



Canowindra Sewage Treatment Plant EPL No. 1750 Monitoring Results (1/05/2022 to 31/04/2023)

Monitoring results-complaints

Month Description	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
Total Number of Complaints	0	0	0	0	0	0	0	0	0	0	0	0
Pollution complaint category	0	0	0	0	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0	0	0
Noise	0	0	0	0	0	0	0	0	0	0	0	0
Waste	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0

Monitoring concentration of pollutants Discharged (Point 1,3,5,6,7,8 and 9)

Monitoring Point 1-Maturation pond to channel leading Belubula river
 No. of samples required by Licence: Monthly during discharge
 No. of times collected and analysed: 1/Mo

Monitoring Results-Polutants

Pollutant	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Lowest Sample value	Mean Sample value	Highest Sample value	Limits
BOD		2	9	10	8	7	9	3					2	6.8571	10	30
Faecal Coliforms		400	2700	360	3600	38000	16000	9100					360	10023	38000	600
Nitrogen (total)		25	22.8	25.4	18.2	12.4	10	1.2					1.2	16.429	25.4	30
Oil & Grease		2	3	2	2	2	2	2					2	2.1429	3	10
pH		7.62	7.55	7	7.43	7.54	7.41	8					7.41	7.58	8	6.5- 8.5
Phosphorus (Total)		4.92	5.88	4.84	3.44	3.06	2.1	0.4					0.4	3.52	5.88	10
TSS		28	10	7		200	16	35					7	49.333	200	50
Nitrite		0.64	0.29	0.52	0.51	0.3		0.05					0.05	0.385	0.64	
Nitrate		9.09	6.78	7.22	6.7	3.13		0.86					0.86	5.63	9.09	
Conductivity		664	712	701		627	576	767					576	674.5	767	
Ammonia		11.3	15.4	12.4	8.49	6.44	2.84	0.15					0.15	8.1457	15.4	
Exceedance Yes / No		N	Y	N	Y	Y	Y	Y								

COMMENTS
 No results May due to nil discharge
 No results January due to nil discharge
 No results February due to nil discharge
 No results March due to nil discharge
 No results April due to nil discharge

Reason for Exceedance: Excessive bird life on pond. High Rain events.

Monitoring Point 8- Belubula river 100 m d/s of discharge Point 1
 No. of samples required by Licence: 1/mo during discharge
 No. of times collected and analysed: 8

Monitoring Results-Polutants

Pollutant	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Lowest Sample value	Mean Sample value	Highest Sample value	Limits
BOD		2	4	3	2	2	3	8		2	2	2	2	3	8	30
Conductivity		502	588	382		384	474	668		1040	1080	1040	382	684.22	1080	
Faecal Coliform		200	150	770	160	840	420	540		600	1100	1400	150	618	1400	600
Nitrate+Nitrite (oxidised Nitrogen)										0.76		0.96	0.76	0.86	0.96	10
Nitrite		0.05	0.03	0.05	0.05	0.05		0.8		0.05	0.05	0.05	0.03	0.1311	0.8	
Nitrate		0.51	0.59	0.42	0.59	0.38		1.16		0.76	0.87	0.96	0.38	0.6933	1.16	
Nitrogen (Total)		1.2	1	1.9	1.2	0.7	1.4	6.4		1.1	1.2	1.1	0.7	1.72	6.4	30
Oil & Grease		2	2	2	2	2	2	2		2	2	2	2	2	2	10
pH		8.01	8.06	7.96	8.01	7.9	7.77	7.44		8.17	8.21	8.13	7.44	7.966	8.21	6.5-8.5
Phosphorus (Total)		0.1	0.15	0.2	0.11	0.18	0.12	2.58		0.21	0.11	0.16	0.1	0.392	2.58	10
TSS		16	12	155		191	49	6		33	32	25	6	57.667	191	50
Ammonia		0.05	0.08	0.16	0.06	0.06	0.13	3.12		0.05	0.97	0.36	0.05	0.504	3.12	
Exceedance Yes / No		N	N	Y	N	Y	N	N		N	Y	Y				

COMMENTS
 No results May
 No results January due to nil discharge

Reason for Exceedance: Excessive Bird life

Monitoring Point 9- Belubula river 500m u/s of discharge point 1 at Fisherman's bend
 No. of samples required by Licence: When Discharging
 No. of times collected and analysed: 1/Mo

Monitoring Results-Polutants

Pollutant	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Lowest Sample value	Mean Sample value	Highest Sample value	Limits
BOD		2	2	4	2	2	3	2		2	2	2	2	2.3	4	30
Conductivity		503	582	374		377	470	776		1040	1070	613	374	645	1070	
Faecal Coliforms		220	100	910	140	820	250	250		400	800	800	100	469	910	600
Nitrate+ Nitrite										0.78		0.96	0.78	0.87	0.96	
Nitrite		0.05	0.03	0.05	0.05	0.05		0.05		0.05	0.05	0.05	0.03	0.0478	0.05	
Nitrate		0.49	0.59	0.39	0.59	0.37		0.83		0.78	0.94	0.96	0.37	0.66	0.96	
Nitrogen (Amonia)		0.05	0.05	0.1	0.07	0.05	0.1	0.17		0.05	0.05	0.05	0.05	0.074	0.17	
Nitrogen (Total)		1.1	1	1.9	1.2	1.5	1.4	1.2		1.1	1.1	1.1	1	1.26	1.9	30
Oil & Grease		2	2	2	2	2	2	2		2	2	2	2	2	2	10
pH		8.04	8.04	7.99	8.06	7.95	7.84	8.05		8.18	8.22	7.92	7.84	8.029	8.22	6.5-8.5
Phosphorus (Total)		0.07	0.06	0.17	0.06	0.13	0.1	0.09		0.09	0.13	0.07	0.06	0.097	0.17	10

TSS		14	8	167		27	49	21		23	34	26	8	41	167	50
Sodium Absorption		1.1	1.13		1.03	0.87		1.14			1.33		0.87	1.1	1.33	
Exceedance Yes / No		N	N	Y	N	Y	N	N		N	Y	Y				

COMMENTS	No results May
	No results January due to nil discharge

Reason for Exceedance: Excessive birdlife

Monitoring Volume or Mass (Point 1,2 and 4)

Monitoring Point 1-
 No. of samples required by Licence: Daily during discharge
 No. of times collected and analysed: when discharged

Month	Lowest sample value (KL)	Mean sample value(KL)	Highest sample value (KL)
May	0	0	0
June	0	246	451
July	158	327	774
August	280	493	1277
September	393	827	2137
October	344	820	2088
November	505	1174	2798
December	0	194	412
January	0	0	0
February	0	0	0
March	0	0	0
April	0	0	0

FLOOD EVENT NOV 2022

Monitoring Point 2- d/s of humus tank-daily during discharge
 No. of samples required by Licence: Daily
 No. of times collected and analysed: Daily

Month	Lowest sample value (KL)	Mean sample value(KL)	Highest sample value (KL)
May	233	408	518
June	150	313	451
July	261	356	741
August	298	504	1177
September	411	794	2008
October	478	850	1931
November	528	1245	3443
December	150	347	783
January	180	282	349
February	183	275	651
March	187	381	1029
April	289	404	1500

FLOOD EVENT NOV 2022