

SEWER TREATMENT PLANTS - Environmental Compliance

01 October 2023 -30 September 2024

Mudgee Wastewater Treatment Plant
33 Blain Road, Caerleon, NSW, 2850

Environment Protection Licence: 5230 <http://www.epa.nsw.gov.au/prpoeoapp/>

Monitoring Point 1		pH	EC	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/m3	mg/L	mg/L	CFU/100mL		
Date sampled	Date results received											
11/10/2023	18/10/2023	7.1	1020	5	4.7	0.51	7	<2	2	38	19/10/2023	Higher phosphorus reading detected by Operational staff, Alum dosing adjusted and phosphorus levels back to low levels within a couple of days
8/11/2023	15/11/2023	7.6	1040	2	4.5	0.11	<1	<2	<2	<1	15/11/2023	
14/12/2023	27/12/2023	7.5	1080	2	6.5	0.16	11	<2	2	10	2/01/2024	
15/01/2024	22/01/2024	7.6	1040	<1	4.9	0.16	1	<2	<2	10	24/01/2024	
14/02/2024	22/02/2024	7.6	976	2	6.9	0.25	6	<2	3	40	23/02/2024	
13/03/2024	20/03/2024	7.5	936	3	5.3	0.14	4	<2	<2	430	21/03/2024	Elevated Faecal coliforms under investigation. Resampling undertaken.
26/03/2024	2/04/2024									19	9/04/2024	No issue found, UV system fully functional.
17/04/2024	24/04/2024	7.4	915	1	7	0.11	2	<2	2	18	26/04/2024	
15/05/2024	22/05/2024	7.4	951	2	4	0.19	<1	2	8	7	23/05/2024	
12/06/2024	19/06/2024	7.4	943	6	4.1	0.15	4	<2	3	16	19/06/2024	
No of samples taken		9	9	9	9	9	12	9	9	10		
EPA required frequency (samples per year)		Monthly (12)		Monthly (12)	Monthly (12)	Monthly (12)		Monthly (12)	Monthly (12)	Monthly (12)		
Minimum		7.1	915	0.5	4.0	0.11	1	1.0	1.0	1		
Average		7.5	989	2.6	5.3	0.20	5	1.1	2.6	59		
Maximum		7.6	1080	6	7.0	0.51	11	2	8	430		
Samples within 90 % limits (%)				100	100	89		100	100	90		
Samples within 100 % limits (%)		100		100	100	100		100	100	100		

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Monitoring Point 2		Min	Max	Average	No of reading taken	Number of reading required	Comments	
Frequency: daily								
Limits		11500 KL/Day	11500 KL/Day	11500 KL/Day				
Units		KL	KL	KL				
Month	Report generated							
October	6/11/2023	2218	4462	3086	31	31		
November	5/12/2023	2169	5596	2922	30	30		
December	3/01/2023	1860	4398	2947	31	31		
January	5/02/2024	2072	4477	3031	31	31		
February	1/03/2024	2174	5652	3050	29	29		
March	9/04/2024	1983	3603	2812	31	31		
April	1/05/2024	2264	8012	3273	30	30		
May	3/06/2024	2152	4077	3048	31	31		
June	1/07/2024	2499	5132	3112	30	30		
July						31		
August						31		
September						30		

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Monitoring Point 3		Min	Max	No of days flowing	No of reading	Number of reading required	Comments	
Frequency: daily								
Limits								
Units		KL	KL					
Month	Report generated							
October	6/11/2023	0	0	0	31	31		
November	5/12/2023	0	0	0	30	30		
December	3/01/2023	0	0	0	31	31		
January	5/02/2024	0	0	0	31	31		
February	1/03/2024	0	1	0	29	29		
March	9/04/2024	0	0	0	31	31		
April	1/05/2024	0	0	0	30	30		
May	3/06/2024	0	0	0	31	31		
June	1/07/2024	0	0	0	30	30		
July						31		
August						31		
September						30		