



# Inverell Sewage Treatment Plant

<b>Sampling Point: Discharge Point</b>	<b>EPL No. 718</b>
<b>Licence Period 1 December 2020 to 30 November 2021</b>	<b>Licensee: Inverell Shire Council</b>
<a href="https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=718&amp;id=718&amp;option=licence&amp;searchrange=licence&amp;range=POEO">https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=718&amp;id=718&amp;option=licence&amp;searchrange=licence&amp;range=POEO</a>	<b>144 Otho Street, Inverell</b>
	<b>Monitoring Frequency - Monthly</b>

		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	1/12/2020	Oil and Grease	<5	10	mg/L
Reported	14/12/2020	pH	8	6.5-8.5	-
Published	15/12/2020	BOD	3	20	mg/L
		Suspended Solids	16	30	mg/L
		Conductivity	619	-	µS/cm
		Faecal Coliforms	~90	-	cfu/100ml
		Nitrate + Nitrite	0.87	-	mg/L
		Nitrogen (ammonia)	1.39	-	mg/L
		Phosphorus (total)	6.33	-	mg/L
		Total Kjeldhal Nitrogen	2.63	-	mg/L

		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	5/01/2021	Oil and Grease	<5	10	mg/L
Reported	14/01/2021	pH	8	6.5-8.5	-
Published	28/01/2021	BOD	6	20	mg/L
		Suspended Solids	16	30	mg/L
		Conductivity	568	-	µS/cm
		Faecal Coliforms	240	-	cfu/100ml
		Nitrate + Nitrite	1.21	-	mg/L
		Nitrogen (ammonia)	0.86	-	mg/L
		Phosphorus (total)	3.1	-	mg/L
		Total Kjeldhal Nitrogen	2.19	-	mg/L

		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	2/02/2021	Oil and Grease	<5	10	mg/L
Reported	9/02/2021	pH	6.8	6.5-8.5	-
Published	15/02/2021	BOD	6	20	mg/L
		Suspended Solids	16	30	mg/L
		Conductivity	687	-	µS/cm
		Faecal Coliforms	6600	-	cfu/100ml
		Nitrate + Nitrite	0.9	-	mg/L
		Nitrogen (ammonia)	0.42	-	mg/L
		Phosphorus (total)	4.18	-	mg/L
		Total Kjeldhal Nitrogen	2.1	-	mg/L

		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	2/03/2021	Oil and Grease	<5	10	mg/L
Reported	15/03/2021	pH	8	6.5-8.5	-
Published	17/03/2021	BOD	6	20	mg/L
		Suspended Solids	12	30	mg/L
		Conductivity	574	-	µS/cm
		Faecal Coliforms	70,000	-	cfu/100ml
		Nitrate + Nitrite	1.93	-	mg/L
		Nitrogen (ammonia)	1.58	-	mg/L
		Phosphorus (total)	5.49	-	mg/L



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	<b>Monitoring Frequency - Monthly</b>

	Quantity	Measurement	Limit	Units
	Total Kjeldhal Nitrogen	2.67	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	13/04/2021	Oil and Grease	<5	10	mg/L
Reported	24/04/2021	pH	8.1	6.5-8.5	-
Published	27/04/2021	BOD	4	20	mg/L
		Suspended Solids	11	30	mg/L
		Conductivity	594	-	µS/cm
		Faecal Coliforms	7200	-	cfu/100ml
		Nitrate + Nitrite	2.81	-	mg/L
		Nitrogen (ammonia)	0.48	-	mg/L
		Phosphorus (total)	3.93	-	mg/L
		Total Kjeldhal Nitrogen	1.79	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	11/05/2021	Oil and Grease	<5	10	mg/L
Reported	20/05/2021	pH	7.9	6.5-8.5	-
Published	25/05/2021	BOD	3	20	mg/L
		Suspended Solids	6	30	mg/L
		Conductivity	595	-	µS/cm
		Faecal Coliforms	2,600	-	cfu/100ml
		Nitrate + Nitrite	2.1	-	mg/L
		Nitrogen (ammonia)	0.71	-	mg/L
		Phosphorus (total)	4.89	-	mg/L
		Total Kjeldhal Nitrogen	2.2	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	1/06/2021	Oil and Grease	<5	10	mg/L
Reported	9/06/2021	pH	8.1	6.5-8.5	-
Published		BOD	2	20	mg/L
		Suspended Solids	2	30	mg/L
		Conductivity	607	-	µS/cm
		Faecal Coliforms	58	-	cfu/100ml
		Nitrate + Nitrite	2.09	-	mg/L
		Nitrogen (ammonia)	0.58	-	mg/L
		Phosphorus (total)	4.93	-	mg/L
		Total Kjeldhal Nitrogen	1.71	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	6/07/2021	Oil and Grease	<5	10	mg/L
Reported	14/07/2021	pH	7.9	6.5-8.5	-
Published	22/07/2021	BOD	3	20	mg/L
		Suspended Solids	6	30	mg/L
		Conductivity	525	-	µS/cm
		Faecal Coliforms	82	-	cfu/100ml
		Nitrate + Nitrite	2.76	-	mg/L



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	<b>Monitoring Frequency - Monthly</b>

	Quantity	Measurement	Limit	Units
	Nitrogen (ammonia)	0.72	-	mg/L
	Phosphorus (total)	4.2	-	mg/L
	Total Kjeldhal Nitrogen	2.14	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	3/08/2021	Oil and Grease	<5	10	mg/L
Reported	11/08/2021	pH	8.3	6.5-8.5	-
Published	26/08/2021	BOD	5	20	mg/L
		Suspended Solids	6	30	mg/L
		Conductivity	665	-	µS/cm
		Faecal Coliforms	~16	-	cfu/100ml
		Nitrate + Nitrite	2.73	-	mg/L
		Nitrogen (ammonia)	0.44	-	mg/L
		Phosphorus (total)	3.69	-	mg/L
		Total Kjeldhal Nitrogen	1.87	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	7/09/2021	Oil and Grease	<5	10	mg/L
Reported	20/09/2021	pH	8.3	6.5-8.5	-
Published	27/09/2021	BOD	10	20	mg/L
		Suspended Solids	7	30	mg/L
		Conductivity	612	-	µS/cm
		Faecal Coliforms	72	-	cfu/100ml
		Nitrate + Nitrite	1.8	-	mg/L
		Nitrogen (ammonia)	0.5	-	mg/L
		Phosphorus (total)	3.01	-	mg/L
		Total Kjeldhal Nitrogen	1.4	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	5/10/2021	Oil and Grease	<5	10	mg/L
Reported	13/10/2021	pH	8.3	6.5-8.5	-
Published	25/10/2021	BOD	9	20	mg/L
		Suspended Solids	26	30	mg/L
		Conductivity	645	-	µS/cm
		Faecal Coliforms	250	-	cfu/100ml
		Nitrate + Nitrite	1.34	-	mg/L
		Nitrogen (ammonia)	0.58	-	mg/L
		Phosphorus (total)	3.76	-	mg/L
		Total Kjeldhal Nitrogen	2.06	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	9/11/2021	Oil and Grease	0	10	mg/L
Reported	17/11/2021	pH	8.0	6.5-8.5	-
Published	29/11/2021	BOD	6	20	mg/L
		Suspended Solids	20	30	mg/L
		Conductivity	650	-	µS/cm



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**144 Otho Street, Inverell**

**Monitoring Frequency - Monthly**

	<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
	Faecal Coliforms	~150	-	cfu/100ml
	Nitrate + Nitrite	0.6	-	mg/L
	Nitrogen (ammonia)	1.98	-	mg/L
	Phosphorus (total)	5.95	-	mg/L
	Total Kjeldhal Nitrogen	3.6	-	mg/L