

Gwydir Shire Council

Warialda Sewerage Treatment Plant - EPA License 584 - Yearly Summary

Point 2: Yearly Summary 1st November 2015 to 31st October 2016

Pollutant	Units	90 percentile concentration limit	Monitoring Frequency required by the License	Number of data points for the year	Minimum value	Maximum value	Mean	Exceedences	Count of 90 percentile exceedences	Excedence acceptable limit	Comments
Biochemical oxygen demand (BOD)	mg/L	20	monthly	12	6	25	11.8	yes	2	1	Exceedences due to algae within the tertiary ponds
Total suspended solids (TSS)	mg/L	30	monthly	12	3	65	25	yes	3	1	Exceedences due to algae within the tertiary ponds
Oil and Grease	mg/L	10	monthly	12	5	5	5	No	0	1	within 90% concentration limits
pH	pH		monthly	12	7.9	9.3	8.8				
Conductivity	ms/cm		monthly	12	0.67	1.04	0.88				
nitrogen)	mg/L		monthly	12	0.08	1.6	0.35				
Nitrogen (ammonia)	mg/L		monthly	12	0.2	7.8	3.4				
Phosphorous	mg/L		monthly	12	3	5.7	4.1				
Total Kjeldahl Nitrogen	mg/L		monthly	12	1.3	7.8	3.2				
Faecal Coliforms	CFU/100ml		monthly	12	1	340	30				

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Point 2: Yearly Summary 1st November 2016 to 31st October 2017

Pollutant	Units	90 percentile concentration limit	Monitoring Frequency required by the License	Number of data points for the year	Minimum value	Maximum value	Mean	Exceedences	Count of 90 percentile exceedences	Excedence acceptable limit	Comments
Biochemical oxygen demand (BOD)	mg/L	20	monthly	12	2	42	6.5	yes	1	1	within 90% concentration limits
Total suspended solids (TSS)	mg/L	30	monthly	12	7	43	22	yes	3	1	Exceedences due to algae within the tertiary ponds
Oil and Grease	mg/L	10	monthly	12	5	5	5	No	0	1	No exceedences
pH	pH		monthly	12	8.8	9.7	9.3				
Conductivity	ms/cm		monthly	12	0.71	1.16	0.85				
Nitrate+nitrite (oxidised nitrogen)	mg/L		monthly	12	0	0.3	0.1				
Nitrogen (ammonia)	mg/L		monthly	12	0	18	1.5				
Phosphorous	mg/L		monthly	12	1.7	4.17	2.2				
Total Kjeldahl Nitrogen	mg/L		monthly	12	1.1	24.4	3.6				
Faecal Coliforms	CFU/100ml		monthly	12	2	72	6.9				

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Warialda Sewerage Treatment Plant - EPA License 584 - Yearly Summary

Point 2: Yearly Summary 1st November 2017 to 31st October 2018

Pollutant	Units	90 percentile concentration limit	Monitoring Frequency required by the License	Number of data points for the year	Minimum value	Maximum value	Mean	Exceedences	Count of 90 percentile exceedences	Excedence acceptable limit	Comments
Biochemical oxygen demand (BOD)	mg/L	20	monthly	12	2	35	11	yes	1	1	within 90% concentration limits
Total suspended solids (TSS)	mg/L	30	monthly	12	10	27	71	yes	3	1	Exceedences due to algae within the tertiary ponds
Oil and Grease	mg/L	10	monthly	12	5	11	5	yes	0	1	No exceedences
pH	pH		monthly	12	8.2	10	9.3				
Conductivity	ms/cm		monthly	12	0.76	1.04	0.89				
Nitrate+nitrite (oxidised nitrogen)	mg/L		monthly	12	0.1	0.73	0.23				

