

Brou Landfill Facility - 2nd Quarter Result Summary - Feb 2023 to Apr 2023

Licensee: Eurobodalla Shire Council

EPL No.: 5881

Premises: Brou Landfill Facility

Address: Brou Lake Road, Dalmeny NSW 2546

EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=252335&SYSUID=1&LICID=5881>

POEO Public Register: <http://www.epa.nsw.gov.au/prpoeoapp/>

Licence Period: 30-Oct-22 to 29-Oct-23

Sample Period: 01-Feb-23 to 30-Apr-23 (2nd Quarter)



Anniversary Date: 30-Oct-22

Published Date: 30-Jun-23

Licence Point 1 - BR809 (Upper) Groundwater Quarterly Parameters

Sample Frequency	Quarterly
Sampling Method	Grab Sample

Pollutant	Unit of Measure	Quarterly Result		Comment
		Sample Date 01/03/23	Obtained Date 09/03/23	
Alkalinity as CaCO ₃	(mg/L CaCO ₃)	123		
Calcium (Dissolved)	(mg/L)	11.2		
Chloride	(mg/L)	750		
Magnesium	(mg/L)	120		
Nitrogen (Ammonia)	(mg/L)	<0.01		
pH	(pH)	6.2		
Potassium	(mg/L)	7.4		
Sodium	(mg/L)	311		
Standing Water Level	(m)	23.4		
Sulfate	(mg/L)	8.2		
Total Dissolved Solids (TDS)	(mg/L)	1564		
Total Organic Carbon (TOC)	(mg/L)	0.3		

Licence Point 2 - BR810 (Lower) Groundwater Quarterly Parameters

Sample Frequency	Quarterly
Sampling Method	Grab Sample

Pollutant	Unit of Measure	Quarterly Result		Comment
		Sample Date 01/03/23	Obtained Date 09/03/23	
Alkalinity as CaCO ₃	(mg/L CaCO ₃)	144		
Calcium (Dissolved)	(mg/L)	8.52		
Chloride	(mg/L)	890		
Magnesium	(mg/L)	87.3		
Nitrogen (Ammonia)	(mg/L)	0.01		
pH	(pH)	6.4		
Potassium	(mg/L)	1.7		
Sodium	(mg/L)	509		
Standing Water Level	(m)	0.4		
Sulfate	(mg/L)	120		
Total Dissolved Solids (TDS)	(mg/L)	1948		
Total Organic Carbon (TOC)	(mg/L)	3.5		

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Licence Point 3 - BR811 (Mid) Groundwater Quarterly Parameters

Sample Frequency	Quarterly
Sampling Method	Grab Sample

Pollutant	Unit of Measure	Quarterly Result		Comment
		Sample Date 01/03/23	Obtained Date 09/03/23	
Alkalinity as CaCO ₃	(mg/L CaCO ₃)	117		
Calcium (Dissolved)	(mg/L)	11.6		
Chloride	(mg/L)	1000		
Magnesium	(mg/L)	107		
Nitrogen (Ammonia)	(mg/L)	0.01		
pH	(pH)	6.5		
Potassium	(mg/L)	2.7		
Sodium	(mg/L)	513		
Standing Water Level	(m)	1.7		
Sulfate	(mg/L)	86		
Total Dissolved Solids (TDS)	(mg/L)	2216		
Total Organic Carbon (TOC)	(mg/L)	2.6		

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Licence Point 4 - BR807 Downstream Surfacewater Parameters

Sample Frequency	Weekly during any discharge
Sampling Method	Grab Sample

Pollutant	Unit of Measure	Sample Event 1 Sampling Date Obtained Date	Sample Event 2 Sampling Date Obtained Date	Comment
Alkalinity as CaCO ₃	(mg/L)			No discharge recorded
Aluminium	(mg/L)			
Ammonia	(mg/L)			
Arsenic	(mg/L)			
Barium	(mg/L)			
BTEX	(mg/L)			
Cadmium	(mg/L)			
Calcium	(mg/L)			
Chloride	(mg/L)			
Chromium	(mg/L)			
Cobalt	(mg/L)			
Conductivity	(µS/cm)			
Copper	(mg/L)			
Dissolved Oxygen	(mg/L)			
Fluoride	(mg/L)			
Lead	(mg/L)			
Magnesium	(mg/L)			
Manganese	(mg/L)			
Mercury	(mg/L)			
Nitrate	(mg/L)			
Nitrite	(mg/L)			
Nitrogen (Total)	(mg/L)			
Oxidised Nitrogen	(mg/L)			
pH	pH Units			
Phosphorus (Total)	(mg/L)			
Polycyclic Aromatic Hydrocarbons	(mg/L)			
Potassium	(mg/L)			
Sodium	(mg/L)			
Sulfate	(mg/L)			
Sulfur	(mg/L)			
Total Organic Carbon	(mg/L)			
Total Petroleum Hydrocarbons	(mg/L)			
Total Suspended Solids (TSS)	(mg/L)			
Zinc	(mg/L)			

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Licence Point 5 - BR808 Upstream Surfacewater Quarterly Parameters

Sample Frequency	Weekly during any discharge
Sampling Method	Grab Sample

Pollutant	Unit of Measure	Sample Event 1 Sampling Date	Sample Event 2 Sampling Date	Comment
Alkalinity as CaCO ₃	(mg/L)			No discharge recorded
Aluminium	(mg/L)			
Ammonia	(mg/L)			
Arsenic	(mg/L)			
Barium	(mg/L)			
BTEX	(mg/L)			
Cadmium	(mg/L)			
Chloride	(mg/L)			
Chromium	(mg/L)			
Cobalt	(mg/L)			
Conductivity	(µS/cm)			
Copper	(mg/L)			
Dissolved Oxygen	(mg/L)			
Fluoride	(mg/L)			
Lead	(mg/L)			
Magnesium	(mg/L)			
Manganese	(mg/L)			
Mercury	(mg/L)			
Nitrate	(mg/L)			
Nitrite	(mg/L)			
Nitrogen (Total)	(mg/L)			
Oxidised Nitrogen	(mg/L)			
pH	pH Units			
Phosphorus (Total)	(mg/L)			
Polycyclic Aromatic Hydrocarbons	(mg/L)			
Potassium	(mg/L)			
Sodium	(mg/L)			
Sulfate	(mg/L)			
Sulfur	(mg/L)			
Total Organic Carbon	(mg/L)			
Total Petroleum Hydrocarbons	(mg/L)			
Total Suspended Solids (TSS)	(mg/L)			
Zinc	(mg/L)			

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Licence Point 6 - BR801 Sediment Pond Quarterly Parameters

Sample Frequency	Quarterly
Sampling Method	Grab Sample

Pollutant	Unit of Measure	Quarterly Result	Additional Result	Additional Result	Comment
		Sample Date 01/03/23 Obtained Date 09/03/23	Sample Date Obtained Date	Sample Date Obtained Date	
Nitrogen (Ammonia)	(mg/L CaCO ₃)	0.41			
pH	pH Units	8.4			
Total Suspended Solids (TSS)	(mg/L)	3			