

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	
10/07/2024	16/07/2024	7.5	866	2	3.4	0.11	1	<2	3	1	17/07/2024	
7/08/2024	15/08/2024	7.3	1000	2	6.9	0.11	<1	<2	3	3	15/08/2024	
11/09/2024	19/09/2024	7.4	1040	2	5.1	0.14	<1	<2	3	3	20/09/2024	
24/09/2024	1/10/2024	7.5	1020	3	5.4	0.18		<2	<2	2	3/10/2024	Additional monitoring while geobags in use
No of samples taken		13	13	13	13	13	11	13	13	14		
EPA required frequency (samples per year)		Monthly (12)		Monthly (12)	Monthly (12)	Monthly (12)		Monthly (12)	Monthly (12)	Monthly (12)		
Minimum		7.1	866.0	0.5	3.4	0.1	1.0	1.0	1.0	1		
Average		7.4	986.7	2.5	5.3	0.2	4.5	1.1	2.7	46		
Maximum		7.6	1080.0	6	7.0	0.5	11.0	2	8	430		
Samples within 90 % limits (%)				100	100	92		100	100	93		
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	5/08/2024	2662	4912	3321	31	31		
August	2/09/2024	2537	6643	3576	31	31		
September	3/10/2024	2149	4216	3047	30	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	5/08/2024	0	0	0	31	31		
August	2/09/2024	0	0	0	31	31		
September	3/10/2024	0	0	0	30	30		