



Inverell Sewage Treatment Plant

Sampling Point: Discharge Point	EPL No. 718
Licence Period 1 December 2022 to 30 November 2023	Licensee: Inverell Shire Council
http://www.environment.nsw.gov.au/prpoeoapp/Detail.aspx?instid=718&id=718&option=licence&searchrange=licence&range=POEO licence&prp=no&status=Issued	144 Otho Street, Inverell
	Monitoring Frequency - Monthly

		Quantity	Measurement	Limit	Units
Sampled	6/12/2022	Oil and Grease	<5	10	mg/L
Reported	20/12/2022	BOD	3	20	mg/L
Published	23/12/2022	Suspended Solids	10	30	mg/L
		pH	8.5	-	-
		Conductivity	735	-	µS/cm
		Faecal Coliforms	58	-	cfu/100ml
		Nitrate + Nitrite	1.29	-	mg/L
		Nitrogen (ammonia)	0.69	-	mg/L
		Phosphorus (total)	5.59	-	mg/L
		Chlorophyll-a			
		Total Kjeldhal Nitrogen	2.11	-	mg/L

		Quantity	Measurement	Limit	Units
Sampled	18/01/2023	Oil and Grease	11	10	mg/L
Reported	10/03/2023	BOD	4	20	mg/L
Published	17/03/2023	Suspended Solids	8	30	mg/L
		pH	8	-	-
		Conductivity	721	-	µS/cm
		Faecal Coliforms	~28	-	cfu/100ml
		Nitrate + Nitrite	0.59	-	mg/L
		Nitrogen (ammonia)	1.76	-	mg/L
		Phosphorus (total)	6.35	-	mg/L
		Chlorophyll-a	11		
		Total Kjeldhal Nitrogen	3.31	-	mg/L

		Quantity	Measurement	Limit	Units
Sampled	8/02/2023	Oil and Grease	<5	10	mg/L
Reported	10/03/2023	BOD	7	20	mg/L
Published	17/03/2023	Suspended Solids	20	30	mg/L
		pH	9	-	-
		Conductivity	657	-	µS/cm
		Faecal Coliforms	54	-	cfu/100ml
		Nitrate + Nitrite	1.13	-	mg/L
		Nitrogen (ammonia)	0.1	-	mg/L
		Phosphorus (total)	3.07	-	mg/L
		Chlorophyll-a	90		
		Total Kjeldhal Nitrogen	1.87	-	mg/L

		Quantity	Measurement	Limit	Units
Sampled	8/03/2023	Oil and Grease	<5	10	mg/L
Reported	16/03/2023	BOD	7	20	mg/L
Published	27/03/2023	Suspended Solids	21	30	mg/L
		pH	9	-	-
		Conductivity	680	-	µS/cm
		Faecal Coliforms	~10	-	cfu/100ml



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	Quantity	Measurement	Limit	Units
	Nitrate + Nitrite	0.63	-	mg/L
	Nitrogen (ammonia)	0.2	-	mg/L
	Phosphorus (total)	4.67	-	mg/L
	Chlorophyll-a	140		
	Total Kjeldhal Nitrogen	2.27	-	mg/L

	Quantity	Measurement	Limit	Units
Sampled	4/04/2023	Oil and Grease	<5	10 mg/L
Reported	19/04/2023	BOD	7	20 mg/L
Published	21/04/2023	Suspended Solids	22	30 mg/L
		pH	8.1	-
		Conductivity	614	- μS/cm
		Faecal Coliforms	~160	- cfu/100ml
		Nitrate + Nitrite	1.12	- mg/L
		Nitrogen (ammonia)	0.84	- mg/L
		Phosphorus (total)	4.56	- mg/L
		Chlorophyll-a	54	
		Total Kjeldhal Nitrogen	2.48	- mg/L

	Quantity	Measurement	Limit	Units
Sampled	2/05/2023	Oil and Grease	<5	10 mg/L
Reported	11/05/2023	BOD	3	20 mg/L
Published	19/05/2023	Suspended Solids	21	30 mg/L
		pH	8	-
		Conductivity	661	- μS/cm
		Faecal Coliforms	280	- cfu/100ml
		Nitrate + Nitrite	1.64	- mg/L
		Nitrogen (ammonia)	0.9	- mg/L
		Phosphorus (total)	5.91	- mg/L
		Chlorophyll-a	10	
		Total Kjeldhal Nitrogen	2.26	- mg/L

	Quantity	Measurement	Limit	Units
Sampled	6/06/2023	Oil and Grease	<5	10 mg/L
Reported	19/06/2023	pH	8.1	6.5-8.5 -
Published	21/06/2023	BOD	2	20 mg/L
		Suspended Solids	6	30 mg/L
		Conductivity	652	- μS/cm
		Faecal Coliforms	310	- cfu/100ml
		Nitrate + Nitrite	1.86	- mg/L
		Nitrogen (ammonia)	0.6	- mg/L
		Phosphorus (total)	4.41	- mg/L
		Chlorophyll-a	2	
		Total Kjeldhal Nitrogen	1.64	- mg/L

	Quantity	Measurement	Limit	Units
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		Quantity	Measurement	Limit	Units
Sampled	5/07/2023	Oil and Grease	<5	10	mg/L
Reported	12/07/2023	BOD	<2	20	mg/L
Published	17/07/2023	Suspended Solids	3	30	mg/L
		pH	8.2	-	-
		Conductivity	579	-	µS/cm
		Faecal Coliforms	112	-	cfu/100ml
		Nitrate + Nitrite	1.75	-	mg/L
		Nitrogen (ammonia)	0.48	-	mg/L
		Phosphorus (total)	3.95	-	mg/L
		Chlorophyll-a	2	-	-
		Total Kjeldhal Nitrogen	1.35	-	mg/L

		Quantity	Measurement	Limit	Units
Sampled	2/08/2023	Oil and Grease	<5	10	mg/L
Reported	15/08/2023	BOD	2	20	mg/L
Published	18/08/2023	Suspended Solids	16	30	mg/L
		pH	8	-	-
		Conductivity	656	-	µS/cm
		Faecal Coliforms	44	-	cfu/100ml
		Nitrate + Nitrite	1.38	-	mg/L
		Nitrogen (ammonia)	0.79	-	mg/L
		Phosphorus (total)	3.35	-	mg/L
		Chlorophyll-a	9	-	-
		Total Kjeldhal Nitrogen	1.82	-	mg/L

		Quantity	Measurement	Limit	Units
Sampled	6/09/2023	Oil and Grease	<5	10	mg/L
Reported	19/09/2023	BOD	11	20	mg/L
Published	19/09/2023	Suspended Solids	24	30	mg/L
		pH	8	-	-
		Conductivity	627	-	µS/cm
		Faecal Coliforms	~144	-	cfu/100ml
		Nitrate + Nitrite	1.26	-	mg/L
		Nitrogen (ammonia)	1.37	-	mg/L
		Phosphorus (total)	4.78	-	mg/L
		Chlorophyll-a	9	-	-
		Total Kjeldhal Nitrogen	2.6	-	mg/L

		Quantity	Measurement	Limit	Units
Sampled	3/10/2023	Oil and Grease	<5	10	mg/L
Reported	16/10/2023	BOD	<2	20	mg/L
Published	18/10/2023	Suspended Solids	17	30	mg/L
		pH	8	-	-
		Conductivity	677	-	µS/cm
		Faecal Coliforms	~170	-	cfu/100ml



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	Nitrate + Nitrite	1.05	-	mg/L
	Nitrogen (ammonia)	1.51	-	mg/L
	Phosphorus (total)	6.3	-	mg/L
	Chlorophyll-a	7	-	
	Total Kjeldhal Nitrogen	4.2	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	15/11/2023	Oil and Grease	<5	10	mg/L
Reported	23/11/2023	BOD	3	20	mg/L
Published	27/11/2023	Suspended Solids	17	30	mg/L
		pH	8	-	-
		Conductivity	642	-	µS/cm
		Faecal Coliforms	470	-	cfu/100ml
		Nitrate + Nitrite	1.36	-	mg/L
		Nitrogen (ammonia)	1.14	-	mg/L
		Phosphorus (total)	7.49	-	mg/L
		Chlorophyll-a	23	-	
		Total Kjeldhal Nitrogen	3	-	mg/L