



# Delungra Sewage Treatment Plant

Sampling Point: Discharge Point		EPL No. 4114			
Licence Period 15 October 2022 to 14 October 2023		Licensee: Inverell Shire Council			
<a href="http://www.environment.nsw.gov.au/prpoeoapp/Detail.aspx?instid=4114&amp;id=4114&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=4114&amp;id=4114&amp;option=licence&amp;searchrange=licence&amp;range=POEO licence&amp;prp=no&amp;status=Issued</a>		144 Otho Street, Inverell			
		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
Sampled	24/11/2022	Oil and Grease	<5	10	mg/L
Reported	3/12/2022	pH	7.9	6.5-8.5	-
Published	14/12/2022	BOD	7	20	mg/L
		Suspended Soilds	12	30	mg/L
		Conductivity	737	-	µS/cm
		Faecal Coliforms	~30	-	cfu/100ml
		Nitrate + Nitrite	1.64	-	mg/L
		Nitrogen (ammonia)	0.53	-	mg/L
		Phosphorus (total)	1.11	-	mg/L
		Total Kjeldhal Nitrogen	1.86	-	mg/L
		Chlorophyll 'a'	23	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	06/12/2022	Oil and Grease	<5	10	mg/L
Reported	20/12/2022	pH	8.2	6.5-8.5	-
Published	23/12/2022	BOD	3	20	mg/L
		Suspended Soilds	<2	30	mg/L
		Conductivity	775	-	µS/cm
		Faecal Coliforms	<2	-	cfu/100ml
		Nitrate + Nitrite	0.61	-	mg/L
		Nitrogen (ammonia)	0.58	-	mg/L
		Phosphorus (total)	0.26	-	mg/L
		Total Kjeldhal Nitrogen	1.59	-	mg/L
		Chlorophyll 'a'	5	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	18/01/2023	Oil and Grease	<5	10	mg/L
Reported	10/03/2023	pH	7.8	6.5-8.5	-
Published	18/03/2023	BOD	24	20	mg/L
		Suspended Soilds	62	30	mg/L
		Conductivity	632	-	µS/cm
		Faecal Coliforms	96	-	cfu/100ml
		Nitrate + Nitrite	0.09	-	mg/L
		Nitrogen (ammonia)	2.65	-	mg/L
		Phosphorus (total)	4.37	-	mg/L
		Total Kjeldhal Nitrogen	9.21	-	mg/L
		Chlorophyll 'a'	611	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	8/02/2023	Oil and Grease	<5	10	mg/L
Reported	10/03/2023	pH	8.2	6.5-8.5	-
Published	18/03/2023	BOD	17	20	mg/L
		Suspended Soilds	246	30	mg/L
		Conductivity	618	-	µS/cm
		Faecal Coliforms	~60	-	cfu/100ml



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
		Nitrate + Nitrite	0.02	-	mg/L
		Nitrogen (ammonia)	0.4	-	mg/L
		Phosphorus (total)	3.59	-	mg/L
		Total Kjeldhal Nitrogen	6.28	-	mg/L
		Chlorophyll 'a'	434	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	8/03/2023	Oil and Grease	<5	10	mg/L
Reported	16/03/2023	pH	7.7	6.5-8.5	-
Published	27/03/2023	BOD	16	20	mg/L
		Suspended Solids	62	30	mg/L
		Conductivity	685	-	µS/cm
		Faecal Coliforms	~100	-	cfu/100ml
		Nitrate + Nitrite	<0.01	-	mg/L
		Nitrogen (ammonia)	0.8	-	mg/L
		Phosphorus (total)	2.69	-	mg/L
		Total Kjeldhal Nitrogen	6.9	-	mg/L
		Chlorophyll 'a'	541	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	4/04/2023	Oil and Grease	<5	10	mg/L
Reported	19/04/2023	pH	7.8	6.5-8.5	-
Published	21/04/2023	BOD	10	20	mg/L
		Suspended Solids	38	30	mg/L
		Conductivity	616	-	µS/cm
		Faecal Coliforms	260	-	cfu/100ml
		Nitrate + Nitrite	0.04	-	mg/L
		Nitrogen (ammonia)	0.92	-	mg/L
		Phosphorus (total)	2.25	-	mg/L
		Total Kjeldhal Nitrogen	5.66	-	mg/L
		Chlorophyll 'a'	424	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	2/05/2023	Oil and Grease	<5	10	mg/L
Reported	11/05/2023	pH	8.7	6.5-8.5	-
Published	19/05/2023	BOD	16	20	mg/L
		Suspended Solids	54	30	mg/L
		Conductivity	615	-	µS/cm
		Faecal Coliforms	~890	-	cfu/100ml
		Nitrate + Nitrite	0.01	-	mg/L
		Nitrogen (ammonia)	<0.1	-	mg/L
		Phosphorus (total)	3.48	-	mg/L
		Total Kjeldhal Nitrogen	5.39	-	mg/L
		Chlorophyll 'a'	382	-	µg/L
		Quantity	Measurement	Limit	Units



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
Sampled	6/06/2023	Oil and Grease	<5	10	mg/L
Reported	19/06/2023	pH	8	6.5-8.5	-
Published	21/06/2023	BOD	6	20	mg/L
		Suspended Solids	21	30	mg/L
		Conductivity	588	-	µS/cm
		Faecal Coliforms	270	-	cfu/100ml
		Nitrate + Nitrite	0.04	-	mg/L
		Nitrogen (ammonia)	0.9	-	mg/L
		Phosphorus (total)	1.98	-	mg/L
		Total Kjeldhal Nitrogen	3.56	-	mg/L
		Chlorophyll 'a'	92	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	5/07/2023	Oil and Grease	<5	10	mg/L
Reported	12/07/2023	pH	7.8	6.5-8.5	-
Published	17/07/2023	BOD	4	20	mg/L
		Suspended Solids	12	30	mg/L
		Conductivity	604	-	µS/cm
		Faecal Coliforms	250	-	cfu/100ml
		Nitrate + Nitrite	0.02	-	mg/L
		Nitrogen (ammonia)	5.94	-	mg/L
		Phosphorus (total)	3.57	-	mg/L
		Total Kjeldhal Nitrogen	6.88	-	mg/L
		Chlorophyll 'a'	22	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	2/08/2023	Oil and Grease	<5	10	mg/L
Reported	15/08/2023	pH	9.2	6.5-8.5	-
Published	18/08/2023	BOD	10	20	mg/L
		Suspended Solids	44	30	mg/L
		Conductivity	582	-	µS/cm
		Faecal Coliforms	580	-	cfu/100ml
		Nitrate + Nitrite	<0.01	-	mg/L
		Nitrogen (ammonia)	<0.10	-	mg/L
		Phosphorus (total)	3.26	-	mg/L
		Total Kjeldhal Nitrogen	5.2	-	mg/L
		Chlorophyll 'a'	265	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	6/09/2023	Oil and Grease	<5	10	mg/L
Reported	19/09/2023	pH	8.3	6.5-8.5	-
Published	19/09/2023	BOD	23	20	mg/L
		Suspended Solids	110	30	mg/L
		Conductivity	608	-	µS/cm
		Faecal Coliforms	~1030	-	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	0.83	-	mg/L
		Nitrogen (ammonia)	1.42	-	mg/L
		Phosphorus (total)	2.14	-	mg/L
		Total Kjeldhal Nitrogen	4.1	-	mg/L
		Chlorophyll 'a'	343	-	µg/L
		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	3/10/2023	Oil and Grease	<5	10	mg/L
Reported	16/10/2023	pH	9	6.5-8.5	-
Published	18/10/2023	BOD	<2	20	mg/L
		Suspended Solids	38	30	mg/L
		Conductivity	658	-	µS/cm
		Faecal Coliforms	~90	-	cfu/100ml
		Nitrate + Nitrite	0.2	-	mg/L
		Nitrogen (ammonia)	0.73	-	mg/L
		Phosphorus (total)	4.14	-	mg/L
		Total Kjeldhal Nitrogen	6.3	-	mg/L
		Chlorophyll 'a'	201	-	µg/L