



Delungra Sewage Treatment Plant

Sampling Point: Discharge Point		EPL No. 4114			
Licence Period 15 October 2020 to 14 October 2021		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	5/11/2020	Oil and Grease	<5	10	mg/L
Reported	16/11/2020	pH	7.9	6.5-8.5	-
Published	24/11/2020	BOD	7	20	mg/L
		Suspended Solids	16	30	mg/L
		Conductivity	775	-	µS/cm
		Faecal Coliforms	~190	-	cfu/100ml
		Nitrate + Nitrite	0.16	-	mg/L
		Nitrogen (ammonia)	5.88	-	mg/L
		Phosphorus (total)	6.42	-	mg/L
		Total Kjeldhal Nitrogen	7.64	-	mg/L
		Chlorophyll 'a'	12	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	1/12/2020	Oil and Grease	<5	10	mg/L
Reported	14/12/2020	pH	8.9	6.5-8.5	-
Published	15/12/2020	BOD	14	20	mg/L
		Suspended Solids	43	30	mg/L
		Conductivity	810	-	µS/cm
		Faecal Coliforms	~560	-	cfu/100ml
		Nitrate + Nitrite	0.24	-	mg/L
		Nitrogen (ammonia)	0.67	-	mg/L
		Phosphorus (total)	4.87	-	mg/L
		Total Kjeldhal Nitrogen	5.16	-	mg/L
		Chlorophyll 'a'	307	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	5/01/2021	Oil and Grease	<5	10	mg/L
Reported	14/01/2021	pH	8.2	6.5-8.5	-
Published	28/01/2021	BOD	12	20	mg/L
		Suspended Solids	48	30	mg/L
		Conductivity	629	-	µS/cm
		Faecal Coliforms	5100	-	cfu/100ml
		Nitrate + Nitrite	0.19	-	mg/L
		Nitrogen (ammonia)	3.41	-	mg/L
		Phosphorus (total)	6.63	-	mg/L
		Total Kjeldhal Nitrogen	6.31	-	mg/L
		Chlorophyll 'a'	371	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	2/02/2021	Oil and Grease	<5	10	mg/L
Reported	9/02/2021	pH	8.7	6.5-8.5	-
Published	15/02/2021	BOD	15	20	mg/L
		Suspended Solids	35	30	mg/L
		Conductivity	618	-	µS/cm
		Faecal Coliforms	4000	-	cfu/100ml



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
		Nitrate + Nitrite	0.05	-	mg/L
		Nitrogen (ammonia)	0.67	-	mg/L
		Phosphorus (total)	5.98	-	mg/L
		Total Kjeldhal Nitrogen	5.75	-	mg/L
		Chlorophyll 'a'	278	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	2/03/2021	Oil and Grease	<5	10	mg/L
Reported	15/03/2021	pH	8.8	6.5-8.5	-
Published	17/03/2021	BOD	14	20	mg/L
		Suspended Solids	39	30	mg/L
		Conductivity	588	-	µS/cm
		Faecal Coliforms	~750	-	cfu/100ml
		Nitrate + Nitrite	0.05	-	mg/L
		Nitrogen (ammonia)	0.17	-	mg/L
		Phosphorus (total)	4.41	-	mg/L
		Total Kjeldhal Nitrogen	4.15	-	mg/L
		Chlorophyll 'a'	462	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	13/04/2021	Oil and Grease	<5	10	mg/L
Reported	24/04/2021	pH	8.3	6.5-8.5	-
Published	27/04/2021	BOD	8	20	mg/L
		Suspended Solids	26	30	mg/L
		Conductivity	480	-	µS/cm
		Faecal Coliforms	370	-	cfu/100ml
		Nitrate + Nitrite	0.04	-	mg/L
		Nitrogen (ammonia)	0.06	-	mg/L
		Phosphorus (total)	6.41	-	mg/L
		Total Kjeldhal Nitrogen	4.06	-	mg/L
		Chlorophyll 'a'	204	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	11/05/2021	Oil and Grease	<5	10	mg/L
Reported	20/05/2021	pH	7.9	6.5-8.5	-
Published	25/05/2021	BOD	12	20	mg/L
		Suspended Solids	20	30	mg/L
		Conductivity	544	-	µS/cm
		Faecal Coliforms	5000	-	cfu/100ml
		Nitrate + Nitrite	0.03	-	mg/L
		Nitrogen (ammonia)	2.78	-	mg/L
		Phosphorus (total)	6.66	-	mg/L
		Total Kjeldhal Nitrogen	6.07	-	mg/L
		Chlorophyll 'a'	82	-	µg/L
		Quantity	Measurement	Limit	Units



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
Sampled	1/06/2021	Oil and Grease	<5	10	mg/L
Reported	9/06/2021	pH	7.9	6.5-8.5	-
Published		BOD	5	20	mg/L
		Suspended Soilds	5	30	mg/L
		Conductivity	620	-	µS/cm
		Faecal Coliforms	140	-	cfu/100ml
		Nitrate + Nitrite	0.12	-	mg/L
		Nitrogen (ammonia)	6.3	-	mg/L
		Phosphorus (total)	5.94	-	mg/L
		Total Kjeldhal Nitrogen	7.18	-	mg/L
		Chlorophyll 'a'	3	-	µg/L
			Quantity	Measurement	Limit
Sampled	6/07/2021	Oil and Grease	11	10	mg/L
Reported	14/07/2021	pH	7.9	6.5-8.5	-
Published	22/07/2021	BOD	6	20	mg/L
		Suspended Soilds	19	30	mg/L
		Conductivity	574	-	µS/cm
		Faecal Coliforms	350	-	cfu/100ml
		Nitrate + Nitrite	0.28	-	mg/L
		Nitrogen (ammonia)	7.56	-	mg/L
		Phosphorus (total)	3.82	-	mg/L
		Total Kjeldhal Nitrogen	8.82	-	mg/L
		Chlorophyll 'a'	12	-	µg/L
			Quantity	Measurement	Limit
Sampled	3/08/2021	Oil and Grease	<5	10	mg/L
Reported	11/08/2021	pH	8	6.5-8.5	-
Published	26/08/2021	BOD	8	20	mg/L
		Suspended Soilds	4	30	mg/L
		Conductivity	552	-	µS/cm
		Faecal Coliforms	470	-	cfu/100ml
		Nitrate + Nitrite	0.99	-	mg/L
		Nitrogen (ammonia)	6.01	-	mg/L
		Phosphorus (total)	1.36	-	mg/L
		Total Kjeldhal Nitrogen	7.81	-	mg/L
		Chlorophyll 'a'	4	-	µg/L
			Quantity	Measurement	Limit
Sampled	7/09/2021	Oil and Grease	<5	10	mg/L
Reported	20/09/2021	pH	8	6.5-8.5	-
Published	27/09/2021	BOD	6	20	mg/L
		Suspended Soilds	12	30	mg/L
		Conductivity	596	-	µS/cm
		Faecal Coliforms	~190	-	cfu/100ml



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		Monitoring Frequency - Monthly			
		Quantity	Measurement	Limit	Units
		Nitrate + Nitrite	1.1	-	mg/L
		Nitrogen (ammonia)	6.3	-	mg/L
		Phosphorus (total)	1.34	-	mg/L
		Total Kjeldhal Nitrogen	7.5	-	mg/L
		Chlorophyll 'a'	15	-	µg/L
		Quantity	Measurement	Limit	Units
Sampled	5/10/2021	Oil and Grease	<5	10	mg/L
Reported	13/10/2021	pH	7.9	6.5-8.5	-
Published	25/10/2021	BOD	6	20	mg/L
		Suspended Solids	21	30	mg/L
		Conductivity	591	-	µS/cm
		Faecal Coliforms	~610	-	cfu/100ml
		Nitrate + Nitrite	0.69	-	mg/L
		Nitrogen (ammonia)	4.53	-	mg/L
		Phosphorus (total)	2.84	-	mg/L
		Total Kjeldhal Nitrogen	6.31	-	mg/L
		Chlorophyll 'a'	18	-	µg/L