

Summary of monthly discharge measurements for the licence period 1st April 2022 to 31st March 2023

Uralla STP Final		Licence Period 1 April 2022 to 31 March 2023													Licence Period 1 April 2022 to 31 March 2023				Special conditions				
Parameter/month	Licence	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Minimum	Average	Maximum	90th	Parameter	Jun-Sep		Oct-May		
Sample date	Limits	26-Apr	31-May	29-Jun	28-Jul	31-Aug	07-Oct	31-Oct	30-Nov	29-Dec	31-Jan	28-Feb	29-Mar				percentile		Licence	90th %ile	Licence	90th %ile	
BOD5	mg/L	15	1.2	7.5	2.1	2.1	1.8	4.9	3	6.8	3.9	2.6	1.5	6.2	1.2	3.6	7.5	6.7	BOD5	15	4.1	15	7.0
TSS	mg/L	20	3	15	5	5	5	10	10	15	5	20	2.5	5	3	8	20	15	TSS	20	8.5	20	16.5
TOG	mg/L	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	TOG	10	<5	10	<5
pH		6.5-8.5	7.5	7.52	7.05	7.07	6.85	7.4	6.62	7.23	7.4	7.43	7.51	7.69	6.62	7.27	7.69	7.5	pH	6.5-8.5	7.30	6.5-8.5	7.57
NH3-N	mg/L	1	0.43	0.34	0.69	2.36	0.79	10.15	1.36	0.15	0.91	0.42	0.87	0.79	0.15	1.61	10.15	2.3	NH3-N	5	7.81	1	1.0
NOx-N	mg/L	no limit	0.82	0.84	0.95	0.92	0.6	0.11	1.27	3.8	4.17	0.88	1.81	2.7	0.11	1.57	4.17	3.7	NOx-N				
TKN	mg/L	no limit	4	2.16	2.05	4.2	3.7	13.2	3.1	2.8	4.33	2.32	0.99	2.4	0.99	3.77	13.20	4.3	TKN				
TN	mg/L	10	4.8	3	3	5.1	4.3	13.3	4.4	6.6	8.5	3.2	2.8	5.1	2.80	5.34	13.30	8.3	TN	15	10.8	10	7.2
TP	mg/L	1	0.05	0.42	0.05	0.69	0.03	0.68	0.19	0.06	0.393	0.16	0.05	0.4	0.03	0.26	0.69	0.7	TP	1	0.69	1	0.41
ortho-P	mg/L	no limit	0.038	0.225	0.01	0.472	0.028	0.306	0.179	<0.005	0.13	0.11	0.023	0.314	0.01	0.17	0.47	0.3	ortho-P				
Aluminium	mg/L	no limit	0.064	<0.005	0.014	<0.005	0.011	0.058	0.055	0.031	0.03	<0.005	<0.005	<0.005	0.01	0.04	0.06	0.1	Aluminium				
EC	uS/cm	no limit	611	703	788	687	681	587	499	611	656	637	637	714	499	651	788	713	EC				
FC	cfu/100 mL	200	5	1	<1	<2	<1	14	1	<1	200	5	<1	160	1	55	200	176	FC	200	14	200	180
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									

Note: The licence limits are imposed upon two seasonal conditions, referred to as ‘special conditions’: JUN-SEP for colder months and OCT-MAY for other months.

Licence conformance is based upon 90th percentile value for each ‘special conditions’ period.

The only condition not met was the 90th percentile condition for Ammonia-N during the winter period, due to an aberration in the performance of the catch balance tank that was rectified and the levels returned to within the parameters.