



Environmental Monitoring Report

Surface Water and Groundwater Monitoring Data

June 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	27 Egret St, Kooragang NSW 2304			
Licensee	Boral Recycling PTY Limited			
EPL No	11968			
EPL Location	app.epa.nsw.gov.au			
Date of dataset update	17/06/2025			

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

- Surface Water
- Groundwater



Surface Water Monitoring

Water quality monitoring is conducted as per condition M2.1 of EPL 11968

Qualifications related to Surface Water Extracted from EPL:11968

P1.1 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

EPA Identification No.	Type of Monitoring Point	Location Description
2	Discharge and Water Monitoring	Basin overflow location as shown on the plan titled "Kooragang Recycling EPL 11968 - Water Monitoring Locations - September 2023"

M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

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

Groundwater quality monitoring is conducted as per condition M2.1 of EPL 11968.

Qualifications related to Groundwater Extracted from EPL:11968

P1.1 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

EPA Identification No.	Type of Monitoring Point	Location Description
4	Groundwater Monitoring	Groundwater Monitoring Bore R1 as shown on the plan titled "Well Location Plan (New and Existing) EPL Monitoring 1/24 Egret Street, Kooragang, NSW" dated 2 October 2024
9	Groundwater Monitoring	Groundwater Monitoring Bore 101 as shown on the plan titled "Well Location Plan (New and Existing) EPL Monitoring 1/24 Egret Street, Kooragang, NSW" dated 2 October 2024
10	Groundwater Monitoring	Groundwater Monitoring Bore 102 as shown on the plan titled "Well Location Plan (New and Existing) EPL Monitoring 1/24 Egret Street, Kooragang, NSW" dated 2 October 2024
11	Groundwater Monitoring	Groundwater Monitoring Bore 103A as shown on the plan titled "Well Location Plan (New and Existing) EPL Monitoring 1/24 Egret Street, Kooragang, NSW" dated 2 October 2024
12	Groundwater Monitoring	Groundwater Monitoring Bore 104 as shown on the plan titled "Well Location Plan (New and Existing) EPL Monitoring 1/24 Egret Street, Kooragang, NSW" dated 2 October 2024
13	Groundwater Monitoring	Groundwater Monitoring Bore 105 as shown on the plan titled "Well Location Plan (New and Existing) EPL Monitoring 1/24 Egret Street, Kooragang, NSW" dated 2 October 2024

M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:



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
pН	pH	2 Times a year	Grab sample
Zinc	milligrams per litre	2 Times a year	Grab sample



Date	Aluminium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Electrical Conductivity (µS/cm)	Nitrate + Nitrite (mg/L)	Nitrogen (total) (mg/L)	рН	Zinc (mg/L)
23/5/2025	1.4	0.031	0.013	<0.04	440	3.5	3.7	10.9	0.004
22/5/2025	2.1	0.035	0.012	<0.04	350	3.2	4.2	10.9	0.017
21/5/2025	1.4	0.031	0.011	<0.04	380	3.9	3.9	10.6	0.006
20/5/2025	2.7	0.033	0.016	<0.04	530	2.6	3.1	11.2	0.004
19/5/2025	1.6	0.031	0.013	<0.04	380	7.3	8.5	10.5	0.008
28/4/2025	1.5	0.032	0.012	<0.04	360	4.5	4.9	10.8	0.010

 TABLE 1: Kooragang – Surface Water Monitoring Results – Discharge Monitoring EPL Point 4



EPL Monitoring Point	Location	Date	Aluminium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cyanide (mg/L)	Depth	Electrical Conductivity (µS/cm)	Nitrate + Nitrite (mg/L)	Nitrogen (total) (mg/L)	рН	Zinc (mg/L)
May 2025 Sa	ampling											
4	Bore R1	5/5/2025	<0.01	<0.001	<0.001	<0.004	2.16	800	0.01	0.6	7.7	<0.001
9	Bore 101	5/5/2025	<0.01	0.003	0.003	<0.004	2.23	590	0.31	0.6	7.7	0.005
10	Bore 102	5/5/2025	<0.01	<0.001	<0.001	<0.004	2.58	2,400	0.01	1.9	7.5	0.004
11	Bore 103A	5/5/2025	<0.01	<0.001	<0.001	<0.004	2.36	1,500	0.73	2.0	7.5	<0.001
12	Bore 104	5/5/2025	<0.01	<0.001	<0.001	<0.004	2.56	1,700	0.43	0.8	7.4	0.013
13	Bore 105	5/5/2025	<0.01	<0.001	<0.001	<0.004	2.98	970	0.71	1.2	7.5	0.009

TABLE 2: Kooragang – Groundwater Monitoring Results – Discharge Monitoring EPL Points (2 Times a year)

• Depth is displayed as groundwater RL (AHD)



TABLE 3: 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



FIGURE 1 Kooragang Recycling Surface Water and Groundwater Monitoring Locations



Water monitoring locations:

EPA ID #	Location Description
EPA ID 2	Surface Water Discharge Monitoring Point
EPA ID 4	Groundwater Monitoring Point R1
EPA ID 9	Groundwater Monitoring Point 101
EPA ID 10	Groundwater Monitoring Point 102
EPA ID 11	Groundwater Monitoring Point 103A
EPA ID 12	Groundwater Monitoring Point 104
EPA ID 13	Groundwater Monitoring Point 105