

Brou Landfill Facility - 1st Quarter Result Summary - Oct 2024 to Jan 2025

Licensee: Eurobodalla Shire Council
 EPL No.: 5881
 Premises: Brou Landfill Facility
 Address: Brou Lake Road, Dalmeny NSW 2546
 EPL Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32802&SYSUID=1&LICID=5881>
 POEO Public Register: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Licence Period: 30-Oct-24 to 29-Oct-25
 Sample Period: 30-Oct-23 to 31-Jan-24 (1st Quarter)



Anniversary Date: 30-Oct-24
 Published Date: 10-Dec-24

Licence Point 1 - BR809 (Upper) Groundwater Quarterly Parameters

Sample Frequency	Quarterly
Sampling Method	Grab Sample

Pollutant	Unit of Measure	Quarterly Result Sample Date 28/11/24 Obtained Date 10/12/24	Comment
Alkalinity as CaCO ₃	(mg/L CaCO ₃)	126	
Calcium (Dissolved)	(mg/L)	13.8	
Chloride	(mg/L)	810	
Magnesium	(mg/L)	135	
Nitrogen (Ammonia)	(mg/L)	<0.01	
pH	(pH)	6.2	
Potassium	(mg/L)	7.4	
Sodium	(mg/L)	331	
Standing Water Level	(m)	24.2	
Sulfate	(mg/L)	7.6	
Total Dissolved Solids (TDS)	(mg/L)	1840	
Total Organic Carbon (TOC)	(mg/L)	3.5	

Licence Point 2 - BR810 (Lower) Groundwater Quarterly Parameters

Sample Frequency	Quarterly
Sampling Method	Grab Sample

Pollutant	Unit of Measure	Quarterly Result Sample Date 28/11/24 Obtained Date 10/12/24	Comment
Alkalinity as CaCO ₃	(mg/L CaCO ₃)	150	
Calcium (Dissolved)	(mg/L)	9.07	
Chloride	(mg/L)	960	
Magnesium	(mg/L)	93.8	
Nitrogen (Ammonia)	(mg/L)	0.01	
pH	(pH)	6.7	
Potassium	(mg/L)	1.2	
Sodium	(mg/L)	582	
Standing Water Level	(m)	1	
Sulfate	(mg/L)	140	
Total Dissolved Solids (TDS)	(mg/L)	2065	
Total Organic Carbon (TOC)	(mg/L)	2.9	

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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 28/11/24	Obtained Date 10/12/24	
Alkalinity as CaCO ₃	(mg/L CaCO ₃)	115		
Calcium (Dissolved)	(mg/L)	15.5		
Chloride	(mg/L)	1100		
Magnesium	(mg/L)	119		
Nitrogen (Ammonia)	(mg/L)	0.07		
pH	(pH)	6.4		
Potassium	(mg/L)	2.6		
Sodium	(mg/L)	570		
Standing Water Level	(m)	2.8		
Sulfate	(mg/L)	87		
Total Dissolved Solids (TDS)	(mg/L)	2390		
Total Organic Carbon (TOC)	(mg/L)	3.1		

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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)			
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 Obtained Date	Sample Event 2 Sampling Date Obtained Date	Comment
Alkalinity as CaCO ₃	(mg/L)			
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 28/11/24 Obtained Date 10/12/24	Sample Date Obtained Date	Sample Date Obtained Date	
Nitrogen (Ammonia)	(mg/L)	7.45			
pH	pH Units	8.3			
Total Suspended Solids (TSS)	(mg/L)	110			