



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	Limit	Units
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	Limit	Units
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	Limit	Units
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	2/07/2024	Oil and Grease	<5	10	mg/L
Reported	11/07/2024	pH	8.2	6.5-8.5	-
Published	25/07/2024	BOD	14	20	mg/L
		Suspended Solids	32	30	mg/L
		Conductivity	545	-	µS/cm
		Faecal Coliforms	570	-	cfu/100ml
		Nitrate + Nitrite	0.15	-	mg/L
		Nitrogen (ammonia)	1.44	-	mg/L
		Phosphorus (total)	2	-	mg/L
		Total Kjeldhal Nitrogen	4.6	-	mg/L
		Chlorophyll 'a'	378	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	6/08/2024	Oil and Grease	<5	10	mg/L
Reported	19/08/2024	pH	7.8	6.5-8.5	-
Published	22/08/2024	BOD	7	20	mg/L
		Suspended Solids	31	30	mg/L
		Conductivity	520	-	µS/cm
		Faecal Coliforms	~180	-	cfu/100ml
		Nitrate + Nitrite	0.13	-	mg/L
		Nitrogen (ammonia)	4.31	-	mg/L
		Phosphorus (total)	3.91	-	mg/L
		Total Kjeldhal Nitrogen	6.6	-	mg/L
		Chlorophyll 'a'	47	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	3/09/2024	Oil and Grease	<5	10	mg/L
Reported	16/09/2024	pH	7.9	6.5-8.5	-
Published	17/09/2024	BOD	7	20	mg/L



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		Quantity	Measurement	Limit	Units
		Suspended Solids	12	30	mg/L
		Conductivity	631	-	µS/cm
		Faecal Coliforms	~890	-	cfu/100ml
		Nitrate + Nitrite	0.22	-	mg/L
		Nitrogen (ammonia)	12.46	-	mg/L
		Phosphorus (total)	6.35	-	mg/L
		Total Kjeldhal Nitrogen	12.8	-	mg/L
		Chlorophyll 'a'	10	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	1/10/2024	Oil and Grease	<5	10	mg/L
Reported	14/10/2024	pH	7.9	6.5-8.5	-
Published	15/10/2024	BOD	19	20	mg/L
		Suspended Solids	27	30	mg/L
		Conductivity	562	-	µS/cm
		Faecal Coliforms	390	-	cfu/100ml
		Nitrate + Nitrite	1.64	-	mg/L
		Nitrogen (ammonia)	5.89	-	mg/L
		Phosphorus (total)	3.54	-	mg/L
		Total Kjeldhal Nitrogen	390	-	mg/L
		Chlorophyll 'a'	329	-	µg/L