



# Delungra Sewage Treatment Plant

**Sampling Point: Discharge Point**

**EPL No. 4114**

**Licence Period 15 October 2023 to 14 October 2024**

**Licensee: Inverell Shire Council**

**144 Otho Street, Inverell**

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

**Monitoring Frequency - Monthly**

		Quantity	Measurement	Limit	Units
Sampled	14/11/2023	Oil and Grease	<5	10	mg/L
Reported	23/11/2023	pH	10	6.5-8.5	-
Published	27/11/2023	BOD	15	20	mg/L
		Suspended Solids	100	30	mg/L
		Conductivity	643	-	µS/cm
		Faecal Coliforms	<10	-	cfu/100ml
		Nitrate + Nitrite	0.03	-	mg/L
		Nitrogen (ammonia)	<0.10	-	mg/L
		Phosphorus (total)	2.41	-	mg/L
		Total Kjeldhal Nitrogen	10.1	-	mg/L
		Chlorophyll 'a'	511	-	µg/L
				Quantity	Measurement
Sampled	5/12/2023	Oil and Grease	<5	10	mg/L
Reported	14/12/2023	pH	9.6	6.5-8.5	-
Published	18/12/2023	BOD	27	20	mg/L
		Suspended Solids	72	30	mg/L
		Conductivity	631	-	µS/cm
		Faecal Coliforms	58	-	cfu/100ml
		Nitrate + Nitrite	<.01	-	mg/L
		Nitrogen (ammonia)	<0.10	-	mg/L
		Phosphorus (total)	3.08	-	mg/L
		Total Kjeldhal Nitrogen	6.4	-	mg/L
		Chlorophyll 'a'	106	-	µg/L
				Quantity	Measurement
Sampled	10/01/2024	Oil and Grease	<5	10	mg/L
Reported	23/01/2024	pH	9.2	6.5-8.5	-
Published	24/01/2024	BOD	30	20	mg/L
		Suspended Solids	117	30	mg/L
		Conductivity	635	-	µS/cm
		Faecal Coliforms	~620	-	cfu/100ml
		Nitrate + Nitrite	<0.01	-	mg/L
		Nitrogen (ammonia)	<0.10	-	mg/L
		Phosphorus (total)	3.66	-	mg/L
		Total Kjeldhal Nitrogen	10.6	-	mg/L
		Chlorophyll 'a'	64	-	µg/L
				Quantity	Measurement
Sampled	6/02/2024	Oil and Grease	<5	10	mg/L
Reported	7/02/2024	pH	9	6.5-8.5	-
Published	16/02/2024	BOD	49	20	mg/L
		Suspended Solids	103	30	mg/L
		Conductivity	642	-	µS/cm



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		Quantity	Measurement	Limit	Units
		Faecal Coliforms	~100	-	cfu/100ml
		Nitrate + Nitrite	<0.01	-	mg/L
		Nitrogen (ammonia)	<0.10	-	mg/L
		Phosphorus (total)	2.93	-	mg/L
		Total Kjeldhal Nitrogen	9.3	-	mg/L
		Chlorophyll 'a'	339	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	5/03/2024	Oil and Grease	<5	10	mg/L
Reported	15/03/2024	pH	9.1	6.5-8.5	-
Published	19/03/2024	BOD	31	20	mg/L
		Suspended Solids	71	30	mg/L
		Conductivity	676	-	µS/cm
		Faecal Coliforms	290	-	cfu/100ml
		Nitrate + Nitrite	<0.01	-	mg/L
		Nitrogen (ammonia)	<0.10	-	mg/L
		Phosphorus (total)	2.89	-	mg/L
		Total Kjeldhal Nitrogen	6.6	-	mg/L
		Chlorophyll 'a'	203	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	2/04/2024	Oil and Grease	<5	10	mg/L
Reported	11/04/2024	pH	8.9	6.5-8.5	-
Published	12/04/2024	BOD	24	20	mg/L
		Suspended Solids	90	30	mg/L
		Conductivity	0.71	-	µS/cm
		Faecal Coliforms	220	-	cfu/100ml
		Nitrate + Nitrite	<0.01	-	mg/L
		Nitrogen (ammonia)	<0.10	-	mg/L
		Phosphorus (total)	3.74	-	mg/L
		Total Kjeldhal Nitrogen	7.5	-	mg/L
		Chlorophyll 'a'	411	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	7/05/2024	Oil and Grease	<5	10	mg/L
Reported	17/05/2024	pH	7.9	6.5-8.5	-
Published	20/05/2024	BOD	9	20	mg/L
		Suspended Solids	31	30	mg/L
		Conductivity	602	-	µS/cm
		Faecal Coliforms	220	-	cfu/100ml
		Nitrate + Nitrite	0.01	-	mg/L
		Nitrogen (ammonia)	<0.10	-	mg/L
		Phosphorus (total)	3.07	-	mg/L
		Total Kjeldhal Nitrogen	4	-	mg/L



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**Monitoring Frequency - Monthly**

		Quantity	Measurement	Limit	Units
		Chlorophyll 'a'	113	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	4/06/2024	Oil and Grease	<5	10	mg/L
Reported	18/06/2024	pH	7.8	6.5-8.5	-
Published	20/06/2024	BOD	8	20	mg/L
		Suspended Solids	24	30	mg/L
		Conductivity	586	-	µS/cm
		Faecal Coliforms	~660	-	cfu/100ml
		Nitrate + Nitrite	0.04	-	mg/L
		Nitrogen (ammonia)	1.2	-	mg/L
		Phosphorus (total)	1.92	-	mg/L
		Total Kjeldhal Nitrogen	4.4	-	mg/L
		Chlorophyll 'a'	141	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled		Oil and Grease		10	mg/L
Reported		pH		6.5-8.5	-
Published		BOD		20	mg/L
		Suspended Solids		30	mg/L
		Conductivity		-	µS/cm
		Faecal Coliforms		-	cfu/100ml
		Nitrate + Nitrite		-	mg/L
		Nitrogen (ammonia)		-	mg/L
		Phosphorus (total)		-	mg/L
		Total Kjeldhal Nitrogen		-	mg/L
		Chlorophyll 'a'		-	µg/L
		Quantity	Measurement	Limit	Units
Sampled		Oil and Grease		10	mg/L
Reported		pH		6.5-8.5	-
Published		BOD		20	mg/L
		Suspended Solids		30	mg/L
		Conductivity		-	µS/cm
		Faecal Coliforms		-	cfu/100ml
		Nitrate + Nitrite		-	mg/L
		Nitrogen (ammonia)		-	mg/L
		Phosphorus (total)		-	mg/L
		Total Kjeldhal Nitrogen		-	mg/L
		Chlorophyll 'a'		-	µg/L
		Quantity	Measurement	Limit	Units
Sampled		Oil and Grease		10	mg/L
Reported		pH		6.5-8.5	-
Published		BOD		20	mg/L



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	Quantity	Measurement	Limit	Units
	Suspended Solids		30	mg/L
	Conductivity		-	µS/cm
	Faecal Coliforms		-	cfu/100ml
	Nitrate + Nitrite		-	mg/L
	Nitrogen (ammonia)		-	mg/L
	Phosphorus (total)		-	mg/L
	Total Kjeldhal Nitrogen		-	mg/L
	Chlorophyll 'a'		-	µg/L
	Quantity	Measurement	Limit	Units
Sampled	Oil and Grease		10	mg/L
Reported	pH		6.5-8.5	-
Published	BOD		20	mg/L
	Suspended Solids		30	mg/L
	Conductivity		-	µS/cm
	Faecal Coliforms		-	cfu/100ml
	Nitrate + Nitrite		-	mg/L
	Nitrogen (ammonia)		-	mg/L
	Phosphorus (total)		-	mg/L
	Total Kjeldhal Nitrogen		-	mg/L
	Chlorophyll 'a'		-	µg/L