

**Bathurst Regional Council  
Waste Water Treatment Works  
EPA Licence Number 1647**



Date data published: 4/02/2021  
 Summary of results for: January  
 Number of measurements taken: 4  
 Monitoring frequency required: Weekly

**Point 1  
Discharge to Macquarie River**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
<b>Limit</b>	<b>30</b>	<b>600</b>	<b>20.0</b>	<b>10</b>	<b>6.5 - 8.5</b>	<b>2.00</b>	<b>30</b>
Minimum	2	3	3.1	2	7.3	0.15	5
Mean	3	108	3.4	2	7.3	0.19	7
Median	2	69	3.4	2	7.3	0.18	7
Maximum	4	290	3.6	2	7.4	0.25	10
Exceedance	No	No	No	No	No	No	No

**Point 3  
Environmental Monitoring Macquarie River 50m Downstream of Point 1**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	55	0.7	2	7.6	0.07	13
Mean	2	564	0.7	2	7.6	0.07	13
Median	2	650	0.7	2	7.6	0.07	13
Maximum	2	900	0.7	2	7.6	0.07	13

**Point 4  
Environmental Monitoring Macquarie River Upstream of Wastewater Treatment Works**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	33	0.6	2	7.6	0.06	12
Mean	2	543	0.6	2	7.6	0.06	12
Median	2	585	0.6	2	7.6	0.06	12
Maximum	2	970	0.6	2	7.6	0.06	12

**Point 1**

	Volume Discharged kL
Minimum	7,164
Mean	8,331
Median	8,160
Maximum	10,805

**Summary of Units of Measure**

mg/L = milligrams per litre  
 CFU/100mL = colony forming units per 100 millilitres

**Bathurst Regional Council  
Waste Water Treatment Works  
EPA Licence Number 1647**



Date data published: 3/03/2021  
 Summary of results for: February  
 Number of measurements taken: 4  
 Monitoring frequency required: Weekly

**Point 1  
Discharge to Macquarie River**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
<b>Limit</b>	<b>30</b>	<b>600</b>	<b>20.0</b>	<b>10</b>	<b>6.5 - 8.5</b>	<b>2.00</b>	<b>30</b>
Minimum	2	3	3.4	2	7.3	0.12	5
Mean	3	60	3.7	2	7.4	0.27	8
Median	3	59	3.7	2	7.4	0.23	7
Maximum	3	120	4.2	2	7.5	0.50	11
Exceedance	No	No	No	No	No	No	No

**Point 3  
Environmental Monitoring Macquarie River 50m Downstream of Point 1**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	230	0.6	2	7.5	0.06	19
Mean	2	2058	0.6	2	7.5	0.06	19
Median	2	450	0.6	2	7.5	0.06	19
Maximum	2	7100	0.6	2	7.5	0.06	19

**Point 4  
Environmental Monitoring Macquarie River Upstream of Wastewater Treatment Works**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	200	0.6	2	7.5	0.06	5
Mean	2	625	0.6	2	7.5	0.06	5
Median	2	450	0.6	2	7.5	0.06	5
Maximum	2	1400	0.6	2	7.5	0.06	5

**Point 1**

	Volume Discharged kL
Minimum	3,644
Mean	9,017
Median	8,901
Maximum	14,003

**Summary of Units of Measure**

mg/L = milligrams per litre  
 CFU/100mL = colony forming units per 100 millilitres

**Bathurst Regional Council  
Waste Water Treatment Works  
EPA Licence Number 1647**



Date data published: 13/04/2021  
 Summary of results for: March  
 Number of measurements taken: 5  
 Monitoring frequency required: Weekly

**Point 1  
Discharge to Macquarie River**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
<b>Limit</b>	<b>30</b>	<b>600</b>	<b>20.0</b>	<b>10</b>	<b>6.5 - 8.5</b>	<b>2.00</b>	<b>30</b>
Minimum	2	8	3.5	2	7.3	0.05	1
Mean	3	123	4.7	3	7.4	0.18	5
Median	2	58	4.5	2	7.4	0.17	5
Maximum	5	370	5.8	5	7.5	0.36	8
Exceedance	No	No	No	No	No	No	No

**Point 3  
Environmental Monitoring Macquarie River 50m Downstream of Point 1**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	3	100	2.1	2	7.3	0.16	141
Mean	3	996	2.1	2	7.3	0.16	141
Median	3	380	2.1	2	7.3	0.16	141
Maximum	3	3700	2.1	2	7.3	0.16	141

**Point 4  
Environmental Monitoring Macquarie River Upstream of Wastewater Treatment Works**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	3	100	2.3	2	7.2	0.17	204
Mean	3	442	2.3	2	7.2	0.17	204
Median	3	220	2.3	2	7.2	0.17	204
Maximum	3	1400	2.3	2	7.2	0.17	204

**Point 1**

	Volume Discharged kL
Minimum	7,745
Mean	11,074
Median	9,737
Maximum	27,460*

**Summary of Units of Measure**

mg/L = milligrams per litre  
 CFU/100mL = colony forming units per 100 millilitres

\* Occurred on 24/03/2021 during three day rain event.

**Bathurst Regional Council  
Waste Water Treatment Works  
EPA Licence Number 1647**



Date data published: 7/05/2021  
 Summary of results for: April  
 Number of measurements taken: 4  
 Monitoring frequency required: Weekly

**Point 1  
Discharge to Macquarie River**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
<b>Limit</b>	<b>30</b>	<b>600</b>	<b>20.0</b>	<b>10</b>	<b>6.5 - 8.5</b>	<b>2.00</b>	<b>30</b>
Minimum	2	13	4.7	2	7.2	0.17	5
Mean	3	32	8.4	2	7.3	0.19	8
Median	3	18	6.2	2	7.3	0.19	7
Maximum	3	78	16.5	2	7.4	0.20	11
Exceedance	No	No	No	No	No	No	No

**Point 3  
Environmental Monitoring Macquarie River 50m Downstream of Point 1**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	65	0.6	2	7.5	0.05	5
Mean	2	146	0.6	2	7.5	0.05	5
Median	2	150	0.6	2	7.5	0.05	5
Maximum	2	220	0.6	2	7.5	0.05	5

**Point 4  
Environmental Monitoring Macquarie River Upstream of Wastewater Treatment Works**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	61	0.6	2	7.5	0.05	8
Mean	2	111	0.6	2	7.5	0.05	8
Median	2	82	0.6	2	7.5	0.05	8
Maximum	2	220	0.6	2	7.5	0.05	8

**Point 1**

	Volume Discharged kL
Minimum	7,996
Mean	9,013
Median	8,921
Maximum	10,096

**Summary of Units of Measure**

mg/L = milligrams per litre  
 CFU/100mL = colony forming units per 100 millilitres

**Bathurst Regional Council  
Waste Water Treatment Works  
EPA Licence Number 1647**



Date data published: 8/06/2021  
 Summary of results for: May  
 Number of measurements taken: 4  
 Monitoring frequency required: Weekly

**Point 1  
Discharge to Macquarie River**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
<b>Limit</b>	<b>30</b>	<b>600</b>	<b>20.0</b>	<b>10</b>	<b>6.5 - 8.5</b>	<b>2.00</b>	<b>30</b>
Minimum	2	3	3.8	2	7.11	0.23	5
Mean	2	16	4.7	2	7.15	0.38	5
Median	2	18	4.7	2	7.15	0.42	5
Maximum	2	25	5.4	2	7.20	0.45	5
Exceedance	No	No	No	No	No	No	No

**Point 3  
Environmental Monitoring Macquarie River 50m Downstream of Point 1**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	45	0.7	2	7.69	0.21	6
Mean	2	496	0.7	2	7.69	0.21	6
Median	2	370	0.7	2	7.69	0.21	6
Maximum	2	1200	0.7	2	7.69	0.21	6

**Point 4  
Environmental Monitoring Macquarie River Upstream of Wastewater Treatment Works**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	68	0.6	2	7.69	0.11	5
Mean	2	192	0.6	2	7.69	0.11	5
Median	2	135	0.6	2	7.69	0.11	5
Maximum	2	430	0.6	2	7.69	0.11	5

**Point 1**

	Volume Discharged kL
Minimum	7,673
Mean	8,502
Median	8,491
Maximum	10,469

**Summary of Units of Measure**

mg/L = milligrams per litre  
 CFU/100mL = colony forming units per 100 millilitres

**Bathurst Regional Council  
Waste Water Treatment Works  
EPA Licence Number 1647**



Date data published: 8/07/2021  
 Summary of results for: June  
 Number of measurements taken: 5  
 Monitoring frequency required: Weekly

**Point 1  
Discharge to Macquarie River**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
<b>Limit</b>	<b>30</b>	<b>600</b>	<b>20.0</b>	<b>10</b>	<b>6.5 - 8.5</b>	<b>2.00</b>	<b>30</b>
Minimum	2	3	5.9	2	7.04	0.34	5
Mean	3	4	6.6	2	7.10	0.38	5
Median	3	3	6.8	2	7.11	0.38	5
Maximum	3	6	7.2	3	7.13	0.43	5
Exceedance	No	No	No	No	No	No	No

**Point 3  
Environmental Monitoring Macquarie River 50m Downstream of Point 1**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	3	55	0.7	2	7.78	0.05	5
Mean	3	81	0.7	2	7.78	0.05	5
Median	3	87	0.7	2	7.78	0.05	5
Maximum	3	100	0.7	2	7.78	0.05	5

**Point 4  
Environmental Monitoring Macquarie River Upstream of Wastewater Treatment Works**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	26	0.7	2	7.77	0.05	5
Mean	2	70	0.7	2	7.77	0.05	5
Median	2	45	0.7	2	7.77	0.05	5
Maximum	2	120	0.7	2	7.77	0.05	5

**Point 1**

	Volume Discharged kL
Minimum	7,551
Mean	9,665
Median	9,353
Maximum	13,530

**Summary of Units of Measure**

mg/L = milligrams per litre  
 CFU/100mL = colony forming units per 100 millilitres

**Bathurst Regional Council  
Waste Water Treatment Works  
EPA Licence Number 1647**



Date data published: 4/08/2021  
 Summary of results for: July  
 Number of measurements taken: 4  
 Monitoring frequency required: Weekly

**Point 1  
Discharge to Macquarie River**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
<b>Limit</b>	<b>30</b>	<b>600</b>	<b>20.0</b>	<b>10</b>	<b>6.5 - 8.5</b>	<b>2.00</b>	<b>30</b>
Minimum	2	3	9.4	2	7.06	0.26	5
Mean	3	3	10.0	2	7.16	0.32	5
Median	3	3	9.8	2	7.17	0.32	5
Maximum	3	3	11.1	2	7.26	0.38	5
Exceedance	No	No	No	No	No	No	No

**Point 3  
Environmental Monitoring Macquarie River 50m Downstream of Point 1**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	35	0.8	2	7.69	0.06	20
Mean	2	88	0.8	2	7.69	0.06	20
Median	2	94	0.8	2	7.69	0.06	20
Maximum	2	130	0.8	2	7.69	0.06	20

**Point 4  
Environmental Monitoring Macquarie River Upstream of Wastewater Treatment Works**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	16	0.8	2	7.70	0.05	5
Mean	2	55	0.8	2	7.70	0.05	5
Median	2	52	0.8	2	7.70	0.05	5
Maximum	2	100	0.8	2	7.70	0.05	5

**Point 1**

	Volume Discharged kL
Minimum	8,963
Mean	11,111
Median	10,802
Maximum	14,106

**Summary of Units of Measure**

mg/L = milligrams per litre  
 CFU/100mL = colony forming units per 100 millilitres

**Bathurst Regional Council  
Waste Water Treatment Works  
EPA Licence Number 1647**



Date data published: 9/09/2021  
 Summary of results for: August  
 Number of measurements taken: 4  
 Monitoring frequency required: Weekly

**Point 1  
Discharge to Macquarie River**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
<b>Limit</b>	<b>30</b>	<b>600</b>	<b>20.0</b>	<b>10</b>	<b>6.5 - 8.5</b>	<b>2.00</b>	<b>30</b>
Minimum	2	3	7.3	2	7.12	0.20	5
Mean	3	16	8.4	2	7.19	0.23	5
Median	2	14	8.3	2	7.21	0.23	5
Maximum	4	34	9.6	2	7.23	0.28	5
Exceedance	No	No	No	No	No	No	No

**Point 3  
Environmental Monitoring Macquarie River 50m Downstream of Point 1**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	26	1.0	2	7.65	0.05	13
Mean	2	484	1.0	2	7.65	0.05	13
Median	2	55	1.0	2	7.65	0.05	13
Maximum	2	1800	1.0	2	7.65	0.05	13

**Point 4  
Environmental Monitoring Macquarie River Upstream of Wastewater Treatment Works**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	42	0.9	2	7.71	0.05	10
Mean	2	458	0.9	2	7.71	0.05	10
Median	2	45	0.9	2	7.71	0.05	10
Maximum	2	1700	0.9	2	7.71	0.05	10

**Point 1**

	Volume Discharged kL
Minimum	8,988
Mean	12,069
Median	10,907
Maximum	30,374*

**Summary of Units of Measure**

mg/L = milligrams per litre  
 CFU/100mL = colony forming units per 100 millilitres

\*Rainfall 24/08/2021 = 41.4 mm  
 Rainfall 25/08/2021 = 9.2 mm



**Bathurst Regional Council  
Waste Water Treatment Works  
EPA Licence Number 1647**



Date data published: 6/10/2021  
 Summary of results for: September  
 Number of measurements taken: 5  
 Monitoring frequency required: Weekly

**Point 1  
Discharge to Macquarie River**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
<b>Limit</b>	<b>30</b>	<b>600</b>	<b>20.0</b>	<b>10</b>	<b>6.5 - 8.5</b>	<b>2.00</b>	<b>30</b>
Minimum	2	34	5.3	2	7.17	0.14	5
Mean	2	121	7.3	2	7.23	0.18	7
Median	2	56	7.6	2	7.21	0.18	7
Maximum	2	420	8.5	3	7.32	0.24	11
Exceedance	No	No	No	No	No	No	No

**Point 3  
Environmental Monitoring Macquarie River 50m Downstream of Point 1**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	29	1.2	2	7.62	0.08	27
Mean	2	202	1.2	2	7.62	0.08	27
Median	2	90	1.2	2	7.62	0.08	27
Maximum	2	670	1.2	2	7.62	0.08	27

**Point 4  
Environmental Monitoring Macquarie River Upstream of Wastewater Treatment Works**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	45	1.2	2	7.64	0.08	19
Mean	2	100	1.2	2	7.64	0.08	19
Median	2	120	1.2	2	7.64	0.08	19
Maximum	2	160	1.2	2	7.64	0.08	19

**Point 1**

	Volume Discharged kL
Minimum	4,959
Mean	10,698
Median	10,883
Maximum	15,162

**Summary of Units of Measure**

mg/L = milligrams per litre  
 CFU/100mL = colony forming units per 100 millilitres

**Bathurst Regional Council  
Waste Water Treatment Works  
EPA Licence Number 1647**



Date data published: 4/11/2021  
 Summary of results for: October  
 Number of measurements taken: 4  
 Monitoring frequency required: Weekly

**Point 1  
Discharge to Macquarie River**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
<b>Limit</b>	<b>30</b>	<b>600</b>	<b>20.0</b>	<b>10</b>	<b>6.5 - 8.5</b>	<b>2.00</b>	<b>30</b>
Minimum	2	6	4.9	2	7.29	0.16	5
Mean	2	41	5.7	2	7.36	0.19	7
Median	2	41	5.7	2	7.32	0.20	5
Maximum	3	78	6.6	2	7.50	0.21	11
Exceedance	No	No	No	No	No	No	No

**Point 3  
Environmental Monitoring Macquarie River 50m Downstream of Point 1**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	48	1.1	2	7.72	0.06	13
Mean	2	92	1.1	2	7.72	0.06	13
Median	2	90	1.1	2	7.72	0.06	13
Maximum	2	140	1.1	2	7.72	0.06	13

**Point 4  
Environmental Monitoring Macquarie River Upstream of Wastewater Treatment Works**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	65	1.0	2	7.78	0.06	5
Mean	2	109	1.0	2	7.78	0.06	5
Median	2	110	1.0	2	7.78	0.06	5
Maximum	2	150	1.0	2	7.78	0.06	5

**Point 1**

	Volume Discharged kL
Minimum	8,570
Mean	10,267
Median	9,952
Maximum	13,595

**Summary of Units of Measure**

mg/L = milligrams per litre  
 CFU/100mL = colony forming units per 100 millilitres

**Bathurst Regional Council  
Waste Water Treatment Works  
EPA Licence Number 1647**



Date data published: 8/12/2021  
 Summary of results for: November  
 Number of measurements taken: 5  
 Monitoring frequency required: Weekly

**Point 1  
Discharge to Macquarie River**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
<b>Limit</b>	<b>30</b>	<b>600</b>	<b>20.0</b>	<b>10</b>	<b>6.5 - 8.5</b>	<b>2.00</b>	<b>30</b>
Minimum	2	6	3.4	2	7.21	0.18	5
Mean	3	100	5.3	2	7.35	0.28	7
Median	3	140	5.1	2	7.32	0.28	6
Maximum	5	180	7.6	2	7.48	0.39	9
Exceedance	No	No	No	No	No	No	No

**Point 3  
Environmental Monitoring Macquarie River 50m Downstream of Point 1**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	100	0.4	2	7.50	0.05	10
Mean	2	896	0.8	2	7.57	0.06	15
Median	2	280	0.8	2	7.57	0.06	15
Maximum	2	2600	1.2	2	7.63	0.07	20

**Point 4  
Environmental Monitoring Macquarie River Upstream of Wastewater Treatment Works**

	BOD mg/L	Faecal Coliforms CFU/100mL	Total Nitrogen mg/L	Oil and Grease mg/L	pH	Total Phosphorus mg/L	Total Suspended Solids mg/L
Minimum	2	94	0.4	2	7.50	0.05	8
Mean	2	647	0.8	2	7.64	0.07	11
Median	2	220	0.8	2	7.64	0.07	11
Maximum	2	1500	1.2	2	7.77	0.08	13

**Point 1**

	Volume Discharged kL
Minimum	8,550
Mean	18,000
Median	15,507
Maximum	50,493*

**Summary of Units of Measure**

mg/L = milligrams per litre  
 CFU/100mL = colony forming units per 100 millilitres

\* Wet weather conditions

**Bathurst Regional Council  
Waste Water Treatment Works  
EPA Licence Number 1647**



Date data published: 2/02/2022\*  
 Summary of results for: December  
 Number of measurements taken: 4  
 Monitoring frequency required: Weekly

**Point 1  
Discharge to Macquarie River**

	BOD	Faecal Coliforms	Total Nitrogen	Oil and Grease	pH	Total Phosphorus	Total Suspended Solids
	mg/L	CFU/100mL	mg/L	mg/L		mg/L	mg/L
<b>Limit</b>	<b>30</b>	<b>600</b>	<b>20.0</b>	<b>10</b>	<b>6.5 - 8.5</b>	<b>2.00</b>	<b>30</b>
Minimum	2	330	6.8	2	7.29	0.19	5
Mean	3	525	8.1	2	7.32	0.21	9
Median	4	530	8.0	2	7.32	0.21	9
Maximum	4	710	9.5	2	7.36	0.24	12
Exceedance	No	Yes	No	No	No	No	No

**Point 3  
Environmental Monitoring Macquarie River 50m Downstream of Point 1**

	BOD	Faecal Coliforms	Total Nitrogen	Oil and Grease	pH	Total Phosphorus	Total Suspended Solids
	mg/L	CFU/100mL	mg/L	mg/L		mg/L	mg/L
<b>Limit</b>	<b>2</b>	<b>220</b>	<b>1.3</b>	<b>2</b>	<b>7.39</b>	<b>0.07</b>	<b>12</b>
Minimum	2	220	1.3	2	7.39	0.07	12
Mean	2	588	1.3	2	7.39	0.07	12
Median	2	365	1.3	2	7.39	0.07	12
Maximum	2	1400	1.3	2	7.39	0.07	12

**Point 4  
Environmental Monitoring Macquarie River Upstream of Wastewater Treatment Works**

	BOD	Faecal Coliforms	Total Nitrogen	Oil and Grease	pH	Total Phosphorus	Total Suspended Solids
	mg/L	CFU/100mL	mg/L	mg/L		mg/L	mg/L
<b>Limit</b>	<b>2</b>	<b>33</b>	<b>1.2</b>	<b>2</b>	<b>7.45</b>	<b>0.08</b>	<b>25</b>
Minimum	2	33	1.2	2	7.45	0.08	25
Mean	2	713	1.2	2	7.45	0.08	25
Median	2	310	1.2	2	7.45	0.08	25
Maximum	2	2200	1.2	2	7.45	0.08	25

**Point 1**

	Volume Discharged
	kL
Minimum	2,669
Mean	11,829
Median	11,998
Maximum	15,923

**Summary of Units of Measure**

mg/L = milligrams per litre  
 CFU/100mL = colony forming units per 100 millilitres

\* Full set of data originally published on 05/01/2022 but included December samples that were taken in advance to plan for closures and staff shortages in January. This data is now included in the January results.