



Delungra Sewage Treatment Plant

Sampling Point: Discharge Point

EPL No. 4114

Licence Period 15 October 2012 to 14 October 2013

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	13/11/2012	Oil and Grease	<2	10	mg/L
Reported	28/11/2012	pH	8	6.5-8.5	-
Published	30/11/2012	BOD	2	20	mg/L
		Suspended Soilds	8	30	mg/L
		Conductivity	459	-	µS/cm
		Faecal Coliforms	370	-	cfu/100ml
		Nitrate + Nitrite	0.26	-	mg/L
		Nitrogen (ammonia)	0.82	-	mg/L
		Phosphorus (total)	2.4	-	mg/L
		Total Kjeldhal Nitrogen	1.84	-	mg/L
		Chlorophyll 'a'	<2	-	µg/L
Sampled	4/12/2012	Oil and Grease	2	10	mg/L
Reported	18/12/2012	pH	8.1	6.5-8.5	-
Published	21/12/2012	BOD	2	20	mg/L
		Suspended Soilds	18	30	mg/L
		Conductivity	400	-	µS/cm
		Faecal Coliforms	344	-	cfu/100ml
		Nitrate + Nitrite	0.27	-	mg/L
		Nitrogen (ammonia)	0.38	-	mg/L
		Phosphorus (total)	1.9	-	mg/L
		Total Kjeldhal Nitrogen	1.53	-	mg/L
		Chlorophyll 'a'	7	-	µg/L
Sampled	8/01/2013	Oil and Grease	<2	10	mg/L
Reported	21/01/2013	pH	8.1	6.5-8.5	-
Published	20/02/2013	BOD	3	20	mg/L
		Suspended Soilds	28	30	mg/L
		Conductivity	498	-	µS/cm
		Faecal Coliforms	1000	-	cfu/100ml
		Nitrate + Nitrite	0.31	-	mg/L
		Nitrogen (ammonia)	0.44	-	mg/L
		Phosphorus (total)	1.6	-	mg/L
		Total Kjeldhal Nitrogen	1.49	-	mg/L
		Chlorophyll 'a'	6	-	µg/L
Sampled	5/02/2013	Oil and Grease	<2	10	mg/L
Reported	13/02/2013	pH	8.4	6.5-8.5	-
Published	20/02/2013	BOD	2	20	mg/L
		Suspended Soilds	27	30	mg/L
		Conductivity	437	-	µS/cm
		Faecal Coliforms	1280	-	cfu/100ml
		Nitrate + Nitrite	0.35	-	mg/L
		Nitrogen (ammonia)	0.21	-	mg/L
		Phosphorus (total)	1.4	-	mg/L



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
		Total Kjeldhal Nitrogen	1.35	-	mg/L
		Chlorophyll 'a'	9	-	µg/L
Sampled	5/03/2013	Oil and Grease	<2	10	mg/L
Reported	15/03/2013	pH	8	6.5-8.5	-
Published	22/03/2013	BOD	2	20	mg/L
		Suspended Solids	51	30	mg/L
		Conductivity	447	-	µS/cm
		Faecal Coliforms	690	-	cfu/100ml
		Nitrate + Nitrite	0.31	-	mg/L
		Nitrogen (ammonia)	0.54	-	mg/L
		Phosphorus (total)	1.7	-	mg/L
		Total Kjeldhal Nitrogen	1.89	-	mg/L
		Chlorophyll 'a'	8	-	µg/L
Sampled	9/04/2013	Oil and Grease	<2	10	mg/L
Reported	24/04/2013	pH	8.6	6.5-8.5	-
Published	25/04/2013	BOD	5	20	mg/L
		Suspended Solids	65	30	mg/L
		Conductivity	484	-	µS/cm
		Faecal Coliforms	588	-	cfu/100ml
		Nitrate + Nitrite	0.17	-	mg/L
		Nitrogen (ammonia)	0.08	-	mg/L
		Phosphorus (total)	1.6	-	mg/L
		Total Kjeldhal Nitrogen	1.73	-	mg/L
		Chlorophyll 'a'	2	-	µg/L
Sampled	7/05/2013	Oil and Grease	<2	10	mg/L
Reported	14/05/2013	pH	8.1	6.5-8.5	-
Published	16/05/2013	BOD	5	20	mg/L
		Suspended Solids	43	30	mg/L
		Conductivity	724	-	µS/cm
		Faecal Coliforms	416	-	cfu/100ml
		Nitrate + Nitrite	1.04	-	mg/L
		Nitrogen (ammonia)	1.1	-	mg/L
		Phosphorus (total)	2.6	-	mg/L
		Total Kjeldhal Nitrogen	3.16	-	mg/L
		Chlorophyll 'a'	9	-	µg/L
Sampled	12/06/2013	Oil and Grease	<2	10	mg/L
Reported	25/06/2013	pH	8	6.5-8.5	-
Published	27/06/2013	BOD	2	20	mg/L
		Suspended Solids	11	30	mg/L
		Conductivity	674	-	µS/cm
		Faecal Coliforms	280	-	cfu/100ml
		Nitrate + Nitrite	1.89	-	mg/L



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
		Nitrogen (ammonia)	0.58	-	mg/L
		Phosphorus (total)	2	-	mg/L
		Total Kjeldhal Nitrogen	2.11	-	mg/L
		Chlorophyll 'a'	10	-	µg/L
Sampled	2/07/2013	Oil and Grease	<2	10	mg/L
Reported	9/07/2013	pH	8	6.5-8.5	-
Published	17/07/2013	BOD	3	20	mg/L
		Suspended Soilds	19	30	mg/L
		Conductivity	642	-	µS/cm
		Faecal Coliforms	700	-	cfu/100ml
		Nitrate + Nitrite	3.06	-	mg/L
		Nitrogen (ammonia)	0.24	-	mg/L
		Phosphorus (total)	2	-	mg/L
		Total Kjeldhal Nitrogen	1.44	-	mg/L
		Chlorophyll 'a'	7	-	µg/L
Sampled	13/08/2013	Oil and Grease	<2	10	mg/L
Reported	22/08/2013	pH	8.1	6.5-8.5	-
Published	26/08/2013	BOD	2	20	mg/L
		Suspended Soilds	24	30	mg/L
		Conductivity	630	-	µS/cm
		Faecal Coliforms	550	-	cfu/100ml
		Nitrate + Nitrite	1.63	-	mg/L
		Nitrogen (ammonia)	0.14	-	mg/L
		Phosphorus (total)	1.9	-	mg/L
		Total Kjeldhal Nitrogen	1.27	-	mg/L
		Chlorophyll 'a'	10	-	µg/L
Sampled	3/09/2013	Oil and Grease	<2	10	mg/L
Reported	16/09/2013	pH	9.8	6.5-8.5	-
Published	18/09/2013	BOD	4	20	mg/L
		Suspended Soilds	43	30	mg/L
		Conductivity	639	-	µS/cm
		Faecal Coliforms	32	-	cfu/100ml
		Nitrate + Nitrite	0.86	-	mg/L
		Nitrogen (ammonia)	0.01	-	mg/L
		Phosphorus (total)	1.7	-	mg/L
		Total Kjeldhal Nitrogen	1.64	-	mg/L
		Chlorophyll 'a'	16	-	µg/L
Sampled	15/10/2013	Oil and Grease	3	10	mg/L
Reported	25/10/2013	pH	9.2	6.5-8.5	-
Published	12/11/2013	BOD	8	20	mg/L
		Suspended Soilds	126	30	mg/L
		Conductivity	642	-	µS/cm



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Quantity	Measurement	Limit	Units
Faecal Coliforms	160	-	cfu/100ml
Nitrate + Nitrite	0	-	mg/L
Nitrogen (ammonia)	<0.010	-	mg/L
Phosphorus (total)	3.3	-	mg/L
Total Kjeldhal Nitrogen	2.5	-	mg/L
Chlorophyll 'a'	26	-	µg/L