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# Kooragang Recycling

## Environmental Monitoring Report

Surface Water and Groundwater Monitoring Data

August 2025

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 11968 (EPL: 11968 – Boral Kooragang Recycling)

Kooragang Recycling Information	
Premise Details	Boral – Kooragang Recycling
Address	1/24 Egret St, Kooragang NSW
Licensee	Boral Recycling PTY Limited
EPL No	11968
EPL Location	<a href="http://app.epa.nsw.gov.au/POEOLicence11968">app.epa.nsw.gov.au/POEOLicence11968</a>
Date of dataset update	09/08/2025

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

- Surface Water
- Groundwater



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## Surface Water Monitoring

Water quality monitoring is conducted as per condition M2 of EPL 11968.

### Qualifications related to Surface Water

Extracted from EPL: 11969

EPA Identification No.	Type of Monitoring Point	Location Description
2	Discharge to Waters Discharge Quality Monitoring	Basin overflow location

Water Concentration Limits:

#### POINT 2

Pollutant	Units of measure	Frequency	Sampling Method
Aluminium	milligrams per litre	Daily during any discharge	Grab sample
Chromium (total)	milligrams per litre	Daily during any discharge	Grab sample
Copper	milligrams per litre	Daily during any discharge	Grab sample
Cyanide	milligrams per litre	Daily during any discharge	Grab sample
Electrical conductivity	microsiemens per centimetre	Daily during any discharge	Grab sample
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Daily during any discharge	Grab sample
Nitrogen (total)	milligrams per litre	Daily during any discharge	Grab sample
pH	pH	Daily during any discharge	Grab sample
Zinc	milligrams per litre	Daily during any discharge	Grab sample

## Groundwater Monitoring

Water quality monitoring is conducted as per condition M2 of EPL 11968.

### Qualifications related to Groundwater

Extracted from EPL: 11969

EPA Identification No.	Type of Monitoring Point	Location Description
4	Groundwater Monitoring	Groundwater Monitoring Bore R1
9	Groundwater Monitoring	Groundwater Monitoring Bore 101
10	Groundwater Monitoring	Groundwater Monitoring Bore 102
11	Groundwater Monitoring	Groundwater Monitoring Bore 103A
12	Groundwater Monitoring	Groundwater Monitoring Bore 104
13	Groundwater Monitoring	Groundwater Monitoring Bore 105

Water monitoring requirements:

**POINT 4,9,10,11,12,13**

Pollutant	Units of measure	Frequency	Sampling Method
Aluminium	milligrams per litre	2 Times a year	Grab sample
Chromium (total)	milligrams per litre	2 Times a year	Grab sample
Copper	micrograms per litre	2 Times a year	Grab sample
Cyanide	milligrams per litre	2 Times a year	Grab sample
Depth	metres (Australian Height Datum)	2 Times a year	Grab sample
Electrical conductivity	microsiemens per centimetre	2 Times a year	Grab sample
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	2 Times a year	Grab sample
Nitrogen (total)	milligrams per litre	2 Times a year	Grab sample
pH	pH	2 Times a year	Grab sample
Zinc	milligrams per litre	2 Times a year	Grab sample

**TABLE 1: Koorangang Recycling – Surface Water Monitoring Results (Discharge events)**

Date	Aluminium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Electrical Conductivity ( $\mu$ S/cm)	Nitrate + Nitrite (mg/L)	Total Nitrogen (mg/L)	pH	Zinc (mg/)
23/05/2025	1.4	0.031	0.013	<0.04	440	3.5	3.7	10.9	0.004
22/05/2025	2.1	0.035	0.012	<0.04	350	3.2	4.2	10.9	0.017
21/05/2025	1.4	0.031	0.011	<0.04	380	3.9	3.9	10.6	0.006
20/05/2025	2.7	0.033	0.016	<0.04	530	2.6	3.1	11.2	0.004
19/05/2025	1.6	0.031	0.013	<0.04	380	7.3	8.5	10.5	0.008
28/04/2025	NA	NA	NA	NA	360	NA	NA	10.6	NA

Notes:

NA = No analysis undertaken

**TABLE 2: Kooragang Recycling – Groundwater Monitoring Results (Monitoring undertaken twice per year)**

EPL Monitoring Point	Bore Location	Date	Aluminium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Depth	Electrical Conductivity (µS/cm)	Nitrate + Nitrite (mg/L)	Total Nitrogen (mg/L)	pH	Zinc (mg/)
<b>May 2025 Sampling</b>												
4	Bore R1	5/5/2025	<0.01	<0.001	<0.001	<0.004	2.36	800	0.01	0.6	7.7	<0.001
9	Bore 101	5/5/2025	<0.01	0.003	0.003	<0.004	2.00	590	0.31	0.6	7.7	0.005
10	Bore 102	5/5/2025	<0.01	<0.001	<0.001	<0.004	2.66	2,400	0.01	1.9	7.5	0.004
11	Bore 103A	5/5/2025	<0.01	<0.001	<0.001	<0.004	2.21	1,500	0.73	2.0	7.5	<0.001
12	Bore 104	5/5/2025	<0.01	<0.001	<0.001	<0.004	2.97	1,700	0.43	0.8	7.4	0.013
13	Bore 105	5/5/2025	<0.01	<0.001	<0.001	<0.004	2.73	970	0.71	1.2	7.5	0.009
<b>July 2025 Sampling</b>												
4	Bore R1	10/7/2025	<0.01	<0.001	<0.001	<0.004	2.16	1,330	0.011	0.4	7.6	<0.001
9	Bore 101	10/7/2025	<0.01	<0.001	<0.001	0.005	2.23	1,520	<0.005	0.7	7.3	0.005
10	Bore 102	10/7/2025	<0.01	<0.001	<0.001	<0.004	2.58	2,040	0.52	2.1	7.2	0.01
11	Bore 103A	10/7/2025	<0.01	<0.001	<0.001	<0.004	2.36	919	0.11	0.6	7.2	0.005
12	Bore 104	10/7/2025	0.03	<0.001	<0.001	<0.004	2.56	1,400	0.33	1.1	7.1	0.003
13	Bore 105	10/7/2025	<0.01	<0.001	<0.001	0.005	2.98	885	0.26	0.6	7.3	0.008

Notes:

- Depth is displayed as groundwater RL (AHD)

**TABLE 3: Surface Water and Groundwater 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

FIGURE 1 Kooragang Recycling - Surface Water and Groundwater Monitoring Locations

