



## Delungra Sewage Treatment Plant

Sampling Point: Discharge Point		EPL No. 4114			
Licence Period 15 October 2017 to 14 October 2018		Licensee: Inverell Shire Council			
<a href="http://www.environment.nsw.gov.au/prpoeoapp/Detail.aspx?instid=4114&amp;id=4114&amp;option=licence&amp;searchrange=licence&amp;range=POEO licence&amp;prp=no&amp;status=Issued">http://www.environment.nsw.gov.au/prpoeoapp/Detail.aspx?instid=4114&amp;id=4114&amp;option=licence&amp;searchrange=licence&amp;range=POEO licence&amp;prp=no&amp;status=Issued</a>		144 Otho Street, Inverell			
		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
Sampled	14.11.2017	Oil and Grease	<2	10	mg/L
Reported	22.11.2017	pH	7.9	6.5-8.5	-
Published	29.11.2017	BOD	13	20	mg/L
		Suspended Solids	32	30	mg/L
		Conductivity	608	-	µS/cm
		Faecal Coliforms	3030	-	cfu/100ml
		Nitrate + Nitrite	0.77	-	mg/L
		Nitrogen (ammonia)	4.2	-	mg/L
		Phosphorus (total)	2.7	-	mg/L
		Total Kjeldhal Nitrogen	7.13	-	mg/L
		Chlorophyll 'a'	31	-	µg/L
				Quantity	Measurement
Sampled	05.12.2017	Oil and Grease	<2	10	mg/L
Reported	19.12.2017	pH	8.1	6.5-8.5	-
Published	22.12.2017	BOD	30	20	mg/L
		Suspended Solids	35	30	mg/L
		Conductivity	570	-	µS/cm
		Faecal Coliforms	147	-	cfu/100ml
		Nitrate + Nitrite	0.56	-	mg/L
		Nitrogen (ammonia)	52	-	mg/L
		Phosphorus (total)	3.3	-	mg/L
		Total Kjeldhal Nitrogen	4.04	-	mg/L
		Chlorophyll 'a'	220	-	µg/L
				Quantity	Measurement
Sampled	09.01.2018	Oil and Grease	<2	10	mg/L
Reported	22.01.2018	pH	8.5	6.5-8.5	-
Published	30.01.2018	BOD	10	20	mg/L
		Suspended Solids	33	30	mg/L
		Conductivity	652	-	µS/cm
		Faecal Coliforms	13	-	cfu/100ml
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	0.17	-	mg/L
		Phosphorus (total)	4.2	-	mg/L
		Total Kjeldhal Nitrogen	3.8	-	mg/L
		Chlorophyll 'a'	115	-	µg/L
				Quantity	Measurement
Sampled	06.02.2018	Oil and Grease	<2	10	mg/L
Reported	14.02.2018	pH	8.7	6.5-8.5	-
Published	19.02.2018	BOD	14	20	mg/L
		Suspended Solids	51	30	mg/L
		Conductivity	721	-	µS/cm
		Faecal Coliforms	816	-	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)	4.9	-	mg/L
		Total Kjeldhal Nitrogen	4	-	mg/L
		Chlorophyll 'a'	149	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	06.03.2018	Oil and Grease	<2	10	mg/L
Reported	15.03.2018	pH	8.4	6.5-8.5	-
Published	20.03.2018	BOD	9	20	mg/L
		Suspended Solids	42	30	mg/L
		Conductivity	968	-	µS/cm
		Faecal Coliforms	649	-	cfu/100ml
		Nitrate + Nitrite	0.11	-	mg/L
		Nitrogen (ammonia)	0.01	-	mg/L
		Phosphorus (total)	0.51	-	mg/L
		Total Kjeldhal Nitrogen	2.79	-	mg/L
		Chlorophyll 'a'	232	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	10.04.2018	Oil and Grease	<2	10	mg/L
Reported	20.04.2018	pH	8.1	6.5-8.5	-
Published	24.05.2018	BOD	2	20	mg/L
		Suspended Solids	10	30	mg/L
		Conductivity	983	-	µS/cm
		Faecal Coliforms	15	-	cfu/100ml
		Nitrate + Nitrite	0.18	-	mg/L
		Nitrogen (ammonia)	0.33	-	mg/L
		Phosphorus (total)	0.15	-	mg/L
		Total Kjeldhal Nitrogen	20.82	-	mg/L
		Chlorophyll 'a'	14	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	01.05.2018	Oil and Grease	<2	10	mg/L
Reported	10.05.2018	pH	8.4	6.5-8.5	-
Published	17.05.2018	BOD	14	20	mg/L
		Suspended Solids	61	30	mg/L
		Conductivity	729	-	µS/cm
		Faecal Coliforms	816	-	cfu/100ml
		Nitrate + Nitrite	<0.06	-	mg/L
		Nitrogen (ammonia)	<0.01	-	mg/L
		Phosphorus (total)	5.6	-	mg/L
		Total Kjeldhal Nitrogen	4.3	-	mg/L
		Chlorophyll 'a'	224	-	µg/L
		Quantity	Measurement	Limit	Units



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
Sampled	05.06.2018	Oil and Grease	<2	10	mg/L
Reported	21.06.2018	pH	7.8	6.5-8.5	-
Published	22.06.2018	BOD	4	20	mg/L
		Suspended Solids	21	30	mg/L
		Conductivity	729	-	µS/cm
		Faecal Coliforms	238	-	cfu/100ml
		Nitrate + Nitrite	0.14	-	mg/L
		Nitrogen (ammonia)	1.4	-	mg/L
		Phosphorus (total)	5.6	-	mg/L
		Total Kjeldhal Nitrogen	3.46	-	mg/L
		Chlorophyll 'a'	6	-	µg/L
				Quantity	Measurement
Sampled	03.07.2018	Oil and Grease	<2	10	mg/L
Reported	13.07.2018	pH	7.7	6.5-8.5	-
Published	23.07.2018	BOD	3	20	mg/L
		Suspended Solids	15	30	mg/L
		Conductivity	715	-	µS/cm
		Faecal Coliforms	326	-	cfu/100ml
		Nitrate + Nitrite	0.26	-	mg/L
		Nitrogen (ammonia)	2.8	-	mg/L
		Phosphorus (total)	5.1	-	mg/L
		Total Kjeldhal Nitrogen	4.34	-	mg/L
		Chlorophyll 'a'	4	-	µg/L
				Quantity	Measurement
Sampled	07.08.2018	Oil and Grease	<2	10	mg/L
Reported	20.08.2018	pH	7.9	6.5-8.5	-
Published	21.08.2018	BOD	5	20	mg/L
		Suspended Solids	7	30	mg/L
		Conductivity	714	-	µS/cm
		Faecal Coliforms	84	-	cfu/100ml
		Nitrate + Nitrite	0.85	-	mg/L
		Nitrogen (ammonia)	1.3	-	mg/L
		Phosphorus (total)	3.1	-	mg/L
		Total Kjeldhal Nitrogen	2.75	-	mg/L
		Chlorophyll 'a'	<2	-	µg/L
				Quantity	Measurement
Sampled	04.09.2018	Oil and Grease	<2	10	mg/L
Reported	14.09.2018	pH	7.9	6.5-8.5	-
Published	18.09.2018	BOD	4	20	mg/L
		Suspended Solids	8	30	mg/L
		Conductivity	648	-	µS/cm
		Faecal Coliforms	261	-	cfu/100ml



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		<b>Monitoring Frequency - Monthly</b>			
		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
		Nitrate + Nitrite	0.91	-	mg/L
		Nitrogen (ammonia)	0.62	-	mg/L
		Phosphorus (total)	2.7	-	mg/L
		Total Kjeldhal Nitrogen	2.09	-	mg/L
		Chlorophyll 'a'	4	-	µg/L
		<b>Quantity</b>	<b>Measurement</b>	<b>Limit</b>	<b>Units</b>
Sampled	09.10.2018	Oil and Grease	<2	10	mg/L
Reported	19.10.2018	pH	7.6	6.5-8.5	-
Published	22.10.2018	BOD	8	20	mg/L
		Suspended Solids	21	30	mg/L
		Conductivity	728	-	µS/cm
		Faecal Coliforms	579	-	cfu/100ml
		Nitrate + Nitrite	0.56	-	mg/L
		Nitrogen (ammonia)	0.61	-	mg/L
		Phosphorus (total)	4.7	-	mg/L
		Total Kjeldhal Nitrogen	2.34	-	mg/L
		Chlorophyll 'a'	6	-	µg/L