



Canowindra Sewage Treatment Plant EPL No. 1750 Monitoring Results

Reporting Period: 2019/2020

Canowindra Sewage Treatment Plant Complaints for the reporting month

Monitoring Results

Number of complaints	0
Pollution complaint category	0
Air	0
Water	0
Noise	0
Waste	0
Other	0

Discharge & Monitoring Point 1

Discharge to waters discharge quality monitoring, discharge from maturation pond into channel leading to Belubula River.

Monitoring Results – Nil Discharge

Discharge & Monitoring Point 3: Discharge to utilisation area - Canowindra Golf Club Dam

Reporting Period 1/5/2019-30/4/2020

No of samples required by license: 2 / year

Monitoring Results

Pollutant	Limits	Units of measure	6 monthly Results 4/6/2019	6 monthly Results 25/12/2019	Additional test
					4/2/2020
W/N			1903761	1093761	2000910
BOD	30	mg/L	<2	<2	24
Nitrogen (total)	30	mg/L	7.7	10.6	5.2
Oil & Grease		mg/L	3	<2	3
Phosphorus (total)	10	mg/L	6.4	5.12	1.74
Sodium Absorption Ratio		mg/L	2.86	2.93	4.48
Exceedance Yes / No			no	no	no

Discharge & Monitoring Point 5 - Effluent quality monitoring, Final Maturation Pond

Reporting Period 1/5/2019-30/4/2020

No of samples required by license: 2 / year (every 6 months)

Monitoring Results

Pollutant	Units of measure	6 monthly Results 4/6/2019 w/n 1903761	6 monthly Results 29/4/2020 w/n 2003776	Mean
BOD	mg/L	8	12	10
Nitrogen (total)	mg/L	26.4	18.8	22.6
Oil & Grease	mg/L	2	<2	2
Phosphorus (total)	mg/L	8	6.6	7.3
Sodium Absorption Ratio	mg/L	2.63	3.14	2.9

Monitoring Point 6 – Effluent re-use area, soil monitoring “Cadman Property”

Reporting Period 1/5/2019-30/4/2020

No of samples required by license: 1 / year

Monitoring Results

Pollutant	Units of measure	No of samples required by license	No of samples you collected and analysed	Lowest Sample Value	Mean of Sample	Highest Sample Value
Available Phosphorus	mg/Kg	1/year	1	180	180	180
Conductivity	mS/cm	1/year	1	0.06	0.07	0.08
Exchangeable sodium percentage	%	1/year	1	3	6.3	9.6
Nitrate	mg/Kg	1/year	1	4.1	4.1	4.1
pH	pH	1/year	1	7.6	7.7	7.8

Monitoring Point 7 – Effluent re-use area, soil monitoring Canowindra Golf Course/Clyburn Oval

Reporting Period 1/5/2019-30/4/2020

No of samples required by license: 1 / year

Monitoring Results

Pollutant	Units of measure	No of samples required by license	No of samples you collected and analysed	Lowest Sample Value	Mean of Sample	Highest Sample Value
Available Phosphorus	mg/Kg	1/year	1	18	93.6	140
Conductivity	mS/cm	1/year	1	140	329	640
Exchangeable sodium percentage	%	1/year	1	3.7	8.73	14
Nitrate	mg/Kg	1/year	1	6.9	12.7	21
pH	pH	1/year	1	7	7.75	8.4

Monitoring Point 8 – Belubula River 100m downstream of Discharge Point 1

Reporting Period 1/5/2019-30/4/2020

Monitoring Results – Monthly when discharging

Pollutant	Units of Measure	
BOD	mg/L	Nil discharge
Conductivity	mS/cm	
Faecal Coliforms	CFU/100 ml	
Nitrate+ Nitrite (oxidised nitrogen)	mg/L	
Nitrogen (ammonia)	mg/L	
Nitrogen (total)	mg/L	
Oil and Grease	mg/L	
pH	pH	
Phosphorus (total)	mg/L	
Total suspended solids	mg/L	

Monitoring Point 9 – Belubula River 500m upstream of Discharge Point 1 at Fisherman’s Bend

Reporting Period 1/5/2019-30/4/2020

Monitoring Results – Monthly when discharging

Pollutant	Units of Measure	
BOD	mg/L	Nil discharge
Conductivity	mS/cm	
Faecal Coliforms	CFU/100 ml	
Nitrate+ Nitrite (oxidised nitrogen)	mg/L	
Nitrogen (ammonia)	mg/L	
Nitrogen (total)	mg/L	
Oil and Grease	mg/L	
pH	pH	
Phosphorus (total)	mg/L	
Total suspended solids	mg/L	

B3 VOLUME OR MASS MONITORING SUMMARY

Reporting Period 1/5/2019-30/4/2020

Discharge & Monitoring Point 1

Discharge to waters Discharge quality monitoring – Daily during discharge

Unit of Measure	
Kl per day	Nil Discharge

Discharge & Monitoring Point 2

Volume monitoring – Downstream of humus tank - Daily during discharge

Unit of Measure	No of measurements	Low	Mean	High
Kl per day	362	146	272	859

Discharge & Monitoring Point 4

Discharge to utilisation area

Volume monitoring–Cadman Property – Daily during discharge

Unit of Measure	No of measurements	Low	Mean	High
Kl per day	63	0	16	87

