

Summary of monthly discharge measurements for the licence period 1st April 2019 to 31st March 2020

Uralla STP Final		Licence Period 1 April 2019 to 31 March 2020													Licence Period 1 April 2019 to 31 March 2020				Special conditions				
Parameter/month	Licence	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Minimum	Average	Maximum	90th percentile	Parameter	Jun-Sep	Oct-May			
Sample date	Limits	26-Apr	31-May	26-Jun	31-Jul	29-Aug	27-Sep	31-Oct	29-Nov	30-Dec	30-Jan	28-Feb	31-Mar						Licence	90th %ile	Licence	90th %ile	
BOD5	mg/L	15	1.8	3.4	1.2	3	5.3	3.9	2.4	1.7	3.6	5.3	4.7	9.9	1.2	3.9	9.9	5.3	BOD5	15	4.9	15	6.7
TSS	mg/L	20	8	3	8	13	13	3	5	2.5	10	3	10	5	3	7	13	13	TSS	20	13	20	10
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	6.72	7.15	6.92	6.86	7.62	7.04	7.29	7.66	7.64	7.73	7.23	7.71	6.72	7.30	7.73	7.7	pH	6.5-8.5	7.45	6.5-8.5	7.72
NH3-N	mg/L	1	0.66	0.6	0.84	1.41	0.4	1.24	1.03	0.4	0.15	0.48	0.79	0.98	0.15	0.75	1.41	1.2	NH3-N	5	1.36	1	1.0
NOx-N	mg/L	no limit	1.97	2.13	0.32	0.51	1.38	2.57	0.83	0.46	1.3	1.9	2.23	2.47	0.32	1.51	2.57	2.4	NOx-N				
TKN	mg/L	no limit	1.1	3.3	4.4	4.6	2.4	1.9	2.87	0.94	3.7	2.4	3.97	3.33	0.94	2.91	4.60	4.4	TKN				
TN	mg/L	10	3.1	5.4	4.7	5.1	3.8	4.5	3.7	1.4	5	4.3	6.2	5.8	1.40	4.42	6.20	5.8	TN	15	5.0	10	5.9
TP	mg/L	1	0.083	0.125	0.11	0.262	0.414	0.164	0.02	0.055	0.078	0.253	0.16	0.229	0.02	0.16	0.41	0.3	TP	1	0.37	1	0.24
ortho-P	mg/L	no limit	0.02	0.084	0.05	0.168	0.21	0.072	<0.02	0.042	0.276	0.073	<0.01	0.03	0.02	0.10	0.28	0.2	ortho-P				
Aluminium	mg/L	no limit	0.018	0.102	<0.005	<0.005	0.039	0.049	<0.005	<0.005	<0.005	0.051	<0.005	<0.005	0.02	0.05	0.10	0.1	Aluminium				
EC	uS/cm	no limit	942	932	806	890	886	957	581	453	920	1052	1045	1456	453	910	1456	1051	EC				
FC	cfu/100 ml	200	<1	<1	14	1	<1	<1	<1	<1	<1	96	89	1	1	40	96	93	FC	200	12.7	200	95
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.