

DUBBO SEWAGE TREATMENT PLANT POINT 1

2023/2024

Licensee: Dubbo Regional Council

EPL No: 3850

Monthly Result for June 2024 - Macquarie River discharge from Sampling Point 1 during June 2024											
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement					Monthly Summary		
1				4/06/2024	6/06/2024	12/06/2024	18/06/2024	26/06/2024	Average	Min.	Max.
	Biochemical Oxygen Demand	0-30	mg/L	<2	<2	<2	<2	<2	0	0	0
	Chlorophyll a	N/A	mg/L	8.3	32	34.3	26.4	31.9	26.58	8.3	34.3
	Conductivity	N/A	µS/cm	112.2	114.7	114.1	112.1	112.5	113.12	112.1	114.7
	Faecal Coliforms	0-200	cfu/100mL	16.0	5.0	10.0	24.0	11.0	13.2	5	24
	Nitrogen (total)	0-15	mg/L	7.18	6.66	4.95	4.66	6.92	6.074	4.66	7.18
	Oil and Grease	0-10	mg/L	<5	<5	<5	<5	<5	0	0	0
	Phosphorus (total)	0-10	mg/L	4.44	4.36	3.94	3.72	4.26	4.144	3.72	4.44
	Total Suspended Solids	0-30	mg/L	4	5	4	8	6	5.4	4	8
	pH	6.5-8.5	pH	7.4	8	8.1	7.8	7.8	7.82	7.4	8.1

Monthly Result for May 2024 - Macquarie River discharge from Sampling Point 1 during May 2024												
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement						Monthly Summary		
1				14/05/2024	16/05/2024	21/05/2024	23/05/2024	28/05/2024	30/05/2024	Average	Min.	Max.
	Biochemical Oxygen Demand	0-30	mg/L	<2	<2	<2	<2	<2	<2	0	0	0
	Chlorophyll a	N/A	mg/L	23.9	39.7	39.2	29.3	12.6	17.2	26.983333	12.6	39.7
	Conductivity	N/A	µS/cm	114.2	113.3	115.6	116.6	113.9	114.7	114.71667	113.3	116.6
	Faecal Coliforms	0-200	cfu/100mL	6.0	19.0	5.0	29.0	29.0	16.0	17.333333	5	29
	Nitrogen (total)	0-15	mg/L	1.79	2.55	4.17	5.04	4.82	7.59	4.3266667	1.79	7.59
	Oil and Grease	0-10	mg/L	<5	<5	<5	<5	<5	<5	0	0	0
	Phosphorus (total)	0-10	mg/L	2.4	1.9	2.26	3.22	3.62	4.54	2.99	1.9	4.54
	Total Suspended Solids	0-30	mg/L	7	4	4	5	3	4	4.5	3	7
	pH	6.5-8.5	pH	8.5	8.4	8.1	8.3	7.6	7.7	8.1	7.6	8.5

Monthly Result for April 2024 - No Macquarie River Discharge from Sampling Point 1 during April 2024							
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement	Monthly Summary		
1					Average	Min.	Max.
	Biochemical Oxygen Demand	0-30	mg/L				
	Chlorophyll a	N/A	mg/L				
	Conductivity	N/A	µS/cm				
	Faecal Coliforms	0-200	cfu/100mL				
	Nitrogen (total)	0-15	mg/L				
	Oil and Grease	0-10	mg/L				
	Phosphorus (total)	0-10	mg/L				
	Total Suspended Solids	0-30	mg/L				
	pH	6.5-8.5	pH				

Monthly Result for March 2024 - No Macquarie River Discharge from Sampling Point 1 during March 2024							
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement	Monthly Summary		
1					Average	Min.	Max.
	Biochemical Oxygen Demand	0-30	mg/L				
	Chlorophyll a	N/A	mg/L				
	Conductivity	N/A	µS/cm				
	Faecal Coliforms	0-200	cfu/100mL				
	Nitrogen (total)	0-15	mg/L				
	Oil and Grease	0-10	mg/L				
	Phosphorus (total)	0-10	mg/L				
	Total Suspended Solids	0-30	mg/L				
	pH	6.5-8.5	pH				

Monthly Result for February 2024 - No Macquarie River Discharge from Sampling Point 1 during February 2024							
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement	Monthly Summary		
1					Average	Min.	Max.
	Biochemical Oxygen Demand	0-30	mg/L				
	Chlorophyll a	N/A	mg/L				
	Conductivity	N/A	µS/cm				
	Faecal Coliforms	0-200	cfu/100mL				
	Nitrogen (total)	0-15	mg/L				
	Oil and Grease	0-10	mg/L				
	Phosphorus (total)	0-10	mg/L				
	Total Suspended Solids	0-30	mg/L				
	pH	6.5-8.5	pH				

Monthly Result for January 2024 - No Macquarie River Discharge from Sampling Point 1 during January 2024							
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement	Monthly Summary		
1					Average	Min.	Max.
	Biochemical Oxygen Demand	0-30	mg/L				
	Chlorophyll a	N/A	mg/L				
	Conductivity	N/A	µS/cm				
	Faecal Coliforms	0-200	cfu/100mL				
	Nitrogen (total)	0-15	mg/L				
	Oil and Grease	0-10	mg/L				
	Phosphorus (total)	0-10	mg/L				
	Total Suspended Solids	0-30	mg/L				
	pH	6.5-8.5	pH				

Monthly Result for December 2023 - No Macquarie River Discharge from Sampling Point 1 during December 2023							
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement	Monthly Summary		
1					Average	Min.	Max.
	Biochemical Oxygen Demand	0-30	mg/L				
	Chlorophyll a	N/A	mg/L				
	Conductivity	N/A	µS/cm				
	Faecal Coliforms	0-200	cfu/100mL				
	Nitrogen (total)	0-15	mg/L				
	Oil and Grease	0-10	mg/L				
	Phosphorus (total)	0-10	mg/L				
	Total Suspended Solids	0-30	mg/L				
	pH	6.5-8.5	pH				

Monthly Result for November 2023 - No Macquarie River Discharge from Sampling Point 1 during November 2023							
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement	Monthly Summary		
1					Average	Min.	Max.
	Biochemical Oxygen Demand	0-30	mg/L				
	Chlorophyll a	N/A	mg/L				
	Conductivity	N/A	µS/cm				
	Faecal Coliforms	0-200	cfu/100mL				
	Nitrogen (total)	0-15	mg/L				
	Oil and Grease	0-10	mg/L				
	Phosphorus (total)	0-10	mg/L				
	Total Suspended Solids	0-30	mg/L				
	pH	6.5-8.5	pH				

Monthly Result for October 2023 - No Macquarie River Discharge from Sampling Point 1 during October 2023							
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement	Monthly Summary		
1					Average	Min.	Max.
	Biochemical Oxygen Demand	0-30	mg/L				
	Chlorophyll a	N/A	mg/L				
	Conductivity	N/A	µS/cm				
	Faecal Coliforms	0-200	cfu/100mL				
	Nitrogen (total)	0-15	mg/L				
	Oil and Grease	0-10	mg/L				
	Phosphorus (total)	0-10	mg/L				
	Total Suspended Solids	0-30	mg/L				
	pH	6.5-8.5	pH				

Monthly Result for September 2023 - Macquarie River discharge from Sampling Point 1 during September 2023							
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement	Monthly Summary		
1				12/09/2023	Average	Min.	Max.
	Biochemical Oxygen Demand	0-30	mg/L	<2	0	0	0
	Chlorophyll a	N/A	mg/L	1.5	1.5	1.5	1.5
	Conductivity	N/A	µS/cm	108.4	108.4	108.4	108.4
	Faecal Coliforms	0-200	cfu/100mL	1	1	1	1
	Nitrogen (total)	0-15	mg/L	2.87	2.87	2.87	2.87
	Oil and Grease	0-10	mg/L	<5	0	0	0
	Phosphorus (total)	0-10	mg/L	2.72	2.72	2.72	2.72
	Total Suspended Solids	0-30	mg/L	<2	0	0	0
	pH	6.5-8.5	pH	7.2	7.2	7.2	7.2

Monthly Result for August 2023 - Macquarie River discharge from Sampling Point 1 during August 2023													
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement							Monthly Summary		
1				1/08/2023	3/08/2023	8/08/2023	15/08/2023	17/08/2023	22/08/2023	24/08/2023	Average	Min.	Max.
	Biochemical Oxygen Demand	0-30	mg/L	<2	<2	<5	<2	<2	<2	3	3	3	3
	Chlorophyll a	N/A	mg/L	16.2	14.9	10.6	24.9	24.6	12.2	14	16.77142857	10.6	24.9
	Conductivity	N/A	µS/cm	121.4	125	124.4	120.5	121.1	121.8	120.9	122.1571429	120.5	125
	Faecal Coliforms	0-200	cfu/100mL	6.0	22.0	24.0	5.0	10.0	27.0	31.0	17.85714286	5	31
	Nitrogen (total)	0-15	mg/L	6.3	5.98	5.27	4.29	3.79	3.14	4.4	4.738571429	3.14	6.3
	Oil and Grease	0-10	mg/L	<5	<5	<5	<5	<5	<5	<5	0	0	0
	Phosphorus (total)	0-10	mg/L	4.52	3.86	4.2	3	3.3	2.25	2.12	3.321428571	2.12	4.52
	Total Suspended Solids	0-30	mg/L	2	7	3	5	4	8	4	4.714285714	2	8
	pH	6.5-8.5	pH	7.2	7.2	7.4	7.6	7.2	7.9	7.2	7.385714286	7.2	7.9

Monthly Result for July 2023 - Macquarie River discharge from Sampling Point 1 during July 2023														
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement								Monthly Summary		
1				4/07/2023	6/07/2023	11/07/2023	13/07/2023	18/07/2023	20/07/2023	25/07/2023	28/07/2023	Average	Min.	Max.
	Biochemical Oxygen Demand	0-30	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	0	0	0
	Chlorophyll a	N/A	mg/L	17.2	14.4	10.7	6.5	9.9	13.6	7.9	9.4	11.2	6.5	17.2
	Conductivity	N/A	µS/cm	124	114	127	126	125	121.4	120	121	122.275	113.6	127.2
	Faecal Coliforms	0-200	cfu/100mL	27.0	13.0	2.0	<1	11.0	12.0	6.0	<1	11.83333333	2	27
	Nitrogen (total)	0-15	mg/L	6.26	4.68	6.2	6.63	6.3	7.1	6.62	8.77	6.57	4.68	8.77
	Oil and Grease	0-10	mg/L	<5	<5	<5	<5	<5	<5	<5	<5	0	0	0
	Phosphorus (total)	0-10	mg/L	3.94	3.38	3.9	3.82	3.4	3.52	3.32	4.14	3.6775	3.32	4.14
	Total Suspended Solids	0-30	mg/L	5	3	<2	3	3	3	4	<2	3.5	3	5
	pH	6.5-8.5	pH	7.2	7.2	7.2	7.2	7.4	7.2	7.2	7.1	7.2125	7.1	7.4