

Brou Landfill Facility - 2nd Quarter Result Summary - Feb 2024 to Apr 2024



Anniversary Date: 30-Oct-23
Published Date: 3-Jul-24

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-23 to 29-Oct-24
Sample Period: 1-Feb-24 to 30-Apr-24 (2nd Quarter)

Licence Point 1 - BR809 (Upper) Groundwater Quarterly Parameters

Sample Frequency	Quarterly
Sampling Method	Grab Sample

Pollutant	Unit of Measure	Quarterly Result		Comment
		Sample Date 23/04/24	Obtained Date 07/05/24	
Alkalinity as CaCO ₃	(mg/L CaCO ₃)	125		
Calcium (Dissolved)	(mg/L)	12.8		
Chloride	(mg/L)	780		
Magnesium	(mg/L)	117		
Nitrogen (Ammonia)	(mg/L)	<0.01		
pH	(pH)	6.20		
Potassium	(mg/L)	7.80		
Sodium	(mg/L)	320		
Standing Water Level	(m)	24.5		
Sulfate	(mg/L)	9.7		
Total Dissolved Solids (TDS)	(mg/L)	1640		
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		Comment
		Sample Date 23/04/24	Obtained Date 07/05/24	
Alkalinity as CaCO ₃	(mg/L CaCO ₃)	140		
Calcium (Dissolved)	(mg/L)	8.25		
Chloride	(mg/L)	950		
Magnesium	(mg/L)	83.7		
Nitrogen (Ammonia)	(mg/L)	0.02		
pH	(pH)	6.6		
Potassium	(mg/L)	1.6		
Sodium	(mg/L)	558		
Standing Water Level	(m)	0.9		
Sulfate	(mg/L)	130		
Total Dissolved Solids (TDS)	(mg/L)	1900		
Total Organic Carbon (TOC)	(mg/L)	4.3		

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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 23/04/24	Obtained Date 07/05/24	
Alkalinity as CaCO ₃	(mg/L CaCO ₃)	110		
Calcium (Dissolved)	(mg/L)	13.7		
Chloride	(mg/L)	990		
Magnesium	(mg/L)	103		
Nitrogen (Ammonia)	(mg/L)	0.01		
pH	(pH)	6.4		
Potassium	(mg/L)	2.8		
Sodium	(mg/L)	5543		
Standing Water Level	(m)	2.6		
Sulfate	(mg/L)	82		
Total Dissolved Solids (TDS)	(mg/L)	2152		
Total Organic Carbon (TOC)	(mg/L)	2.9		

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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 overflows reported Feb-Apr 2024
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)			No overflows reported Feb-Apr 2024
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 13/03/24 Obtained Date 28/03/24	Sample Date 23/04/24 Obtained Date 07/05/24	Sample Date Obtained Date	
Nitrogen (Ammonia)	(mg/L)	<0.01	4.92		
pH	pH Units	8.7	7.8		
Total Suspended Solids (TSS)	(mg/L)	12	8		