

## SEWER TREATMENT PLANTS - Environmental Compliance

01 October 2020 -30 September 2021

Mudgee Wastewater Treatment Plant

33 Blain Road, Caerleon, NSW, 2850

Environment Protection Licence: 5230

<http://www.epa.nsw.gov.au/prpoeoapp/>

Monitoring Point 1 Pollutant		pH	EC	TDS (calculated)	TSS	Total Nitrogen	Total Phosphorus	Chlorophyll a	Oil & Grease	BOD	Faecal Coliforms	Report generated	Comments
Limit 90 percentile					10	10	0.5		2	10	200		
Limit 100 percentile		6.5-8.5			30	15	1		10	15	600		
Units			µs/cm	mg/L	mg/L	mg/L	mg/L	mg/m3	mg/L	mg/L	CFU/100mL		
Date sampled	Date results received												
22/10/2020	29/10/2020	7.4	1100	737	10	5.8	0.6	3	<2	4	10	29/10/2020	Catch balance tank retaining solids after storm event
23/11/2020	30/11/2020	7.5	1100	737	50	9.3	2.43	<1	<2	5	340	3/12/2020	Issues identified with Catch Balance Tank clean out. Program of works has been devised in consultation with DPIE to address the phosphorus issue. It is anticipated that the work will take up to 6 months. EPA has been advised of the course of actions.
16/12/2020	29/12/2020	7.3	1090	730	<1	6.5	0.15	<1	<2	<2	4	7/01/2021	
13/01/2021	25/01/2021	7.3	1110	744	2	7.4	0.14	<1	<2	2	10	27/01/2021	
10/02/2021	17/02/2021	7.4	1050	704	2	11	0.13	1	<2	<2	42	18/02/2021	See comments from November.
18/03/2021	25/03/2021	7.4	1020	683	2	8.6	0.1	<1	<1	2	3	30/03/2021	
13/04/2021	21/04/2021	7.4	1110	744	2	8.4	0.09	<1	<2	<2	10	22/04/2021	Catch balance tank was successfully cleaned on 15th April 2021
26/05/2021	2/06/2021	7.6	1050	704	12	8.2	0.58	11	<2	3	43000	3/06/2021	UV system failure after extended power outage (7h) in Mudgee. Reported to EPA (Ref number 2901)
1/06/2021	7/06/2021	7.6	1040	697	2	9.7	0.2			<2	79	7/06/2021	
29/06/2021	6/07/2021	7.5	1070	717	3	7.9	0.47	1	<2	<2	4700	7/07/2021	UV system being investigated for potential fault. Faecal coliforms resampled on 5/07.
No of samples taken		10	10	10	10	10	10	4	10	10	10		
EPA required frequency (samples per year)		Monthly (12)			Monthly (12)	Monthly (12)	Monthly (12)		Monthly (12)	Monthly (12)	Monthly (12)		
Minimum		7.3	1020	683	0.5	5.8	0.09	1	0.5	1.0	3		
Average		7.4	1074	720	9.3	8.3	0.49	4	0.9	2.2	4820		
Maximum		7.6	1110	743.7	50	11.0	2.43	11	1	5	43000		
Samples within 90 % limits (%)					70	90	70		90	90	70		
Samples within 100 % limits (%)		100			80	100	90		90	90	80		

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Monitoring Point 2		Min	Max	Average	Samples within Limits (%)	No of reading taken	Number of reading required	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	2/11/2020	2613	4690	3219	100	31	31		
November	3/12/2020	2609	4486	3105	100	30	30		
December	1/07/2021	2348	5733	3064	100	31	31		
January	4/02/2021	2089	4362	2809	100	31	31		
February	2/03/2021	2571	5783	3143	100	28	28		
March	1/04/2021	0	8964	3265	100	31	31	Mudgee Pipeline failure on 24th March	
April	14/05/2021	2243	3635	2898	100	30	30		
May	1/06/2021	2256	5818	3144	100	31	31		
June	6/07/2021	2437	9406	4217	100				
					0				
					0				
					0				

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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	2/11/2020	0	0	0	100	31	31		
November	3/12/2020	0	0	0	100	30	30		
December	1/07/2021	0	0	0	100	31	31		
January	4/02/2021	0	0	0	100	31	31		
February	3/03/2021	0	0	0	100	28	28		
March	1/04/2021	0	6531	3	100	31	31		
April	14/05/2021	0	0	0	100	30	30		
May	1/06/2021	0	0	0	100	31	31		
					0				
					0				
					0				
					0				