

Uralla - Monthly Monitoring Results

Licence Nos. 1626 (STP), 1629 (WTP)

Note: this page is updated monthly

Uralla Council - 2023/24		Analysis performed by Lanfax Laboratories, Armidale																								
Uralla Water Treatment Works - Lic. 1629															Licence Period 1April 2023 to 31 March 2024											
Parameter/month	Licence	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Minimum	Average	Maximum	100th	Parameter								
Sample date	Limits	28-Apr	31-May	29-Jun	27-Jul	31-Aug	29-Sep	31-Oct	29-Nov								percentile									
BOD5	mg/L	20	1.5	2.3	2.4	2.2	1.2	1.8	0.9	2.1				0.9	1.8	2.4	2.4	BOD5								
TSS	mg/L	30	5	5	5	7.5	1.5	3	3	3				2	4	8	7.5	TSS								
TOG	mg/L	n.t.	not tested	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.					TOG								
pH		6.5-8.5	6.72	7.18	7.06	6.72	4.27	7.55	7.61	7.75				4.27	6.86	7.75	7.8	pH								
NH3-N	mg/L	n.t.	not tested	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.													
NOx-N	mg/L	n.t.	not tested	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.													
TKN	mg/L	n.t.	not tested	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.													
TN	mg/L	n.t.	not tested	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.													
TP	mg/L	n.t.	not tested	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.													
ortho-P	mg/L	n.t.	not tested	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.													
Aluminium	mg/L	no limit	<0.005	0.015	<0.005	0.009	74	<0.005	0.044	0.041				0.01	<0.005	<0.005	<0.005	Aluminium								
EC	uS/cm	no limit	428	465	466	645	1025	700	738	706				428	647	1025	1025	EC								
Uralla Sewage Treatment Plant - Lic. 1626															Licence Period 1April 2023 to 31 March 2024								Special conditions			
Parameter/month	Licence	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Minimum	Average	Maximum	90th	Parameter	Jun-Sep		Oct-May					
Sample date	Limits	28-Apr	31-May	29-Jun	27-Jul	31-Aug	29-Sep	31-Oct	29-Nov								percentile		Licence	90th %ile	Licence	90th %ile				
BOD5	mg/L	15	2.0	2	6.9	5	4.2	5	3.2	1.5				1.5	3.7	6.9	5.6	BOD5	15	6.3	15	2.8				
TSS	mg/L	20	3	8	20	5	7.5	13	3	2.5				3	8	20	15	TSS	20	17.9	20	6.5				
TOG	mg/L	10	<10	<5	<10	<10	<10	<10	<10	<10				<5	<5	<5	<5	TOG	10	<5	10	<5				
pH		6.5-8.5	7.23	7.38	6.8	6.93	7.07	7	7.95	7.83				6.80	7.27	7.95	7.9	pH	6.5-8.5	7.05	6.5-8.5	7.91				
NH3-N	mg/L	1	0.97	0.56	2.78	2.23	1.66	2.49	4.15	0.75				0.56	1.95	4.15	3.2	NH3-N	5	2.69	1	3.2				
NOx-N	mg/L	no limit	1.14	1.86	0.47	0.37	0.29	0.79	0.93	1.6				0.29	0.93	1.86	1.7	NOx-N								
TKN	mg/L	no limit	3.8	1.74	6.5	6.03	3.41	4.91	4.37	0.2				0.20	3.87	6.50	6.2	TKN								
TN	mg/L	10	4.9	3.6	7	6.4	3.7	5.7	5.3	1.8				1.80	4.80	7.00	6.6	TN	15	6.8	10	5.2				
TP	mg/L	1	0.07	0.06	0.35	0.41	0.24	0.24	0.25	0.08				0.06	0.21	0.41	0.4	TP	1	0.39	1	0.20				
ortho-P	mg/L	no limit	0.035	0.01	0.268	0.13	0.012	0.046	0.076	0.039				0.01	0.08	0.27	0.2	ortho-P								
Aluminium	mg/L	no limit	0.022	0.045	0.08	0.134	0.021	0.016	0.044	0.036				0.02	0.05	0.13	0.1	Aluminium								
EC	uS/cm	no limit	693	680	810	945	950	1134	840	756				680	851	1134	1005	EC								
FC	cfu/100 ml	200	10	1	36	<1	28	<1	>5000	300				1	75	300	194	FC	200	35.2	200	242				
														lower 90th percentile limit OCT-MAY, upper 90th percentile limit JUN-SEP					Note: 90th percentile lower limit OCT-MAY, 90th percentile upper limit JUN-SEP							
																			All units mg/L, except pH (units); EC uS/cm; FC cfu/100 mL							
																			Note: FC as zero is actually <1 cfu/100 mL							