

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
Licencee Name	Queanbeyan-Palerang Regional Council	Address	10 Majara Street, BUNGENDORE NSW 2621
EPA Licence #	20188	Link to licence	<u>Licence</u>

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

	Pollutant	Ammonia	Biochemical Oxygen Demand	Faecal Coliforms	Nitrogen	Oil & Grease	pН		Phosphorus	Total Suspended Solids	Free Chlorine	Diss Al	Tot Al
Licence Limit	Unit	mg/L	mg/L	cfu/100mL	mg/L	mg/L	рН		mg/L	mg/L	mg/L	mg/L	mg/L
Conditions	90% limit	2	5	100	8	2	N/A		0.5	10	N/A	N/A	N/A
(sect L3.4)	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	Min to date	0.00	0.00	0.00	5.45	0.00	8.26	0.02	0.00	0.00	0.06	0.07
	Current	Max to date	0.00	0.00	0.00	5.45	0.00	8.26	0.02	0.00	0.00	0.06	0.07
3	uninary Data	Average	0.00	0.00	0.00	5.45	0.00	8.26	0.02	0.00	0.00	0.06	0.07

	Date			Comp	liance		Compl	iance		Compl	liance		Comp	iance		Comp	liance		Comp	liance	1										
Sampled	Obtained	Published	Result	90%limit	100% limit																										
10/11/2020	20/11/2020	20/11/2020	0.000	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	5.45	PASS	PASS	0.00	PASS	PASS	8.26	N/A	PASS	0.02	PASS	PASS	0.00	PASS	PASS	0.00	N/A	PASS	0.06	0.07
				PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS														
				PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS														
				PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS														
				PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS														
				PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS														
				PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS														
				PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS														
				PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS														
				PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS														
				PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS														
				PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS														
				PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS														
				PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS														
90th percentile a	issessment		0			(0		0			5.45	;		C)					0.02			0							

Condition M2 - Requirement to monitor concentration of pollutants discharged (EPA Identification point 6 - Discharge point at Beltana Pond 800 - 4 weekly intervals)

	Pollutant	Ammonia	Biochemical Oxygen Demand	Faecal Coliforms	Nitrogen	Oil & Grease	рН	Phosphorus	Total Suspended Solids	Free Chlorine	Diss Al	Tot Al
Licence	Limit Unit	mg/L	mg/L	cfu/100mL	mg/L	mg/L	рН	mg/L	mg/L	mg/L	mg/L	mg/L
Condit	ons 90% limit	2	5	100	8	2	N/A	0.5	10	N/A	N/A	N/A
(sect L	3.4) 100% limit	5	10	200	10	10	Between 6.5 8.5	1	15	0.1	N/A	N/A

Comparison Year 2020/21

inpanson	i i eai	2020/21											
	Current	Min to date	0.00	0.00	0.00	3.63	0.00	7.68	0.01	0.00	0.00	0.05	0.06
c	Current	Max to date	0.00	0.00	0.00	3.63	0.00	7.68	0.01	0.00	0.00	0.05	0.06
Sui	mmary Data	Average	0.00	0.00	0.00	3.63	0.00	7.68	0.01	0.00	0.00	0.05	0.06
											-		

	Date			Comp	liance		Compli	iance		Compliance		Comp	liance		Comp	liance		Comp	liance		Comp	iance		Compl	iance		Comp	liance		
Sampled	Obtained	Published	Result	90%limit	100% limit	Result	90%limit	100% limit	Result 90	%limit 100% li	nit Result	90%limit	100% limit																	
10/11/2020	20/11/2020	20/11/2020	0.000	PASS	PASS	0.00	PASS	PASS	0.00 F	PASS PASS	3.63	PASS	PASS	0.00	PASS	PASS	7.68	N/A	PASS	0.01	PASS	PASS	0.00	PASS	PASS	0.00	N/A	PASS	0.05	0.06
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
				PASS	PASS		PASS	PASS	F	PASS PASS		PASS	PASS		PASS	PASS		N/A	PASS		PASS	PASS		PASS	PASS		N/A	PASS		
90th percentile a	ssessment		0			0			0		3.	63		0						0.01			0							

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

				Biochemical					Total			Diss	Total
				Oxygen	Faecal			Phosphor	Suspende		Free	Aluminiu	aluminiu
			Ammonia	Demand	Coliforms	Nitrogen	Oil & Grease	us	d Solids	pН	Chlorine	m	m
ſ	Current	Min to date	0.00	0.00	14.00	2.96	0.00	0.02	4.00	7.87	0.00	0.07	0.21
	Current Summary Data	Max to date	0.00	0.00	14.00	2.96	0.00	0.02	4.00	7.87	0.00	0.07	0.21
	Summary Data	Average	0.00	0.00	14.00	2.96	0.00	0.02	4.00	7.87	0.00	0.07	0.21

	Date		Result										
Sampled	Obtained	Published	Result										
10/11/2020	20/11/2020	20/11/2020	0.000	0.00	14.00	2.96	0.00	0.02	4.00	7.87	0.00	0.07	0.21

OUTFLOW (HILL 800)

Inflow daily limit (k	L)	6,000											
г					2	020/2021 Lice	nce Year						
	October	November	December	January	February	March	April	May	June	July	August	Sept	October
		0				-							
2		0											
i		376											
k i i i i i i i i i i i i i i i i i i i		355											
;		322										L	
<u>.</u>		369											
,		318											
<u>}</u>		0											
0		406											
1		406											
2		400											
3													
4													
5													
6													
7													
8													
9													
0													
1													
2													
3													
4												L	
5	0												
6	0												
7	0												
9	208												
0	454												-
1	340												
	0.10												
n	0	0	0	0	0	0	0	0	0	0	0	0	0
m	454	406	0	0	0	0	0	0	0	0	0	0	0
	190	231	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	1,327	2,546	0	0	0	0	0	0	0	0	0	0	0
m						0							
m						454							
						215							
						3,873							

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

OUTFLOW (BELTANA)

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

Licence Limit Condition (sect L4.1)		<i>ı</i> daily limi	t (kL)	6,000											
								2020/2021	Licence Yea	ır					
			October	November	December	January	February	March	April	May	June	July	August	Sept	October
	1			1709											
	2			1115											
	3			728											
	4			580											
	5			664											
	6			891											
	7			774											
	8			1384											
	9			988											
	10			436											
	11			505											
	12														
	13														
	14														
	15														
	16														
	17														
	18														
	19														
	20														
	21														
	22														
	23														
	24														
	25		1640												
	26		1396												
	27		865												
	28		650												
	29		669												
	30		714												
	31		549												
	Minimum		549	436	0	0	0	0	0	0	0	0	0	0	0
N da webbi	Maximum		1,640	1,709	0	0	0	0	0	0	0	0	0	0	0
Monthly	Average		926	889	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Total		6,483	9,774	0	0	0	0	0	0	0	0	0	0	0
	Minimum							4	36						
	Maximum								709						
YTD	Average								03						
	Total								,257						



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	<u>Licence</u>

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

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

			Pollutant		Ammonia			ical Oxygen Del	mand		ecal Coliforn	ns		Nitrogen			Oll & Greas	e		рн			Phosphorus		TOLATS	suspended s	solids	DISS AI	TOT AI
		Licence Limit	Unit		mg/L			mg/L			cfu/100mL			mg/L			mg/L			рН			mg/L			mg/L		mg/L	mg/L
		Conditions (sect	90% limit		2			5			100			8			2		N/A				0.5			10		N/A	N/A
		L3.4)	100% limit		10			10			200			10			10		Between	6.5	8.5		1			15		N/A	N/A
	Compari	ison Year	2020/21																										
			Min to date	0.00			0.00			0.00			1.38			0.00			7.90			0.02			0.00			0.07	0.09
		Current	Max to date	0.00			2.00			6.00	1		3.00			0.00	-		9.24	-		0.08	-	-	3.00		ľ	0.14	0.17
		Summary Data	Average	0.00			0.40	-		1.40			1.91	-		0.00	-		8.51	-		0.04	-	-	1.40	-	-	0.09	0.12
Licence		Date			Comp	liance		Compli	ance		Compl	iance		Comp	liance		Comp	oliance		Com	oliance		Com	oliance		Comp	liance	(
Year	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	Result	90%limit	100% limit	Result	90%limit	100% limit		
2020/21	21/07/2020	29/07/2020	11/08/2020	0.00	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	1.76	PASS	PASS	0.00	PASS	PASS	9.24	N/A	FAIL	0.02	PASS	PASS	0.00	PASS	PASS	0.08	0.12
2020/21	18/08/2020	27/08/2020	26/10/2020	0.00	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	3.00	PASS	PASS	0.00	PASS	PASS	8.93	N/A	FAIL	0.02	PASS	PASS	0.00	PASS	PASS	0.10	0.12
2020/21	16/09/2020	23/09/2020	26/10/2020	0.00	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	1.59	PASS	PASS	0.00	PASS	PASS	8.39	N/A	PASS	0.08	PASS	PASS	2.00	PASS	PASS	0.07	0.09
2020/21	13/10/2020	21/10/2020	26/10/2020	0.00	PASS	PASS	0.00	PASS	PASS	1.00	PASS	PASS	1.38	PASS	PASS	0.00	PASS	PASS	8.1	N/A	PASS	0.06	PASS	PASS	2.00	PASS	PASS	0.07	0.09
2020/21	10/11/2020	23/11/2020	11/12/2020	0.00	PASS	PASS	2.00	PASS	PASS	6.00	PASS	PASS	1.81	PASS	PASS	0.00	PASS	PASS	7.9	N/A	PASS	0.04	PASS	PASS	3.00	PASS	PASS	0.14	0.17
		· · ·			PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS		
2020/21 2020/21					PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS		
2020/21					PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS		
2020/21					PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS		
2020/21					PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS		
2020/21					PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS		
2020/21					PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS		
2020/21					PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS		
2020/21					PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS		
	90th percentile assessment 0						1.2	!		4			2.524)					0.072	2		2.6				

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

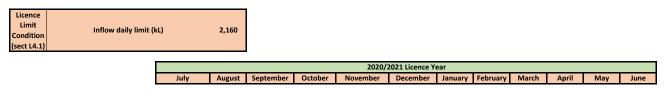
		Ammonia	Biochemical Oxygen Demand	Faecal Coliforms	Nitrogen	Oil & Grease	Phosphor us	Total Suspende d Solids	pН
6	Min to date	0.70	0.00	192.00	5.72	0.00	0.08	10.00	7.40
Current	Max to date	1.00	6.00	2480.00	7.53	0.00	0.35	18.00	7.73
Summary Data	Average	0.92	2.20	904.00	6.57	0.00	0.14	13.20	7.55

Licence		Date		Desult	Desult	Desult	Beault	Desult	Decult	Decult	Desult
Year	Sampled	Obtained	Published	Result	Result	Result	Result	Result	Result	Result	Result
2020/21	21/07/2020	29/07/2020	11/08/2020	0.90	2.00	1280.00	5.72	0.00	0.08	15.00	7.62
2020/21	18/08/2020	27/08/2020	26/10/2020	1.00	0.00	340.00	6.14	0.00	0.08	10.00	7.56
2020/21	16/09/2020	23/09/2020	26/10/2020	0.70	0.00	192.00	7.53	0.00	0.08	12.00	7.73
2020/21	13/10/2020	21/10/2020	26/10/2020	1.00	6.00	2480.00	6.37	0.00	0.35	18.00	7.4
2020/21	10/11/2020	23/11/2020	11/12/2020	1.00	3.00	228.00	7.09	0.00	0.13	11.00	7.43
2020/21											
2020/21											
2020/21											
2020/21											
2020/21											
2020/21											
2020/21											
2020/21											
2020/21											

INFLOW

OUTFLOW

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



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



1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
 22
23
24
25
26
27
 28
29
30
31

631	745	723	815	1480							
637	760	707	805	1623							
642	678	712	819	897							
697	662	703	793	845							
716	669	751	813	1687							
638	669	793	1210	1108							
620	738	722	908	981							
668	1247	699	1096	1003							
643	4088	684	792	849							
617	1311	697	834	831							
697	952	696	841	822							
687	860	763	724	818							
643	812	766	728	798							
626	717	720	706								
642	1032	701	694								
639	936	677	689								
637	811	669	802								
695	788	682	922								
712	1076	730	835								
622	943	940	969								
621	954	832	918								
618	1002	845	752								
672	966	716	757								
668	839	753	1111								
755	785	891	1142								
824	793	882	1238								
729	763	872	1009								
713	743	788	868								
703	800	764	910								
700 684	836 738	734	830 1611								
684	/38		1011								
617	662	669	689	798	0	0	0	0	0	0	0
824	4,088	940	1,611	1,687	0	0	0	0	0	0	0
671	958	754	901	1,057	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0
20,796	29,713	22,612	27,941	13,742	0	0	0	0	0	0	0
					617						
					4,088						
					844						
					114,804						

1	42	530	715	913	1730							
2	41	344	236	620	1083							
3	741	808	784	37	1175							
4	1453	472	558	878	430							
5	582	362	429	63	1718							
6	20	805	435	1727	781							
7	42	379	851	397	893							
8	0	1311	481	1148	958							
9	0	1742	366	853	899							
10	859	1801	780	462	609							
11	1130	1717	387	451								
12	922	1691	587	824	804							
13	343	710	332	435	800							
14	46	871	829	334								
15	37	1019	361	469								
16	33	402	513	827								
17	154	784	174	67								
18	25	849	466	869								
19	21	846	501	861								
20 21	20 101	826 958	1059 799	455 535								
21	508	1211	659	639								
22	1213	711	671	696								
23	275	405	426	896								
25	35	905	1325	844								
26	927	816	331	1719								
27	480	116	666	88								
28	649	791	865	634								
29	587	935	411	1537								
30	842	116	419	805								
31	388	803		712								
Minimum	0	116	174	37	430	0	0	0	0	0	0	0
Maximum	1,453	1,801	1,325	1,727	1,730	0	0	0	0	0	0	0
Average	404	840	581	703	990	#DIV/0!						
Total	12,516	26,036	17,416	21,795	11,880	0	0	0	0	0	0	0
Minimum						0						
Maximum						1,801						
Average						664						
Total						89,643						

YTD

	Minimum
Monthly	Maximum
wontiny	Average
	Total
	Minimum
YTD	Maximum
τιυ	Average
	Total



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

Site Name:	Braidwood Sewage Treatment Plant	Site Address:	26 Sandholes Road, BRAIDWOOD NSW 2622
Licencee Name	Queanbeyan-Palerang Regional Council	Address	10 Majara Street, BUNGENDORE NSW 2621
EPA Licence #	1733	Link to licence	Licence

Condition M2 - Requirement to monitor concentration of pollutants discharged (EPA Identification point 1 - Discharge point to Flood Creek - 4 weekly intervals)

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

Comparison Year 2020/21

2

Compa	rison year	2020/21								
	Current	Min to date	0.20	0.00	0.00	3.44	0.00	6.42	0.01	0.00
		Max to date	0.40	2.00	0.00	4.36	0.00	7.70	0.04	12.00
	Summary Data	Average	0.34	0.40	0.00	3.83	0.00	7.33	0.03	5.80

		Current	Min to date	0.20			0.00			0.00			3.44			0.00			6.42			0.01			0.00			503	0.08	0.19
		Summary Data	Max to date	0.40			2.00			0.00			4.36			0.00			7.70	_		0.04			12.00			770	0.19	2.85
		Summary Data	Average	0.34			0.40			0.00			3.83			0.00			7.33			0.03			5.80			641.2	0.11	1.30
Licence		Date			Comp	oliance		Comp	liance		Com	pliance		Com	pliance		Comp	liance												
Year	Sampled	Obtained	Published	Result	90%limit	100% limit			1																					
2020/2021	21/07/2020	29/07/2020	11/08/2020	0.40	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	4.36	PASS	PASS	0.00	PASS	PASS	7.63	N/A	PASS	0.02	PASS	PASS	6.00	PASS	PASS	636	0.08	1.30
2020/2021	18/09/2020	27/08/2020	26/10/2020	0.20	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	3.86	PASS	PASS	0.00	PASS	PASS	7.28	N/A	PASS	0.03	PASS	PASS	12.00	WARNING	PASS	503	0.08	2.85
2020/2021	17/09/2020	28/09/2020	26/10/2020	0.30	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	3.90	PASS	PASS	0.00	PASS	PASS	6.42	N/A	FAIL	0.01	PASS	PASS	8.00	PASS	PASS	666	0.19	1.85
2020/2021	13/10/2020	21/10/2020	26/10/2020	0.40	PASS	PASS	0.00	PASS	PASS	0.00	PASS	PASS	3.59	PASS	PASS	0.00	PASS	PASS	7.61	N/A	PASS	0.04	PASS	PASS	3.00	PASS	PASS	631	0.09	0.29
	10/11/2020	23/11/2020	11/12/2020	0.40	PASS	PASS	2.00	PASS	PASS	0.00	PASS	PASS	3.44	PASS	PASS	0.00	PASS	PASS	7.7	N/A	PASS	0.04	PASS	PASS	0.00	PASS	PASS	770	0.09	0.19
2020/2021					PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS															
2020/2021					PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS															
2020/2021					PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS															
2020/2021					PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS															
2020/2021					PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS															
2020/2021					PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS															
2020/2021					PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS															
2020/2021					PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS															
2020/2021					PASS	PASS		N/A	FAIL		PASS	PASS		PASS	PASS															
	90th percentil	le assessment		0.4			1.2			0			4.176			0						0.04			10.4					

Condition M2 - Requirement to monitor concentration of pollutants discharged (EPA Identification point 3 - Downstream at Boppings Crossing - Special intervals)

				Ammonia	Biochemic al Oxygen Demand	Faecal Coliforms	Nitrogen	Oil & Grease	Phosphor us	Total Suspende d Solids	рН	Conductivi ty	Diss Al	Tot Al
		Current	Min to date	0.00	0.00	28.00	0.67	0.00	0.02	5.00	7.65	260	0	0.06
		Summary Data	Max to date	0.00	0.00	340.00	1.57	0.00	0.09	12.00	8.06	450	0.21	0.67
		Summary Data	Average	0.00	0.00	173.40	1.02	0.00	0.05	6.60	7.86	372	0.074	0.22
Licence		Date		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Year	Sampled	Obtained	Published		Result			nesun						
2020/2021	21/07/2020	29/07/2020	11/08/2020	0.00	0.00	28.00	0.73	0.00	0.02	5.00	7.92	450.00	0.00	0.06
2020/2021	18/09/2020	27/08/2020	26/10/2020	0.00	0.00	101.00	1.57	0.00	0.05	5.00	7.65	260.00	0.21	0.67
2020/2021	17/09/2020	28/09/2020	26/10/2020	0.00	0.00	144.00	0.84	0.00	0.03	12.00	8.06	440.00	0.00	0.11
2020/2021	13/10/2020	21/10/2020	26/10/2020	0.00	0.00	340.00	0.67	0.00	0.04	6.00	7.95	423.00	0.02	0.09
2020/2021	10/11/2020	23/11/2020	11/12/2020	0.00	0.00	254.00	1.28	0.00	0.09	5.00	7.71	285.00	0.14	0.17
2020/2021														
2020/2021														
2020/2021														
2020/2021														
2020/2021														
2020/2021														
2020/2021														
2020/2021														

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

									Aluminiu	
	Biochemic					Total			m	
	al Oxygen	Faecal		Oil &	Phosphor	Suspende		Conductivi	(dissolved	Aluminiu
Ammonia	Demand	Coliforms	Nitrogen	Grease	us	d Solids	рН	ty)	m (total)

Current	Min to date	0.00	0.00	0.00	0.36	0.00	0.00	0.00	7.70	223	0	0
Summary Data	Max to date	0.00	2.00	670.00	1.74	0.00	0.08	11.00	8.20	455	0.26	0.96
	Average	0.00	0.40	253.40	0.95	0.00	0.04	5.20	7.94	351.2	0.096	0.284

Licence		Date		Result										
Year	Sampled	Obtained	Published	Result										
2020/2021	21/07/2020	29/07/2020	11/08/2020	0.00	0.00	11.00	0.36	0.00	0	0.00	8.03	455.00	0.00	0.00
2020/2021	18/09/2020	27/08/2020	26/10/2020	0.00	0.00	146.00	1.74	0.00	0.05	6.00	7.75	223.00	0.26	0.96
2020/2021	17/09/2020	28/09/2020	26/10/2020	0.00	0.00	0.00	0.52	0.00	0.02	4.00	8.2	425.00	0.00	0.07
2020/2021	13/10/2020	21/10/2020	26/10/2020	0.00	0.00	440.00	0.72	0.00	0.04	5.00	8.02	386.00	0.03	0.08
2020/2021	10/11/2020	23/11/2020	11/12/2020	0.00	2.00	670.00	1.39	0.00	0.08	11.00	7.7	267.00	0.19	0.31
2020/2021														
2020/2021														
2020/2021														
2020/2021														
2020/2021														
2020/2021														
2020/2021														
2020/2021														

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									
		July	August	September	October	November	December	January	February	March	April	May	June
							021 Licence	Year					
1		515	676	407	401	963							
2		502	686	416	354	1339							
3		516	528	492	373	852							
4		556	608	444	355	586							
5		589	585	496	413	855							
6		615	579	457	334	1053							
7		522	507	495	245								
8		628	975	389	357								
9		675	234	349	389								
10		670	653	320	392								
11		0	543	364	352								
12		506	436	470	360								
13		451	481	264	315								
14		456	414	305	272								
15		527	329	271	352								
16		497	445	401	269								
17		623	476	321	298								
18		445	456	322	403								
19		410	412	341	376								
20		588	367	382	306								
21		602	427	318	349								
22		637	401	381	402								
23		533	551	374	368								
24		768	492	390	347								
25		541	516	384	352								
26		351	503	422	325								
27		289	390	433	329								
28		310	534	357	411								
29		477	519	358	365								
30		667	420	310	522								
31		668	382		807								
/linimum		0	234	264	245	586	0	0	0	0	0	0	0
Aaximum		768	975	496	807	1,339	0	0	0	0	0	0	0
verage		520	501	381	371	941	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total		16,134	15,525	11,433	11,493	5,648	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01
Ainimum		10,134	13,323	11,455	11,453	3,040	0	0	0	0	0	0	0
/inimum /iaximum							-						
							1,339 467						
verage													
otal							60,233						

YTD

INFLOW

Aonthl

YTD

Licence Limit Condition (sect L4.1)	Outflo	ow daily lim	it (kL)	1,440									
		July	August	September	October	November	December	January	February	March	April	May	June
							2020/2021	Licence Yea	ar			r	
1		284	332	412	342	998							
2		274	317	284	477	661							
3		286	304	339	440	547							
4		289 281	290 279	527 439	424 457	694 1025							
6		281	279	369	457	726							
7		256	458	369	459	726							
8		2/0	1770	343	434								
9		268	3365	301	377								
10		301	1214	297	435								
11		0	641	326	424								
12		297	507	336	497								
13		420	553	281	363								
14		380	463	387	280								
15		295	549	344	429								
16		294	545	352	307								
17		319	448	285	392								
18		292	377	278	572								
19		298	363	360	462								
20		281	362	371	403								
21 22		289	329 317	431 373	434 420								
22		261 274	317	288	537								
23		274	314	329	424								
25		343	286	310	576								
26		757	200	302	576								
27		1484	299	287	362								
28		941	262	341	429								
29		490	331	322	488								
30		424	333	288	470								
31		386	380		1615			-					
Minimum		0	259	278	280	547	0	0	0	0	0	0	0
Maximum		1,484	3,365	527	1,615	1,025	0	0	0	0	0	0	0
Average		374	543	343	476	775	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total		11,600	16,844	10,296	14,764	4,651	0	0	0	0	0	0	0
Minimum								0					
Maximum								365					
Average								51					
Total							58,	155					

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



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

Site Name:	Captains Flat Sewage Treatment Plant	Site Address:	1 Miners Road CAPTAINS FLAT NSW 2623
Licencee Name	Queanbeyan-Palerang Regional Council	Address	10 Majara Street, BUNGENDORE NSW 2621
EPA Licence #	1929	Link to licence	Licence

Condition M2 - Requirement to monitor concentration of pollutants discharged (EPA Identification point 1 - Effluent Distribution Pit - 4 weekly intervals)

	Pollutant	Ammonia	Biochemical Oxygen Demand	Faecal Coliforms	Nitrogen	Oil & Grease	рН	Phosphorus	Total Suspended Solids	Diss Al	Tot Al
Licence	imit Unit	mg/L	mg/L	cfu/100mL	mg/L	mg/L	рН	mg/L	mg/L	mg/L	mg/L
Conditi		2	10	100	8	2	N/A	0.5	10	N/A	N/A
(sect La		5	20	200	10	10	Between 6.5 8.5	1	15	N/A	N/A

6

Co	mparison Yea	a 2020/21								
	Current	Min to date	0.60	0.00	0.00	3.98	0.00	7.01	0.10	4.00
	Summary	Max to date	2.80	15.00	1.00	9.48	0.00	7.89	0.62	15.00
	Data	Average	1.58	4.60	0.40	6.67	0.00	7.39	0.34	8.40

	, c	Comparison Ye	a 2020/21																										
		Current	Min to date	0.60			0.00			0.00			3.98			0.00			7.01			0.10			4.00			0.05	0.16
		Summary	Max to date	2.80			15.00			1.00			9.48			0.00			7.89			0.62			15.00			0.09	0.51
		Data	Average	1.58			4.60			0.40			6.67			0.00			7.39			0.34			8.40			0.06	0.34
Licence		Date			Comp	iance		Compl	iance		Compl	liance		Comp	liance		Comp	liance		Com	oliance		Compl	iance		Compl	iance		
Year	Sampled	Obtained	Published	Result	90%limit	100% limit																							
2020/21	31/07/2020	10/08/2020	11/08/2020	1.70	PASS	PASS	15.00	WARNING	PASS	0.00	PASS	PASS	7.45	PASS	PASS	0.00	PASS	PASS	7.38	N/A	PASS	0.62	WARNING	PASS	15.00	WARNING	PASS	0.06	0.51
2020/21	18/08/2020	27/08/2020	26/10/2020	1.30	PASS	PASS	3.00	PASS	PASS	1.00	PASS	PASS	9.48	WARNING	PASS	0.00	PASS	PASS	7.01	N/A	PASS	0.28	PASS	PASS	6.00	PASS	PASS	0.05	0.17
2020/21	16/09/2020	23/09/2020	26/10/2020	2.80	WARNING	PASS	2.00	PASS	PASS	0.00	PASS	PASS	6.15	PASS	PASS	0.00	PASS	PASS	7.89	N/A	PASS	0.5	PASS	PASS	12.00	WARNING	PASS	0.06	0.47
2020/21	21/10/2020	30/10/2020	03/11/2020	1.50	PASS	PASS	3.00	PASS	PASS	0.00	PASS	PASS	6.31	PASS	PASS	0.00	PASS	PASS	7.33	N/A	PASS	0.18	PASS	PASS	5.00	PASS	PASS	0.09	0.39
2020/21	12/11/2020	23/11/2020	11/12/2020	0.60	PASS	PASS	0.00	PASS	PASS	1.00	PASS	PASS	3.98	PASS	PASS	0.00	PASS	PASS	7.36	N/A	PASS	0.1	PASS	PASS	4.00	PASS	PASS	0.05	0.16
2020/21					PASS	PASS		N/A			PASS	PASS		PASS	PASS														
2020/21					PASS	PASS		N/A			PASS	PASS		PASS	PASS														
2020/21					PASS	PASS		N/A			PASS	PASS		PASS	PASS														
2020/21					PASS	PASS		N/A			PASS	PASS		PASS	PASS														
2020/21					PASS	PASS		N/A			PASS	PASS		PASS	PASS														
2020/21					PASS	PASS		N/A			PASS	PASS		PASS	PASS														
2020/21					PASS	PASS		N/A			PASS	PASS		PASS	PASS														
2020/21					PASS	PASS		N/A			PASS	PASS		PASS	PASS														
	90th percentile	assessment		2.36			10.2			1			8.66	3		0)					0.572	2		13.8			0.078	0.494

Condition M2 - Requirement to monitor concentration of pollutants discharged (EPA Identification point 2 - Upstream at Rear of Number 2 Foxlow Street)

				Biochemical					Total			
				Oxygen	Faecal		Oil &	Phosphor	Suspende		1	
_			Ammonia	Demand	Coliforms	Nitrogen	Grease	us	d Solids	рН	Diss Al	Tot Al
	Current	Min to date	0.00	0.00	0.00	0.34	0.00	0.01	0.00	6.65	0.13	0.27
	Summary	Max to date	0.10	2.00	14.00	0.84	0.00	0.03	22.00	7.73	0.52	2.09
	Data	Average	0.02	0.40	6.40	0.53	0.00	0.02	10.80	7.31	0.35	0.76
-												
	Date		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
pled	Obtained	Published	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
/2020	10/08/2020	11/08/2020	0.10	2.00	0.00	0.84	0.00	0.03	20.00	7.37	0.48	0.71
1												

2020/21	31/0//2020	10/08/2020	11/08/2020	0.10	2.00	0.00	0.84	0.00	0.03	20.00	/.3/	0.48	0.71
2020/21	18/08/2020	27/08/2020	26/10/2020	0.00	0.00	11.00	0.53	0.00	0.03	22.00	6.65	0.52	2.09
2020/21	16/09/2020	23/09/2020	26/10/2020	0.00	0.00	0.00	0.34	0.00	0.01	6.00	7.73	0.32	0.34
2020/21	21/10/2020	30/10/2020	03/11/2020	0.00	0.00	7.00	0.42	0.00	0.01	0.00	7.31	0.13	0.27
2020/21	10/11/2020	23/11/2020	11/12/2020	0.00	0.00	14.00	0.54	0.00	0.02	6.00	7.50	0.32	0.39
2020/21													
2020/21													
2020/21													
2020/21													
2020/21													
2020/21													
2020/21													
2020/21													

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

					Biochemical					Total			
					Oxygen	Faecal		Oil &	Phosphor	Suspende			
				Ammonia	Demand	Coliforms	Nitrogen	Grease	us	d Solids	рН	Diss Al	Tot Al
		Current	Min to date	0.00	0.00	0.00	0.39	0.00	0.01	6.00	6.49	0.14	0.47
		Summary	Max to date	0.00	0.00	36.00	0.82	0.00	0.03	18.00	6.92	0.48	2.02
		Data	Average	0.00	0.00	12.40	0.54	0.00	0.02	11.40	6.72	0.33	0.88
Licence		Date		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Year	Sampled	Obtained	Published	Result	nesun	Result	Result	nesuit	nesuit	nesun	nesuit	Result	nesuit

2020/21	31/07/2020	10/08/2020	11/08/2020	0.00	0.00	2.00	0.82	0.00	0.03	12.00	6.89	0.45	0.77
2020/21	18/08/2020	27/08/2020	26/10/2020	0.00	0.00	9.00	0.50	0.00	0.02	18.00	6.49	0.48	2.02
2020/21	16/09/2020	23/09/2020	26/10/2020	0.00	0.00	0.00	0.39	0.00	0.01	11.00	6.73	0.14	0.66
2020/21	21/10/2020	30/10/2020	03/11/2020	0.00	0.00	15.00	0.48	0.00	0.02	10.00	6.55	0.17	0.47
2020/21	10/11/2020	23/11/2020	11/12/2020	0.00	0.00	36.00	0.50	0.00	0.02	6.00	6.92	0.39	0.48
2020/21													
2020/21													
2020/21													
2020/21													
2020/21													
2020/21													
2020/21													
2020/21													

OUTFLOW

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

Licence			
Limit	Inflow daily limit (kL)	324	
Condition	innow daily innit (KE)	524	
(sect L3.1)			

Minimum Maximum

Average Total Minimum Maximum

verage

Лonth

YTD

July August September October November December January February March April May June

	2020/2021 Licence Year										
87	174	139	123	326							
92	164	128	206	470							
89	155	132	146	337							
85	148	126	137	271							
96	137	126	114	242							
95	126	123	114	381							
82	0	127	134								
81	201	118	153								
84	476	124	255								
81	667	112	197								
76	585	88	180								
97	468	82	168								
95	366	92									
143	302	89	123								
120	272	82	123								
107	303	87	122								
102	284	103	128								
99	247	86	140								
109	214	95	178								
106	212	95	159								
105	201	130	138								
95	187	116	128								
94	179	129	128								
90	0	108	120								
94	160	104	261								
99	160	160	336								
218	153	143	300								
426	148	124	271								
294	148	110	237								
223	152	111	236								_
194	146		226								
76	0	82	114	242	0	0	0	0	0	0	0
426	667	160	336	470	0	0	0	0	0	0	0
124	230	113	176	338	#DIV/0!						
3,858	7,135	3,389	5,281	2,027	0	0	0	0	0	0	0
6,655	,,100	0,000	5,201	2,027	0	Ŭ	Ŭ	Ŭ		Ŭ,	Ť
					667						
					169						
					21,690						

	July		August	September	October	November	Decemb
						20	020/2021
1		89	172	120	132	368	
2		92	161	112	186	498	
3		87	156	116	147	330	
4		85	150	112	138	266	
5		99	139	109	127	242	
		93	128	111	127	399	
		85	0	112	140		
		83	206	105	164		
		84	645	103	254		
0		85	1669	103	201		
1		83	809	99	191		
		85	470	96	177		
		96	357	109			
		132	300	106	134		
		122	269	101	172		
	-	110	304	102	127		
	1	101	280	108	130		
	1	100	243	91	141		
	1	110	218	94	174		
	1	111	212	99	154		
	1	105	198	134	137		
		97	186	118	130		
		96	177	123	127		
		94	0	110	121		
		92	155	106	278		
	-	100	144	157	310		
		248	140	140	299		
		394	137	123	266		
		281	128	114	237		
		221	136	116	235		
		192	134		225		
m	83	-	0	91	121	242	0
um	394		1,669	157	310	498	0
mum age	124		272	137	179	351	#DIV/0
БС	3,852	2	8,423	3,349	5,381	2,103	#DIV/0
um	5,65.	-	0,423	3,345	3,301	2,105	0
num							1,
ge		_					
							23
al							23

Licence Limit Condition (sect L3.1)

YTD

Outflow daily limit (kL)

INFLOW

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

December	January	February	March	April	May	June
020/2021 Lice	ance Vear					
520/2021 Lic				1	1	
				-	-	
				-	-	
0	0	0	0	0	0	0
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0	#DIV/0:	0	#DIV/0:	#DIV/0:	0
0						
1,669)					
181						
23,10	8					