



# Inverell Sewage Treatment Plant

<b>Sampling Point: Discharge Point</b>	<b>EPL No. 718</b>
<b>Licence Period 1 December 2017 to 30 November 2018</b>	<b>Licensee: Inverell Shire Council</b>
<a href="http://www.environment.nsw.gov.au/prpoeoapp/Detail.aspx?instid=718&amp;id=718&amp;option=licence&amp;searchrange=licence&amp;range=POEO licence&amp;prp=no&amp;status=Issued">http://www.environment.nsw.gov.au/prpoeoapp/Detail.aspx?instid=718&amp;id=718&amp;option=licence&amp;searchrange=licence&amp;range=POEO licence&amp;prp=no&amp;status=Issued</a>	<b>144 Otho Street, Inverell</b>
	<b>Monitoring Frequency - Monthly</b>

		Quantity	Measurement	Limit	Units
Sampled	05.12.2017	Oil and Grease	<2	10	mg/L
Reported	19.12.2017	pH	7.9	6.5-8.5	-
Published	22.12.2017	BOD	7	20	mg/L
		Suspended Soilds	18	30	mg/L
		Conductivity	662	-	µS/cm
		Faecal Coliforms	111	-	cfu/100ml
		Nitrate + Nitrite	0.73	-	mg/L
		Nitrogen (ammonia)	2	-	mg/L
		Phosphorus (total)	5.2	-	mg/L
		Total Kjeldhal Nitrogen	3.27	-	mg/L

		Quantity	Measurement	Limit	Units
Sampled	09.01.2018	Oil and Grease		10	mg/L
Reported	22.01.2018	pH	<2	6.5-8.5	-
Published	30.01.2018	BOD	3	20	mg/L
		Suspended Soilds	7	30	mg/L
		Conductivity	667	-	µS/cm
		Faecal Coliforms	48	-	cfu/100ml
		Nitrate + Nitrite	0.62	-	mg/L
		Nitrogen (ammonia)	1.2	-	mg/L
		Phosphorus (total)	4.8	-	mg/L
		Total Kjeldhal Nitrogen	2.48	-	mg/L

		Quantity	Measurement	Limit	Units
Sampled	06.02.2018	Oil and Grease	<2	10	mg/L
Reported	14.02.2018	pH	7.9	6.5-8.5	-
Published	19.02.2018	BOD	3	20	mg/L
		Suspended Soilds	19	30	mg/L
		Conductivity	695	-	µS/cm
		Faecal Coliforms	111	-	cfu/100ml
		Nitrate + Nitrite	0.54	-	mg/L
		Nitrogen (ammonia)	1.4	-	mg/L
		Phosphorus (total)	6.7	-	mg/L
		Total Kjeldhal Nitrogen	2.96	-	mg/L

		Quantity	Measurement	Limit	Units
Sampled	06.03.2018	Oil and Grease	<2	10	mg/L
Reported	15.03.2018	pH	8	6.5-8.5	-
Published	21.03.2018	BOD	4	20	mg/L
		Suspended Soilds	24	30	mg/L
		Conductivity	647	-	µS/cm
		Faecal Coliforms	15380	-	cfu/100ml
		Nitrate + Nitrite	1.27	-	mg/L
		Nitrogen (ammonia)	1.7	-	mg/L
		Phosphorus (total)	6.1	-	mg/L



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	<b>Monitoring Frequency - Monthly</b>

		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
		Total Kjeldhal Nitrogen	3.13	-	mg/L
		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	10.04.2018	Oil and Grease	<2	10	mg/L
Reported	20.04.2018	pH	8.1	6.5-8.5	-
Published	24.04.2018	BOD	4	20	mg/L
		Suspended Soilds	28	30	mg/L
		Conductivity	674	-	µS/cm
		Faecal Coliforms	>241,960	-	cfu/100ml
		Nitrate + Nitrite	1.33	-	mg/L
		Nitrogen (ammonia)	1.9	-	mg/L
		Phosphorus (total)	5.1	-	mg/L
		Total Kjeldhal Nitrogen	3.57	-	mg/L
		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	01.05.2018	Oil and Grease	<2	10	mg/L
Reported	10.05.2018	pH	8.1	6.5-8.5	-
Published	17.05.2018	BOD	6	20	mg/L
		Suspended Soilds	21	30	mg/L
		Conductivity	655	-	µS/cm
		Faecal Coliforms	3,635	-	cfu/100ml
		Nitrate + Nitrite	1.52	-	mg/L
		Nitrogen (ammonia)	2	-	mg/L
		Phosphorus (total)	4.8	-	mg/L
		Total Kjeldhal Nitrogen	3.38	-	mg/L
		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	05.06.2018	Oil and Grease	<2	10	mg/L
Reported	21.06.2018	pH	8.1	6.5-8.5	-
Published	22.06.2018	BOD	4	20	mg/L
		Suspended Soilds	15	30	mg/L
		Conductivity	643	-	µS/cm
		Faecal Coliforms	1515	-	cfu/100ml
		Nitrate + Nitrite	2.3	-	mg/L
		Nitrogen (ammonia)	0.2	-	mg/L
		Phosphorus (total)	5.3	-	mg/L
		Total Kjeldhal Nitrogen	2.2	-	mg/L
		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	03.07.2018	Oil and Grease	<2	10	mg/L
Reported	13.07.2018	pH	8	6.5-8.5	-
Published	23.07.2018	BOD	4	20	mg/L
		Suspended Soilds	9	30	mg/L
		Conductivity	640	-	µS/cm
		Faecal Coliforms	1725	-	cfu/100ml
		Nitrate + Nitrite	2.6	-	mg/L



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	Quantity	Measurement	Limit	Units
	Nitrogen (ammonia)	0.17	-	mg/L
	Phosphorus (total)	5.4	-	mg/L
	Total Kjeldhal Nitrogen	1.2	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	07.08.2018	Oil and Grease	<2	10	mg/L
Reported	20.08.2018	pH	8.3	6.5-8.5	-
Published	21.08.2018	BOD	6	20	mg/L
		Suspended Solids	17	30	mg/L
		Conductivity	639	-	µS/cm
		Faecal Coliforms	687	-	cfu/100ml
		Nitrate + Nitrite	1.72	-	mg/L
		Nitrogen (ammonia)	0.63	-	mg/L
		Phosphorus (total)	4.7	-	mg/L
		Total Kjeldhal Nitrogen	1.68	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	04.09.2018	Oil and Grease	<2	10	mg/L
Reported	14.09.2018	pH	8.2	6.5-8.5	-
Published	18.09.2018	BOD	17	20	mg/L
		Suspended Solids	27	30	mg/L
		Conductivity	613	-	µS/cm
		Faecal Coliforms	866	-	cfu/100ml
		Nitrate + Nitrite	1.14	-	mg/L
		Nitrogen (ammonia)	8.2	-	mg/L
		Phosphorus (total)	4.5	-	mg/L
		Total Kjeldhal Nitrogen	11.86	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	09.10.2018	Oil and Grease	<2	10	mg/L
Reported	19.10.2018	pH	7.6	6.5-8.5	-
Published	22.10.2018	BOD	7	20	mg/L
		Suspended Solids	11	30	mg/L
		Conductivity	699	-	µS/cm
		Faecal Coliforms	236	-	cfu/100ml
		Nitrate + Nitrite	1.05	-	mg/L
		Nitrogen (ammonia)	7.5	-	mg/L
		Phosphorus (total)	6.3	-	mg/L
		Total Kjeldhal Nitrogen	8.95	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	13.11.2018	Oil and Grease	<2	10	mg/L
Reported	23.11.2018	pH	7.8	6.5-8.5	-
Published	27.11.2018	BOD	4	20	mg/L
		Suspended Solids	21	30	mg/L
		Conductivity	692	-	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	1553	-	cfu/100ml
	Nitrate + Nitrite	1.14	-	mg/L
	Nitrogen (ammonia)	2.8	-	mg/L
	Phosphorus (total)	6.4	-	mg/L
	Total Kjeldhal Nitrogen	4.16	-	mg/L