



# Delungra Sewage Treatment Plant

**Sampling Point: Discharge Point**

**EPL No. 4114**

**Licence Period 15 October 2014 to 14 October 2015**

**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	3/11/2014	Oil and Grease	<2	10	mg/L
Reported	18/11/2014	pH	8.2	6.5-8.5	-
Published	21/11/2014	BOD	4	20	mg/L
		Suspended Solids	27	30	mg/L
		Conductivity	817	-	µS/cm
		Faecal Coliforms	480	-	cfu/100ml
		Nitrate + Nitrite	0.16	-	mg/L
		Nitrogen (ammonia)	0.09	-	mg/L
		Phosphorus (total)	3	-	mg/L
		Total Kjeldhal Nitrogen	2.34	-	mg/L
		Chlorophyll 'a'	17	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	2/12/2014	Oil and Grease	<2	10	mg/L
Reported	12/12/2014	pH	8.7	6.5-8.5	-
Published	16/12/2014	BOD	4	20	mg/L
		Suspended Solids	18	30	mg/L
		Conductivity	896	-	µS/cm
		Faecal Coliforms	1000	-	cfu/100ml
		Nitrate + Nitrite	0.02	-	mg/L
		Nitrogen (ammonia)	0.04	-	mg/L
		Phosphorus (total)	4.7	-	mg/L
		Total Kjeldhal Nitrogen	2.18	-	mg/L
		Chlorophyll 'a'	11	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	6/01/2015	Oil and Grease	<2	10	mg/L
Reported	14/01/2015	pH	8.2	6.5-8.5	-
Published	16/01/2015	BOD	4	20	mg/L
		Suspended Solids	24	30	mg/L
		Conductivity	807	-	µS/cm
		Faecal Coliforms	44	-	cfu/100ml
		Nitrate + Nitrite	0	-	mg/L
		Nitrogen (ammonia)	0.01	-	mg/L
		Phosphorus (total)	5.5	-	mg/L
		Total Kjeldhal Nitrogen	2.6	-	mg/L
		Chlorophyll 'a'	38	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	3/02/2015	Oil and Grease	<2	10	mg/L
Reported	11/02/2015	pH	8.8	6.5-8.5	-
Published	16/02/2015	BOD	7	20	mg/L
		Suspended Solids	23	30	mg/L
		Conductivity	696	-	µS/cm
		Faecal Coliforms	120	-	cfu/100ml



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		Quantity	Measurement	Limit	Units
		Nitrate + Nitrite	0.05	-	mg/L
		Nitrogen (ammonia)	0.13	-	mg/L
		Phosphorus (total)	4.1	-	mg/L
		Total Kjeldhal Nitrogen	2.45	-	mg/L
		Chlorophyll 'a'	30	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	3/03/2015	Oil and Grease	<2	10	mg/L
Reported	12/03/2015	pH	8.5	6.5-8.5	-
Published	13/03/2015	BOD	8	20	mg/L
		Suspended Soilds	27	30	mg/L
		Conductivity	697	-	µS/cm
		Faecal Coliforms	140	-	cfu/100ml
		Nitrate + Nitrite	0.06	-	mg/L
		Nitrogen (ammonia)	0.14	-	mg/L
		Phosphorus (total)	9.4	-	mg/L
		Total Kjeldhal Nitrogen	2.64	-	mg/L
		Chlorophyll 'a'	62	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	14/04/2015	Oil and Grease	<2	10	mg/L
Reported	22/04/2015	pH	9	6.5-8.5	-
Published	24/04/2015	BOD	11	20	mg/L
		Suspended Soilds	69	30	mg/L
		Conductivity	585	-	µS/cm
		Faecal Coliforms	430	-	cfu/100ml
		Nitrate + Nitrite	0.05	-	mg/L
		Nitrogen (ammonia)	<0.010	-	mg/L
		Phosphorus (total)	5.9	-	mg/L
		Total Kjeldhal Nitrogen	3.25	-	mg/L
		Chlorophyll 'a'	208	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	5/05/2015	Oil and Grease	<2	10	mg/L
Reported	14/05/2015	pH	9	6.5-8.5	-
Published	15/05/2015	BOD	9	20	mg/L
		Suspended Soilds	78	30	mg/L
		Conductivity	561	-	µS/cm
		Faecal Coliforms	50	-	cfu/100ml
		Nitrate + Nitrite	0	-	mg/L
		Nitrogen (ammonia)	0	-	mg/L
		Phosphorus (total)	6.6	-	mg/L
		Total Kjeldhal Nitrogen	3.2	-	mg/L
		Chlorophyll 'a'	158	-	µg/L
		Quantity	Measurement	Limit	Units



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		Quantity	Measurement	Limit	Units
Sampled	2/06/2015	Oil and Grease	<2	10	mg/L
Reported	12/06/2015	pH	8.9	6.5-8.5	-
Published	12/06/2015	BOD	10	20	mg/L
		Suspended Soilds	80	30	mg/L
		Conductivity	577	-	µS/cm
		Faecal Coliforms	524	-	cfu/100ml
		Nitrate + Nitrite	0	-	mg/L
		Nitrogen (ammonia)	<0.010	-	mg/L
		Phosphorus (total)	6.5	-	mg/L
		Total Kjeldhal Nitrogen	3.7	-	mg/L
		Chlorophyll 'a'	166	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	7/07/2015	Oil and Grease	<2	10	mg/L
Reported	20/07/2015	pH	7.8	6.5-8.5	-
Published	22/07/2015	BOD	2	20	mg/L
		Suspended Soilds	8	30	mg/L
		Conductivity	641	-	µS/cm
		Faecal Coliforms	68	-	cfu/100ml
		Nitrate + Nitrite	0.45	-	mg/L
		Nitrogen (ammonia)	1.7	-	mg/L
		Phosphorus (total)	5.8	-	mg/L
		Total Kjeldhal Nitrogen	3.05	-	mg/L
		Chlorophyll 'a'	3	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	4/08/2015	Oil and Grease	<2	10	mg/L
Reported	17/08/2015	pH	7.8	6.5-8.5	-
Published	18/08/2015	BOD	<2	20	mg/L
		Suspended Soilds	17	30	mg/L
		Conductivity	577	-	µS/cm
		Faecal Coliforms	170	-	cfu/100ml
		Nitrate + Nitrite	1.06	-	mg/L
		Nitrogen (ammonia)	0.93	-	mg/L
		Phosphorus (total)	3.7	-	mg/L
		Total Kjeldhal Nitrogen	2.44	-	mg/L
		Chlorophyll 'a'	3	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	2/09/2015	Oil and Grease	<2	10	mg/L
Reported	7/09/2015	pH	7.9	6.5-8.5	-
Published	9/09/2015	BOD	2	20	mg/L
		Suspended Soilds	28	30	mg/L
		Conductivity	561	-	µS/cm
		Faecal Coliforms	113	-	cfu/100ml



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		Quantity	Measurement	Limit	Units
		Nitrate + Nitrite	0.92	-	mg/L
		Nitrogen (ammonia)	1.4	-	mg/L
		Phosphorus (total)	3.3	-	mg/L
		Total Kjeldhal Nitrogen	3.08	-	mg/L
		Chlorophyll 'a'	5	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	13/10/2015	Oil and Grease	3	10	mg/L
Reported	27/10/2015	pH	7.9	6.5-8.5	-
Published	3/11/2015	BOD	14	20	mg/L
		Suspended Solids	65	30	mg/L
		Conductivity	665	-	µS/cm
		Faecal Coliforms	970	-	cfu/100ml
		Nitrate + Nitrite	0.81	-	mg/L
		Nitrogen (ammonia)	1.8	-	mg/L
		Phosphorus (total)	4.6	-	mg/L
		Total Kjeldhal Nitrogen	4.49	-	mg/L
		Chlorophyll 'a'	14	-	µg/L