



# Inverell Sewage Treatment Plant

<b>Sampling Point: Discharge Point</b>	<b>EPL No. 718</b>
<b>Licence Period 1 December 2018 to 30 November 2019</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>

		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	4/12/2018	Oil and Grease	<2	10	mg/L
Reported	21/12/2018	pH	7.8	6.5-8.5	-
Published	24/12/2018	BOD	11	20	mg/L
		Suspended Soilds	29	30	mg/L
		Conductivity	631	-	µS/cm
		Faecal Coliforms	6867	-	cfu/100ml
		Nitrate + Nitrite	2.06	-	mg/L
		Nitrogen (ammonia)	1.4	-	mg/L
		Phosphorus (total)	5.6	-	mg/L
		Total Kjeldhal Nitrogen	2.54	-	mg/L

		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	8/01/2019	Oil and Grease	<2	10	mg/L
Reported	22/01/2019	pH	8	6.5-8.5	-
Published	29/01/2019	BOD	3	20	mg/L
		Suspended Soilds	47	30	mg/L
		Conductivity	679	-	µS/cm
		Faecal Coliforms	37	-	cfu/100ml
		Nitrate + Nitrite	0.59	-	mg/L
		Nitrogen (ammonia)	0.75	-	mg/L
		Phosphorus (total)	5.2	-	mg/L
		Total Kjeldhal Nitrogen	2.31	-	mg/L

		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	5/02/2019	Oil and Grease	<2	10	mg/L
Reported	15/02/2019	pH	9.2	6.5-8.5	-
Published	21/02/2019	BOD	6	20	mg/L
		Suspended Soilds	31	30	mg/L
		Conductivity	609	-	µS/cm
		Faecal Coliforms	13	-	cfu/100ml
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	0.07	-	mg/L
		Phosphorus (total)	3.2	-	mg/L
		Total Kjeldhal Nitrogen	2.2	-	mg/L

		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	6/03/2019	Oil and Grease	<2	10	mg/L
Reported	19/03/2019	pH	9.5	6.5-8.5	-
Published	19/03/2019	BOD	6	20	mg/L
		Suspended Soilds	38	30	mg/L
		Conductivity	615	-	µS/cm
		Faecal Coliforms	4	-	cfu/100ml
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	<0.01	-	mg/L
		Phosphorus (total)	2.4	-	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	2.4	-	mg/L

	<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	2/04/2019	Oil and Grease	<2	10 mg/L
Reported	2/05/2019	pH	8.6	6.5-8.5 -
Published	6/05/2019	BOD	4	20 mg/L
		Suspended Solids	20	30 mg/L
		Conductivity	597	- μS/cm
		Faecal Coliforms	35	- cfu/100ml
		Nitrate + Nitrite	1.22	- mg/L
		Nitrogen (ammonia)	0.23	- mg/L
		Phosphorus (total)	6.9	- mg/L
		Total Kjeldhal Nitrogen	2.18	- mg/L

	<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	7/05/2019	Oil and Grease	<2	10 mg/L
Reported	20/05/2019	pH	7.8	6.5-8.5 -
Published	20/05/2019	BOD	3	20 mg/L
		Suspended Solids	26	30 mg/L
		Conductivity	604	- μS/cm
		Faecal Coliforms	131	- cfu/100ml
		Nitrate + Nitrite	0.91	- mg/L
		Nitrogen (ammonia)	1.4	- mg/L
		Phosphorus (total)	6	- mg/L
		Total Kjeldhal Nitrogen	2.99	- mg/L

	<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	4/06/2019	Oil and Grease	<2	10 mg/L
Reported	17/06/2019	pH	7.9	6.5-8.5 -
Published	18/06/2019	BOD	2	20 mg/L
		Suspended Solids	8	30 mg/L
		Conductivity	586	- μS/cm
		Faecal Coliforms	387	- cfu/100ml
		Nitrate + Nitrite	2.11	- mg/L
		Nitrogen (ammonia)	1.1	- mg/L
		Phosphorus (total)	5.1	- mg/L
		Total Kjeldhal Nitrogen	2.59	- mg/L

	<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	2/07/2019	Oil and Grease	<5	10 mg/L
Reported	10/07/2019	pH	8.1	6.5-8.5 -
Published	12/07/2019	BOD	9	20 mg/L
		Suspended Solids	3	30 mg/L
		Conductivity	575	- μS/cm
		Faecal Coliforms	220	- cfu/100ml
		Nitrate + Nitrite	2.6	- mg/L



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	<b>Monitoring Frequency - Monthly</b>

	Quantity	Measurement	Limit	Units
	Nitrogen (ammonia)	3.4	-	mg/L
	Phosphorus (total)	5.26	-	mg/L
	Total Kjeldhal Nitrogen	0.8	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	6/08/2019	Oil and Grease	<5	10	mg/L
Reported	15/08/2019	pH	8	6.5-8.5	-
Published	20/08/2019	BOD	2	20	mg/L
		Suspended Soilds	9	30	mg/L
		Conductivity	584	-	µS/cm
		Faecal Coliforms	200	-	cfu/100ml
		Nitrate + Nitrite	2.18	-	mg/L
		Nitrogen (ammonia)	0.9	-	mg/L
		Phosphorus (total)	5.28	-	mg/L
		Total Kjeldhal Nitrogen	2.02	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	3/09/2019	Oil and Grease	<5	10	mg/L
Reported	17/09/2019	pH	8.1	6.5-8.5	-
Published	19/09/2019	BOD	3	20	mg/L
		Suspended Soilds	18	30	mg/L
		Conductivity	620	-	µS/cm
		Faecal Coliforms	270	-	cfu/100ml
		Nitrate + Nitrite	1.44	-	mg/L
		Nitrogen (ammonia)	0.8	-	mg/L
		Phosphorus (total)	5.59	-	mg/L
		Total Kjeldhal Nitrogen	2.36	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	1/10/2019	Oil and Grease	<5	10	mg/L
Reported	14/10/2019	pH	8	6.5-8.5	-
Published	15/10/2019	BOD	6	20	mg/L
		Suspended Soilds	25	30	mg/L
		Conductivity	652	-	µS/cm
		Faecal Coliforms	92	-	cfu/100ml
		Nitrate + Nitrite	1.62	-	mg/L
		Nitrogen (ammonia)	1.6	-	mg/L
		Phosphorus (total)	5.91	-	mg/L
		Total Kjeldhal Nitrogen	2.98	-	mg/L

	Quantity	Measurement	Limit	Units	
Sampled	12/11/2019	Oil and Grease	<5	10	mg/L
Reported	25/11/2019	pH	8.5	6.5-8.5	-
Published	26/11/2019	BOD	4	20	mg/L
		Suspended Soilds	28	30	mg/L
		Conductivity	674	-	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	92	-	cfu/100ml
	Nitrate + Nitrite	0.6	-	mg/L
	Nitrogen (ammonia)	0.4	-	mg/L
	Phosphorus (total)	5.23	-	mg/L
	Total Kjeldhal Nitrogen	2.5	-	mg/L