

POLLUTION MONITORING DATA SUMMARY DENILINU WASTE DISPOSAL DEPOT



Environment Protection Licence [6188](#) Link to full licence on EPA website:
<http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOlicence.aspx?DOCID=31285&SYSUID=1&LICID=6188>
Licensee: Edward River Council P.O. Box 220 Deniliquin NSW 2710

Monitoring Point 1

Monitoring Point 1

Location: Bora E106

Monitoring Point

Location: Bore 5196

Monitoring Point 2

Location: Bore 5197

Monitoring Point 3

Location: Bore 5198

Location: Bone 5198		5198																												
Pollutant	Unit	Monitoring frequency required by licence	Measurement 26 March 2012	Measurement 17 Sept 2012	Measurement 8th April 2013	Measurement 26 Sep 2013	Measurement 31 March 2014	Measurement 20 October 2014	Measurement 31 March 2015	Measurement 9 October 2015	Measurement 11th April 2016	Measurement 14th Nov 2016	Measurement 12th April 2017	Measurement 9th Sept 2017	Measurement 28th April 2018	Measurement 31st October 2018	Measurement 25th March 2019	Measurement 9 Sept 2019	Measurement 6 April 2020	Measurement 13 October 2020	Measurement 13 April 2021	Measurement 28 September 2021	Measurement 22 March 2022	Measurement 12 October 2022	Measurement 18 April 2023	Measurement 26 Sep 2023				
Alkalinity	mg/l	Yearly		13		14			22			11				10			14			19			57					
Ammonia	mg/l	Every 6 months	<0.01	0.11	0.24	0.36	0.42	0.3	0.16	<0.01	0.3	0.13	0.01	0.4	0.41	0.19	0.13	0.063	<0.012	0.054	0.027	0.033	0.02	0.034	0.024					
Arsenic	mg/l	Yearly		<0.001		<0.001		<0.001		0.003		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001				
Calcium	mg/l	Yearly		<0.01		<0.01		<0.01		<0.05		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.001		<0.001				
Chloride	mg/l	Yearly	300		360		350		110		280		180		270		260		220		200		170		40					
Chromium	mg/l	Every 6 months		1600		1600		1600		1600		1600		1600		1600		1600		1600		1600		1600		1600		1600		
Fluoride	mg/l	Yearly		<0.1		<0.1		<0.1		0.4		<0.1		0.3		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1		
Iron	mg/l	Yearly		0.17		0.05		0.17		0.05		0.17		0.21		11		0.17		0.16		0.51		0.33		1.7		1.2		
Magnesium	mg/l	Yearly		0.05		0.05		0.05		0.05		0.05		0.01		0.01		0.01		0.01		0.01		0.01		0.01		0.01		
Manganese	mg/l	Yearly	370		380		380		380		380		380		380		380		380		380		380		380		380		380	
Mercury	mg/l	Yearly		0.53		0.62		0.7		0.55		0.62		0.44		0.5		0.56		0.43		0.29		0.14		0.17		0.14		
Nitrate	mg/l	Every 6 months	0.14	<0.01	0.06	<0.01	0.05	<0.01	0.03	0.07	0.03	0.03	0.06	0.03	0.03	0.01	0.009	0.007	0.014	0.021	0.087	0.048	0.069	0.03	<0.005	0.000				
pH	gH	Every 6 months	6.3	6.2	5.9	6.2	6	5.8	5.7	6.4	5.5	5.8	5.9	5.7	5.5	5.5	5.8	5.9	5.7	5.8	5.7	5.6	5.8	5.5	6.3	5.9	6.3			
Potassium	mg/l	Every 6 months	22		22		24		24		24		23		19		21		21		22		22		24		24		24	
Sodium	mg/l	Yearly		700		780		790		280		750		480		690		810		740		710		640		230		1.4		
Standing Water Level	metres	Every 6 months	82.37	82.26	82.15	82.24	82.03	82.23	81.975	81.995	81.885	82.090	81.940	81.995	81.965	81.845	81.740	82.080	81.740	81.970	81.620	81.875	81.565	81.810	81.880					
Sulphate	mg/l	Yearly		240		270		240		120		230		190		220		200		180		177		180		177		180		
Total Dissolved Solids	us/cm	Every 6 months	3200	6100	7100	6300	5400	5400	6400	2300	6000	3900	4200	5100	4800	5200	5000	4600	4300	4000	4200	1400	1100	1100	1100	1100				

E. coli		per 100ml	Every 6 months	<1												5204												
Monitoring Point 4		Location: Bore 5204																										
Pollutant	Unit	Monitoring frequency required by licence	Measurement 26 March 2012	Measurement 17 Sept 2012	Measurement 8th April 2013	Measurement 26 Sep 2013	Measurement 31 March 2014	Measurement 20 October 2014	Measurement 31 March 2015	Measurement 9 October 2015	Measurement 11th April 2016	Measurement 14th Nov 2016	Measurement 12th April 2017	Measurement 9th Sep 2017	Measurement 28th April 2018	Measurement 31st October 2018	Measurement 25th March 2019	Measurement 9 Sept 2019	Measurement 6 April 2020	Measurement 13 October 2020	Measurement 13 April 2021	Measurement 28 September 2021	Measurement 22 March 2022	Measurement 12 October 2022	Measurement 18 April 2023	Measurement 26 Sept 2023		
Alkalinity	mg/l	Yearly	770	630	630	520	520	400	400	400	400	400	400	400	400	400	390	390	390	390	390	390	390	390	380	380		
Ammonia	mg/l	Every 6 months	15	18	19	20	14	15	15	3.5	16	20	17	16	17	15	15	15	17	11	18	20	21	18	20	18	19	
Arsenic	mg/l	Yearly	<0.001			0.001		0.002		0.002		0.002		0.001		0.002		0.002		0.004		0.002		0.002		0.009		
Cadmium	mg/l	Yearly	<0.01		<0.01		<0.01		<0.05		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01	
Calcium	mg/l	Yearly	140	140	140	140	140	140	46	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	170		
Chloride	mg/l	Yearly	860	860	860	860	860	860	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720		
Chromium	mg/l	Every 6 months	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Fluoride	mg/l	Yearly	<0.1		<0.1		<0.1		<0.1		0.74		0.14		0.1		0.14		<0.1		<0.1		<0.1		<0.1		0.1	
Iron	mg/l	Yearly	0.17		0.33		0.33		1.1		1.3		1.5		0.92		1.3		1.9		2		2.6		4.5		4.5	
Lead	mg/l	Yearly	<0.05		<0.05		<0.05		<0.05		0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01	
Magnesium	mg/l	Yearly	140	130	130	130	130	130	41	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170		
Manganese	mg/l	Yearly	0.92	0.94	0.94	0.94	0.94	0.94	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93		
Mercury	mg/l	Yearly	<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001			
Nitrate	mg/l	Every 6 months	<0.01	0.02	0.05	<0.01	0.06	<0.01	<0.01	0.05	<0.01	0.05	<0.01	0.05	<0.01	0.08	<0.01	<0.01	<0.005	0.14	<0.005	0.047	0.041	<0.005	0.02	<0.005	<0.005	
pH	pH	Every 6 months	6.4	6.5	6.8	6.5	6.6	6.5	6.5	6.6	6.4	6.4	6.3	6.2	6.3	6.5	6.2	6.3	6.5	6.4	6.5	6.4	6.6	6.6	6.4	6.4		
Potassium	mg/l	Every 6 months	39	23	22	25	22	21	20	6.9	22	21	22	23	23	23	25	26	27	26	25	24	25	28	19	24		
Phosphorus	mg/l	Yearly	480	500	500	500	500	500	150	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500		
Staining Water Level	metres	Yearly	82.36	82.3	82.18	82.19	82.11	82.145	82.205	82.03	82.185	82.090	82.040	81.995	81.94	81.860	81.845	81.710	81.705	81.700	81.720	81.635	81.610	81.915	81.930	81.915		
Sulphate	mg/l	Yearly	110	130	160	75	230	330	360	400	400	510	450	500	500	500	500	500	500	500	500	500	500	500	500	500	500	
Total Dissolved Solids	us/cm	Every 6 months	2400	2300	2400	2200	2500	750	3000	3300	3600	4100	4500	4600	4800	5000	5200	5200	5000	5000	5000	5000	5000	5000	5000	5000	5000	
Total organic Carbon	mg/l	Yearly						17		6		54		14		13		18		14		14		17		14		14
E. coli	per 100ml	Every 6 months						<1		<1		<1		<1		<1		<1		1		<1		<1		<1		<1

Monitoring Point 7		Location: Bore 5202		5202																								
Pollutant	Unit	Monitoring frequency required by licence	Measurement 26 March 2012	Measurement 17 Sept 2012	Measurement 8 April 2013	Measurement 26 Sep 2013	Measurement 31 March 2014	Measurement 20 October 2015	Measurement 31 March 2015	Measurement 9 October 2015	Measurement 11th April 2016	Measurement 12th April 2017	Measurement 9th Sep 2017	Measurement 28th April 2018	Measurement 31st October 2018	Measurement 25th March 2019	Measurement 9 Sept 2019	Measurement 6 April 2020	Measurement 13 October 2020	Measurement 13 April 2021	Measurement 28 September 2021	Measurement 22 March 2022	Measurement 12 October 2022	Measurement 18 April 2023	Measurement 26 Sep 2023			
Alkalinity	mg/l	Yearly		140		130		190		300		450		700		640		620		590		530		490		470		
Ammonia	mg/l	Every 6 months	0.04	0.12	0.14	0.08	0.11	0.06	0	0.21	0.06	0.1	0.08	14	5.8	12	2.1	9.1	8.6	5.5	10	14	9.4	9.9	21			
Arsenic	mg/l	Yearly				0.002			0.012		0.007		0.002		<0.001		<0.001		0.01		0.004		0.002		<0.001	0.001		
Cadmium	mg/l	Yearly		<0.01		<0.01		<0.01		<0.05		<0.01		<0.01		<0.01		<0.01		<0.01		<0.001		<0.001	<0.001			
Calcium	mg/l	Yearly				44			53			70		70		140		180		140		180		180		180		
Chloride	mg/l	Yearly				400			500			550		640		700		840		930		970		1020		1400		
Chromium	mg/l	Yearly		<0.01	<0.01	<0.01	<0.01	<0.01	0	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01				
Fluoride	mg/l	Yearly		<0.1		<0.1		<0.1		0.18		0.14		0.18		0.2		0.14		0.14		0.14		0.17		0.13		
Iron	mg/l	Yearly		0.55		1.5		1.2		8		1.3		0.94		0.42		1.8		0.98		1.6		0.31		0.58		
Lead	mg/l	Yearly		<0.05		<0.05		<0.05		<0.05		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01	<0.01			
Magnesium	mg/l	Yearly		63		70		62		79		96		130		150		140		150		180		170		19		
Manganese	mg/l	Yearly				0.27			0.23		0.2		0.37		0.31		0.41		0.46		1.4		1.3		1.5		1.2	
Mercury	mg/l	Yearly		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		
Nitrate	mg/l	Every 6 months		<0.01	<0.01	<0.01	<0.01	<0.01	0	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.05	0.012	0.005	0.005	0.075	<0.0001			
pH	pH	Every 6 months		6.4	6.4	5.6	6.5	6.4	0	6.3	6.4	6.2	6.4	6.3	6.5	6.3	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.3	6.4	6.3		
Potassium	mg/l	Every 6 months		16	9.9	11	12	11	10	0	10	14	11	12	14	14	20	12	19	20	19	24	22	22	23	23		
Sodium	mg/l	Yearly				280			320		330		320		390		400		420		490		500		520		590	
Standing Water Level	metres	Every 6 months		82.44	82.24	82.28	82.27	82.24	82.055	82.15	82.165	82.11	82.265	82.120	82.150	82.055	81.99	81.975	81.970	81.870	81.955	81.820	81.820	81.745	81.765	82.050	82.025	
Sulphate	mg/l	Yearly				140			130			140		120		86		120		120		140		180		150		220
Total Dissolved Solids	us/cm	Every 6 months		1300	1200	1200	1400	1300	0	1400	1900	1700	1600	2200	1900	2600	2200	2500	2900	2800	3200	2900	2900	3700	3400			
Total organic Carbon	mg/l	Yearly						2.9		7.4		5.2		21		18		19		18		15		14		15		
E. coli	per 100ml	Every 6 months								<1		<1		<1		<1		<1		210	1	<1		<1		<1		

Monitoring Point 12

Monitoring Point 11

Monitoring Point 4

Location: Bore 5199

This bore is no longer active. A request has been submitted to NSW Office of Environment and

Heritage to delete this monitoring point from the Licence and to add 2 new monitoring points, being bores 5204 and 5205.

9423. Results for the 2 new bores are included with this data.

BROWN PARK

Above Filter

Pollutant	Unit	Monitoring frequency required by licence							Measurement 11th April 2016	Measurement 14th Nov 2016	Measurement 12th April 2017	Measurement 9th Sep 2017	Measurement 28th April 2018	Measurement 31st October	Measurement 25th March	Measurement 9 Sept 2019	Measurement 6 April 2020	Measurement 13 October 2020	Measurement 13 April 2021	Measurement 28 September	Measurement 22 March 2022	Measurement 12 October	Measurement 18 April 2023	Measurement 26 Sep 2023	
Alkalinity	mg/l																								
Ammonia	mg/l																								
Arsenic	mg/l																								
Cadmium	mg/l																								
Calcium	mg/l																								
Chloride	mg/l																								
Chromium	mg/l																								
Conductivity at 25°C	µS/cm	Every 6 months																							
Fluoride	mg/l																								
Iron	mg/l																								
Lead	mg/l																								
Magnesium	mg/l																								
Manganese	mg/l																								
Mercury	mg/l																								
Nitrate	mg/l	Every 6 months							0.025	0.03	<0.01	<0.01	0.18	0.025	0.084	0.2	0.1	0.0	<0.005	<0.005	0.22	0.062	<0.005		
Nitrogen as N	mg/l	Every 6 months							1.1	0.98	1	0.84	0.69	0.76	0.96	0.7	0.41	0.8	0.62	0.84	0.69	0.74	0.72	0.70	
pH																									
Phosphorous as P	mg/l	Every 6 months							0.12	0.27	0.11	0.15	0.074	0.14	0.061	0.11	0.11	0.13	0.16	0.095	0.110	0.140	14,000	0.088	
Potassium	mg/l																								
Sodium	mg/l																								
Sulphate	mg/l																								
Total Dissolved Solids	µS/cm	Every 6 months							99	85	73	46	80	61	82	55	49	64	51	52	64	38	51	60	
Turbidity	NTU	Every 6 months							70	100	16	45	35	87	57	96	50	64	60	58	37	74	38	47	

E.coli
BROWN BARK

BROWN PAR

..... End of report ..