



Delungra Sewage Treatment Plant

Sampling Point: Discharge Point

EPL No. 4114

Licence Period 15 October 2013 to 14 October 2014

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	6/11/2013	Oil and Grease	<2	10	mg/L
Reported	25/11/2013	pH	8	6.5-8.5	-
Published	28/11/2013	BOD	4	20	mg/L
		Suspended Solids	121	30	mg/L
		Conductivity	778	-	µS/cm
		Faecal Coliforms	108	-	cfu/100ml
		Nitrate + Nitrite	0.22	-	mg/L
		Nitrogen (ammonia)	0.98	-	mg/L
		Phosphorus (total)	5.9	-	mg/L
		Total Kjeldhal Nitrogen	3.78	-	mg/L
		Chlorophyll 'a'	18	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	3/12/2013	Oil and Grease	<2	10	mg/L
Reported	18/12/2013	pH	8.2	6.5-8.5	-
Published	3/01/2014	BOD	2	20	mg/L
		Suspended Solids	32	30	mg/L
		Conductivity	793	-	µS/cm
		Faecal Coliforms	134	-	cfu/100ml
		Nitrate + Nitrite	0.47	-	mg/L
		Nitrogen (ammonia)	0.32	-	mg/L
		Phosphorus (total)	4.4	-	mg/L
		Total Kjeldhal Nitrogen	1.13	-	mg/L
		Chlorophyll 'a'	3	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	14/01/2014	Oil and Grease	<2	10	mg/L
Reported	22/01/2014	pH	8.2	6.5-8.5	-
Published	24/01/2014	BOD	6	20	mg/L
		Suspended Solids	78	30	mg/L
		Conductivity	998	-	µS/cm
		Faecal Coliforms	1700	-	cfu/100ml
		Nitrate + Nitrite	0.2	-	mg/L
		Nitrogen (ammonia)	0.53	-	mg/L
		Phosphorus (total)	4.2	-	mg/L
		Total Kjeldhal Nitrogen	3.3	-	mg/L
		Chlorophyll 'a'	24	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	4/02/2014	Oil and Grease	<2	10	mg/L
Reported	12/02/2014	pH	8.5	6.5-8.5	-
Published	10/03/2014	BOD	5	20	mg/L
		Suspended Solids	47	30	mg/L
		Conductivity	1062	-	µS/cm
		Faecal Coliforms	228	-	cfu/100ml



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		Quantity	Measurement	Limit	Units
		Nitrate + Nitrite	0.07	-	mg/L
		Nitrogen (ammonia)	0.24	-	mg/L
		Phosphorus (total)	3.4	-	mg/L
		Total Kjeldhal Nitrogen	2.93	-	mg/L
		Chlorophyll 'a'	23	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	4/03/2014	Oil and Grease	<2	10	mg/L
Reported	17/03/2014	pH	8.4	6.5-8.5	-
Published	21/03/2014	BOD	4	20	mg/L
		Suspended Solids	45	30	mg/L
		Conductivity	1062	-	µS/cm
		Faecal Coliforms	86	-	cfu/100ml
		Nitrate + Nitrite	0.24	-	mg/L
		Nitrogen (ammonia)	0.75	-	mg/L
		Phosphorus (total)	3.8	-	mg/L
		Total Kjeldhal Nitrogen	3.06	-	mg/L
		Chlorophyll 'a'	7	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	1/04/2014	Oil and Grease	<2	10	mg/L
Reported	11/04/2014	pH	8.2	6.5-8.5	-
Published	9/05/2014	BOD	3	20	mg/L
		Suspended Solids	49	30	mg/L
		Conductivity	850	-	µS/cm
		Faecal Coliforms	260	-	cfu/100ml
		Nitrate + Nitrite	0.6	-	mg/L
		Nitrogen (ammonia)	0.51	-	mg/L
		Phosphorus (total)	2.8	-	mg/L
		Total Kjeldhal Nitrogen	2.7	-	mg/L
		Chlorophyll 'a'	10	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	6/05/2014	Oil and Grease	<2	10	mg/L
Reported	20/05/2014	pH	9.2	6.5-8.5	-
Published	21/05/2014	BOD	13	20	mg/L
		Suspended Solids	19	30	mg/L
		Conductivity	799	-	µS/cm
		Faecal Coliforms	120	-	cfu/100ml
		Nitrate + Nitrite	0.07	-	mg/L
		Nitrogen (ammonia)	0.07	-	mg/L
		Phosphorus (total)	2.7	-	mg/L
		Total Kjeldhal Nitrogen	2.03	-	mg/L
		Chlorophyll 'a'	36	-	µg/L
		Quantity	Measurement	Limit	Units



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144 Otho Street, Inverell

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		Quantity	Measurement	Limit	Units
Sampled	3/06/2014	Oil and Grease	<2	10	mg/L
Reported	24/06/2014	pH	8.2	6.5-8.5	-
Published	27/06/2014	BOD	3	20	mg/L
		Suspended Solids	11	30	mg/L
		Conductivity	755	-	µS/cm
		Faecal Coliforms	520	-	cfu/100ml
		Nitrate + Nitrite	0.6	-	mg/L
		Nitrogen (ammonia)	1	-	mg/L
		Phosphorus (total)	3.1	-	mg/L
		Total Kjeldhal Nitrogen	2.7	-	mg/L
		Chlorophyll 'a'	10	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	1/07/2014	Oil and Grease	<2	10	mg/L
Reported	11/07/2014	pH	8.2	6.5-8.5	-
Published	21/07/2014	BOD	2	20	mg/L
		Suspended Solids	7	30	mg/L
		Conductivity	707	-	µS/cm
		Faecal Coliforms	150	-	cfu/100ml
		Nitrate + Nitrite	1.58	-	mg/L
		Nitrogen (ammonia)	0.49	-	mg/L
		Phosphorus (total)	2.5	-	mg/L
		Total Kjeldhal Nitrogen	1.72	-	mg/L
		Chlorophyll 'a'	4	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	5/08/2014	Oil and Grease	<2	10	mg/L
Reported	21/08/2014	pH	7.8	6.5-8.5	-
Published	5/09/2014	BOD	4	20	mg/L
		Suspended Solids	20	30	mg/L
		Conductivity	734	-	µS/cm
		Faecal Coliforms	650	-	cfu/100ml
		Nitrate + Nitrite	1.56	-	mg/L
		Nitrogen (ammonia)	0.39	-	mg/L
		Phosphorus (total)	2.9	-	mg/L
		Total Kjeldhal Nitrogen	2.34	-	mg/L
		Chlorophyll 'a'	15	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	2/09/2014	Oil and Grease	<2	10	mg/L
Reported	12/09/2014	pH	8	6.5-8.5	-
Published	23/09/2014	BOD	2	20	mg/L
		Suspended Solids	16	30	mg/L
		Conductivity	714	-	µS/cm
		Faecal Coliforms	1100	-	cfu/100ml



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
		Nitrate + Nitrite	0.76	-	mg/L
		Nitrogen (ammonia)	0.21	-	mg/L
		Phosphorus (total)	2.6	-	mg/L
		Total Kjeldhal Nitrogen	1.84	-	mg/L
		Chlorophyll 'a'	14	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	7/10/2014	Oil and Grease	<2	10	mg/L
Reported	16/10/2014	pH	7.8	6.5-8.5	-
Published	20/10/2014	BOD	2	20	mg/L
		Suspended Solids	17	30	mg/L
		Conductivity	754	-	µS/cm
		Faecal Coliforms	660	-	cfu/100ml
		Nitrate + Nitrite	0.26	-	mg/L
		Nitrogen (ammonia)	0.16	-	mg/L
		Phosphorus (total)	3	-	mg/L
		Total Kjeldhal Nitrogen	1.94	-	mg/L
		Chlorophyll 'a'	8	-	µg/L