

DUBBO SEWAGE TREATMENT PLANT POINT 1

2022/2023

Licensee: Dubbo Regional Council
EPL No: 3850

Monthly Result for June 2023 - Macquarie River discharge from Sampling Point 1 during June 2023												
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement						Monthly Summary		
				6/06/2023	13/06/2023	15/06/2023	20/06/2023	22/06/2023	27/06/2023	Average	Min.	Max.
1												
	Biochemical Oxygen Demand	0-30	mg/L	2	<2	<2	<2	<2	<2	2	2	2
	Chlorophyll a	N/A	mg/L	18.6	15.4	11.4	8.3	4	8.7	11.06666667	4	18.6
	Conductivity	N/A	µS/cm	126.8	131.1	131.4	131.9	130.1	126	129.55	126	131.9
	Faecal Coliforms	0-200	cfu/100mL	48	11	26	61	25	42	35.5	11	61
	Nitrogen (total)	0-15	mg/L	9.98	11.4	8.11	7.21	8.19	8.19	8.846666667	7.21	11.4
	Oil and Grease	0-10	mg/L	<5	<5	<5	<5	<5	<5	0	0	0
	Phosphorus (total)	0-10	mg/L	5	5.66	4.6	3.54	3.42	3.46	4.28	3.42	5.66
	Total Suspended Solids	0-30	mg/L	5	4	4	4	4	3	4	3	5
	pH	6.5-8.5	pH	7.5	7.3	7.4	7.2	7.3	7.6	7.383333333	7.2	7.6

Monthly Result for May 2023 - Macquarie River discharge from Sampling Point 1 during May 2023								
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement		Monthly Summary		
				15/05/2023	18/05/2023	Average	Min.	Max.
1								
	Biochemical Oxygen Demand	0-30	mg/L	<2	<2	0	0	0
	Chlorophyll a	N/A	mg/L	24	30.8	27.4	24	30.8
	Conductivity	N/A	µS/cm	116.7	116.7	116.7	116.7	116.7
	Faecal Coliforms	0-200	cfu/100mL	22	26	24	22	26
	Nitrogen (total)	0-15	mg/L	12.2	11.6	11.9	11.6	12.2
	Oil and Grease	0-10	mg/L	<5	<5	0	0	0
	Phosphorus (total)	0-10	mg/L	6.44	6.56	6.5	6.44	6.56
	Total Suspended Solids	0-30	mg/L	3	4	3.5	3	4
	pH	6.5-8.5	pH		7.3	7.3	7.3	7.3

Monthly Result for April 2023 - No Macquarie River discharge from Sampling Point 1 during April 2023									
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement			Monthly Summary		
							Average	Min.	Max.
1									
	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 2023 - No Macquarie River discharge from Sampling Point 1 during March 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 February 2023 - No Macquarie River discharge from Sampling Point 1 during February 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 January 2023 - No Macquarie River discharge from Sampling Point 1 during January 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 December 2022 - No Macquarie River discharge from Sampling Point 1 during December 2022									
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 2022 - Macquarie River discharge from Sampling Point 1 during November 2022														
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement								Monthly Summary		
1				1/11/2022	3/11/2022	8/11/2022	10/11/2022	15/11/2022	17/11/2022	24/11/2022	29/11/2022	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	8.8	11.8	7.8	7.4	18.5	22.8	24.2	9	13.7875	7.4	24.2
	Conductivity	N/A	µS/cm	108.9	109	110	103	110.7	110.9	120.4	121.1	111.75	103	121.1
	Faecal Coliforms	0-200	cfu/100mL	3	2	5	3	1	13	39	32	12.2500	1	39
	Nitrogen (total)	0-15	mg/L	1.91	1.99	1.83	1.85	1.8	2.02	5.66	6.14	2.9	1.8	6.14
	Oil and Grease	0-10	mg/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	Phosphorus (total)	0-10	mg/L	3	2.86	2.7	2.72	2.82	2.72	3.42	3.84	3.01	2.7	3.84
	Total Suspended Solids	0-30	mg/L	2	3	3	10	4	8	8	4	5.25	2	10
	pH	6.5-8.5	pH	8.6	8.5	8.4	8.4	8.5	8.6	8.2	7.6	8.35	7.6	8.6

Monthly Result for October 2022 - Macquarie River discharge from Sampling Point 1 during October 2022											
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement					Monthly Summary		
1				4/10/2022	6/10/2022	11/10/2022	18/10/2022	25/10/2022	Average	Min.	Max.
	Biochemical Oxygen Demand	0-30	mg/L	2	<2	<2	2	<2	2	2	2
	Chlorophyll a	N/A	mg/L	4.1	8.9	17.9	33.9	7.8	14.52	4.1	33.9
	Conductivity	N/A	µS/cm	122.4	120	105	107.4	107.8	112.52	105	122.4
	Faecal Coliforms	0-200	cfu/100mL	~74	~66	5500	1	2	1834.33333	1	5500
	Nitrogen (total)	0-15	mg/L	5.34	5.14	2.53	1.76	1.88	3.33	1.76	5.34
	Oil and Grease	0-10	mg/L	<5	<5	<5	<5	<5	0	0	0
	Phosphorus (total)	0-10	mg/L	2.86	3.52	3.1	2.98	2.64	3.02	2.64	3.52
	Total Suspended Solids	0-30	mg/L	<2	4	6	7	3	5	3	7
	pH	6.5-8.5	pH	7.8	7.7	8.7	9	8.7	8.38	7.7	9

Monthly Result for September 2022 - Macquarie River discharge from Sampling Point 1 during September 2022									
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement			Monthly Summary		
				6/09/2022	13/09/2022	20/09/2022	Average	Min.	Max.
1									
	Biochemical Oxygen Demand	0-30	mg/L	<2	<2	4	4	4	4
	Chlorophyll a	N/A	mg/L	5.3	17.6	29.8	17.567	5.3	29.8
	Conductivity	N/A	µS/cm	109	109.4	115.8	111.4	109	115.8
	Faecal Coliforms	0-200	cfu/100mL	4	20	~70	12	4	20
	Nitrogen (total)	0-15	mg/L	1.93	1.82	3.19	2.3133	1.82	3.19
	Oil and Grease	0-10	mg/L	<5	<5	<5	0	0	0
	Phosphorus (total)	0-10	mg/L	2.72	2.86	3.1	2.8933	2.72	3.1
	Total Suspended Solids	0-30	mg/L	3	4	14	7	3	14
	pH	6.5-8.5	pH	8.2	8.4	8	8.2	8	8.4

Monthly Result for August 2022 - Macquarie River discharge from Sampling Point 1 during August 2022														
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement								Monthly Summary		
				2/08/2022	4/08/2022	9/08/2022	11/08/2022	16/08/2022	18/08/2022	23/08/2022	30/08/2022	Average	Min.	Max.
1														
	Biochemical Oxygen Demand	0-30	mg/L	<2	3	<2	<2	<2	<2	<2	<2	<2	<2	<2
	Chlorophyll a	N/A	mg/L	1.7	1.4	1.8	3.3	1.2	0.9	1.8	1.3	1.675	0.9	3.3
	Conductivity	N/A	µS/cm	112.2	111.8	113	112.9	110.2	110.7	109.8	110	111.325	109.8	113
	Faecal Coliforms	0-200	cfu/100mL	26	44	43	21	39	~59	9	c	30.3333	9	44
	Nitrogen (total)	0-15	mg/L	3.76	3.65	4.57	2.96	1.72	1.89	1.88	2	2.80375	1.72	4.57
	Oil and Grease	0-10	mg/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	Phosphorus (total)	0-10	mg/L	3.2	3	3	3.06	3	2.78	2.76	2.7	2.9375	2.7	3.2
	Total Suspended Solids	0-30	mg/L	4	5	<2	2	3	<2	3	<2	3.4	2	5
	pH	6.5-8.5	pH	7.6	7.6	7.6	7.6	8.1	8.1	8.1	8	7.8375	7.6	8.1

Monthly Result for July 2022 - Macquarie River discharge from Sampling Point 1 during July 2022										
Sampling Point	Pollutant	Acceptable Range	Unit	Measurement				Monthly Summary		
				5/07/2022	13/07/2022	19/07/2022	21/07/2022	Average	Min.	Max.
1										
	Biochemical Oxygen Demand	0-30	mg/L	<2	<2	<2	2	2	2	2
	Chlorophyll a	N/A	mg/L	0.8	2.3	1.5	2.8	1.85	0.8	2.8
	Conductivity	N/A	µS/cm	98.1	114.8	114.4	114.7	110.5	98.1	114.8
	Faecal Coliforms	0-200	cfu/100mL	~2500	10	9	48	22.3333	9	48
	Nitrogen (total)	0-15	mg/L	3.61	4.05	4.19	5.98	4.4575	3.61	5.98
	Oil and Grease	0-10	mg/L	<5	<5	<5	<5	0	0	0
	Phosphorus (total)	0-10	mg/L	2.82	4.22	4.36	4.62	4.005	2.82	4.62
	Total Suspended Solids	0-30	mg/L	2	3	3	3	2.75	2	3
	pH	6.5-8.5	pH	7.4	7.8	7.8	7.8	7.7	7.4	7.8