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Currabubula Quarry

Environmental Monitoring Report

Surface Water Monitoring Data

May 2024



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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 obtaining 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 5846.

| Currabubula Quarry Information | |
|---------------------------------------|---|
| Premise Details | Boral – Currabubula Quarry |
| Address | Werris Creek Road, Currabubula NSW 2342 |
| Licensee | Boral Resources (Country) Pty Ltd |
| EPL No | 5846 |
| EPL Location | ViewPOEOLicence.aspx (nsw.gov.au) |
| Date of dataset update | 30/05/2024 |

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

- Surface Water



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Surface Water Monitoring

Water quality monitoring is conducted as per condition M2 of EPL 5846.

Qualifications related to Surface Water

Extracted from EPL: 5846

| EPA Identification No. | Type of Monitoring Point | Location Description |
|------------------------|--|--|
| 1 | Wet Weather Discharge Discharge Water Quality Monitoring | Outlet of Dam 1 (west of stockpile area) |

POINT 1

| Pollutant | Units of Measure | 50 Percentile concentration limit | 90 Percentile concentration limit | 3DGM concentration limit | 100 percentile concentration limit |
|------------------------|----------------------|-----------------------------------|-----------------------------------|--------------------------|------------------------------------|
| Oil and Grease | milligrams per litre | | | | 10 |
| pH | pH | | | | 6.5-8.5 |
| Total suspended solids | milligrams per litre | | | | 50 |

L2.5 The Total Suspended Solids concentration limits specified in the table above may be exceeded for water discharged from the sediment basins provided that:

- (a) the discharge occurs solely as a result of rainfall measured at the premises that exceeds 39.2 millimetres over any consecutive 5 day period immediately prior to the discharge occurring; and
- (b) all practical measures have been implemented to dewater all sediment dams within 5 days of rainfall such that they have sufficient capacity to store runoff from a 39.2 millimetre, 5 day rainfall event.

Note: 39.2 millimetres equates to the 5 day 90%ile rainfall depth for Tamworth sourced from Table 6.3a Managing Urban Stormwater: Soils and Construction Volume 1: 4th edition, March 2004.

Note: For the purposes of this condition, 'Special Frequency 1' means as soon as practicable after overflow commences and in any case not more than 12 hours after any overflow commencing and prior to any controlled discharge from the sedimentation basins to demonstrate compliance with the concentration limits defined at condition L2.



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TABLE 1: Currabubula Quarry – Surface Water Monitoring Results

| EPL ID | Monitoring Frequency | Date Sampled | pH (pH units) | TSS (mg/L) | Oil & Grease | pH (Lower Limit) | pH (Upper Limit) | TSS Max Limit | Oil & Grease Max Limit | Sample Compliant (Y/N) | Comments |
|--------|------------------------|--------------|---------------|------------|--------------|------------------|------------------|---------------|------------------------|------------------------|---|
| 1 | Daily During Discharge | 23/9/2022 | 8 | 14 | 0.1 | 6.5 | 8.5 | 50 | 10 | YES | |
| 1 | Daily During Discharge | 26/11/2021 | 8 | 122 | 0.2 | 6.5 | 8.5 | 50 | 10 | YES | L2.5: Previous 5 day rainfall was greater than 39.2mm |
| 1 | Daily During Discharge | 25/11/2021 | 8 | 68 | 0.1 | 6.5 | 8.5 | 50 | 10 | YES | L2.5: Previous 5 day rainfall was greater than 39.2mm |
| 1 | Daily During Discharge | 23/11/2021 | 8 | 81 | 0.3 | 6.5 | 8.5 | 50 | 10 | YES | L2.5: Previous 5 day rainfall was greater than 39.2mm |
| 1 | Daily During Discharge | 22/11/2021 | 8 | 159 | 0.2 | 6.5 | 8.5 | 50 | 10 | YES | L2.5: Previous 5 day rainfall was greater than 39.2mm |
| 1 | Daily During Discharge | 15/3/2021 | 7.92 | 184 | 5 | 6.5 | 8.5 | 50 | 10 | YES | L2.5: Previous 5 day rainfall was greater than 39.2mm |
| 1 | Daily During Discharge | 12/3/2021 | 7.92 | 244 | 5 | 6.5 | 8.5 | 50 | 10 | YES | L2.5: Previous 5 day rainfall was greater than 39.2mm |
| 1 | Daily During Discharge | 11/8/2020 | 8.1 | 24 | 5 | 6.5 | 8.5 | 50 | 10 | YES | |
| 1 | Daily During Discharge | 10/8/2020 | 8 | 38.5 | 5 | 6.5 | 8.5 | 50 | 10 | YES | |
| 1 | Daily During Discharge | 4/8/2020 | 8 | 41.5 | 5 | 6.5 | 8.5 | 50 | 10 | YES | |
| 1 | Daily During Discharge | 29/7/2020 | 8.2 | 77 | 0.4 | 6.5 | 8.5 | 50 | 10 | YES | L2.5: Previous 5 day rainfall was greater than 39.2mm |



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| EPL ID | Monitoring Frequency | Date Sampled | pH (pH units) | TSS (mg/L) | Oil & Grease | pH (Lower Limit) | pH (Upper Limit) | TSS Max Limit | Oil & Grease Max Limit | Sample Compliant (Y/N) | Comments |
|--------|------------------------|--------------|---------------|------------|--------------|------------------|------------------|---------------|------------------------|------------------------|---|
| 1 | Daily During Discharge | 28/7/2020 | 8.4 | 292 | 0.3 | 6.5 | 8.5 | 50 | 10 | YES | L2.5: Previous 5 day rainfall was greater than 39.2mm |
| 1 | Daily During Discharge | 18/2/2020 | 8.3 | 160 | 5 | 6.5 | 8.5 | 50 | 10 | YES | L2.5: Previous 5 day rainfall was greater than 39.2mm |
| 1 | Daily During Discharge | 12/2/2020 | 7.9 | 194 | 0.6 | 6.5 | 8.5 | 50 | 10 | YES | L2.5: Previous 5 day rainfall was greater than 39.2mm |
| 1 | Daily During Discharge | 1/11/2016 | 7.4 | 10 | 5 | 6.5 | 8.5 | 50 | 10 | YES | |
| 1 | Daily During Discharge | 23/9/2016 | 6.8 | 5 | 5 | 6.5 | 8.5 | 50 | 10 | YES | |
| 1 | Daily During Discharge | 15/9/2016 | 7 | 136 | 5 | 6.5 | 8.5 | 50 | 10 | YES | L2.5: Previous 5 day rainfall was greater than 39.2mm |
| 1 | Daily During Discharge | 7/9/2016 | 7.2 | 22 | 5 | 6.5 | 8.5 | 50 | 10 | YES | |
| 1 | Daily During Discharge | 5/9/2016 | 7.2 | 105 | 5 | 6.5 | 8.5 | 50 | 10 | YES | L2.5: Previous 5 day rainfall was greater than 39.2mm |
| 1 | Daily During Discharge | 25/8/2016 | 7.8 | 150 | 5 | 6.5 | 8.5 | 50 | 10 | YES | L2.5: Previous 5 day rainfall was greater than 39.2mm |



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TABLE 2: Surface Water Monitoring Results – Corrections Log

| Date of Data (sample Date) | Old Published Data | Corrected Data | Reason for Update / Correction | Update Person | Date corrected Data Published | Comments |
|----------------------------|--------------------|----------------|--------------------------------|---------------|-------------------------------|----------|
| | | | | | | |
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Note: The table above details the corrections made to published data due to incorrect reporting or misleading published data



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