

EPA licence number	836
Licence web link	<a href="https://www.narrandera.nsw.gov.au/environment/sewer/environmental-compliance">https://www.narrandera.nsw.gov.au/environment/sewer/environmental-compliance</a>
Licencee	Narrandera Shire Council
Licencee's address	141 East Street NARRANDERA NSW 2700
Monitoring point	1
Sampling frequency	Minimum of 6 per year

**INLET DATA**

Sample date	Data Received	Data published	BOD Biochemical Oxygen Demand mg/L	pH pH units	Susp.Solids Susp_solids mg/L	T.Diss Solids TDS mg/L	Tot.Phosp (asP) Total_P mg/L P	Total Nitrogen Total_N mg/L N
3/03/2020	4/03/2020	14/05/2021	179	7.28	180	280	5.54	45.2
22/04/2020	24/04/2020	14/05/2021	284	7.75	304	725	6.72	57.4
21/07/2020	23/07/2020	14/05/2021	236	7.86	203	530	6.82	54.4
19/08/2020	21/08/2020	14/05/2021	148	7.56	158	577	4.86	42.2
19/10/2020	21/10/2020	14/05/2021	189	7.32	223	686	6.04	52.2
25/11/2020	27/11/2020	14/05/2021	232	7.47	84	288	8.66	70
<b>Licence Limit</b>			N/A	N/A	N/A	N/A	N/A	N/A

**OUTLET DATA**

Sample date	Data Received	Data published	Ammonia (asN) mg/L N	BOD Biochemical Oxygen Demand mg/L	Chlorophyll 'a' ug/L	Conductivity SpC uS/cm	Corr Susp Solid mg/L	Diss. Calcium mg/L	Diss. Magnesium mg/L	Diss. Sodium mg/L	Faecal Coliform Env. Pres_Count CFU/100mL	Faecal Coliform Env. Conf_Count CFU/100mL	Nitrate (asN) mg/L N	Nitrite (asN) mg/L N	pH pH units	Sodium Adsorp.R Ratio	Susp.Solids mg/L	T.Diss Solids TDS mg/L	T.Kjel.N (calc) TKN_calc mg/L N	T.Oxid Nit(asN) Oxidised_N (NOx) (Nitrite plus Nitrate) mg/L N	Tot Oil & Grease mg/L	Tot.Phosp (asP) Total_P mg/L P	Total Nitrogen Total_N mg/L N	Flow kL
3/03/2020	4/03/2020	14/05/2021	1.5	2	255	904	<2	17.8	19.3	110	100	100	1.48	0.12	7.33	4.31	13	528	2.36	1.6	<1	0.5	3.96	1044
22/04/2020	24/04/2020	14/05/2021	4.2	3	61.7	1330	5	21.2	26.9	182	980	980	1.02	0.12	7.86	6.2	11	725	4.35	1.14	<1	0.65	5.49	1036
21/07/2020	23/07/2020	14/05/2021	1.2	3	3.66	949	10	17.8	19.4	109	230	230	1.67	0.05	7.8	4.24	10	517	2.02	1.72	<1	0.36	3.74	1100
19/08/2020	21/08/2020	14/05/2021	1.9	3	2.69	1020	5	20.1	20.5	129	10	2	1.13	0.06	7.82	4.84	5	606	2.63	1.19	<1	0.22	3.82	753
19/10/2020	21/10/2020	14/05/2021	2	3	1.5	1130	5	21.7	23.5	133	36	36	0.66	0.05	7.31	4.7	5	624	2.68	0.71	<1	0.24	3.39	907
25/11/2020	27/11/2020	14/05/2021	4.6	3	7.17	990	4	18.8	19.2	112	40	32	1.02	0.12	7.63	4.36	4	491	5.62	1.14	<1	0.37	6.76	948
<b>Licence Limit</b>			N/A	20	N/A	N/A	N/A	N/A	N/A	N/A	200	200	N/A	N/A	6.5-8.5	N/A	30	N/A	N/A	N/A	10	1	N/A	N/A

**COMMENTARY**

3/03/2020	Normal inlet and outlet results. Elevated Chlorophyll 'a' indicative of increased algal growth due to warmer sunnier weather. Increased outlet suspended solids and increased Faecal Coliform count indicative of algal growth interfering with
22/04/2020	Normal inlet results. Elevated faecal coliform results due to lowered UV kill rate caused by breakdown in upstream filter on the previous day.
21/07/2020	Normal inlet results. Elevated faecal coliform results due to poor UV kill rate. UV unit underwent scheduled service the following week, improving kill rates immediately.
19/08/2020	Normal inlet and outlet results. Plant operating correctly.
19/10/2020	Normal inlet and outlet results. Plant operating correctly.
25/11/2020	Normal inlet and outlet results. Plant operating correctly.