

SEWER TREATMENT PLANTS - Environmental Compliance													01 October 2019 -30 September 2020	
Mudgee Wastewater Treatment Plant 33 Blain Road, Caerleon, NSW, 2850 Environment Protection Licence: 5230 <a href="http://www.epa.nsw.gov.au/prpoeoapp/">http://www.epa.nsw.gov.au/prpoeoapp/</a>														
Monitoring Point 1		pH	EC	TDS (calculated)	TSS	Total Nitrogen	Total Phosphorus	Chlorophyll a	Oil & Grease	BOD	Faecal Coliforms	Report generated	Comments	
Pollutant					10	10	0.5		2	10	200			
Limit 90 percentile		6.5-8.5			30	15	1		10	15	600			
Limit 100 percentile														
Units			µs/cm	mg/L	mg/L	mg/L	mg/L	mg/m3	mg/L	mg/L	CFU/100mL			
Date sampled	Date results received													
9/10/2019	16/10/2019	7.2	1070	717	9	6.4	0.43	7	2	<2	630	3/08/2020	note: all data reformatted to comply with EPA guidelines hence "Report generated" date identical from Oct 19 to July 20	
6/11/2019	14/11/2019	7.1	1020	683	6	11	0.5	8	<2	4	110	3/08/2020		
3/12/2019	11/12/2019	7.2	1020	683	4	3.1	0.45	2	<2	2	100	3/08/2020		
8/01/2020	16/01/2020	7.3	1030	690	4	4.4	0.17	32	2	<2	25	3/08/2020		
13/02/2020	21/02/2020	7.4	923	618	4	4.3	0.2	8	<2	<2	140	3/08/2020		
9/03/2020	17/03/2020	7.4	1040	697	4	3.3	0.19	9	2	2	53	3/08/2020		
6/04/2020	14/04/2020	7.6	1180	791	3	5.4	0.11	1	<2	15	130	3/08/2020		
5/05/2020	13/05/2020	7.4	1040	697	1	5.9	0.31	1	<2	<2	4	3/08/2020		
3/06/2020	10/06/2020	7.4	1080	724	2	5.4	0.08	<1	<2	2	95	3/08/2020		
7/07/2020	14/07/2020	7.5	1090	730	6	6.7	0.3	7	<2	3	12	3/08/2020		
11/08/2020	19/08/2020	7.4	1080	724	9	8.6	0.78	2	<1	2	<1	20/08/2020	VSD in bioreactor failed during weekend and was out of action for almost 2 days. Programming and procedure changes are being implemented to reduce likelihood of this happening again.	
24/09/2020	30/09/2020	7.6	1060	710	12	9.0	0.7	<1	<2	6	75	30/09/2020	DO probe failure in EAT2 late afternoon of 23/09 which compromised the aeration process. Alum dosing pump fault early in the week affected performance of the plant	
No of samples taken		12	12	12	12	12	12	10	12	12	12			
EPA required frequency (samples per year)		Monthly (12)			Monthly (12)	Monthly (12)	Monthly (12)		Monthly (12)	Monthly (12)	Monthly (12)			
Minimum		7.1	923	618	1.0	3.1	0.08	1	0.5	1.0	0			
Average		7.4	1053	705	5.3	6.1	0.35	8	1.2	3.3	115			
Maximum		7.6	1180	791	12	11.0	0.78	32	2	15	630			
Samples within 90 % limits (%)					92	92	83		100	92	92			
Samples within 100 % limits (%)		100			100	100	100		100	100	92			

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Mudgee Wastewater Treatment Plant 33 Blain Road, Caerleon, NSW, 2850 Environment Protection Licence: 5230								
Monitoring Point 2		Min	Max	Average	Samples within Limits (%)	No of reading taken	Number of	Comments
Frequency: daily								
Limits		11500 KL/Day	11500 KL/Day	11500 KL/Day	11500 KL/Day			
Units		KL	KL	KL	KL			
Month	Report generated							
October	3/08/2020	1799	3093	2546	100	31	31	
November	3/08/2020	1682	3292	2423	100	30	30	
December	3/08/2020	1903	2855	2458	100	31	31	
January	3/08/2020	1410	3960	2428	100	31	31	
February	3/08/2020	1670	3270	2516	100	29	29	
March	3/08/2020	1635	7807	2981	100	31	31	
April	3/08/2020	2228	8035	3570	100	30	30	
May	3/08/2020	2037	3637	2817	100	31	31	
June	3/08/2020	2238	3721	2857	100	30	30	
July	3/08/2020	2607	6673	3532	100	31	31	
August	2/09/2020	3307	4381	3632	100	31	31	
September	1/10/2020	2741	5397	3336	100	30	30	

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Mudgee Wastewater Treatment Plant 33 Blain Road, Caerleon, NSW, 2850 Environment Protection Licence: 5230								
Monitoring Point 3		Min	Max	No of days flowing	Samples within Limits	No of reading	Number of	Comments
Frequency: daily								
Limits		11500 KL/Day	11500 KL/Day		11500 KL/Day			
Units		KL	KL		KL			
Month	Report generated							
October	3/08/2020	0	0	0	100	31	31	
November	3/08/2020	0	0	0	100	30	30	
December	3/08/2020	0	0	0	100	31	31	
January	3/08/2020	0	0	0	100	31	31	
February	3/08/2020	0	0	0	100	29	29	
March	3/08/2020	0	255	1	100	31	31	
April	3/08/2020	0	1143	1	100	30	30	
May	3/08/2020	0	0	0	100	31	31	
June	3/08/2020	0	0	0	100	30	30	
July	3/08/2020	0	0	0	100	31	31	
August	2/09/2020	0	0	0	100	31	31	
September	1/10/2020	0	0	0	100	30	30	