

## Brou Landfill Facility - 1st Quarter Result Summary - Oct 2022 to Jan 2023



Anniversary Date: 30-Oct-22  
Published Date: 30-Jun-23

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: 30-Oct-22 to 31-Jan-23 (1st Quarter)

### Licence Point 1 - BR809 (Upper) Groundwater Quarterly Parameters

Sample Frequency	Quarterly
Sampling Method	Grab Sample

Pollutant	Unit of Measure	Quarterly Result Sample Date 11/01/23 Obtained Date 20/01/23	Comment
Alkalinity as CaCO <sub>3</sub>	(mg/L CaCO <sub>3</sub> )	122	
Calcium (Dissolved)	(mg/L)	11	
Chloride	(mg/L)	740	
Magnesium	(mg/L)	115	
Nitrogen (Ammonia)	(mg/L)	<0.01	
pH	(pH)	6.3	
Potassium	(mg/L)	7.1	
Sodium	(mg/L)	294	
Standing Water Level	(m)	23.6	
Sulfate	(mg/L)	9.5	
Total Dissolved Solids (TDS)	(mg/L)	1476	
Total Organic Carbon (TOC)	(mg/L)	<0.2	

### Licence Point 2 - BR810 (Lower) Groundwater Quarterly Parameters

Sample Frequency	Quarterly
Sampling Method	Grab Sample

Pollutant	Unit of Measure	Quarterly Result Sample Date 11/01/23 Obtained Date 20/01/23	Comment
Alkalinity as CaCO <sub>3</sub>	(mg/L CaCO <sub>3</sub> )	142	
Calcium (Dissolved)	(mg/L)	8.6	
Chloride	(mg/L)	910	
Magnesium	(mg/L)	86.5	
Nitrogen (Ammonia)	(mg/L)	0.01	
pH	(pH)	6.4	
Potassium	(mg/L)	1.5	
Sodium	(mg/L)	520	
Standing Water Level	(m)	0	
Sulfate	(mg/L)	140	
Total Dissolved Solids (TDS)	(mg/L)	2008	
Total Organic Carbon (TOC)	(mg/L)	<0.2	

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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 11/01/23	Obtained Date 20/01/23	
Alkalinity as CaCO <sub>3</sub>	(mg/L CaCO <sub>3</sub> )	115		
Calcium (Dissolved)	(mg/L)	11.2		
Chloride	(mg/L)	1100		
Magnesium	(mg/L)	107		
Nitrogen (Ammonia)	(mg/L)	0.01		
pH	(pH)	6.4		
Potassium	(mg/L)	2.7		
Sodium	(mg/L)	610		
Standing Water Level	(m)	1.7		
Sulfate	(mg/L)	96		
Total Dissolved Solids (TDS)	(mg/L)	2368		
Total Organic Carbon (TOC)	(mg/L)	<0.2		

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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 <sub>3</sub>	(mg/L)			Site dry - no sample collected
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 <sub>3</sub>	(mg/L)			Site dry - no sample collected
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 05/01/23 Obtained Date 12/01/23	Sample Date 11/01/23 Obtained Date 20/01/23	Sample Date Obtained Date	
Nitrogen (Ammonia)	(mg/L CaCO <sub>3</sub> )	2.04	1.95		
pH	pH Units	7.8	8		
Total Suspended Solids (TSS)	(mg/L)		11		