

Brou Landfill Facility - 4th Quarter Result Summary - Aug 2022 to Oct 2022



Anniversary Date: 30-Oct-21
Published Date: 24-Nov-22

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-21 to 29-Oct-22
 Sample Period: 01-Aug-22 to 29-Oct-22 (4th Quarter)

Licence Point 1 - BR809 (Upper) Groundwater Quarterly Parameters

Sample Frequency	Quarterly
Sampling Method	Grab Sample

Pollutant	Unit of Measure	Quarterly Result Sample Date 13/10/22 Obtained Date 29/10/22	Comment
Alkalinity as CaCO ₃	(mg/L CaCO ₃)	121	
Calcium (Dissolved)	(mg/L)	10.6	
Chloride	(mg/L)	730	
Magnesium	(mg/L)	124	
Nitrogen (Ammonia)	(mg/L)	<0.01	
pH	(pH)	6.3	
Potassium	(mg/L)	7.3	
Sodium	(mg/L)	298	
Standing Water Level	(m)	23.6	
Sulfate	(mg/L)	10	
Total Dissolved Solids (TDS)	(mg/L)	1355	
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 13/10/22 Obtained Date 29/10/22	Comment
Alkalinity as CaCO ₃	(mg/L CaCO ₃)	143	
Calcium (Dissolved)	(mg/L)	8.74	
Chloride	(mg/L)	890	
Magnesium	(mg/L)	90.5	
Nitrogen (Ammonia)	(mg/L)	0.01	
pH	(pH)	6.5	
Potassium	(mg/L)	1.8	
Sodium	(mg/L)	535	
Standing Water Level	(m)	0	
Sulfate	(mg/L)	130	
Total Dissolved Solids (TDS)	(mg/L)	1830	
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 13/10/22	Obtained Date 29/10/22	
Alkalinity as CaCO ₃	(mg/L CaCO ₃)	116		
Calcium (Dissolved)	(mg/L)	11.7		
Chloride	(mg/L)	1000		
Magnesium	(mg/L)	111		
Nitrogen (Ammonia)	(mg/L)	0.03		
pH	(pH)	6.5		
Potassium	(mg/L)	3		
Sodium	(mg/L)	549		
Standing Water Level	(m)	1.7		
Sulfate	(mg/L)	99		
Total Dissolved Solids (TDS)	(mg/L)	1905		
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 ₃	(mg/L)			No discharge recorded during 4th Quarter
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 during 4th Quarter
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 15/08/22 Obtained Date 26/08/22	Sample Date 01/09/22 Obtained Date 15/09/22	Sample Date 13/10/22 Obtained Date 29/10/22	
Nitrogen (Ammonia)	(mg/L)	7.36	3.86	2.61	
pH	pH Units	8.6	9.1	9.4	
Total Suspended Solids (TSS)	(mg/L)	22	83	100	