



Pollution monitoring data for the BUNGENDORE sewage treatment plant in accordance with the requirements of the POELA Act 2011 and the POEO Act 1997

Site Name:	Bungendore Sewage Treatment Plant	Site Address:	100 Bungendore Road, BUNGENDORE NSW 2621
Licencee Name	Queanbeyan-Palerang Regional Council	Address	10 Majara Street, BUNGENDORE NSW 2621
EPA Licence #	201	Link to licence	Licence

Condition M2 - Requirement to monitor concentration of pollutants discharged (EPA Identification point 3 - Discharge point to Millpost Creek - 4 weekly intervals)

Licence Limit Conditions (sect L3.4)	Pollutant Unit	Ammonia	Biochemical Oxygen Demand	Faecal Coliforms	Nitrogen	Oil & Grease	pH		Phosphorus	Total Suspended Solids	Diss Al	Tot Al
		mg/L	mg/L	cfu/100mL	mg/L	mg/L	pH	mg/L	mg/L	mg/L	mg/L	mg/L
90% limit		2	5	100	8	2	N/A		0.5	10	N/A	N/A
100% limit		10	10	200	10	10	Between 6.5 8.5		1	15	N/A	N/A

Comparison Year 2019/20

Current	Min to date	0.00	0.00	0.00	0.83	0.00	7.98	0.02	0.00	0.05	0.08
Summary	Max to date	1.00	3.00	5.00	4.75	1.00	9.80	0.35	34.00	0.14	0.49
Data	Average	0.29	0.57	0.50	1.98	0.07	8.67	0.10	9.50	0.09	0.23

Licence Year	Date			Compliance			Compliance			Compliance			Compliance			Compliance			Compliance			Result	90%limit	100% limit	Result	90%limit	100% limit	Result	90%limit	100% limit	Result	90%limit	100% limit	Result	90%limit	100% limit	Result	90%limit	100% limit	
	Sampled	Obtained	Published	Result	90%limit	100% limit	Result	90%limit	100% limit	Result	90%limit	100% limit	Result	90%limit	100% limit	Result	90%limit	100% limit	Result	90%limit	100% limit																			
2019/20	23/07/2019	01/08/2019	21/04/2020	0.50	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	2.14	PASS	PASS	1.00	PASS	PASS	8.19	N/A	PASS	0.04	PASS	PASS	7.00	PASS	PASS													
2019/20	02/08/2019	14/08/2019	21/04/2020	0.60	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	2.92	PASS	PASS	0.00	PASS	PASS	8.12	N/A	PASS	0.04	PASS	PASS	4.00	PASS	PASS													
2019/20	20/08/2019	30/08/2019	21/04/2020	0.70	PASS	PASS	0.00	PASS	PASS	5.00	PASS	PASS	4.75	PASS	PASS	0.00	PASS	PASS	8.05	N/A	PASS	0.04	PASS	PASS	6.00	PASS	PASS													
2019/20	17/09/2019	25/09/2019	21/04/2020	0.70	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	3.25	PASS	PASS	0.00	PASS	PASS	7.98	N/A	PASS	0.06	PASS	PASS	7.00	PASS	PASS													
2019/20	15/10/2019	23/10/2019	21/04/2020	0.40	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	2.08	PASS	PASS	0.00	PASS	PASS	8.27	N/A	PASS	0.12	PASS	PASS	5.00	PASS	PASS													
2019/20	12/11/2019	25/11/2019	21/04/2020	0.00	PASS	PASS	2.00	PASS	PASS	0.00	PASS	PASS	1.09	PASS	PASS	0.00	PASS	PASS	9.27	N/A	FAIL	0.06	PASS	PASS	6.00	PASS	PASS													
2019/20	10/12/2019	03/01/2020	21/04/2020	0.00	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	1.05	PASS	PASS	0.00	PASS	PASS	9.29	N/A	FAIL	0.34	PASS	PASS	7.00	PASS	PASS													
2019/20	08/01/2020	20/01/2020	21/04/2020	1.00	PASS	PASS	3.00	PASS	PASS	1.00	PASS	PASS	2.28	PASS	PASS	0.00	PASS	PASS	8.11	N/A	PASS	0.07	PASS	PASS	8.00	PASS	PASS	0.07												
2019/20	04/02/2020	19/02/2020	21/04/2020	0.00	PASS	PASS	3.00	PASS	PASS	1.00	PASS	PASS	1.66	PASS	PASS	0.00	PASS	PASS	8.94	N/A	FAIL	0.35	PASS	PASS	32.00	WARNING	FAIL	0.07												
2019/20	03/03/2020	19/03/2020	21/04/2020	0.20	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	1.34	PASS	PASS	0.00	PASS	PASS	8.47	N/A	PASS	0.1	PASS	PASS	10.00	PASS	PASS	0.09												
2019/20	03/04/2020	21/04/2020	21/04/2020	0.00	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	1.30	PASS	PASS	0.00	PASS	PASS	8.45	N/A	PASS	0.08	PASS	PASS	5.00	PASS	PASS	0.14												
2019/20	28/04/2020	06/05/2020	22/05/2020	0.00	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	0.83	PASS	PASS	0.00	PASS	PASS	9.80	N/A	FAIL	0.02	PASS	PASS	34.00	WARNING	FAIL	0.05												
2019/20	25/05/2020	04/06/2020	10/07/2020	0.00	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	1.52	PASS	PASS	0.00	PASS	PASS	9.41	N/A	FAIL	0.04	PASS	PASS	0.00	PASS	PASS	0.12												
2019/20	25/06/2020	02/07/2020	10/07/2020	0.00	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	1.57	PASS	PASS	0.00	PASS	PASS	9.03	N/A	FAIL	0.02	PASS	PASS	2.00	PASS	PASS	0.09												
90th percentile assessment				0.7			2.7			1			3.151			0			0.274					25.4																

Condition M2 - Requirement to monitor concentration of pollutants discharged (EPA Identification point 2 - Discharge point Catch Pond - 4 weekly intervals)

Current	Min to date	Ammonia	Biochemical Oxygen Demand	Faecal Coliforms	Nitrogen	Oil & Grease	Phosphorus	Total Suspended Solids	pH
		Summary	Max to date	4.00	6.00	5900.00	11.10	0.00	0.26
Data	Average	1.08	1.86	1147.36	7.95	0.00	0.11	22.21	7.60

Licence Year	Date			Result	Result	Result	Result	Result	Result	Result	Result
	Sampled	Obtained	Published	Ammonia	Biochemical Oxygen Demand	Faecal Coliforms	Nitrogen	Oil & Grease	Phosphorus	Total Suspended Solids	pH
2019/20	23/07/2019	01/08/2019	21/04/2020	1.70	3.00	14.00	11.10	0.00	0.21	14.00	7.48
2019/20	02/08/2019	14/08/2019	21/04/2020	1.80	0.00	8.00	11.10	0.00	0.14	12.00	7.39
2019/20	20/08/2019	30/08/2019	21/04/2020	4.00	0.00	41.00	9.56	0.00	0.11	11.00	7.5
2019/20	17/09/2019	25/09/2019	21/04/2020	1.40	2.00	320.00	7.12	0.00	0.26	15.00	7.43
2019/20	15/10/2019	23/10/2019	21/04/2020	1.90	6.00	86.00	8.62	0.00	0.14	10.00	7.38
2019/20	12/11/2019	25/11/2019	21/04/2020	0.00	3.00	149.00	8.16	0.00	0.06	10.00	7.45
2019/20	10/12/2019	03/01/2020	21/04/2020	0.00	2.00	1820.00	6.15	0.00	0.08	7.00	7.94
2019/20	20/01/2020	08/01/2020	21/04/2020	0.50	2.00	2040.00	8.03	0.00	0.07	8.00	7.81
2019/20	04/02/2020	19/02/2020	21/04/2020	0.30	3.00	1980.00	8.02	0.00	0.03	8.00	7.77
2019/20	03/03/2020	19/03/2020	21/04/2020	0.30	2.00	1580.00	8.85	0.00	0.09	13.00	7.26
2019/20	03/04/2020	21/04/2020	21/04/2020	0.50	0.00	0.00	7.31	0.00	0.08	6.00	7.66
2019/20	28/04/2020	06/05/2020	22/05/2020	0.80	3.00	525.00	5.28	0.00	0.1	180.00	7.78
2019/20	25/05/2020	04/06/2020	10/07/2020	1.30	0.00	5900.00	6.86	0.00	0.08	7.00	7.81
2019/20	25/06/2020	02/07/2020	10/07/2020	0.60	0.00	1600.00	5.15	0.00	0.1	10.00	7.74

INFLOW

Condition M7.1 - Requirement to monitor volume (EPA Identification point 1 - Inlet works)

Licence Limit Condition (sect L4.1)	Inflow daily limit (kL)	2,160
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	2019/2020 Licence Year											
	July	August	September	October	November	December	January	February	March	April	May	June
1	662	627	694	547	603	713	550	632	891	655	737	714
2	651	624	607	577	644	641	566	698	612	976	765	675
3	644	689	603	596	777	616	568	614	612	721	797	669
4	620	742	599	570	675	618	572	625	1140	854	686	666
5	620	650	581	620	632	619	593	608	2053	789	664	654
6	674	618	600	581	610	588	601	605	848	704	651	672
7	701	598	644	636	580	676	606	603	743	682	656	636
8	635	577	708	615	583	678	567	681	694	661	632	746
9	627	612	589	584	703	581	567	875	719	658	712	663
10	603	678	600	545	735	595	549	1527	653	797	739	653
11	581	725	620	500	634	616	578	702	654	750	658	657
12	587	654	609	648	591	609	612	654	634	764	659	633
13	685	630	620	702	681	588	564	695	595	453	655	702
14	691	634	691	932	668	656	570	648	693	693	651	802
15	635	622	698	591	674	669	556	841	744	663	668	655
16	611	621	782	580	725	606	566	811	648	597	683	649
17	607	682	821	586	759	581	539	640	633	636	733	656
18	610	732	636	595	653	580	608	624	646	703	645	644
19	616	650	572	654	629	572	618	645	625	725	629	656
20	703	626	615	730	645	562	802	645	596	629	618	750
21	724	632	638	651	621	587	562	640	696	663	694	1446
22	642	611	682	701	619	621	582	700	701	647	647	755
23	622	618	593	799	687	579	561	747	619	659	713	709
24	631	686	565	752	742	602	592	631	624	638	781	633
25	617	721	562	679	630	533	584	628	640	701	670	658
26	625	612	555	679	620	557	555	605	643	675	657	652
27	707	581	584	713	645	554	629	628	628	711	664	702
28	758	599	668	668	618	532	585	607	722	666	653	761
29	621	597	638	685	587	533	595	798	755	736	644	654
30	619	613	619	603	654	538	599		669	964	691	640
31	655	663		588		535	588		662		704	

Monthly	Minimum	581	577	555	500	580	532	539	603	595	453	618	633
	Maximum	758	742	821	932	777	713	802	1,527	2,053	976	797	1,446
	Average	645	643	633	642	654	598	587	702	735	706	682	705
	Total	19,984	19,924	18,993	19,907	19,624	18,535	18,184	20,357	22,792	21,170	21,156	21,162
YTD	Minimum	453											
	Maximum	2,053											
	Average	661											
	Total	241,788											

OUTFLOW

Condition M7.1 - Requirement to monitor volume (EPA Identification point 3 - Outlet works)

Licence Limit Condition (sect L4.1)	Outflow daily limit (kL)	2,160
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	2019/2020 Licence Year											
	July	August	September	October	November	December	January	February	March	April	May	June
1	462	554	687	1068	142	215	7	1	294	341	1534	613
2	865	305	696	197	0	805	160	747	838	881	984	354
3	25	796	220	248	1046	232	516	0	474	900	719	598
4	966	830	788	1502	469	112	32	503	780	1037	687	60
5	358	11	16	1598	715	680	30	3	1730	228	655	34
6	610	764	775	473	74	2	59	41	1727	697	802	46
7	225	618	734	548	776	731	51	52	1211	864	13	763
8	811	618	4	279	194	208	103	423	457	319	796	24
9	52	777	1078	216	10	32	62	816	375	592	658	665
10	1075	218	49	585	737	450	55	1435	773	418	313	33
11	51	1045	940	661	0	80	29	1468	0	704	833	600
12	651	179	15	0	728	77	5	0	725	864	12	445
13	316	928	773	730	301	73	52	850	334	141	759	33
14	773	7	0	488	56	39	60	741	587	739	316	201
15	1006	7	1259	497	637	55	53	288	267	404	670	689
16	0	770	183	949	0	72	49	842	750	806	448	47
17	650	298	1540	7	859	53	121	805	4	316	416	43
18	562		325	813	0	57	31	84	785	185	812	454
19	591	862	578	4	604	56	5	707	110	1035	369	180
20	351	461	836	709	621	56	602	3	631	0	481	36
21	532	204	293	565	0	32	142	835	252	818	579	1386
22	642	560	602	1219	820	1	182	111	627	117	463	1102
23	909	609	320	511	105	34	53	789	698	87	406	828
24	428	255	579	930	698	5	401	456	58	996	517	259
25	661	697	600	310	222	1	25	520	766	579	621	9
26	332	269	120	157	580	4	4	107	0	377	209	26
27	592	861	1023	1314	2	29	669	817	783	101	26	31
28	553	318	753	68	243	637	40	482	230	245	595	31
29	576	489	103	838	628	1	55	369	672	52	26	42
30	401	653	1068	173	255	45	35		874	1154	630	42
31	527	197		9		22	411		446		232	

Monthly	Minimum	0	7	0	0	0	1	4	0	0	0	12	9
	Maximum	1,075	1,045	1,540	1,598	1,046	805	669	1,468	1,730	1,154	1,534	1,386
	Average	534	505	565	570	384	158	132	493	589	533	535	322
	Total	16,553	15,160	16,957	17,666	11,522	4,896	4,099	14,295	18,258	15,997	16,581	9,674
YTD	Minimum	0											
	Maximum	1,730											
	Average	443											
	Total	161,658											

Condition M2 - Requirement to monitor concentration of pollutants discharged (EPA Identification point 4 -Upstream at Archer Bridge - Special intervals)

		Ammonia	Biochemical Oxygen Demand	Faecal Coliforms	Nitrogen	Oil & Grease	Phosphorus	Total Suspended Solids	pH	Conductivity	Aluminium (dissolved)	Aluminium (total)
Current Summary Data	Min to date	0.00	0.00	8.00	0.26	0.00	0.00	0.00	7.46	450	0	0
	Max to date	0.00	0.00	146.00	0.69	0.00	0.02	9.00	8.08	511	0	0.06
	Average	0.00	0.00	72.60	0.40	0.00	0.01	2.40	7.92	480	0	0.022

Licence Year	Date			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
	Sampled	Obtained	Published											
2019/20	08/01/2020	20/01/2020	21/04/2020	No flow	No flow	No flow	No flow	No flow	No flow	No flow	No flow	No flow	No flow	No flow
2019/20	04/02/2020	19/02/2020	21/04/2020	No flow	No flow	No flow	No flow	No flow	No flow	No flow	No flow	No flow	No flow	No flow
2019/20	03/03/2020	19/03/2020	21/04/2020	0.00	0.00	88.00	0.69	0.00	0.02	9.00	7.46	511.00	0.00	0.06
2019/20	31/03/2020	14/04/2020	24/04/2020	0.00	0.00	146.00	0.49	0.00	0.02	3.00	7.96	491.00	0.00	0.03
2019/20	28/04/2020	06/05/2020	22/05/2020	0.00	0.00	105.00	0.32	0.00	0.02	0.00	8.06	473.00	0.00	0.02
2019/20	25/05/2020	04/06/2020	10/07/2020	0.00	0.00	16.00	0.26	0.00	0.01	0.00	8.08	475.00	0.00	0.00
2019/20	25/06/2020	02/07/2020	10/07/2020	0.00	0.00	8.00	0.26	0.00	0	0.00	8.05	450.00	0.00	0.00

OUTFLOW

Condition M7.1 - Requirement to monitor volume (EPA Identification point 1 - Outlet works)

Licence Limit Condition (sect L4.1)	Inflow daily limit (kL)	1,440
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	July	August	September	October	November	December	January	February	March	April	May	June
2019/2020 Licence Year												
1	483	412	239	181	191	385	256	174	329	475	238	215
2	388	521	300	228	224	209	246	227	1516	539	327	346
3	568	488	408	277	496	305	239	238	1652	326	487	366
4	569	451	412	421	129	282	178	230	1601	331	655	510
5	649	518	177	252	273	324	250	232	1709	607	574	526
6	434	776	391	177	338	261	24	399	1739	636	478	508
7	344	262	171	274	271	204	146	200	1010	506	456	575
8	694	409	309	422	280	270	208	10	1060	380	430	53
9	421	411	359	312	342	287	262	74	1142	377	516	475
10	465	467	398	236	275	294	243	454	692	459	656	425
11	452	346	526	91	296	215	218	243	309	440	419	477
12	246	410	340	207	267	149	169	296	323	571	533	497
13	257	489	299	214	360	193	257	299	458	581	393	353
14	255	398	302	205	337	172	265	350	198	348	340	490
15	395	384	455	337	231	353	327	537	675	466	333	513
16	446	419	612	254	290	224	405	331	590	778	416	305
17	352	332	445	511	278	194	407	372	444	636	578	500
18	384	258	307	507	248	243	284	356	403	577	338	199
19	330	201	397	368	221	321	310	313	229	582	496	241
20	429	372	223	387	168	309	382	276	389	190	312	452
21	407	476	211	281	169	173	355	185	390	472	168	520
22	349	420	211	248	272	106	309	361	450	568	382	611
23	525	434	181	270	238	203	413	209	217	509	486	516
24	369	528	474	166	170	266	373	224	340	367	614	425
25	348	366	366	280	290	198	491	207	264	453	283	435
26	604	242	276	308	300	138	433	367	464	463	254	560
27	241	292	249	256	245	185	455	208	273	345	334	545
28	545	319	283	203	261	212	489	308	450	369	294	534
29	439	288	270	204	199	230	294	296	385	269	332	435
30	239	307	111	212	266	173	878		476	159	521	514
31	503	233		166		252	290		667		527	

Monthly	Minimum	239	201	111	91	129	106	24	10	198	159	168	53
	Maximum	694	776	612	511	496	385	878	537	1,739	778	656	611
	Average	424	394	323	273	264	236	318	275	672	459	425	437
	Total	13,130	12,229	9,702	8,455	7,925	7,330	9,856	7,976	20,844	13,779	13,170	13,121
YTD	Minimum	10											
	Maximum	1,739											
	Average	376											
	Total	137,517											

INFLOW

Condition M7.1 - Requirement to monitor volume (EPA Identification point 2 - Inlet Works)

Licence Limit Condition (sect L4.1)	Outflow daily limit (kL)	1,440
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	July	August	September	October	November	December	January	February	March	April	May	June
2019/2020 Licence Year												
1	350	251	366	361	330	520	649	288	500	406	294	307
2	314	265	357	341	445	529	503	295	472	470	322	316
3	299	255	373	314	484	435	435	455	309	696	384	312
4	331	296	350	357	568	470	348	455	786	575	406	340
5	311	239	274	395	333	391	406	487	945	385	380	338
6	305	261	309	426	368	433	301	712	766	343	459	284
7	318	273	309	528	353	375	361	754	658	382	669	271
8	299	261	380	380	326	318	319	591	560	305	555	293
9	299	287	350	325	359	348	559	1087	458	352	357	264
10	287	286	314	354	401	428	486	1511	419	365	270	287
11	263	271	351	296	467	578	451	946	376	373	305	326
12	277	284	273	286	419	452	442	614	395	468	250	323
13	271	263	354	374	482	665	595	749	451	536	252	282
14	303	269	327	509	441	417	454	606	477	484	253	314
15	271	284	314	461	450	649	348	470	421	461	285	279
16	270	305	418	476	396	375	437	904	616	421	304	280
17	266	322	510	285	383	453	333	564	605	488	322	275
18	260	305	329	350	517	357	462	553	383	403	279	281
19	254	280	311	314	358	358	450	519	335	428	522	286
20	268	281	354	371	446	326	511	380	407	372	385	306
21	304	322	386	341	398	321	298	500	415	425	296	358
22	285	312	308	326	547	368	254	489	336	441	268	337
23	267	289	249	349	562	392	322	648	289	498	270	289
24	268	320	332	313	541	376	394	445	345	369	335	295
25	272	334	345	519	497	338	347	422	461	442	401	288
26	254	287	333	507	588	304	326	357	446	501	427	297
27	265	270	357	425	522	418	435	447	376	358	392	291
28	258	327	384	413	412	431	322	421	453	489	340	311
29	247	311	365	430	557	381	439	574	408	332	505	282
30	286	275	341	362	418	375	493		416	452	353	276
31	272	326		374		370	306		356		329	

Monthly	Minimum	247	239	249	285	326	304	254	288	289	305	250	264
	Maximum	350	334	510	528	588	665	649	1,511	945	696	669	358
	Average	284	287	344	383	446	418	412	595	472	434	360	300
	Total	8,794	8,911	10,323	11,862	13,368	12,951	12,786	17,243	14,640	13,020	11,169	8,988
YTD	Minimum	239											
	Maximum	1,511											
	Average	394											
	Total	144,055											

Condition M2 - Requirement to monitor concentration of pollutants discharged (EPA Identification point 3 - Downstream at Molonglo River Brider MR270)

		Ammonia	Biochemical Oxygen Demand	Faecal Coliforms	Nitrogen	Oil & Grease	Phosphorus	Total Suspended Solids	pH	Diss Al	Tot Al
Current Summary Data	Min to date	0.00	0.00	0.00	0.10	0.00	0.00	5.00	5.31	0.04	0.47
	Max to date	0.70	2.00	46.00	1.12	0.00	0.07	52.00	6.75	0.28	0.71
	Average	0.30	0.44	5.78	0.76	0.00	0.02	25.00	6.24	0.16	0.57

Licence Year	Date			Result	Result	Result	Result	Result	Result	Result	Result	Result
	Sampled	Obtained	Published									
2019/20	20/08/2019	30/08/2019	22/04/2020	0.60	0.00	0.00	1.12	0.00	0.07	25.00	6.14	
2019/20	10/12/2019	03/01/2020	22/04/2020	0.70	2.00	0.00	0.97	0.00	0.01	52.00	5.31	
2019/20	08/01/2020	20/01/2020	22/04/2020	0.70	2.00	2.00	1.06	0.00	0.01	34.00	6.17	0.26
2019/20	04/02/2020	19/02/2020	22/04/2020	0.60	0.00	0.00	0.86	0.00	0	45.00	5.71	0.28
2019/20	09/03/2020	24/03/2020	22/04/2020	0.00	0.00	46.00	0.91	0.00	0.03	20.00	6.75	0.24
2019/20	31/03/2020	14/04/2020	24/04/2020	0.00	0.00	4.00	0.63	0.00	0.03	5.00	6.69	0.15
2019/20	28/04/2020	06/05/2020	22/05/2020	0.00	0.00	0.00	0.56	0.00	0.02	19.00	6.52	0.04
2019/20	25/05/2020	04/06/2020	10/07/2020	0.10	0.00	0.00	0.10	0.00	0	11.00	6.42	0.05
2019/20	25/06/2020	02/07/2020	10/07/2020	0.00	0.00	0.00	0.61	0.00	0.02	14.00	6.48	0.11

OUTFLOW

Condition M7.1 - Requirement to monitor volume (EPA Identification point 1 - Outlet works)

Licence Limit Condition (sect L3.1)	Inflow daily limit (kL)	324
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	July	August	September	October	November	December	January	February	March	April	May	June	
2019/2020 Licence Year													
1						72	60	59	51	93	131	100	
2						82	60	69	66	91	99	96	
3						69	62	84	79	162	104	89	
4						67	69	71	66	123	102	86	
5						67	64	67	236	138	88	86	
6						59	64	64	445	120	83	83	
7						58	67	67	335	110	86	93	
8						73	68	77	218	101	84	89	
9						74	64	105	162	99	84	85	
10						65	63	152	197	95	83	92	
11						58	68	329	144	151	95	108	
12						60	75	104	125	122	87	79	
13						57	77	80	12	111	77	75	
14						53	67	127	117	115	81	82	
15						71	71	106	139	102	81	112	
16					74	75	56	114	123	101	79	76	
17					79	58	89	164	115	105	85	77	
18					85	66	40	120	91	100	94	84	
19					66	67	81	97	92	99	80	77	
20					67	64	78	100	105	100	82	67	
21					58	60	78	85	102	92	79	99	
22					63	59	68	79	108	87	77	201	
23					58	73	72	86	97	89	76	107	
24					80	65	70	96	91	91	87	101	
25					76	77	69	84	95	89	96	92	
26					69	60	80	78	96	95	83	91	
27					75	75	72	79	94	91	74	92	
28					65	67	82	79	89	98	80	95	
29					58	64	61	75	103	82	81	111	
30					54	66	68		102	97	79	89	
31					62	58			110		83		
Monthly	Minimum	0	0	0	0	54	53	40	59	12	82	74	67
	Maximum	0	0	0	0	85	82	89	329	445	162	131	201
	Average	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	68	66	68	100	129	105	86	94
	Total	0	0	0	0	1,027	2,043	2,121	2,897	4,005	3,149	2,680	2,814
YTD	Minimum	12											
	Maximum	445											
	Average	91											
	Total	20,736											

INFLOW

Condition M7.1 - Requirement to monitor volume (EPA Identification point 4 - Inlet Works)

Licence Limit Condition (sect L3.1)	Outflow daily limit (kL)	324
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	July	August	September	October	November	December	January	February	March	April	May	June
2019/2020 Licence Year												
1	77	66	81	64	61	81	71	70	86	95	124	100
2	83	68	81	68	67	89	71	73	91	92	96	93
3	66	63	69	72	84	73	69	91	78	150	105	94
4	73	59	73	68	105	76	74	76	77	118	104	88
5	66	63	77	88	72	78	65	79	191	137	89	87
6	62	50	65	59	59	70	69	73	604	125	86	80
7	75	47	75	71	73	66	68	72	308	106	85	97
8	81	50	86	63	66	79	71	75	215	102	89	90
9	63	54	76	71	65	81	68	98	186	100	84	103
10	72	58	78	64	97	70	65	189	168	95	86	90
11	74	56	63	64	87	69	71	286	143	142	96	87
12	46	57	75	64	58	70	78	99	128	121	88	80
13	56	53	72	68	62	68	81	81	123	115	81	76
14	85	50	77	99	63	64	72	111	116	115	84	83
15	78	72	75	62	71	84	75	95	135	103	82	104
16	67	74	85	68	80	85	69	125	128	104	82	81
17	75	66	104	77	79	70	83	148	113	108	85	78
18	66	84	90	66	88	73	35	99	96	102	96	84
19	66	85	82	65	75	77	94	99	111	103	83	78
20	54	56	83	81	73	73	79	94	109	100	85	70
21	72	66	65	81	63	72	75	89	102	92	79	110
22	85	69	79	69	70	72	72	77	109	92	80	168
23	60	66	82	68	63	75	80	88	113	92	78	105
24	72	71	65	65	83	66	74	97	96	92	85	102
25	72	70	78	69	80	79	69	86	96	93	97	96
26	63	85	71	68	73	67	89	80	97	95	84	94
27	68	69	63	79	79	80	81	81	96	93	78	93
28	84	67	65	87	71	74	92	83	89	98	81	95
29	76	73	69	63	66	71	74	76	106	86	84	115
30	76	68	93	66	59	71	76		105	95	79	89
31	69	61		72		73	69		103		85	
Monthly	Minimum	46	47	63	59	58	64	35	70	77	78	70
	Maximum	85	85	104	99	105	89	94	286	604	150	168
	Average	70	64	77	71	73	74	74	100	139	105	94
	Total	2,182	1,996	2,297	2,189	2,192	2,296	2,279	2,890	4,318	3,161	2,720
YTD	Minimum	35										
	Maximum	604										
	Average	86										
	Total	31,330										



Pollution monitoring data for the BUNGENDORE sewage treatment plant in accordance with the requirements of the POELA Act 2011 and the POEO Act 1997

Site Name:	Googong Water Recycling Plant (STP)	Site Address:	36A Googong Road
Licence Name	Queanbeyan-Palerang Regional Council	Address	10 Majara Street, BUNGENDORE NSW 2621
EPA Licence #	20188	Link to licence	Licence

Condition M2 - Requirement to monitor concentration of pollutants discharged (EPA Identification point 2 - Discharge point at Hill 800 - 4 weekly intervals)

Licence Limit Unit	Pollutant	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Faecal Coliforms cfu/100mL	Nitrogen mg/L	Oil & Grease mg/L	pH	Phosphorus mg/L	Total Suspended Solids mg/L	Free Chlorine mg/L	Diss Al mg/L	Tot Al mg/L
90% limit		2	5	100	8	2	N/A	0.5	10	N/A	N/A	N/A
100% limit		5	10	200	10	10	Between 6.5 8.5	1	15	0.1	N/A	N/A

Comparison Year 2020/21

Current Summary Data	Min to date	Max to date	Average	0.00	0.40	0.07	0.00	0.00	0.00	2.47	6.10	4.70	0.00	7.79	8.31	8.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Licence Year	Sampled	Obtained	Published	Result	90%limit	100% limit	Compliance	Result	90%limit	100% limit	Compliance	Result	90%limit	100% limit	Compliance	Result	90%limit	100% limit	Compliance	Result	90%limit	100% limit	Compliance	Result	90%limit	100% limit	Compliance	Result	90%limit	100% limit	Compliance	Result	90%limit	100% limit	Compliance			
2019/20	29/04/2020	13/05/2020	10/11/2020	0.011	PASS	PASS	PASS	0.00	PASS	PASS	PASS	0.00	PASS	PASS	PASS	5.18	PASS	PASS	PASS	8.31	N/A	PASS	0.012	PASS	PASS	0.00	PASS	PASS	PASS	0.03	N/A	PASS	0.00	N/A	PASS	0.00	0.00	
2019/20	27/05/2020	10/06/2020	10/11/2020	0.000	PASS	PASS	PASS	0.00	PASS	PASS	PASS	0.00	PASS	PASS	PASS	6.10	PASS	PASS	PASS	8.11	N/A	PASS	0.01	PASS	PASS	2.00	PASS	PASS	PASS	0.00	N/A	PASS	0.07	N/A	PASS	0.07	0.08	
2019/20	24/06/2020	08/07/2020	10/11/2020	0.000	PASS	PASS	PASS	0.00	PASS	PASS	PASS	0.00	PASS	PASS	PASS	4.32	PASS	PASS	PASS	8.04	N/A	PASS	0.01	PASS	PASS	0.00	PASS	PASS	PASS	0.00	N/A	PASS	0.05	N/A	PASS	0.05	0.07	
2019/20	22/07/2020	05/08/2020	10/11/2020	0.046	PASS	PASS	PASS	0.00	PASS	PASS	PASS	0.00	PASS	PASS	PASS	4.88	PASS	PASS	PASS	7.97	N/A	PASS	0.008	PASS	PASS	26.00	WARNING	FAIL	0.00	N/A	PASS	0.05	N/A	PASS	0.05	0.07		
2019/20	19/08/2020	02/09/2020	10/11/2020	0.400	PASS	PASS	PASS	0.00	PASS	PASS	PASS	0.00	PASS	PASS	PASS	5.90	PASS	PASS	PASS	8	N/A	PASS	0.02	PASS	PASS	0.00	PASS	PASS	PASS	0.14	N/A	FAIL	0.04	N/A	PASS	0.06	0.06	
2019/20	16/09/2020	30/09/2020	10/11/2020	0.000	PASS	PASS	PASS	0.00	PASS	PASS	PASS	0.00	PASS	PASS	PASS	4.08	PASS	PASS	PASS	7.79	N/A	PASS	0	PASS	PASS	0.00	PASS	PASS	PASS	0.00	N/A	PASS	0.05	N/A	PASS	0.05	0.06	
2019/20	14/10/2020	28/10/2020	10/11/2020	0.000	PASS	PASS	PASS	0.00	PASS	PASS	PASS	74.00	PASS	PASS	PASS	2.47	PASS	PASS	PASS	7.96	N/A	PASS	0.02	PASS	PASS	4.00	PASS	PASS	PASS	0.00	N/A	PASS	0.06	N/A	PASS	0.06	0.06	
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS						
2019/20					PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS	PASS		N/A	PASS			</			

Condition M2 - Requirement to monitor concentration of pollutants discharged (EPA Identification point 8 - Ambient Quality 65m D/S from POINT 3 - 4 weekly intervals)

		Ammonia	Biochemical Oxygen Demand	Faecal Coliforms	Nitrogen	Oil & Grease	Phosphorus	Total Suspended Solids	pH	Free Chlorine	Diss Aluminium	Total aluminium
Current Summary Data	Min to date	0.00	0.00	0.00	0.00	0.00	0.00	2.00	7.14	0.00	0.00	0.00
	Max to date	0.14	6.00	1400.00	5.02	0.00	0.06	37.00	8.01	0.46	0.22	1.82
	Average	0.03	0.67	279.89	2.72	0.00	0.02	13.33	7.72	0.05	0.06	0.44

Licence Year	Date			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
	Sampled	Obtained	Published											
2020/21	12/02/2020	26/02/2020	10/11/2020	0.044	0.00	800.00	0.74	0.00	0.014	12.00	7.14	0.00	0	0.00
2020/21	04/03/2020	18/03/2020	10/11/2020	0.144	0.00	1400.00	1.09	0.00	0.015	9.00	7.52	0.00	0	0.00
2020/21	01/04/2020	15/04/2020	10/11/2020	0.022	0.00	123.00	5.02	0.00	0.011	5.00	8.01	0.00	0	0.00
2020/21	27/05/2020	10/06/2020	10/11/2020	0.000	0.00	8.00	4.59	0.00	0	7.00	7.98	0.00	0.07	0.27
2020/21	24/06/2020	08/07/2020	10/11/2020	0.000	0.00	104.00	3.27	0.00	0.02	37.00	7.86	0.46	0.08	1.20
2020/21	22/07/2020	05/08/2020	10/11/2020	0.017	6.00	0.00	3.76	0.00	0.007	4.00	7.76	0.00	0.06	0.11
2020/21	19/08/2020	02/09/2020	10/11/2020	0.000	0.00	82.00	1.77	0.00	0.06	35.00	7.55	0.00	0.22	1.82
2020/21	16/09/2020	30/09/2020	10/11/2020	0.000	0.00	2.00	0.00	0.00	0	2.00	7.75	0.00	0.05	0.08
2020/21	14/10/2020	28/10/2020	10/11/2020	0.000	0.00	0.00	4.21	0.00	0.02	9.00	7.95	0.00	0.05	0.52
2020/21														
2020/21														
2020/21														
2020/21														
2020/21														

OUTFLOW (HILL 800)

Condition M7.1 - Requirement to monitor volume (EPA Identification point 2 - Hill 800)

Licence Limit Condition (sect L4.1)	Inflow daily limit (kl)	6,000
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		2019/2020 Licence Year												
		October	November	December	January	February	March	April	May	June	July	August	Sept	October
1			602	813	863	467	0	248	376	0	328	325	0	945
2			457	770	602	805	0	381	345	0	404	0	0	901
3			928	854	466	856	0	428	0	412	385	0	0	360
4			917	822	695	782	1	384	0	388	367	0	302	0
5			630	464	979	863	290	0	394	418	0	348	0	0
6			967	801	525	468	431	0	407	397	0	438	0	0
7			501	759	501	1027	441	316	386	0	0	387	0	398
8			1008	934	993	449	363	0	394	0	330	380	0	432
9			437	715	490	1100	381	390	405	0	360	0	0	357
10			594	684	498	790	394	388	0	0	414	0	0	334
11			1088	904	945	1469	381	0	0	183	394	349	0	0
12			533	598	559	611	431	0	0	360	0	383	43	0
13			764	391	1036	1043	389	377	454	408	0	374	0	0
14			847	892	661	770	429	367	400	350	0	380	0	308
15			455	555	478	682	0	0	435	390	391	420	0	375
16			606	919	976	1210	0	183	385	426	399	335	367	373
17			906	662	457	1258	0	385	0	400	379	331	373	387
18			972	865	861	593	356	381	0	409	389	0	447	0
19			772	452	715	1111	436	0	70	404	0	201	440	0
20			433	648	940	615	484	0	428	389	0	316	0	375
21			826	892	1080	956	456	0	402	0	0	391	0	430
22			782	580	492	710	0	337	341	0	333	393	0	382
23			422	827	1086	660	0	373	472	0	381	0	304	388
24			971	530	362	884	0	376	391	296	380	0	374	392
25			436	691	883	958	1007	355	361	376	371	393	471	355
26			996	955	553	634	694	420	0	0	392	342	351	369
27			550	478	590	967	574	372	0	299	384	406	384	309
28			1005	758	554	542	484	410	0	402	0	399	377	335
29			661	823	939	985	0	0	342	384	0	0	0	849
30			705	460	509	457	0	408	410	0	0	0	0	685
31			751	546	1041	0	0	0	0	0	0	0	0	0

Monthly	Minimum	436	422	391	362	0	0	0	0	0	0	0	0	0
	Maximum	1,005	1,088	939	1,086	1,469	484	428	472	426	414	471	849	945
	Average	729	719	707	737	791	233	214	270	226	231	237	185	297
	Total	5,104	21,583	21,905	22,844	22,938	7,220	6,425	8,356	6,777	7,174	7,334	5,552	7,137
YTD	Minimum	0												
	Maximum	1,469												
	Average	411												
	Total	150,349												

OUTFLOW (BELTANA)

Condition M7.1 - Requirement to monitor volume (EPA Identification point 6 - Beltana Pond)

Licence Limit Condition (sect L4.1)	Outflow daily limit (kl)	6,000
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		2019/2020 Licence Year												
		October	November	December	January	February	March	April	May	June	July	August	Sept	October
1			565	750	818	430	988	386	721	1083	414	489	1068	0
2			408	721	537	738	1062	390	606	511	448	1183	608	0
3			880	791	455	805	828	516	1366	431	499	1247	1055	641
4			856	763	622	708	386	430	755	456	434	433	368	1107
5			592	442	931	806	695	1149	558	413	1153	406	1205	1012
6			926	730	484	445	1147	1169	406	403	1147	460	1028	527
7			443	709	473	955	527	580	470	1003	436	532	1062	526
8			958	885	939	425	652	348	430	977	458	607	1242	567
9			391	664	453	1020	433	500	391	587	469	1444	544	962
10			557	619	466	733	613	355	1068	991	426	1865	1220	628
11			1010	859	876	1367	448	1158	1176	456	409	925	596	1247
12			510	555	519	568	289	1012	580	496	1057	669	389	1323
13			694	376	964	968	287	474	341	385	1128	600	1124	558
14			812	835	620	700	396	559	419	723	526	563	1241	551
15			423	534	446	641	1034	1081	387	506	397	432	523	498
16			555	870	920	1127	1187	379	523	403	454	817	431	508
17			856	598	423	1165	270	429	1028	457	426	831	554	597
18			887	826	789	558	338	402	1176	417	466	1178	435	1487
19			744	422	675	1034	324	1229	423	399	1096	491	385	848
20			382	593	866	557	297	1081	410	401	1225	710	1077	508
21			780	836	1009	894	288	419	406	1214	473	519	1338	518
22			734	523	476	659	1215	428	440	1565	420	492	568	460
23			380	781	992	610	1098	413	335	574	471	1252	748	508
24			912	480	357	822	268	430	630	573	417	1031	547	424
25			404	648	845	907	946	326	459	846	540	468	305	513
26			925	910	513	582	580	359	1133	610	451	659	596	734
27			496	443	548	885	541	453	1067	419	487	561	534	769
28			942	689	514	517	748	392	492	436	1102	556	501	763
29			1058	787	884	914	463	1359	403	470	1224	1103	1122	349
30			766	425	472	421	659	466	353	488	1070	1202	0	0
31			696	507	964	828	1066	530	646	0	0	0	0	0

Monthly	Minimum	404	380	376	357	425	268	348	335	385	397	305	0	0
	Maximum	1,058	1,010	885	1,009	1,367	1,359	1,229	1,366	1,565	1,225	1,865	1,338	1,487
	Average	755	672	660	687	759	627	645	621	657	639	777	749	667
	Total	5,287	20,157	20,445	21,300	22,013	19,446	19,337	19,245	19,716	19,796	24,082	22,484	16,005
YTD	Minimum	0												
	Maximum	1,865												
	Average	681												
	Total	249,313												