Combustible Solids  Insoluble Solids | 2.20  2.04  4.24 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 | Ash  Combustible Solids  Insoluble Solids | 1.16  0.58  1.74 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 | Ash  Combustible Solids  Insoluble Solids | 1.6  0.98  2.58 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 | April 2017 | Ash  Combustible Solids  Insoluble Solids | 0.79  0.8  1.58 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 0.62 g/m2/month of insoluble solids at Monitoring Point 8, to 1.58 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 | Ash  Combustible Solids  Insoluble Solids | 0.52  0.11  0.63 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 | Ash  Combustible Solids  Insoluble Solids | 0.66  0.15  0.82 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 | Ash  Combustible Solids  Insoluble Solids | 0.17  0.45  0.62 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 | March 2017 | Ash  Combustible Solids  Insoluble Solids | 0.79  0.80  1.58 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 0.62 g/m2/month of insoluble solids at Monitoring Point 8, to 1.58 g/m2/month of insoluble solids at Monitoring Point 2. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 | Ash  Combustible Solids  Insoluble Solids | 0.52  0.11  0.63 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 | Ash  Combustible Solids  Insoluble Solids | 0.81  1.01  0.82 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 | Ash  Combustible Solids  Insoluble Solids | 0.17  0.45  0.62 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 | February 2017 | Ash  Combustible Solids  Insoluble Solids | 1.08  0.26  1.34 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 0.31 g/m2/month of insoluble solids at Monitoring Point 7, to 1.71 g/m2/month of insoluble solids at Monitoring Point 3. Ash is considered a better indicator for the project’s contribution to local dust levels. |
| Monitoring Point 4 | Ash  Combustible Solids  Insoluble Solids | 1.54  0.17  1.71 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 | Ash  Combustible Solids  Insoluble Solids | 0.10  0.21  0.31 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 | Ash  Combustible Solids  Insoluble Solids | 0.68  0.05  0.72 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 | January 2017 | Ash  Combustible Solids  Insoluble Solids | 2.01  0.36  2.37 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.22 g/m2/month of insoluble solids at Monitoring Point 7, to 6.31 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels. The ash level for monitoring point 8 was 3.39 g/m2/month. |
| Monitoring Point 4 | Ash  Combustible Solids  Insoluble Solids | 2.20  1.08  3.28 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 | Ash  Combustible Solids  Insoluble Solids | 1.61  0.60  2.22 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 | Ash  Combustible Solids  Insoluble Solids | 3.39  2.91  6.31 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | December 2016 | Ash  Combustible Solids  Insoluble Solids | 2.01  0.36  2.37 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.22 g/m2/month of insoluble solids at Monitoring Point 7, to 6.31 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels. The ash level for monitoring point 8 was 3.39 g/m2/month. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 2.20  1.08  3.28 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.61  0.60  2.22 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 3.39  2.91  6.31 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | November 2016 | Ash  Combustible Solids  Insoluble Solids | 2.01  0.36  2.37 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.22 g/m2/month of insoluble solids at Monitoring Point 7, to 6.31 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels. The ash level for monitoring point 8 was 3.39 g/m2/month. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 2.20  1.08  3.28 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.61  0.60  2.22 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 3.39  2.91  6.31 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | October 2016 | Ash  Combustible Solids  Insoluble Solids | 2.01  0.36  2.37 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.22 g/m2/month of insoluble solids at Monitoring Point 7, to 6.31 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels. The ash level for monitoring point 8 was 3.39 g/m2/month. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 2.20  1.08  3.28 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.61  0.60  2.22 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 3.39  2.91  6.31 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | September 2016 | Ash  Combustible Solids  Insoluble Solids | 2.01  0.36  2.37 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.22 g/m2/month of insoluble solids at Monitoring Point 7, to 6.31 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels. The ash level for monitoring point 8 was 3.39 g/m2/month. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 2.20  1.08  3.28 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.61  0.60  2.22 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 3.39  2.91  6.31 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | August 2016 | Ash  Combustible Solids  Insoluble Solids | 2.01  0.36  2.37 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.22 g/m2/month of insoluble solids at Monitoring Point 7, to 6.31 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels. The ash level for monitoring point 8 was 3.39 g/m2/month. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 2.20  1.08  3.28 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.61  0.60  2.22 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 3.39  2.91  6.31 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 2 (DD2) | July 2016 | Ash  Combustible Solids  Insoluble Solids | 2.01  0.36  2.37 | g/m²/month  g/m²/month  g/m²/month | The deposited dust data for the reporting period indicates that the deposited dust results range from 2.22 g/m2/month of insoluble solids at Monitoring Point 7, to 6.31 g/m2/month of insoluble solids at Monitoring Point 8. Ash is considered a better indicator for the project’s contribution to local dust levels. The ash level for monitoring point 8 was 3.39 g/m2/month. |
| Monitoring Point 4 (DD5) | Ash  Combustible Solids  Insoluble Solids | 2.20  1.08  3.28 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 7 (DD10) | Ash  Combustible Solids  Insoluble Solids | 1.61  0.60  2.22 | g/m²/month  g/m²/month  g/m²/month |
| Monitoring Point 8 (DD6) | Ash  Combustible Solids  Insoluble Solids | 3.39  2.91  6.31 | g/m²/month  g/m²/month  g/m²/month |

Water Monitoring

Water Quality Monitoring is conducted as per condition M2.3 of EPL 11147. The water quality results for the reporting period are tabled below.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample Period: | July 2020 | | | | |  | |  | | | | |  | | |  |  | |
| Licensee: | Dunmore Lakes Sand Project | | | | |  | |  | | | | |  | | |  |  | |
| Licensee Address: | Princes Hwy, Dunmore NSW 2529 | | | | |  | | | |  | |  | | |
| EPL No: | 11147 | | |  | | |  | |  | |  | | |
|  |  | | |  | | |  | |  | |  | | |
|  | | |  | |
| **Location** | | **Monitoring Frequency** | | **Results received** | | | **Pollutant** | | **Measurement** | | **Unit** | | | **Comments** | | | |
| Monitoring Point 9 DW20b | | 15 July 2020 (monthly) | | 18 August 2020 | | | pH  Total suspended solids  Turbidity | | 7.8  12  10 | | pH  mg/L  NTU | | |  | | | |
| Monitoring Point 10 DW21b | | 15 July 2020 (monthly) | | 18 August 2020 | | | pH  Total suspended solids  Turbidity | | NA  NA  NA | | pH  mg/L  NTU | | | Not yet activated by DLSP operations | | | |
| Monitoring Point 11 EPL12 | | 15 July 2020 (monthly) | | 18 August 2020 | | | pH  Total suspended solids  Turbidity | | 7.2  3  12 | | pH  mg/L  NTU | | | Upstream water quality data | | | |
| Monitoring Point 12 EPL11 | | 15 July 2020 (monthly) | | 18 August 2020 | | | pH  Total suspended solids  Turbidity | | 6.4  52  100 | | pH  mg/L  NTU | | | Upstream water quality data | | | |
| Monitoring Point 18 EPL13 | | 15 July 2020 (monthly) | | 18 August 2020 | | | pH  Total suspended solids  Turbidity | | 7.1  6.0  5.9 | | pH  mg/L  NTU | | | Upstream water quality data | | | |
| Monitoring Point 9 DW20b | | 27 July 2020 (50mm) | | 24 August 2020 | | | pH  Total suspended solids  Turbidity | | 8.1  14  15 | | pH  mg/L  NTU | | |  | | | |
| Monitoring Point 10 DW21b | | 27 July 2020 (50mm) | | 24 August 2020 | | | pH  Total suspended solids  Turbidity | | NA  NA  NA | | pH  mg/L  NTU | | | Not yet activated by DLSP operations | | | |
| Monitoring Point 11 EPL12 | | 27 July 2020 (50mm) | | 24 August 2020 | | | pH  Total suspended solids  Turbidity | | 7.2  3  12 | | pH  mg/L  NTU | | | Upstream water quality data | | | |
| Monitoring Point 12 EPL11 | | 27 July 2020 (50mm) | | 24 August 2020 | | | pH  Total suspended solids  Turbidity | | 6.4  52  100 | | pH  mg/L  NTU | | | Upstream water quality data | | | |
| Monitoring Point 18 EPL13 | | 27 July 2020 (50mm) | | 24 August 2020 | | | pH  Total suspended solids  Turbidity | | 8.1  33  35 | | pH  mg/L  NTU | | | Upstream water quality data | | | |
| Monitoring Point 9 DW20b | | 29 July 2020 (50mm) | | 24 August 2020 | | | pH  Total suspended solids  Turbidity | | 7.6  10  30 | | pH  mg/L  NTU | | |  | | | |
| Monitoring Point 10 DW21b | | 29 July 2020 (50mm) | | 24 August 2020 | | | pH  Total suspended solids  Turbidity | | NA  NA  NA | | pH  mg/L  NTU | | | Not yet activated by DLSP operations | | | |
| Monitoring Point 11 EPL12 | | 29 July 2020 (50mm) | | 24 August 2020 | | | pH  Total suspended solids  Turbidity | | 7.5  4  9 | | pH  mg/L  NTU | | | Upstream water quality data | | | |
| Monitoring Point 12 EPL11 | | 29 July 2020 (50mm) | | 24 August 2020 | | | pH  Total suspended solids  Turbidity | | 6.5  10  26 | | pH  mg/L  NTU | | | Upstream water quality data | | | |
| Monitoring Point 18 EPL13 | | 29 July 2020 (50mm) | | 24 August 2020 | | | pH  Total suspended solids  Turbidity | | 6.7  6  11 | | pH  mg/L  NTU | | | Upstream water quality data | | | |

ND: No discharge from sampling site

NA: Not yet activated by operations

There were two instances where 50 mm or more of rainfall was received at the premises within a 48 hour period in July (27/7/2020 and 28/7/2020).

The site was unable to be accessed on the 28th of July, 2020 due to safety concerns and flash flooding. As per note 2 within condition M2.3 the site notified the EPA and undertook sampling as soon as it was safe to do so on 29th of July, 2020.

In December 2019 a variation to EPL11147 was approved for special frequency sampling to occur after 50mm of rainfall in 48 hours rather than the previous 20mm in 24 hours.

**Historical Water Monitoring Data**

| **Location** | **Date** | **Pollutant** | **Measurement** | **Unit** | **Comments** |
| --- | --- | --- | --- | --- | --- |
| Monitoring Point 9 DW20b | 26 June 20 (monthly) | pH  Total suspended solids  Turbidity | 8.0  8.0  6.8 | pH  mg/L  NTU | There was no instance in June where 50 mm or more of rainfall was received at the premises within a 48 hour period. |
| Monitoring Point 10 DW21b | 26 June 20 (monthly) | pH  Total suspended solids  Turbidity | NA  NA  NA | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 26 June 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 26 June 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL 13 | 26 June 20 (monthly) | pH  Total suspended solids  Turbidity | 7.0  149  4.1 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 22 May 20 (monthly) | pH  Total suspended solids  Turbidity | 7.9  14  8.3 | pH  mg/L  NTU | There was no instance in May where 50 mm or more of rainfall was received at the premises within a 48 hour period. |
| Monitoring Point 10 DW21b | 22 May 20 (monthly) | pH  Total suspended solids  Turbidity | NA  NA  NA | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 22 May 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 22 May 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 22 May 20 (monthly) | pH  Total suspended solids  Turbidity | 7.2  5.0  5.8 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 30 April 20 (monthly) | pH  Total suspended solids  Turbidity | 7.5  12  5.4 | pH  mg/L  NTU | There was no instance in April where 50 mm or more of rainfall was received at the premises within a 48 hour period. |
| Monitoring Point 10 DW21b | 30 April 20 (monthly) | pH  Total suspended solids  Turbidity | NA  NA  NA | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 30 April 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 30 April 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 30 April 20 (monthly) | pH  Total suspended solids  Turbidity | 7.8  21  14 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 23 Mar 20 (monthly) | pH  Total suspended solids  Turbidity | 7.6  4  4 | pH  mg/L  NTU | There was no instance in March where 50 mm or more of rainfall was received at the premises within a 48 hour period. |
| Monitoring Point 10 DW21b | 23 Mar 20 (monthly) | pH  Total suspended solids  Turbidity | NA  NA  NA | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 23 Mar 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 23 Mar 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 23 Mar 20 (monthly) | pH  Total suspended solids  Turbidity | 6.8  44  12 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 11 Feb 20 (50mm) | pH  Total suspended solids  Turbidity | 7.7  16  30.4 | pH  mg/L  NTU | There was two instances where 50 mm or more of rainfall was received at the premises within a 48 hour period in February (8/2/20 and 10/2/20.  The site was unable to be accessed on the 9th and 10th of February due to safety concerns and flash flooding.  As per note 2 within condition M2.3 the site notified the EPA and undertook sampling as soon as it was safe to do so on 11th of February. |
| Monitoring Point 10 DW21b | 11 Feb 20 (50mm) | pH  Total suspended solids  Turbidity | NA  NA  NA | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 11 Feb 20 (50mm) | pH  Total suspended solids  Turbidity | 7.2  5  3.3 | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 11 Feb 20 (50mm) | pH  Total suspended solids  Turbidity | 6.3  16  18.7 | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 11 Feb 20 (50mm) | pH  Total suspended solids  Turbidity | 6.7  5  4.3 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 25 Feb 20 (monthly) | pH  Total suspended solids  Turbidity | 7.7  22  5.1 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 25 Feb 20 (monthly) | pH  Total suspended solids  Turbidity | NA  NA  NA | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 25 Feb 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 25 Feb 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 25 Feb 20 (monthly) | pH  Total suspended solids  Turbidity | 6.8  50  15 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 30 Jan 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU | There was no instance in December where 50 mm or more of rainfall was received at the premises within a 48 hour period. No discharge at Monitoring Point 9 due to extended dry conditions. |
| Monitoring Point 10 DW21b | 30 Jan 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 30 Jan 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 30 Jan 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 30 Jan 20 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 11 Dec 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU | There was no instance in December where 50 mm or more of rainfall was received at the premises within a 48 hour period. No discharge at Monitoring Point 9 due to extended dry conditions. |
| Monitoring Point 10 DW21b | 11 Dec 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 11 Dec 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 11 Dec 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 11 Dec 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 21 Nov 2019 (monthly) | pH  Total suspended solids  Turbidity | 6.7  9  6.7 | pH  mg/L  NTU | There was no instance where 20mm or more of rainfall was received at the premises within a 24 hour period in November. |
| Monitoring Point 10 DW21b | 21 Nov 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 21 Nov 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 21 Nov 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 21 Nov 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 12 Oct 2019 (20mm) | pH  Total suspended solids  Turbidity | 8.2  8  6.4 | pH  mg/L  NTU | There was one instance where 20mm or more of rainfall was received at the premises within a 24 hour period in October. (12/10/19) |
| Monitoring Point 10 DW21b | 12 Oct 2019 (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 12 Oct 2019 (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 12 Oct 2019 (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 12 Oct 2019 (20mm) | pH  Total suspended solids  Turbidity | 6.9  5  21.9 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 24 Oct 2019 (monthly) | pH  Total suspended solids  Turbidity | 7.9  6  2.5 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 24 Oct 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 24 Oct 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 24 Oct 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 24 Oct 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 18 Sept 2019 (Monthly) | pH  Total suspended solids  Turbidity | 7.8  8  2.6 | pH  mg/L  NTU | There was one instance where 20mm or more of rainfall was received at the premises within a 24 hour period in September. (19/9/19) |
| Monitoring Point 10 DW21b | 18 Sept 2019 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 18 Sept 2019 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 18 Sept 2019 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 18 Sept 2019 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 19 Sept 2019 (20mm) | pH  Total suspended solids  Turbidity | 8.3  5  4.7 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 30 Aug 2019 (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 19 Sept 2019 (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 19 Sept 2019 (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 19 Sept 2019 (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 22 Aug 2019 (Monthly) | pH  Total suspended solids  Turbidity | 7.8  8  2.6 | pH  mg/L  NTU | There was one instance where 20mm or more of rainfall was received at the premises within a 24 hour period in August. (30/8/19) |
| Monitoring Point 9 DW20b | 22 Aug 2019 (Monthly) | pH  Total suspended solids  Turbidity | 7.8  8  2.6 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 22 Aug 2019 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 22 Aug 2019 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 22 Aug 2019 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 22 Aug 2019 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 30 Aug 2019 (20mm) | pH  Total suspended solids  Turbidity | 8.3  5  4.7 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 30 Aug 2019 (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 30 Aug 2019 (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 30 Aug 2019 (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 30 Aug 2019 (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 2 Aug 2019  (Monthly) | pH  Total suspended solids  Turbidity | 7.9  >5  1.6 | pH  mg/L  NTU | There was no instance where 20mm or more of rainfall was received at the premises within a 24 hour period in July |
| Monitoring Point 10 DW21b | 2 Aug 2019  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 2 Aug 2019  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 2 Aug 2019  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 2 Aug 2019  (Monthly) | pH  Total suspended solids  Turbidity | 7.0  22  15.9 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 2 July 2019  (Monthly) | pH  Total suspended solids  Turbidity | 8.0  6  3.4 | pH  mg/L  NTU | There was one instance where 20mm or more of rainfall was received at the premises within a 24 hour period in June. (4/6/19) |
| Monitoring Point 10 DW21b | 2 July 2019  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 2 July 2019  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 2 July 2019  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 2 July 2019  (Monthly) | pH  Total suspended solids  Turbidity | 7.5  10  9.9 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 4 June 2019 (20mm) | pH  Total suspended solids  Turbidity | 8.7  22  7 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 4 June 2019 (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 4 June 2019 (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 4 June 2019 (20mm) | pH  Total suspended solids  Turbidity | 7.12  122  29.2 | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 4 June 2019 (20mm) | pH  Total suspended solids  Turbidity | 7.21  24  13.6 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 4 June 2019 (Monthly) | pH  Total suspended solids  Turbidity | 8.7  22  7 | pH  mg/L  NTU | There was no instance where 20mm or more of rainfall was received at the premises within a 24 hour period in May |
| Monitoring Point 10 DW21b | 4 June 2019 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 4 June 2019 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 4 June 2019 (Monthly) | pH  Total suspended solids  Turbidity | 7.12  122  29.2 | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 4 June 2019 (Monthly) | pH  Total suspended solids  Turbidity | 7.21  24  13.6 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 2 May 2019 (Monthly) | pH  Total suspended solids  Turbidity | 8.1  23  10.2 | pH  mg/L  NTU | There was no instance where 20mm or more of rainfall was received at the premises within a 24 hour period in April. |
| Monitoring Point 10 DW21b | 2 May 2019 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 2 May 2019 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 2 May 2019 (Monthly) | pH  Total suspended solids  Turbidity | 8.18  200  4.8 | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 2 May 2019 (Monthly) | pH  Total suspended solids  Turbidity | 7.76  19  17.6 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 29 March 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU | The water quality data for the month of March 2019 indicates that there was four (4) instances where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| Monitoring Point 10 DW21b | 29 March 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 29 March 2019 (monthly) | pH  Total suspended solids  Turbidity | 7.1  15  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 29 March 2019 (monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 29 March 2019 (monthly) | pH  Total suspended solids  Turbidity | 7.2  18  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 19 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | 8.1  17  14.4 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 19 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 19 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 19 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | 5.9  7  33.2 | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 19 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 18 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | 8.2  20  10.3 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 18 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 18 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 18 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 18 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | 7.0  24  19.5 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 16 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | 7.9  30  13.2 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 16 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 16 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 16 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 16 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | 8.3  29  12.7 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 15 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | 8.1  23  10.2 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 15 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 15 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 15 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 15 March 2019 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 6 March 2019  (Monthly) | pH  Total suspended solids  Turbidity | 7.5  >5  3.8 | pH  mg/L  NTU | The water quality data for the month of February 2019 indicates that there were one instances where 20mm or more of rainfall was received at the premises within a 24 hour period |
| Monitoring Point 10 DW21b | 6 March 2019  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 6 March 2019  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 6 March 2019  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 6 March 2019  (Monthly) | pH  Total suspended solids  Turbidity | 7.1  <5  4.3 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 18 January 2019  (Monthly) | pH  Total suspended solids  Turbidity | 8.0  >5  2.5 | pH  mg/L  NTU | The water quality data for the month of January 2019 indicates that there were one instance where 20mm or more of rainfall was received at the premises within a 24 hour period |
| Monitoring Point 10 DW21b | 18 January 2019  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 18 January 2019  (Monthly) | pH  Total suspended solids  Turbidity | 7.0  55  12.3 | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 18 January 2019  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 18 January 2019  (Monthly) | pH  Total suspended solids  Turbidity | 7.1  11  6.9 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 6 January 2019  ( >20mm) | pH  Total suspended solids  Turbidity | 8.0  12  4.5 | pH  mg/L  NTU |  |
| Monitoring Point 10 DW21b | 6 January 2019  ( >20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 6 January 2019  ( >20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 6 January 2019  ( >20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 6 January 2019  ( >20mm) | pH  Total suspended solids  Turbidity | 7.3  16  21.6 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 15 December 2018  (20mm) | pH  Total suspended solids  Turbidity | 8.1  7  4.8 | pH  mg/L  NTU | The water quality data for the month of December 2018 indicates that there were one instances where 20mm or more of rainfall was received at the premises within a 24 hour period |
| Monitoring Point 10 DW21b | 15 December 2018  (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 15 December 2018  (20mm) | pH  Total suspended solids  Turbidity | 7.1  20  3.4 | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 15 December 2018  (20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 15 December 2018  (20mm) | pH  Total suspended solids  Turbidity | 7.4  <5  2.1 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 19 December 2018  (Monthly) | pH  Total suspended solids  Turbidity | 8.0  <5  3.8 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 19 December 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 19 December 2018  (Monthly) | pH  Total suspended solids  Turbidity | 7.1  >5  1.1 | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 19 December 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 19 December 2018  (Monthly) | pH  Total suspended solids  Turbidity | 7.1  <5  4.3 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 29 Nov 2018  Monthly and >20mm) | pH  Total suspended solids  Turbidity | 7.8  14  ND | pH  mg/L  NTU | The water quality data for the month of November 2018 indicates that there were two instances where 20mm or more of rainfall was received at the premises within a 24 hour period |
| Monitoring Point 10 DW21b | 29 Nov 2018  Monthly and >20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 29 Nov 2018  Monthly and >20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 29 Nov 2018  Monthly and >20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 29 Nov 2018  Monthly and >20mm) | pH  Total suspended solids  Turbidity | 7.8  18  11.8 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 8 Nov 2018  ( >20mm) | pH  Total suspended solids  Turbidity | 8.1  >5  6.4 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 8 Nov 2018  ( >20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 8 Nov 2018  ( >20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 8 Nov 2018  ( >20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 8 Nov 2018  ( >20mm) | pH  Total suspended solids  Turbidity | 7.8  13  35 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 5 Nov 2018  (Monthly) | pH  Total suspended solids  Turbidity | 7.6  8  6.6 | pH  mg/L  NTU | The water quality data for the month of October 2018 indicates that there was one instance where 20mm or more of rainfall was received at the premises within a 24 hour period |
| Monitoring Point 10 DW21b | 5 Nov 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 5 Nov 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 5 Nov 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 5 Nov 2018  (Monthly) | pH  Total suspended solids  Turbidity | 7.4  14  15.3 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 5 Oct 2018  (>20mm) | pH  Total suspended solids  Turbidity | 8.1  12  10 | pH  mg/L  NTU |  |
| Monitoring Point 10 DW21b | 5 Oct 2018  (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 5 Oct 2018  (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 5 Oct 2018  (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 5 Oct 2018  (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 4 Oct 2018  (Monthly) | pH  Total suspended solids  Turbidity | 7.8  <5  4 | pH  mg/L  NTU | The water quality data for the month of September 2018 indicates that there were no instances where 20mm or more of rainfall was received at the premises within a 24 hour period |
| Monitoring Point 10 DW21b | 4 Oct 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 4 Oct 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 4 Oct 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 4 Oct 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 5 Sept 2018  (Monthly) | pH  Total suspended solids  Turbidity | 8.2  >5  8.7 | pH  mg/L  NTU | The water quality data for the month of August 2018 indicates that there were one instances where 20mm or more of rainfall was received at the premises within a 24 hour period |
| Monitoring Point 10 DW21b | 5 Sept 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 5 Sept 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 5 Sept 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 5 Sept 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 6 Aug 2018 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU | The water quality data for the month of July 2018 indicates that there were no instances where 20mm or more of rainfall was received at the premises within a 24 hour period |
| Monitoring Point 10 DW21b | 6 Aug 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 6 Aug 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 6 Aug 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 6 Aug 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 28 June 2018  Monthly and >20mm) | pH  Total suspended solids  Turbidity | 7.8  18  12.6 | pH  mg/L  NTU | The water quality data for the month of June 2018 indicates that there were one instances where 20mm or more of rainfall was received at the premises within a 24 hour period |
| Monitoring Point 10 DW21b | 28 June 2018  Monthly and >20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 28 June 2018  Monthly and >20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 28 June 2018  Monthly and >20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 28 June 2018  Monthly and >20mm) | pH  Total suspended solids  Turbidity | 7.1  <5  4.3 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 1 June 2018  (Monthly) | pH  Total suspended solids  Turbidity | 7.9  <5  ND | pH  mg/L  NTU | The water quality data for the month of May 2018 indicates that there were no instances where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| Monitoring Point 10 DW21b | 1 June 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 1 June 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 1 June 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 1 June 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 1 May 2018 (Monthly) | pH  Total suspended solids  Turbidity | 7.7  16  ND | pH  mg/L  NTU | The water quality data for the month of April 2018 indicates that there were no instances where 20mm or more of rainfall was received at the premises within a 24 hour period |
| Monitoring Point 10 DW21b | 1 May 2018 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 1 May 2018 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 1 May 2018 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 1 May 2018 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 29 March 2018 (Monthly) | pH  Total suspended solids  Turbidity | 7.5  7  9.0 | pH  mg/L  NTU | The water quality data for the month of March 2018 indicates that there were no instances where 20mm or more of rainfall was received at the premises within a 24 hour period |
| Monitoring Point 10 DW21b | 29 March 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 29 March 2018 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 29 March 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 29 March 2018  (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 5 March 2018 (Monthly) | pH  Total suspended solids  Turbidity | 7.9  9  ND | pH  mg/L  NTU | The water quality data for the month of February 2018 indicates that there were 2 instances where 20mm or more of rainfall was received at the premises within a 24 hour period |
| Monitoring Point 10 DW21b | 5 March 2018 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 5 March 2018 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 5 March 2018 (Monthly) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 5 March 2018 (Monthly) | pH  Total suspended solids  Turbidity | 6.8  16  10.0 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 26 February 2018  (>20mm) | pH  Total suspended solids  Turbidity | 7.81  8  12.9 | pH  mg/L  NTU |  |
| Monitoring Point 10 DW21b | 26 February 2018  (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 26 February 2018  (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 26 February 2018  (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 26 February 2018  (>20mm) | pH  Total suspended solids  Turbidity | 7.62  42  28.6 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 20 February 2018 (>20mm) | pH  Total suspended solids  Turbidity | 6.7  <5  21.7 | pH  mg/L  NTU |  |
| Monitoring Point 10 DW21b | 20 February 2018 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 20 February 2018 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 20 February 2018 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 20 February 2018 (>20mm) | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 31 January 2018 | pH  Total suspended solids  Turbidity | 7.3  14  ND | pH  mg/L  NTU | The water quality data for the month of January 2018 indicates that there were no instances where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| Monitoring Point 10 DW21b | 31 January 2018 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 31 January 2018 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 31 January 2018 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 31 January 2018 | pH  Total suspended solids  Turbidity | 7.8  20  13.4 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | December 2017 | pH  Total suspended solids  Turbidity | 7.4  10  ND | pH  mg/L  NTU | The water quality data for the month of December 2018 indicates that there were no instances where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| Monitoring Point 10 DW21b | December 2017 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | December 2017 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | December 2017 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | December 2017 | pH  Total suspended solids  Turbidity | 7.1  28  15.5 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 18 November 2017 | pH  Total suspended solids  Turbidity | 6.6  83  82.2 | pH  mg/L  NTU | The water quality data for the month of November 2017 indicates that there was 1 instance where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| Monitoring Point 10 DW21b | 18 November 2017 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 18 November 2017 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 18 November 2017 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 18 November 2017 | pH  Total suspended solids  Turbidity | 6.5  91  77.5 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 7 November 2017 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU | The water quality data for the month of October 2017 indicates that there was 1 instance where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| Monitoring Point 10 DW21b | 7 November 2017 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 7 November 2017 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 7 November 2017 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 7 November 2017 | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b |  | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU | The water quality data for the month of October 2017 indicates that there was 1 instance where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| Monitoring Point 10 DW21b |  | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 |  | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 |  | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 |  | pH  Total suspended solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | September 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU | The water quality data for the month of September 2017 indicates that there was no instance where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| Monitoring Point 10 DW21b | September 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | September 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | September 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | September 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | August 2017 | pH  Total Suspended Solids  Turbidity | 7.8  14  6.9 | pH  mg/L  NTU | The water quality data for the month of August 2017 indicates that there was one instance where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| Monitoring Point 10 DW21b | August 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | August 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | August 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | August 2017 | pH  Total Suspended Solids  Turbidity | 7.4  23  21.9 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | July  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU | The water quality data for the month of July 2017 indicates that there were no instances where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| Monitoring Point 10 DW21b | July  2017 | pH  Total Suspended Solids  Turbidity | ND  ND ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | July  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | July  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | July  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 7th June  2017 | pH  Total Suspended Solids  Turbidity | 7.8  24  25 | pH  mg/L  NTU | The water quality data for the month of June 2017 indicates that there were two instances where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| 8th June  2017 | pH  Total Suspended Solids  Turbidity | 8.0  28  34 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 7th June  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| 8th June  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 7th June  2017 | pH  Total Suspended Solids  Turbidity | 7.0  313  380 | pH  mg/L  NTU |
| 8th June  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 7th June  2017 | pH  Total Suspended Solids  Turbidity | 7.4  1108  950 | pH  mg/L  NTU |
| 8th June  2017 | pH  Total Suspended Solids  Turbidity | ND  ND ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 7th June  2017 | pH  Total Suspended Solids  Turbidity | 7.1  26  28 | pH  mg/L  NTU |
| 8th June  2017 | pH  Total Suspended Solids  Turbidity | 7.1  26  15 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 20th May  2017 | pH  Total Suspended Solids  Turbidity | 7.5  24  31 | pH  mg/L  NTU | The water quality data for the month of May 2017 indicates that there was one instance where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| Monitoring Point 10 DW21b | 20th May  2017 | pH  Total Suspended Solids  Turbidity | 7.4  25  27 | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 20th May  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 20th May  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 20th May  2017 | pH  Total Suspended Solids  Turbidity | 7.1  18  18 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | April  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU | The water quality data for the month of April 2017 indicates that there were no instances where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| Monitoring Point 10 DW21b | April  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | April  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | April  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | April  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 3rd March  2017 | pH  Total Suspended Solids  Turbidity | 7.9  9.2  22.0 | pH  mg/L  NTU | The water quality data for the month of March 2017 indicates that there were five (5) instances where 20mm or more of rainfall was received at the premises within a 24 hour period. Monitoring locations are ephemeral water courses with water only present generally following significant rainfall. |
| 4th March  2017 | pH  Total Suspended Solids  Turbidity | 8.1  9.6  23.0 | pH  mg/L  NTU |
| 17th March  2017 | pH  Total Suspended Solids  Turbidity | 6.7  45.0  58.0 | pH  mg/L  NTU |
| 23rd March  2017 | pH  Total Suspended Solids  Turbidity | 6.9  15.0  39.0 | pH  mg/L  NTU |
| 31st March  2017 | pH  Total Suspended Solids  Turbidity | 7.1  16.0  27.0 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 3rd March  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| 4th March  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| 17th March  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| 23rd March  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| 31st March  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 3rd March  2017 | pH  Total Suspended Solids  Turbidity | 7.9  2.0  14.0 | pH  mg/L  NTU |
| 4th March  2017 | pH  Total Suspended Solids  Turbidity | 8.5  1.6  15.2 | pH  mg/L  NTU |
| 17th March  2017 | pH  Total Suspended Solids  Turbidity | 6.8  84.0  24.0 | pH  mg/L  NTU |
| 23rd March  2017 | pH  Total Suspended Solids  Turbidity | 6.9  5.2  17.0 | pH  mg/L  NTU |
| 31st March  2017 | pH  Total Suspended Solids  Turbidity | 6.7  7.6  12.0 | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 3rd March  2017 | pH  Total Suspended Solids  Turbidity | 8.1  21.0  62.0 | pH  mg/L  NTU |
| 4th March  2017 | pH  Total Suspended Solids  Turbidity | 8.5  5.6  26 | pH  mg/L  NTU |
| 17th March  2017 | pH  Total Suspended Solids  Turbidity | 7.2  2.0  58.0 | pH  mg/L  NTU |
| 23rd March  2017 | pH  Total Suspended Solids  Turbidity | 6.7  4.4  18.0 | pH  mg/L  NTU |
| 31st March  2017 | pH  Total Suspended Solids  Turbidity | 7.9  9.6  58.0 | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 3rd March  2017 | pH  Total Suspended Solids  Turbidity | 7.9  17.0  14.0 | pH  mg/L  NTU |
| 4th March  2017 | pH  Total Suspended Solids  Turbidity | 8.4  16.0  27.5 | pH  mg/L  NTU |
| 17th March  2017 | pH  Total Suspended Solids  Turbidity | 6.7  10.0  58.0 | pH  mg/L  NTU |
| 23rd March  2017 | pH  Total Suspended Solids  Turbidity | 6.7  14.0  28.0 | pH  mg/L  NTU |
| 31st March  2017 | pH  Total Suspended Solids  Turbidity | 7.1  5.2  27.0 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | 8th February  2017 | pH  Total Suspended Solids  Turbidity | 7.45  5.6  6.8 | pH  mg/L  NTU | The water quality data for the month of February 2017 indicates that there were two (2) instances where 20mm or more of rainfall was received at the premises within a 24 hour period. Monitoring locations are ephemeral water courses with water only present generally following significant rainfall. |
| 26th February 2017 | pH  Total Suspended Solids  Turbidity | 8.2  3.6  28 | pH  mg/L  NTU |
| Monitoring Point 10 DW21b | 8th February  2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| 26th February 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | 8th February  2017 | pH  Total Suspended Solids  Turbidity | 6.65  4.8.  7.5 | pH  mg/L  NTU |
| 26th February 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | 8th February  2017 | pH  Total Suspended Solids  Turbidity | 7.7  9.6  20 | pH  mg/L  NTU |
| 26th February 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | 8th February  2017 | pH  Total Suspended Solids  Turbidity | 6.8  53  90 | pH  mg/L  NTU |
| 26th February 2017 | pH  Total Suspended Solids  Turbidity | 8.00  3.2  29.5 | pH  mg/L  NTU |
| Monitoring Point 9 DW20b | January 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU | The water quality data for the month of January 2017 indicates that there were no instances where 20mm or more of rainfall was received at the premises within a 24 hour period. |
| Monitoring Point 10 DW21b | January 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 11 EPL12 | January 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 12 EPL11 | January 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |
| Monitoring Point 18 EPL13 | January 2017 | pH  Total Suspended Solids  Turbidity | ND  ND  ND | pH  mg/L  NTU |

Dunmore Lakes Sand Project Monitoring Locations.

Deposited Dust Monitoring Locations



**MP 8**

**MP 7**

**MP 5**

**MP 2**

Dunmore Lakes Sand Project Monitoring Locations.

Water Quality Monitoring Locations



MP 13

MP 9

MP 10

MP 12

MP 11