



# Delungra Sewage Treatment Plant

**Sampling Point: Discharge Point**

**EPL No. 4114**

**Licence Period 15 October 2021 to 14 October 2022**

**Licensee: Inverell Shire Council**

<http://www.environment.nsw.gov.au/prpoeoapp/Detail.aspx?instid=4114&id=4114&option=licence&searchchange=licence&range=POEO licence&prp=no&status=Issued>

**144 Otho Street, Inverell**

**Monitoring Frequency - Monthly**

		Quantity	Measurement	Limit	Units
Sampled	9/11/2021	Oil and Grease	<5	10	mg/L
Reported	17/11/2021	pH	7.7	6.5-8.5	-
Published	29/11/2021	BOD	10	20	mg/L
		Suspended Soilds	19	30	mg/L
		Conductivity	627	-	µS/cm
		Faecal Coliforms	4500	-	cfu/100ml
		Nitrate + Nitrite	0.25	-	mg/L
		Nitrogen (ammonia)	7.86	-	mg/L
		Phosphorus (total)	5.14	-	mg/L
		Total Kjeldhal Nitrogen	10.55	-	mg/L
		Chlorophyll 'a'	19	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	7/12/2021	Oil and Grease	<5	10	mg/L
Reported	16/12/2021	pH	7.7	6.5-8.5	-
Published	20/12/2021	BOD	7	20	mg/L
		Suspended Soilds	7	30	mg/L
		Conductivity	448	-	µS/cm
		Faecal Coliforms	3700	-	cfu/100ml
		Nitrate + Nitrite	0.07	-	mg/L
		Nitrogen (ammonia)	5.33	-	mg/L
		Phosphorus (total)	5.4	-	mg/L
		Total Kjeldhal Nitrogen	8.13	-	mg/L
		Chlorophyll 'a'	20	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	11/01/2022	Oil and Grease	<5	10	mg/L
Reported	20/01/2022	pH	8.2	6.5-8.5	-
Published	9/02/2022	BOD	3	20	mg/L
		Suspended Soilds	3	30	mg/L
		Conductivity	792	-	µS/cm
		Faecal Coliforms	<1	-	cfu/100ml
		Nitrate + Nitrite	0.35	-	mg/L
		Nitrogen (ammonia)	0.42	-	mg/L
		Phosphorus (total)	0.14	-	mg/L
		Total Kjeldhal Nitrogen	1.25	-	mg/L
		Chlorophyll 'a'	16	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	1/02/2022	Oil and Grease	<5	10	mg/L
Reported	9/02/2022	pH	8.1	6.5-8.5	-
Published	10/02/2022	BOD	29	20	mg/L
		Suspended Soilds	3	30	mg/L
		Conductivity	803	-	µS/cm
		Faecal Coliforms	<2	-	cfu/100ml



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
		Nitrate + Nitrite	0.2	-	mg/L
		Nitrogen (ammonia)	1.03	-	mg/L
		Phosphorus (total)	0.83	-	mg/L
		Total Kjeldhal Nitrogen	1.5	-	mg/L
		Chlorophyll 'a'	20	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	1/03/2022	Oil and Grease	<5	10	mg/L
Reported	10/03/2022	pH	8.6	6.5-8.5	-
Published	11/03/2022	BOD	13	20	mg/L
		Suspended Solids	66	30	mg/L
		Conductivity	536	-	µS/cm
		Faecal Coliforms	~360	-	cfu/100ml
		Nitrate + Nitrite	<0.01	-	mg/L
		Nitrogen (ammonia)	0.02	-	mg/L
		Phosphorus (total)	5.3	-	mg/L
		Total Kjeldhal Nitrogen	5.6	-	mg/L
		Chlorophyll 'a'	452	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	12/04/2022	Oil and Grease	<5	10	mg/L
Reported	27/04/2022	pH	8.1	6.5-8.5	-
Published	3/05/2022	BOD	5	20	mg/L
		Suspended Solids	15	30	mg/L
		Conductivity	544	-	µS/cm
		Faecal Coliforms	~580	-	cfu/100ml
		Nitrate + Nitrite	0.06	-	mg/L
		Nitrogen (ammonia)	0.23	-	mg/L
		Phosphorus (total)	5.87	-	mg/L
		Total Kjeldhal Nitrogen	3.64	-	mg/L
		Chlorophyll 'a'	243	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	3/05/2022	Oil and Grease	<5	10	mg/L
Reported	12/05/2022	pH	8	6.5-8.5	-
Published	17/05/022	BOD	10	20	mg/L
		Suspended Solids	32	30	mg/L
		Conductivity	553	-	µS/cm
		Faecal Coliforms	1100	-	cfu/100ml
		Nitrate + Nitrite	0.16	-	mg/L
		Nitrogen (ammonia)	0.78	-	mg/L
		Phosphorus (total)	6.33	-	mg/L
		Total Kjeldhal Nitrogen	4.14	-	mg/L
		Chlorophyll 'a'	271	-	µg/L
		Quantity	Measurement	Limit	Units



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
Sampled	7/06/2022	Oil and Grease	<5	10	mg/L
Reported	16/06/2022	pH	7.8	6.5-8.5	-
Published	23/06/2022	BOD	<2	20	mg/L
		Suspended Solids	14	30	mg/L
		Conductivity	531	-	µS/cm
		Faecal Coliforms	118	-	cfu/100ml
		Nitrate + Nitrite	0.24	-	mg/L
		Nitrogen (ammonia)	5.8	-	mg/L
		Phosphorus (total)	4.79	-	mg/L
		Total Kjeldhal Nitrogen	5.56	-	mg/L
		Chlorophyll 'a'	14	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	6/07/2022	Oil and Grease	<5	10	mg/L
Reported	16/07/2022	pH	7.8	6.5-8.5	-
Published	19/07/2022	BOD	3	20	mg/L
		Suspended Solids	9	30	mg/L
		Conductivity	572	-	µS/cm
		Faecal Coliforms	~1200	-	cfu/100ml
		Nitrate + Nitrite	0.74	-	mg/L
		Nitrogen (ammonia)	2.9	-	mg/L
		Phosphorus (total)	3.05	-	mg/L
		Total Kjeldhal Nitrogen	4.16	-	mg/L
		Chlorophyll 'a'	12	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	2/08/2022	Oil and Grease	<5	10	mg/L
Reported	15/08/2022	pH	7.9	6.5-8.5	-
Published	16/08/2022	BOD	4	20	mg/L
		Suspended Solids	4	30	mg/L
		Conductivity	579	-	µS/cm
		Faecal Coliforms	260	-	cfu/100ml
		Nitrate + Nitrite	1.53	-	mg/L
		Nitrogen (ammonia)	0.3	-	mg/L
		Phosphorus (total)	1.4	-	mg/L
		Total Kjeldhal Nitrogen	1.57	-	mg/L
		Chlorophyll 'a'	5	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	7/09/2022	Oil and Grease	<5	10	mg/L
Reported	20/09/2022	pH	7.7	6.5-8.5	-
Published	29/09/2022	BOD	7	20	mg/L
		Suspended Solids	11	30	mg/L
		Conductivity	526	-	µS/cm
		Faecal Coliforms	~180	-	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	0.94	-	mg/L
		Nitrogen (ammonia)	3.2	-	mg/L
		Phosphorus (total)	1.77	-	mg/L
		Total Kjeldhal Nitrogen	2.26	-	mg/L
		Chlorophyll 'a'	6	-	µg/L
		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	20/10/2022	Oil and Grease	<5	10	mg/L
Reported	1/11/2022	pH	7.6	6.5-8.5	-
Published	11/11/2022	BOD	3	20	mg/L
		Suspended Solids	28	30	mg/L
		Conductivity	502	-	µS/cm
		Faecal Coliforms	~1370	-	cfu/100ml
		Nitrate + Nitrite	0.18	-	mg/L
		Nitrogen (ammonia)	5	-	mg/L
		Phosphorus (total)	4.2	-	mg/L
		Total Kjeldhal Nitrogen	6.82	-	mg/L
		Chlorophyll 'a'	13	-	µg/L