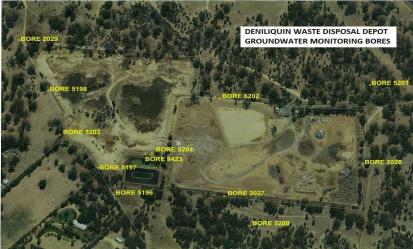


**POLLUTION MONITORING DATA SUMMARY
DENILINUIN WASTE DISPOSAL DEPOT**



Environment Protection Licence 6188 Link to full licence on EPA website:
<http://www.environment.nsw.gov.au/prpoelicense/ViewPOELicense.aspx?DOCID=31285&SYSUID=1&LICID=6188>
Licensee: Edward River Council, PO Box 220 Deniliquin NSW 2710

Licensee: Edward River Council, PO Box 270 Deniliquin NSW 2710

Monitoring Point 1

Location: Bore 5

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Monitoring Point 2

Location: Bore 5197

Monitoring Point 3

Location: Bore 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 Sep 2017	Measurement 28th April 2018	Measurement 31st October 2018	Measurement 25th March 2019	Measurement 9 Sept 2019	Measurement 6 April 2020	Measurement 13 April 2021	Measurement 13 April 2021	Measurement 28 September 2021	Measurement 22 March 2022	Measurement 20 October 2022	
Alkalinity	mg/l	Yearly		53		14		22		13		11		10		14		18		22		18		0.027	0.033
Amonia-n	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	0.18	0.13	<0.012	0.054	0.048	0.027	0.027	0.033	0.027	0.027	0.027	
Arsenic	mg/l	Yearly		<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Cadmium	mg/l	Yearly		<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	
Calcium	mg/l	Yearly		300		360		350		110		280		180		270		260		220		200		170	
Chloride	mg/l	Yearly		2600		2800		2800		800		2400		1600		2200		2000		1800		1700		1600	
Iron	mg/l	Yearly		100		100		100		100		100		100		100		100		100		100		100	
Magnesium	mg/l	Yearly		100		100		100		100		100		100		100		100		100		100		100	
Manganese	mg/l	Yearly		0.53		0.62		0.62		0.7		0.53		0.62		0.68		0.5		0.55		0.43		0.5	
Molybdenum	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	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Nitrate	mg/l	Every 6 months	0.14	<0.01	0.06	<0.01	0.05	<0.01	0.03	0.07	0.03	0.03	0.06	0.03	0.03	0.03	<0.01	0.009	0.007	0.014	0.021	0.087	0.048	0.069	0.03
pH	pH	Every 6 months	6.3	6.2	5.9	6.2	6	5.8	5.7	6.4	5.5	5.8	5.7	5.5	5.5	5.8	5.9	5.7	5.8	5.7	5.6	5.8	5.5	5.6	5.6
Potassium	mg/l	Every 6 months	22	21	22	24	24	23	24	10	23	23	19	18	21	23	27	24	22	23	22	21	24	24	24
Standby Water Level	metres	Every 6 months	82.37	83.26	82.15	82.24	82.03	82.33	81.975	81.995	81.885	82.090	81.940	81.995	81.965	81.845	81.740	81.745	82.080	81.740	81.970	81.620	81.875	81.545	
Sulphate	mg/l	Yearly		240		270		240		230		170		190		240		220		200		200		180	
Total Dissolved Solids	mg/cm³	Every 6 months	3200	6100	7100	6300	5400	5400	6400	2300	6000	6400	3900	3900	4200	5100	4800	5200	5000	5000	4600	4300	4000	4200	
Total organic Carbon	mg/l	Yearly							1.1		1.8		3.8		2.3		1.4		1.6		1.5		1.5		

Monitoring Point 8

Location: Bore 2026

Pollutant	Unit	Monitoring frequency required by licence	2026																						
			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 Oct 2020	Measurement 13 April 2021	Measurement 28 September 2021	Measurement 22 March 2022	Measurement 12 October 2022	
Alkalinity	mg/l	Yearly	79	76	71	84	91	27	95	110	110	110	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Ammonia	mg/l	Every 6 months	<0.01	0.06	0.19	0.1	0.15	0.21	0.1	0.46	0.4	0.03	0.53	<0.01	0.09	0.33	0.039	<0.012	<0.02	0.051	<0.02	<0.02	<0.01		
Arsenic	mg/l	Yearly	<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	<0.01	<0.01	<0.01	<0.01	<0.01		
Cadmium	mg/l	Yearly	<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		
Calcium	mg/l	Yearly	170	200	280	230	220	6.1	280	260	260	260	260	260	260	260	260	260	260	260	260	260	260		
Chloride	mg/l	Yearly	2000	2400	3200	3100	3700	30	4700	4900	5100	5100	5100	5100	5100	5100	5100	5100	5100	5100	5100	5100	5100		
Chromium	mg/l	Every 6 months	<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		
Fluoride	mg/l	Yearly	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Iron	mg/l	Yearly	0.14	0.45	0.29	1.2	0.51	0.18	0.26	0.55	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	
Lead	mg/l	Yearly	<0.05	<0.05	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Magnesium	mg/l	Yearly	260	290	340	340	380	4.2	540	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	
Manganese	mg/l	Yearly	0.69	0.89	0.42	0.81	0.9	0.02	0.26	0.33	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.13	0.09	0.08	0.08	0.08	0.08	
Mercury	mg/l	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<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	0.21	0.18	0.17	0.21	0.51	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
pH	unit	Every 6 months	6.2	6.2	6.1	6.1	6.3	6.1	5.6	6.1	6.1	5.8	6.0	6.1	6.3	6.0	6.1	6.1	6.1	6.0	6.0	6.0	6.0	6.0	
Potassium	mg/l	Every 6 months	20	13	14	16	16	16	17	15	17	18	1.3	19	19	20	18	16	16	15	15	14	14	14	
Sodium	mg/l	Yearly	830	1100	1600	1500	1700	23	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	
Standing Water Level	metres	Every 6 months	82.52	82.5	82.38	82.44	82.26	82.22	82.14	82.355	82.210	82.250	82.075	81.980	81.985	81.855	81.850	81.800	81.840	81.775	81.815	81.770	81.815	81.815	
Sulphate	mg/l	Yearly	460	580	820	950	12	12	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	
Total Dissolved Solids	us/cm	Every 6 months	3900	4500	5900	5400	6200	6500	6700	7200	6400	8600	8000	120	9000	11000	11000	11000	11000	11000	11000	11000	11000	11000	11000
Total organic Carbon	mg/l	Yearly	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
E.coli	per100ml	Every 6 months	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Monitoring Point 9

Location: Bore 2027

Pollutant	Unit	Monitoring frequency required by licence	2027																					
			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 Oct 2020	Measurement 13 April 2021	Measurement 28 September 2021	Measurement 22 March 2022	Measurement 12 October 2022
Alkalinity	mg/l	Yearly	29	58	42	42	42	28	47	53	57	64	68	64	68	64	68	64	68	64	68	64	68	64
Ammonia	mg/l	Every 6 months	0.13	0.14	0.29	0.37	0.44	0.21	0.41	0.45	0.45	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Arsenic	mg/l	Yearly	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cadmium	mg/l	Yearly	<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
Calcium	mg/l	Yearly	280	260	280	290	270	21	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330
Chloride	mg/l	Yearly	2700	3000	2700	2200	2200	1500	1300	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
Chromium	mg/l	Every 6 months	<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
Fluoride	mg/l	Yearly	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron	mg/l	Yearly	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Magnesium	mg/l	Yearly	1.5	1.3	0.93	0.94	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Manganese	mg/l	Yearly	440	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380
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	<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	0.01	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	0.01
pH	pH	Every 6 months	5.5	5.7	5.5	5.6	5.4	5.4	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
Potassium	mg/l	Every 6 months	36	21	20	23	21	17	19	18	16	14	15	13	14	13	13	13	13	15	16	17	16	17
Sodium	mg/l	Yearly	1000	920	850	720	720	570	490	490	490	490												

..... End of report