

# Water Treatment Plant - Analytical Results

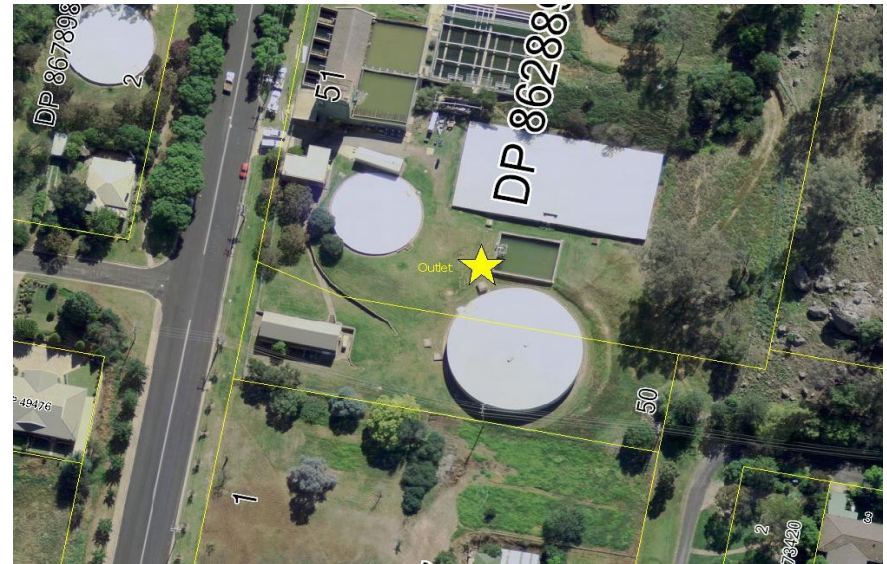


EPA License Number **1572**

Link to Licence <https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=1572&id=1572&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued>

See link above for full licence details

**Licensee Name** Cowra Shire Council  
**Licensee Address** Private Bag 342, Cowra NSW 2794  
**Location of Monitoring Point** CWTP - Brisbane Street, COWRA NSW 2794, LOT 50DP 86289, LOT 51DP  
**Scheduled Activity** Water Treatment Plant- Miscellaneous licenced discharge to waters (at any  
**Scale** > 100 -1000 ML discharged  
**Unit/s of Measure** Listed below  
**Monitoring points** Outlet into stormwater drain discharging to Lachlan River  
**Date Published** 28/02/2023  
**Frequency of Monitoring** Monthly during  
**Volume & Mass Limit** 1200KL per day  
**Link to Latest Weather Observations for Cowra**



<http://www.bom.gov.au/climate/dwo/IDCJDW2038.latest.shtml>

**\* Note:** Flow data is daily discharge, figures reported correspond with the monthly samples for other licence parameters

Unit of measure	pH	mg/L	mg/L	mg/L	mg/L N	uS/cm	kL/day *
Date	pH	Suspended Solids	Total Oil & Grease	BOD	Total Aluminium	Electrical Conductivity	Flow
1-Mar-09	0.0	0.0	0.0	0.0	0.00		0
1-Apr-09	0.0	0.0	0.0	0.0	0.00		0
21-May-09	8.0	<2	<1	<2	0.34		32
18-Jun-09	8.0	2.0	<1	<2	0.33		32
16-Jul-09	7.9	<2	<1	<2	0.31		32
20-Aug-09	8.3	3.0	<1	<2	0.28		32
17-Sep-09	7.9	3.0	<1	<2	0.31		32
14-Oct-09	7.9	2.0	<1	<2	0.21		32
19-Nov-09	7.9	8.0	<1	<2	0.34		32
16-Dec-09	7.9	8.0	<1	2.0	0.30		32
21-Jan-10	7.7	3.0	<1	<2	0.41		32
18-Feb-10	7.7	9.0	<1	<2	0.62		32
18-Mar-10	7.9	7.0	<1	<2	0.30		32
3-May-10	8.0	11.0	<1	<2	0.66		32
20-May-10	7.9	7.0	<1	<2	0.58		32
17-Jun-10	7.9	6.0	<1	2.0	0.57		32
15-Jul-10	8.0	4.0	<1	<2	0.36		32
19-Aug-10	7.7	15.0	<1	<2	0.76		32
30-Sep-10	7.9	11.0	<1	<2	0.70		32
21-Oct-10	7.7	16.0	<1	<2	1.70		32
11-Nov-10	8.0	14.0	<1	<2	1.70		32
16-Dec-10	8.4	10.0	<1	<2	0.34		32
24-Jan-11	8.2	7.0	<1	<2	0.32		32
17-Feb-11	8.1	12.0	<1	<2	0.63		32
17-Mar-11	8.1	4.0	<1	<2	0.45		32
2-May-11	8.1	4.0	<1	<2	0.53		32
19-May-11	8.1	4.0	<1	<2	0.43		32
16-Jun-11	8.0	2.0	<1	<2	0.32		32
22-Jul-11	8.0	4.0	<1	<2	0.46		32
18-Aug-11	8.0	3.0	<1	<2	0.42		32
15-Sep-11	7.9	3.0	<1	<2	0.35		32
24-Oct-11	7.6	3.0	<1	<2	0.28		32
24-Nov-11	8.0	4.0	<1	<2	0.48		32
14-Dec-11	7.9	4.0	<1	<2	0.36		32
20-Jan-12	8.0	2.0	<1	<2	0.39		32
21-Feb-12	7.8	7.0	<1	<2	0.82		32
19-Mar-12	8.0	7.0	1.0	<2	1.10		32
20-Apr-12	8.0	7.0	<1	<2	1.30		32
17-May-12	8.0	4.0	<1	<2	0.88		32
21-Jun-12	7.9	5.0	<1	<2	1.30		32
19-Jul-12	8.2	3.0	<1	<2	0.46		32
17-Aug-12	8.1	7.0	<1	<2	1.30		32
20-Sep-12	8.1	8.0	<1	<2	0.90		32
19-Oct-12	8.1	3.0	<1	<2	0.49		32

Continued over the page...

Unit of measure	pH	mg/L	mg/L	mg/L	mg/L N	uS/cm	kL/day *
Date	pH	Suspended Solids	Total Oil & Grease	BOD	Total Aluminium	Electrical Conductivity	Flow
Limit	6.5-.8.5	50	10	20	2		
19-Nov-12	7.8	4.0	<1	<2	0.45		32
19-Dec-12	7.3	<2	<1	<2	0.13		200
21-Jan-13	7.4	<2	<1	<2	0.24		200
24-Feb-13	7.7	<2	<1	<2	0.04		50
19-Mar-13	7.5	<2	<1	<2	0.06		50
23-Apr-13	7.4	<2	<1	<2	0.10		50
24-May-13	7.4	<2	<1	<2	0.07		50
24-Jun-13	7.7	<2	<1	<2	0.11		50
15-Jul-13	7.8	<2	<1	<2	0.08		50
19-Aug-13	7.8	<2	<1	<2	0.06		50
16-Sep-13	7.7	<2	<1	<2	0.51		50
22-Oct-13	7.7	<2	<1	<2	0.97		50
18-Nov-13	7.7	<2	<1	<2	0.25		50
1-Dec-13	No sample	0.0	No sample	0.0	0.00		50
20-Jan-14	No sample	0.0	No Sample	0.0	0.00		50
25-Feb-14	7.8	<2	<1	<2	0.33		50
18-Mar-14	7.9	6.0	<1	<2	0.99		50
30-Apr-14	7.7	4.0	1.0	2.0	0.57		50
7-May-14	7.9	2.0	1.0	2.0	0.18		50
19-Jun-14	7.8	<2	<1	<2	0.27		50
1-Jul-14	8.0	<2	<1	<2	0.15		50
7-Aug-14	7.9	<2	<1	<2	0.38		50
30-Sep-14	8.0	<2	<1	<2	0.33		50
14-Oct-14	8.0	31.0	<1	<2	4.34		50
26-Nov-14	7.9	37.0	<1	<2	5.27		50
10-Dec-14	7.7	920.0	<1	4.0	126.00		50
5-Jan-15	8.0	<2	<1	<2	0.20		50
2-Feb-15	7.8	132.0	<1	<2	17.50		50
3-Mar-15	8.0	3.0	<1	<2	0.57		411
8-Apr-15	7.8	5.0	<1	<2	0.90		411
3-May-15	7.9	<2	<1	<2	0.40		411
1-Jun-15	7.9	130.0	<1	<2	24.60		411
6-Jul-15	8.0	2.0	1.0	2.0	0.15		411
13-Aug-15	7.9	30.0	<1	<2	4.83		411
7-Sep-15	7.8	37.0	<1	<2	4.23		411
6-Oct-15	7.6	490.0	<1	<2	21.60		411
3-Nov-15	7.8	4.0	<1	<2	0.34		411
22-Dec-15	7.8	5.0	<1	<2	1.00		411
6-Jan-16	7.8	15.0	<1	<2	2.19		411
4-Feb-16	7.8	9.0	<1	<2	1.47		411
10-Mar-16	8.0	19.0	<1	<2	2.45		411
5-Apr-16	7.9	10.0	<1	<2	1.61		411
2-May-16	7.9	6.0	<1	<2	0.98		411
14-Jun-16	7.9	2.0	<1	<2	0.53		411
5-Jul-16	7.9	7.0	<1	<2	0.88		411
31-Aug-16	7.7	125.0	<1	<2	9.87		411
7-Sep-16	7.8	3.0	<1	<2	0.48		411
10-Nov-16	7.6	7.0	<1	<2	1.22		411
13-Dec-16	8.0	57.0	<1	<2	8.33		411
15-Feb-17	7.6	5.0	<1	<2	0.74		411
3-Apr-17	7.96	6.0	<1	<2	1.12		411
18-Apr-17	7.96	2.0	<1	<2	0.47		411
					Note: Electrical Conductivity Added in Licence condition from April 2017		
2-May-17	7.96	<2	<1	<2	0.26	540	
7-Jun-17	7.87	4.00	<1	<2	0.66	730	
4-Jul-17	7.94	16.00	<1	<2	3.33	661	
9-Aug-17	8.07	<2	<1	<2	0.18	983	
6-Sep-17	7.93	<2	<1	<2	0.16	345	
5-Oct-17	8.03	20.00	<1	<2	2.45	302	
14-Nov-17	7.99	7.00	<1	<2	0.86	284	
13-Dec-17	8.05	<2	<1	<2	0.10	438	
9-Jan-18	7.86	<2	<1	<2	0.06	421	
6-Feb-18	7.73	19.00	<1	<2	2.78	255	
7-Mar-18	7.84	56.00	<1	2.00	7.21	280	
10-Apr-18	7.98	22.00	<1	<2	3.64	270	
15-May-18	7.99	2.00	<1	<2	0.39	292	
12-Jun-18	8.05	<2	<1	<2	0.03	322	
3-Jul-18	7.94	2.00	<1	<2	0.24	436	
15-Aug-18	7.74	4.00	<1	<2	0.02	356	
10-Sep-18	7.83	<2	<1	<2	0.02	362	
17-Oct-18	7.88	4.00	<1	<2	1.04	No Reading provided on report	
21-Nov-18	7.81	26.00	<1	<2	4.66	309	
4-Dec-18	7.89	<2	<1	<2	0.40	328	
8-Jan-19	7.92	<2	<1	<2	0.08	318	
5-Feb-19	7.92	<2	<1	<2	0.34	319	
4-Mar-19	7.95	<2	<1	<2	<0.02	346	
2-Apr-19	7.91	5.00	<1	<2	0.04	456	
7-May-19	7.74	3.00	<1	<2	0.37	343	
2-Jun-19	7.82	4.00	<1	<2	0.57	350	
4-Jul-19	7.79	7.00	<1	<2	1.49	377	
6-Aug-19	7.90	<2	<1	<2	0.17	396	
2-Sep-19	7.69	3.00	<1	<2	0.22	377	
1-Oct-19	7.75	<2	<1	<2	0.25	360	
4-Nov-19	8.07	2.00	<1	<2	0.30	328	
3-Dec-19	6.90	31.00	<1	<2	5.49	No Result	

Unit of measure	pH	mg/L	mg/L	mg/L	mg/L N	uS/cm	kL/day *
Date	pH	Suspended Solids	Total Oil & Grease	BOD	Total Aluminium	Electrical Conductivity	Flow
Limit	6.5-.8.5	50	10	20	2		
6-Jan-20	8.05	3.00	<1	<2	0.29	375	
3-Feb-20	8.15	5.00	<1	<2	0.48	345	
17-Mar-20	7.63	94.00	<1	<2	11.60	392	
1-Apr-20	8.14	6.00	<1	<2	0.70	418	
6-May-20	8.00	4.00	<1	<2	0.50	635	
2-Jun-20	8.11	10.00	<1	<2	0.08	678	
6-Jul-20	8.05	5.00	<1	<2	0.70	714	
4-Aug-20	7.79	4.00	<1	<2	0.53	681	
8-Sep-20	7.99	<2	<1	<2	0.03	726	
14-Oct-20	8.13	5.00	<1	<2	0.02	938	
3-Nov-20	7.59	19.00	<1	<2	0.08	574	
9-Dec-20	8.08	2.00	<1	<2	<0.02	313	
5-Jan-21	7.29	<2	<1	<2	<0.02	284	
2-Feb-21	7.99	11.00	<1	<2	0.08	274	
2-Mar-21	7.38	2.00	<1	<2	0.25	310	
6-Apr-21	7.83	7.00	<1	<2	0.95	660	
5-May-21	7.48	18.00	<1	<2	0.36	336	
9-Jun-21	7.65	27.00	<1	<2	4.30	553	
7-Jul-21	7.34	<2	<1	<2	0.20	660	
8-Aug-21	7.10	14.00	<1	<2	0.05	331	
23-Aug-21	7.48	3.00	<1	<2	0.03	335	
7-Sep-21	7.18	<2	<1	<2	0.01	313	
7-Oct-21	7.15	3.00	<1	<2	0.02	375	
Nov-21				No Sample			
22-Dec-21	7.11	5.00	<1	<2	0.72	343	
11-Jan-22	7.50	<2	<1	<2	0.26	Not Sampled	
24-Jan-22	7.95	8.00	<1	<2	1.20	452	
9-Feb-22	7.78	<2	<1	<2	0.08	330	
22-Feb-22	8.07	6.0	<1	<2	0.77	496	
2-Mar-22	7.98	6.0	<1	<2	0.44	371	
15-Mar-22	7.60	6.0	<1	<2	1.09	264	
17-May-22	7.97	<2	<1	<2	0.06	478	
21-Jun-22	7.94	<2	<1	<2	0.27	329	
6-Jul-22	7.89	4.0	<1	<2	0.44	372	
18-Jul-22	7.97	<2	<1	<2	0.20	279	
2-Aug-22	7.86	7.0	<1	<2	0.91	283	
3-Aug-22	7.87	5.0	<1	2	0.86	309	
13-Sep-22	8.01	<2	<1	<2	0.20	341	
11-Oct-22	7.75	<2	<1	<2	0.09	276	
22-Nov-22	7.25	<2	<1	<2	0.09	248	
14-Dec-22	7.90	4.0	<1	<2	0.33	789	
17-Jan-23	7.53	<2	<1	<2	0.12	741	
15-Feb-23	7.92	20	<1	<2	0.09	948	

2022-23

<b>Number</b>	14	14	14	14	14	14
<b>Minimum</b>	7.25	<2	<1	<2	0.06	248
<b>Mean</b>	7.82	7.43	<1	<2	0.37	431
<b>Maximum</b>	8.01	20	<1	<2	1.09	948