



Delungra Sewage Treatment Plant

Sampling Point: Discharge Point

EPL No. 4114

Licence Period 15 October 2015 to 14 October 2016

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	10/11/2015	Oil and Grease	<2	10	mg/L
Reported	20/11/2015	pH	7.8	6.5-8.5	-
Published	24/11/2015	BOD	11	20	mg/L
		Suspended Solids	33	30	mg/L
		Conductivity	658	-	µS/cm
		Faecal Coliforms	94	-	cfu/100ml
		Nitrate + Nitrite	1.04	-	mg/L
		Nitrogen (ammonia)	2.4	-	mg/L
		Phosphorus (total)	5.1	-	mg/L
		Total Kjeldhal Nitrogen	4.56	-	mg/L
		Chlorophyll 'a'	43	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	1/12/20015	Oil and Grease	<2	10	mg/L
Reported	14/12/20015	pH	9	6.5-8.5	-
Published	15/12/2015	BOD	12	20	mg/L
		Suspended Solids	22	30	mg/L
		Conductivity	661	-	µS/cm
		Faecal Coliforms	78	-	cfu/100ml
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	0.06	-	mg/L
		Phosphorus (total)	3.6	-	mg/L
		Total Kjeldhal Nitrogen	3.3	-	mg/L
		Chlorophyll 'a'	52	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	12/01/2016	Oil and Grease	<2	10	mg/L
Reported	19/01/2016	pH	9.2	6.5-8.5	-
Published	20/01/2016	BOD	21	20	mg/L
		Suspended Solids	72	30	mg/L
		Conductivity	585	-	µS/cm
		Faecal Coliforms	300	-	cfu/100ml
		Nitrate + Nitrite	<0.060	-	mg/L
		Nitrogen (ammonia)	<0.010	-	mg/L
		Phosphorus (total)	4.9	-	mg/L
		Total Kjeldhal Nitrogen	4.4	-	mg/L
		Chlorophyll 'a'	155	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	2/02/2016	Oil and Grease	<2	10	mg/L
Reported	12/02/2016	pH	8.5	6.5-8.5	-
Published	16/02/2016	BOD	7	20	mg/L
		Suspended Solids	35	30	mg/L
		Conductivity	570	-	µS/cm
		Faecal Coliforms	20	-	cfu/100ml



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		Quantity	Measurement	Limit	Units
		Nitrate + Nitrite	0.05	-	mg/L
		Nitrogen (ammonia)	0.68	-	mg/L
		Phosphorus (total)	5.3	-	mg/L
		Total Kjeldhal Nitrogen	4.45	-	mg/L
		Chlorophyll 'a'	21	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	1/03/2016	Oil and Grease	<2	10	mg/L
Reported	14/03/2016	pH	8.1	6.5-8.5	-
Published	15/03/2016	BOD	9	20	mg/L
		Suspended Soilds	39	30	mg/L
		Conductivity	655	-	µS/cm
		Faecal Coliforms	8	-	cfu/100ml
		Nitrate + Nitrite	<0.060	-	mg/L
		Nitrogen (ammonia)	0.33	-	mg/L
		Phosphorus (total)	6.9	-	mg/L
		Total Kjeldhal Nitrogen	4.2	-	mg/L
		Chlorophyll 'a'	106	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	5/04/2016	Oil and Grease	<2	10	mg/L
Reported	3/05/2016	pH	8.2	6.5-8.5	-
Published	12/05/2016	BOD	8	20	mg/L
		Suspended Soilds	43	30	mg/L
		Conductivity	724	-	µS/cm
		Faecal Coliforms	1400	-	cfu/100ml
		Nitrate + Nitrite	0.45	-	mg/L
		Nitrogen (ammonia)	<0.010	-	mg/L
		Phosphorus (total)	7	-	mg/L
		Total Kjeldhal Nitrogen	2.95	-	mg/L
		Chlorophyll 'a'	<5	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	3/05/2016	Oil and Grease	<2	10	mg/L
Reported	11/05/2016	pH	8.1	6.5-8.5	-
Published	13/05/2016	BOD	7	20	mg/L
		Suspended Soilds	47	30	mg/L
		Conductivity	699	-	µS/cm
		Faecal Coliforms	3100	-	cfu/100ml
		Nitrate + Nitrite	0.06	-	mg/L
		Nitrogen (ammonia)	0.06	-	mg/L
		Phosphorus (total)	5.3	-	mg/L
		Total Kjeldhal Nitrogen	3.14	-	mg/L
		Chlorophyll 'a'	70	-	µg/L
		Quantity	Measurement	Limit	Units



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
Sampled	7/06/2016	Oil and Grease	<2	10	mg/L
Reported	20/06/2016	pH	7.9	6.5-8.5	-
Published	21/06/2016	BOD	3	20	mg/L
		Suspended Solids	15	30	mg/L
		Conductivity	650	-	µS/cm
		Faecal Coliforms	650	-	cfu/100ml
		Nitrate + Nitrite	1.49	-	mg/L
		Nitrogen (ammonia)	1.2	-	mg/L
		Phosphorus (total)	3.6	-	mg/L
		Total Kjeldhal Nitrogen	2.61	-	mg/L
		Chlorophyll 'a'	5	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	5/07/2016	Oil and Grease	<2	10	mg/L
Reported	13/07/2016	pH	7.8	6.5-8.5	-
Published	21/07/2016	BOD	3	20	mg/L
		Suspended Solids	14	30	mg/L
		Conductivity	565	-	µS/cm
		Faecal Coliforms	3400	-	cfu/100ml
		Nitrate + Nitrite	1.77	-	mg/L
		Nitrogen (ammonia)	0.65	-	mg/L
		Phosphorus (total)	2.5	-	mg/L
		Total Kjeldhal Nitrogen	1.93	-	mg/L
		Chlorophyll 'a'	5	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	2/08/2016	Oil and Grease	<2	10	mg/L
Reported	15/08/2016	pH	7.8	6.5-8.5	-
Published	17/08/2016	BOD	6	20	mg/L
		Suspended Solids	19	30	mg/L
		Conductivity	607	-	µS/cm
		Faecal Coliforms	80	-	cfu/100ml
		Nitrate + Nitrite	1.27	-	mg/L
		Nitrogen (ammonia)	0.97	-	mg/L
		Phosphorus (total)	2.1	-	mg/L
		Total Kjeldhal Nitrogen	2.33	-	mg/L
		Chlorophyll 'a'	9	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	6/09/2016	Oil and Grease	<2	10	mg/L
Reported	14/09/2016	pH	7.8	6.5-8.5	-
Published	15/09/2016	BOD	3	20	mg/L
		Suspended Solids	16	30	mg/L
		Conductivity	548	-	µS/cm
		Faecal Coliforms	110	-	cfu/100ml



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		Nitrate + Nitrite	0.71	-	mg/L
		Nitrogen (ammonia)	0.57	-	mg/L
		Phosphorus (total)	2.4	-	mg/L
		Total Kjeldhal Nitrogen	2.19	-	mg/L
		Chlorophyll 'a'	13	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	11/10/2016	Oil and Grease	<2	10	mg/L
Reported	17/10/2016	pH	8.1	6.5-8.5	-
Published	20/10/2016	BOD	3	20	mg/L
		Suspended Solids	23	30	mg/L
		Conductivity	547	-	µS/cm
		Faecal Coliforms	180	-	cfu/100ml
		Nitrate + Nitrite	3.7	-	mg/L
		Nitrogen (ammonia)	0.28	-	mg/L
		Phosphorus (total)	1.8	-	mg/L
		Total Kjeldhal Nitrogen	1.4	-	mg/L
		Chlorophyll 'a'	5	-	µg/L