



Delungra Sewage Treatment Plant

Sampling Point: Discharge Point

EPL No. 4114

Licence Period 15 October 2016 to 14 October 2017

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	8/11/2016	Oil and Grease	<2	10	mg/L
Reported	21/11/2016	pH	8.2	6.5-8.5	-
Published	22/11/2016	BOD	7	20	mg/L
		Suspended Solids	26	30	mg/L
		Conductivity	576	-	µS/cm
		Faecal Coliforms	170	-	cfu/100ml
		Nitrate + Nitrite	0.81	-	mg/L
		Nitrogen (ammonia)	1.4	-	mg/L
		Phosphorus (total)	2.6	-	mg/L
		Total Kjeldhal Nitrogen	3.09	-	mg/L
		Chlorophyll 'a'	5	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	13/12/2016	Oil and Grease	<2	10	mg/L
Reported	23/12/2016	pH	8	6.5-8.5	-
Published	6/01/2017	BOD	15	20	mg/L
		Suspended Solids	73	30	mg/L
		Conductivity	592	-	µS/cm
		Faecal Coliforms	880	-	cfu/100ml
		Nitrate + Nitrite	0.12	-	mg/L
		Nitrogen (ammonia)	0.98	-	mg/L
		Phosphorus (total)	4.4	-	mg/L
		Total Kjeldhal Nitrogen	5.88	-	mg/L
		Chlorophyll 'a'	110	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	10/01/2017	Oil and Grease	0	10	mg/L
Reported	20/01/2017	pH	9.7	6.5-8.5	-
Published	27/01/2017	BOD	14	20	mg/L
		Suspended Solids	52	30	mg/L
		Conductivity	578	-	µS/cm
		Faecal Coliforms	3	-	cfu/100ml
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	0.16	-	mg/L
		Phosphorus (total)	2.6	-	mg/L
		Total Kjeldhal Nitrogen	4.9	-	mg/L
		Chlorophyll 'a'	158	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	7/02/2017	Oil and Grease	<2	10	mg/L
Reported	17/02/2017	pH	8.5	6.5-8.5	-
Published	22/02/2017	BOD	8	20	mg/L
		Suspended Solids	22	30	mg/L
		Conductivity	566	-	µS/cm
		Faecal Coliforms	1	-	cfu/100ml



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		Quantity	Measurement	Limit	Units
		Nitrate + Nitrite	0.01	-	mg/L
		Nitrogen (ammonia)	1.1	-	mg/L
		Phosphorus (total)	4.3	-	mg/L
		Total Kjeldhal Nitrogen	4.99	-	mg/L
		Chlorophyll 'a'	29	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	7/03/2017	Oil and Grease	3	10	mg/L
Reported	27/03/2017	pH	9.5	6.5-8.5	-
Published	31/03/2017	BOD	33	20	mg/L
		Suspended Soilds	81	30	mg/L
		Conductivity	536	-	µS/cm
		Faecal Coliforms	26	-	cfu/100ml
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	<0.01	-	mg/L
		Phosphorus (total)	3.8	-	mg/L
		Total Kjeldhal Nitrogen	5.4	-	mg/L
		Chlorophyll 'a'	858	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	4/04/2017	Oil and Grease	2	10	mg/L
Reported	20/04/2017	pH	8.8	6.5-8.5	-
Published	20/04/2017	BOD	17	20	mg/L
		Suspended Soilds	39	30	mg/L
		Conductivity	493	-	µS/cm
		Faecal Coliforms	31	-	cfu/100ml
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	0.01	-	mg/L
		Phosphorus (total)	5	-	mg/L
		Total Kjeldhal Nitrogen	3.9	-	mg/L
		Chlorophyll 'a'	237	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	2/05/2017	Oil and Grease	<2	10	mg/L
Reported	12/05/2017	pH	8.6	6.5-8.5	-
Published	19/05/2017	BOD	16	20	mg/L
		Suspended Soilds	63	30	mg/L
		Conductivity	503	-	µS/cm
		Faecal Coliforms	2420	-	cfu/100ml
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	<0.01	-	mg/L
		Phosphorus (total)	4.4	-	mg/L
		Total Kjeldhal Nitrogen	4.4	-	mg/L
		Chlorophyll 'a'	176	-	µg/L
		Quantity	Measurement	Limit	Units



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Sampled	6/06/2017	Oil and Grease	<2	10	mg/L
Reported	20/06/2017	pH	7.7	6.5-8.5	-
Published	21/06/2017	BOD	5	20	mg/L
		Suspended Solids	39	30	mg/L
		Conductivity	568	-	µS/cm
		Faecal Coliforms	33	-	cfu/100ml
		Nitrate + Nitrite	0.15	-	mg/L
		Nitrogen (ammonia)	2.7	-	mg/L
		Phosphorus (total)	4.4	-	mg/L
		Total Kjeldhal Nitrogen	4.75	-	mg/L
		Chlorophyll 'a'	3	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	3/07/2017	Oil and Grease	<2	10	mg/L
Reported	13/07/2017	pH	7.7	6.5-8.5	-
Published	24/07/2017	BOD	2	20	mg/L
		Suspended Solids	12	30	mg/L
		Conductivity	536	-	µS/cm
		Faecal Coliforms	276	-	cfu/100ml
		Nitrate + Nitrite	0.7	-	mg/L
		Nitrogen (ammonia)	3.4	-	mg/L
		Phosphorus (total)	3.8	-	mg/L
		Total Kjeldhal Nitrogen	4.8	-	mg/L
		Chlorophyll 'a'	<2	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	1/08/2017	Oil and Grease	<2	10	mg/L
Reported	9/08/2017	pH	7.8	6.5-8.5	-
Published	11/08/2017	BOD	9	20	mg/L
		Suspended Solids	36	30	mg/L
		Conductivity	566	-	µS/cm
		Faecal Coliforms	980	-	cfu/100ml
		Nitrate + Nitrite	2.3	-	mg/L
		Nitrogen (ammonia)	2.2	-	mg/L
		Phosphorus (total)	6.5	-	mg/L
		Total Kjeldhal Nitrogen	4	-	mg/L
		Chlorophyll 'a'	35	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	5/09/2017	Oil and Grease	<2	10	mg/L
Reported	15/09/2017	pH	8.1	6.5-8.5	-
Published	18/09/2017	BOD	10	20	mg/L
		Suspended Solids	38	30	mg/L
		Conductivity	639	-	µS/cm
		Faecal Coliforms	1986	-	cfu/100ml



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		Nitrate + Nitrite	2.75	-	mg/L
		Nitrogen (ammonia)	4.3	-	mg/L
		Phosphorus (total)	1.8	-	mg/L
		Total Kjeldhal Nitrogen	6.25	-	mg/L
		Chlorophyll 'a'	10	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	10/10/2017	Oil and Grease	<2	10	mg/L
Reported	24/10/2017	pH	7.9	6.5-8.5	-
Published	31/10/2017	BOD	9	20	mg/L
		Suspended Solids	29	30	mg/L
		Conductivity	656	-	µS/cm
		Faecal Coliforms	6,867	-	cfu/100ml
		Nitrate + Nitrite	2.29	-	mg/L
		Nitrogen (ammonia)	5.7	-	mg/L
		Phosphorus (total)	1.2	-	mg/L
		Total Kjeldhal Nitrogen	7.71	-	mg/L
		Chlorophyll 'a'	26	-	µg/L