



# Ashford Sewage Treatment Plant

**Sampling Point: Discharge Point**

**EPL No. 580**

**Licence Period 1 November 2017 to 31 October 2018**

**Licensee: Inverell Shire Council**

<http://www.environment.nsw.gov.au/prpoeoapp/Detail.aspx?instid=580&id=580&option=licence&searchrange=licence&range=POEO licence&prp=no&status=Issued>

**144 Otho Street, Inverell**

**Monitoring Frequency - Monthly**

		Quantity	Measurement	Limit	Units		
Sampled	14.11.2017	Oil and Grease	<2	10	mg/L		
Reported	22.11.2017	pH	8.4	6.5-8.5	-		
Published	29.11.2017	BOD	5	20	mg/L		
		Suspended Solids	17	30	mg/L		
		Conductivity	923	-	µS/cm		
		Faecal Coliforms	178	-	cfu/100ml		
		Nitrate + Nitrite	<0.06	-	mg/L		
		Nitrogen (ammonia)	<0.01	-	mg/L		
		Phosphorus (total)	7.2	-	mg/L		
		Total Kjeldhal Nitrogen	1.8	-	mg/L		
		Chlorophyll 'a'	48	-	µg/L		
				Quantity	Measurement	Limit	Units
		Sampled	05.12.2017	Oil and Grease	<2	10	mg/L
Reported	19.12.2017	pH	8.8	6.5-8.5	-		
Published	22.12.2017	BOD	6	20	mg/L		
		Suspended Solids	25	30	mg/L		
		Conductivity	981	-	µS/cm		
		Faecal Coliforms	135	-	cfu/100ml		
		Nitrate + Nitrite	<0.06	-	mg/L		
		Nitrogen (ammonia)	<0.01	-	mg/L		
		Phosphorus (total)	6.3	-	mg/L		
		Total Kjeldhal Nitrogen	2.2	-	mg/L		
		Chlorophyll 'a'	40	-	µg/L		
				Quantity	Measurement	Limit	Units
		Sampled	09.01.2018	Oil and Grease	<2	10	mg/L
Reported	22.01.2018	pH	9	6.5-8.5	-		
Published	30.01.2018	BOD	12	20	mg/L		
		Suspended Solids	41	30	mg/L		
		Conductivity	1040	-	µS/cm		
		Faecal Coliforms	1	-	cfu/100ml		
		Nitrate + Nitrite	<0.06	-	mg/L		
		Nitrogen (ammonia)	0.09	-	mg/L		
		Phosphorus (total)	4.2	-	mg/L		
		Total Kjeldhal Nitrogen	3.6	-	mg/L		
		Chlorophyll 'a'	206	-	µg/L		
				Quantity	Measurement	Limit	Units
		Sampled	06.02.2018	Oil and Grease	<2	10	mg/L
Reported	14.02.2018	pH	9.5	6.5-8.5	-		
Published	19.02.2018	BOD	13	20	mg/L		
		Suspended Solids	41	30	mg/L		
		Conductivity	1040	-	µS/cm		
		Faecal Coliforms	11	-	cfu/100ml		



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		Quantity	Measurement	Limit	Units
		Nitrate + Nitrite	0.1	-	mg/L
		Nitrogen (ammonia)	<0.01	-	mg/L
		Phosphorus (total)	2.9	-	mg/L
		Total Kjeldhal Nitrogen	4.7	-	mg/L
		Chlorophyll 'a'	199	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	06.03.2018	Oil and Grease	2	10	mg/L
Reported	15.03.2018	pH	9.2	6.5-8.5	-
Published	20.03.2018	BOD	9	20	mg/L
		Suspended Solids	58	30	mg/L
		Conductivity	980	-	µS/cm
		Faecal Coliforms	40	-	cfu/100ml
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	<0.01	-	mg/L
		Phosphorus (total)	3	-	mg/L
		Total Kjeldhal Nitrogen	4.6	-	mg/L
		Chlorophyll 'a'	263	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	10.04.2018	Oil and Grease	<2	10	mg/L
Reported	20.04.2018	pH	9.1	6.5-8.5	-
Published	24.04.2018	BOD	15	20	mg/L
		Suspended Solids	56	30	mg/L
		Conductivity	916	-	µS/cm
		Faecal Coliforms	13	-	cfu/100ml
		Nitrate + Nitrite	0.02	-	mg/L
		Nitrogen (ammonia)	<0.01	-	mg/L
		Phosphorus (total)	5.1	-	mg/L
		Total Kjeldhal Nitrogen	4.28	-	mg/L
		Chlorophyll 'a'	159	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	01.05.2018	Oil and Grease	<2	10	mg/L
Reported	10.05.2018	pH	8.7	6.5-8.5	-
Published	17.05.2018	BOD	11	20	mg/L
		Suspended Solids	39	30	mg/L
		Conductivity	887	-	µS/cm
		Faecal Coliforms	31	-	cfu/100ml
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	<0.01	-	mg/L
		Phosphorus (total)	6.3	-	mg/L
		Total Kjeldhal Nitrogen	3.4	-	mg/L
		Chlorophyll 'a'	171	-	µg/L
		Quantity	Measurement	Limit	Units



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**144 Otho Street, Inverell**

**Monitoring Frequency - Monthly**

		Quantity	Measurement	Limit	Units
Sampled	05.06.2018	Oil and Grease	2	10	mg/L
Reported	21.06.2018	pH	7.8	6.5-8.5	-
Published	22.06.2018	BOD	5	20	mg/L
		Suspended Soilds	11	30	mg/L
		Conductivity	815	-	µS/cm
		Faecal Coliforms	44	-	cfu/100ml
		Nitrate + Nitrite	0.1	-	mg/L
		Nitrogen (ammonia)	1.6	-	mg/L
		Phosphorus (total)	7	-	mg/L
		Total Kjeldhal Nitrogen	3.6	-	mg/L
		Chlorophyll 'a'	12	-	µg/L
				Quantity	Measurement
Sampled	03.07.2018	Oil and Grease	<2	10	mg/L
Reported	13.07.2018	pH	7.9	6.5-8.5	-
Published	23.07.2018	BOD	6	20	mg/L
		Suspended Soilds	16	30	mg/L
		Conductivity	746	-	µS/cm
		Faecal Coliforms	131	-	cfu/100ml
		Nitrate + Nitrite	0.58	-	mg/L
		Nitrogen (ammonia)	1.5	-	mg/L
		Phosphorus (total)	5.9	-	mg/L
		Total Kjeldhal Nitrogen	3.72	-	mg/L
		Chlorophyll 'a'	72	-	µg/L
				Quantity	Measurement
Sampled	07.08.2018	Oil and Grease	<2	10	mg/L
Reported	20.08.2018	pH	8.2	6.5-8.5	-
Published	21.08.2018	BOD	2	20	mg/L
		Suspended Soilds	3	30	mg/L
		Conductivity	652	-	µS/cm
		Faecal Coliforms	20	-	cfu/100ml
		Nitrate + Nitrite	0.14	-	mg/L
		Nitrogen (ammonia)	0.48	-	mg/L
		Phosphorus (total)	5.9	-	mg/L
		Total Kjeldhal Nitrogen	2.06	-	mg/L
		Chlorophyll 'a'	<2	-	µg/L
				Quantity	Measurement
Sampled	04.09.2018	Oil and Grease	<2	10	mg/L
Reported	14.09.2018	pH	7.8	6.5-8.5	-
Published	18.09.2018	BOD	2	20	mg/L
		Suspended Soilds	2	30	mg/L
		Conductivity	575	-	µS/cm
		Faecal Coliforms	46	-	cfu/100ml



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		<b>Monitoring Frequency - Monthly</b>			
		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
		Nitrate + Nitrite	0.33	-	mg/L
		Nitrogen (ammonia)	0.77	-	mg/L
		Phosphorus (total)	6	-	mg/L
		Total Kjeldhal Nitrogen	2.17	-	mg/L
		Chlorophyll 'a'	4	-	µg/L
		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	09.10.2018	Oil and Grease	<2	10	mg/L
Reported	19.10.2018	pH	7.5	6.5-8.5	-
Published	22.10.2018	BOD	7	20	mg/L
		Suspended Solids	23	30	mg/L
		Conductivity	647	-	µS/cm
		Faecal Coliforms	17	-	cfu/100ml
		Nitrate + Nitrite	0.16	-	mg/L
		Nitrogen (ammonia)	0.93	-	mg/L
		Phosphorus (total)	8.7	-	mg/L
		Total Kjeldhal Nitrogen	3.04	-	mg/L
		Chlorophyll 'a'	19	-	µg/L