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Currabubula Quarry

Environmental Monitoring Report

Surface Water Monitoring Data

October 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	8/10/2024

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	10/08/2024	8.36	25	<5	6.5	8.5	50	10	YES	L2.5: Previous 5 day rainfall was greater than 39.2mm
1	Daily During Discharge	08/08/2024	8.01	55	<5	6.5	8.5	50	10	YES	L2.5: Previous 5 day rainfall was greater than 39.2mm
1	Daily During Discharge	07/08/2024	7.51	70	<5	6.5	8.5	50	10	YES	L2.5: Previous 5 day rainfall was greater than 39.2mm
1	Daily During Discharge	06/08/2024	7.90	85	<5	6.5	8.5	50	10	YES	L2.5: Previous 5 day rainfall was greater than 39.2mm
1	Daily During Discharge	1/08/2024	7.93	38	<5	6.5	8.5	50	10	YES	L2.5: Previous 5 day rainfall was greater than 39.2mm
1	Daily During Discharge	31/07/2024	7.92	52.5	<5	6.5	8.5	50	10	YES	L2.5: Previous 5 day rainfall was greater than 39.2mm
1	Daily During Discharge	30/07/2024	7.44	56	<5	6.5	8.5	50	10	YES	L2.5: Previous 5 day rainfall was greater than 39.2mm
1	Daily During Discharge	29/07/2024	7.95	69	<5	6.5	8.5	50	10	YES	L2.5: Previous 5 day rainfall was greater than 39.2mm
1	Daily During Discharge	23/9/2022	8	14	0.1	6.5	8.5	50	10	YES	L2.5: Previous 5 day rainfall was greater than 39.2mm
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



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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	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
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	



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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	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



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

Note: The table above details the corrections made to published data due to incorrect reporting or misleading published data



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