

Environmental Protection Licence EPL 1805
Yass Valley Council, PO Box 6, Yass, NSW 2582
Yass Water Treatment Plant, Cooks Hill Road, YASS, NSW 2582

Link to Public Register: <https://www.epa.nsw.gov.au/licensing-and-regulation/public-registers/about-prpoeo>

Results of Effluent Quality at Yass Water Treatment Plant Backwash Pond
Monitoring Frequency :Monthly (from Nov 2020)

Sampled Date	Results Received Date	Publishing Date	Pollutant		Comment
			pH units	Suspended Solids, mg/L	
			Limit: 6.5-8.5	Limit: 50	
12.01.12	29.05.12	29.05.12	7.4	10	
07.03.12	29.05.12	29.05.12	7.0	31	
09.05.12	29.05.12	29.05.12	7.8	4	
12.07.12	18.07.12	18.07.12	7.7	12	
04.09.12	10.09.12	10.09.12	7.7	10	
07.11.12	16.11.12	16.11.12	7.6	11	
17.01.13	24.01.13	24.01.13	7.8	11	
20.03.13	25.03.13	25.03.13	7.6	<2	
15.05.13	22.05.13	22.05.13	7.9	5	
11.07.13	17.07.13	17.07.13	8.2	4	
11.09.13	18.09.13	18.09.13	8.0	3	
13.11.13	20.11.13	21.11.13	7.8	6	
22.01.14	03.02.14	03.02.14	7.9	3	
19.03.14	26.03.14	26.03.14	8.02	8	
08.05.14	19.05.14	20.05.14	7.83	10	
17.07.14	21.07.14	21.07.14	7.98	7	
10.09.14	18.09.14	19.09.14	7.92	6	
20.11.14	27.11.14	27.11.14	8.3	9	
15.01.15	22.01.15	23.01.15	8.13	31	
12.03.15	19.03.15	19.03.15	7.91	15	
14.05.15	26.05.15	26.05.15	8.04	10	
16.07.15	24.07.15	27.07.15	8.16	4	
17.09.15	29.09.15	30.09.15	8.08	11	
11.11.15	18.11.15	20.11.15	8.25	5	
13.01.16	20.01.16	28.01.16	8.19	5	
17.03.16	24.03.16	24.03.16	8.28	7	
12.05.16	23.05.16	24.05.16	7.55	6	
14.07.16	21.07.16	21.07.16	7.73	18	
08.09.16	19.09.16	20.09.16	7.60	73	Extreme and consecutive wet weather events caused excessive flow in the backwash settling pond
17.11.16	28.11.16	29.11.16	8.10	16	
12.01.17	17.01.17	18.01.17	8.24	5	
09.03.17	16.03.17	17.03.17	8.38	6	
19.05.17	25.05.17	26.05.17	8.18	5	
20.07.17	27.07.17	28.07.17	8.04	4	
12.09.17	14.09.17	18.09.17	8.13	21	
16.11.17	22.11.17	24.11.17	8.23	4	

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10.01.18	17.01.18	18.01.18	7.89	8	
08.03.18	19.03.18	20.03.18	7.71	8	
10.05.18	16.05.18	18.05.18	8.06	13	
12.07.18	17.07.18	18.07.18	8.11	9	
06.09.18	13.09.18	14.09.18	8.09	7	
09.11.18	15.11.18	19.11.18	8.00	9	
03.01.19	09.01.19	10.01.19	8.05	20	
04.03.19	13.03.19	18.03.19	8.00	5	
09.05.19	17.05.19	20.05.19	7.93	41	
04.07.19	16.07.19	17.07.19	8.37	11	
04.09.19	10.09.19	11.09.19	8.15	<2	
14.11.19	25.11.19	26.11.19	8.57	<2	Due to the prevailing drought, pH increased in the raw water (Yass Dam water) and subsequently in the backwash pond due to higher evaporation.
09.01.20	17.01.20	18.01.20	8.57	4	
19.03.20	31.03.20	21.05.20	8.09	18	
14.05.20	18.05.20	21.05.20	8.06	8	
08.07.20	16.07.20	16.07.20	8.03	9	
17.09.20	22.09.20	23.09.20	8.03	8	
11.11.20	17.11.20	19.11.20	7.94	32	
16.12.20	24.12.20	04.01.21	8.00	40	
03.02.21	12.02.21	15.02.21	7.95	9	
04.03.21	15.03.21	16.03.21	8.15	4	
14.04.21	20.04.21	23.04.21	6.97	46	
06.05.21	13.05.21	24.06.21	7.58	53	Wet weather event on 4th May 2021 caused increase in SS
10.06.21	22.06.21	24.06.21	7.75	12	
14.07.21	21.07.21	30.07.21	7.64	40	
04.08.21	12.08.21	16.08.21	7.78	78	Wet weather event on 3rd August 2021 (10mm) and 4th August 2021 (14.4mm) along with strong wind caused increase in SS
07.10.21	14.10.21	19.11.21	7.79	11	
03.11.21	10.11.21	19.11.21	7.95	17	
08.12.21	14.12.21	20.12.21	7.03	105	Heavy rain overnight on 7th December and also on the sampling day 8th December increased the SS
05.01.22	13.01.22	14.01.22	7.36	6	
02.02.22	10.02.22	10.02.22	7.97	5	
03.03.22	15.03.22	17.03.22	8.1	7	
07.04.22	20.04.22	20.04.22	8.16	7	

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11.05.22	20.05.22	24.05.22	8.25	2	
15.06.22	21.06.22	22.06.22	7.55	19	
06.07.22	14.07.22	14.07.22	7.83	20	
11.08.22	18.08.22	19.08.22	7.65	73	Extreme rainfall and major floods at 3. 4 and 5th August has caused increase in SS
14.09.22	23.09.22	26.09.22	8.18	12	
05.10.22	14.10.22	24.10.22	7.77	112	Prevailing rainfalls over the first week of October has caused excessive flow and increased the SS in the lagoons.
03.11.22	14.11.22	15.11.22	6.95	18	
05.12.22	08.12.22	09.12.22	7.73	13	
12.01.23	17.01.23	17.01.23	8.13	7	
03.02.23	08.02.23	08.02.23	8.18	7	
09.03.23	21.03.23	21.03.23	8.36	6	
04.04.23	17.04.23	17.04.23	8.28	4	
04.05.23	11.05.23	11.05.23	8.26	3	
13.06.23	21.06.23	21.06.23	7.96	14	
14.07.23	25.07.23	26.07.23	7.93	7	
03.08.23	14.08.23	18.09.23	8.1	4	
06.09.23	12.09.23	18.09.23	8.24	5	
12.10.23	23.10.23	24.10.23	8.25	<2	
08.11.23	16.11.23	17.11.23	8.29	5	
07.12.23	18.12.23	19.12.23	8.32	9	
11.01.24	17.01.24	18.01.24	7.84	11	
09.02.24	19.02.24	20.02.24	7.49	42	
08.03.24	18.03.24	20.03.24	7.35	122	During boil-water alert period, by-passing of clarified water was required, and this increased flow caused resuspension of settled solids.
11.04.24	22.04.24	10.05.24	7.61	8	
09.05.24	15.05.24	16.05.24	7.83	14	
05.06.24	13.06.24	14.06.24	8.06	5	
04.07.24	11.07.24	12.07.24	7.64	12	