



Delungra Sewage Treatment Plant

Sampling Point: Discharge Point		EPL No. 4114			
Licence Period 15 October 2018 to 14 October 2019		Licensee: Inverell Shire Council			
http://www.environment.nsw.gov.au/prpoeoapp/Detail.aspx?instid=4114&id=4114&option=licence&searchrange=licence&range=POEO licence&prp=no&status=Issued		144 Otho Street, Inverell			
		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
Sampled	13.11.2018	Oil and Grease	<2	10	mg/L
Reported	23.11.2018	pH	7.8	6.5-8.5	-
Published	27.11.2018	BOD	10	20	mg/L
		Suspended Soilds	48	30	mg/L
		Conductivity	787	-	µS/cm
		Faecal Coliforms	>2420	-	cfu/100ml
		Nitrate + Nitrite	0.2	-	mg/L
		Nitrogen (ammonia)	2.9	-	mg/L
		Phosphorus (total)	9.1	-	mg/L
		Total Kjeldhal Nitrogen	6.4	-	mg/L
		Chlorophyll 'a'	6	-	µg/L
				Quantity	Measurement
Sampled	04.12.2018	Oil and Grease	<2	10	mg/L
Reported	21.12.2018	pH	7.5	6.5-8.5	-
Published	24.12.2018	BOD	7	20	mg/L
		Suspended Soilds	37	30	mg/L
		Conductivity	765	-	µS/cm
		Faecal Coliforms	3310	-	cfu/100ml
		Nitrate + Nitrite	0.02	-	mg/L
		Nitrogen (ammonia)	1.4	-	mg/L
		Phosphorus (total)	9.5	-	mg/L
		Total Kjeldhal Nitrogen	3.78	-	mg/L
		Chlorophyll 'a'	9	-	µg/L
				Quantity	Measurement
Sampled	08.01.2019	Oil and Grease	<2	10	mg/L
Reported	22.01.2019	pH	8.6	6.5-8.5	-
Published	29.01.2019	BOD	16	20	mg/L
		Suspended Soilds	118	30	mg/L
		Conductivity	834	-	µS/cm
		Faecal Coliforms	461	-	cfu/100ml
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	0.07	-	mg/L
		Phosphorus (total)	7	-	mg/L
		Total Kjeldhal Nitrogen	5.1	-	mg/L
		Chlorophyll 'a'	152	-	µg/L
				Quantity	Measurement
Sampled	05.02.2019	Oil and Grease	<2	10	mg/L
Reported	15.02.2019	pH	8.7	6.5-8.5	-
Published	21.02.2019	BOD	20	20	mg/L
		Suspended Soilds	68	30	mg/L
		Conductivity	858	-	µS/cm
		Faecal Coliforms	31	-	cfu/100ml



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	<0.01	-	mg/L
		Phosphorus (total)	5.9	-	mg/L
		Total Kjeldhal Nitrogen	4.6	-	mg/L
		Chlorophyll 'a'	187	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	06.03.2019	Oil and Grease	<2	10	mg/L
Reported	19.03.2019	pH	8.5	6.5-8.5	-
Published	19.03.2019	BOD	22	20	mg/L
		Suspended Solids	86	30	mg/L
		Conductivity	951	-	µS/cm
		Faecal Coliforms	750	-	cfu/100ml
		Nitrate + Nitrite	0.05	-	mg/L
		Nitrogen (ammonia)	<0.01	-	mg/L
		Phosphorus (total)	8.5	-	mg/L
		Total Kjeldhal Nitrogen	6.75	-	mg/L
		Chlorophyll 'a'	260	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	02.04.2019	Oil and Grease	2	10	mg/L
Reported	02.05.2019	pH	9.3	6.5-8.5	-
Published	06.05.2019	BOD	14	20	mg/L
		Suspended Solids	136	30	mg/L
		Conductivity	827	-	µS/cm
		Faecal Coliforms	166	-	cfu/100ml
		Nitrate + Nitrite	0.12	-	mg/L
		Nitrogen (ammonia)	0.04	-	mg/L
		Phosphorus (total)	6.8	-	mg/L
		Total Kjeldhal Nitrogen	9.18	-	mg/L
		Chlorophyll 'a'	460	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	07.05.2019	Oil and Grease	2	10	mg/L
Reported	20.05.2019	pH	8.5	6.5-8.5	-
Published	20.05.2019	BOD	16	20	mg/L
		Suspended Solids	81	30	mg/L
		Conductivity	855	-	µS/cm
		Faecal Coliforms	3255	-	cfu/100ml
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	0.05	-	mg/L
		Phosphorus (total)	9.1	-	mg/L
		Total Kjeldhal Nitrogen	7.8	-	mg/L
		Chlorophyll 'a'	266	-	µg/L
		Quantity	Measurement	Limit	Units



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144 Otho Street, Inverell

Monitoring Frequency - Monthly

		Quantity	Measurement	Limit	Units
Sampled	04.06.2019	Oil and Grease	<2	10	mg/L
Reported	17.06.2019	pH	7.9	6.5-8.5	-
Published	18.06.2019	BOD	3	20	mg/L
		Suspended Soilds	15	30	mg/L
		Conductivity	871	-	µS/cm
		Faecal Coliforms	620	-	cfu/100ml
		Nitrate + Nitrite	4.36	-	mg/L
		Nitrogen (ammonia)	0.51	-	mg/L
		Phosphorus (total)	8.5	-	mg/L
		Total Kjeldhal Nitrogen	1.84	-	mg/L
		Chlorophyll 'a'	<2	-	µg/L
				Quantity	Measurement
Sampled	02.07.2019	Oil and Grease	<5	10	mg/L
Reported	10.07.2019	pH	8.2	6.5-8.5	-
Published	12.07.2019	BOD	7	20	mg/L
		Suspended Soilds	6	30	mg/L
		Conductivity	849	-	µS/cm
		Faecal Coliforms	170	-	cfu/100ml
		Nitrate + Nitrite	1.08	-	mg/L
		Nitrogen (ammonia)	0.9	-	mg/L
		Phosphorus (total)	5.47	-	mg/L
		Total Kjeldhal Nitrogen	1.82	-	mg/L
		Chlorophyll 'a'	<2	-	µg/L
				Quantity	Measurement
Sampled	06.08.2019	Oil and Grease	<5	10	mg/L
Reported	15.08.2019	pH	8.1	6.5-8.5	-
Published	20.08.2019	BOD	52	20	mg/L
		Suspended Soilds	9	30	mg/L
		Conductivity	853	-	µS/cm
		Faecal Coliforms	120	-	cfu/100ml
		Nitrate + Nitrite	0.51	-	mg/L
		Nitrogen (ammonia)	1.3	-	mg/L
		Phosphorus (total)	3.81	-	mg/L
		Total Kjeldhal Nitrogen	3.09	-	mg/L
		Chlorophyll 'a'	10	-	µg/L
				Quantity	Measurement
Sampled	03.09.2019	Oil and Grease	<5	10	mg/L
Reported	17.09.2019	pH	8.9	6.5-8.5	-
Published	19.09.2019	BOD	10	20	mg/L
		Suspended Soilds	12	30	mg/L
		Conductivity	871	-	µS/cm
		Faecal Coliforms	110	-	cfu/100ml



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
		Nitrate + Nitrite	0.26	-	mg/L
		Nitrogen (ammonia)	<0.1	-	mg/L
		Phosphorus (total)	3.26	-	mg/L
		Total Kjeldhal Nitrogen	1.84	-	mg/L
		Chlorophyll 'a'	45	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	01.10.2019	Oil and Grease	<5	10	mg/L
Reported	14.10.2019	pH	8.1	6.5-8.5	-
Published	15.10.2019	BOD	4	20	mg/L
		Suspended Solids	17	30	mg/L
		Conductivity	905	-	µS/cm
		Faecal Coliforms	16	-	cfu/100ml
		Nitrate + Nitrite	0.06	-	mg/L
		Nitrogen (ammonia)	1.3	-	mg/L
		Phosphorus (total)	6.84	-	mg/L
		Total Kjeldhal Nitrogen	3.54	-	mg/L
		Chlorophyll 'a'	13	-	µg/L