

Summary of monthly discharge measurements for the licence period 1st April 2020 to 31st March 2021

Uralla STP Final		Licence Period 1 April 2020 to 31 March 2021													Licence Period 1 April 2020 to 31 March 2021				Special conditions				
Parameter/month	Licence	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Minimum	Average	Maximum	90th percentile	Parameter	Jun-Sep	Oct-May			
Sample date	Limits	30-Apr	29-May	29-Jun	30-Jul	31-Aug	30-Sep	29-Oct	27-Nov	22-Dec	29-Jan	25-Feb	30-Mar						Licence	90th %ile	Licence	90th %ile	
BOD5	mg/L	15	5	3	2.6	0.9	1.7	2.3	5.1	3.6	4.2	2	3	1.8	0.9	2.9	5.1	4.9	BOD5	15	2.5	15	5.0
TSS	mg/L	20	5	3	15	5	3	2.5	13	3	12.5	3	5	8	3	7	15	13	TSS	20	12	20	12.65
TOG	mg/L	10	7.37	<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	<5	7.49	7.56	7.34	7.04	7.35	7.26	7.26	7.09	7.26	7.21	7.39	7.04	7.30	7.56	7.5	pH	6.5-8.5	7.50	6.5-8.5	7.43
NH3-N	mg/L	1	0.53	0.42	1.92	1.11	1.54	1.29	0.89	1.38	0.55	0.88	0.83	0.71	0.42	1.00	1.92	1.5	NH3-N	5	1.81	1	1.0
NOx-N	mg/L	no limit	2.28	2.33	0.82	1.61	0.92	0.77	1.22	0.78	3.05	0.5	1.4	1.32	0.50	1.42	3.05	2.3	NOx-N				
TKN	mg/L	no limit	2.32	1.07	3.08	2.19	3.7	1.7	2.98	3.72	2.35	3.4	4.9	2.48	1.07	2.82	4.90	3.7	TKN				
TN	mg/L	10	4.6	3.4	3.9	3.8	4.6	2.5	4.2	4.5	5.4	3.9	6.3	3.8	2.50	4.24	6.30	5.3	TN	15	4.4	10	5.7
TP	mg/L	1	0.084	0.058	0.102	0.052	0.1	0.06	0.15	0.1	0.23	0.5	0.09	0.11	0.05	0.14	0.50	0.2	TP	1	0.10	1	0.31
ortho-P	mg/L	no limit	0.02	0.18	0.04	<0.02	0.06	0.04	0.01	0.076	0.17	0.02	0.02	0.073	0.01	0.06	0.18	0.2	ortho-P				
Aluminium	mg/L	no limit	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.105	0.11	0.11	0.11	0.1	Aluminium				
EC	uS/cm	no limit	1315	1054	1158	809	847	818	785	776	579	730	759	660	579	858	1315	1148	EC				
FC	cfu/100 ml	200	7	36	2	<1	<1	<1	<1	240	<1	48	<1	<1	2	67	240	163	FC	200	2	200	182
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.