Canowindra Sewage Treatment Plant EPL No. 1750 Monitoring Results (1/05/2024 to 31/04/2025)

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				
Pollution complaint category	0	0	0	0	0	0	0	0				
Air	0	0	0	0	0	0	0	0				
Water	0	0	0	0	0	0	0	0				
Noise	0	0	0	0	0	0	0	0				
Waste	0	0	0	0	0	0	0	0				
Other	0	0	0	0	0	0	0	0				

Monitoring concentration of pollutants Discharged (Point 1,3,5,7,8 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
	WN2406181-001 21/5/2024	WN2406780-001 03/06/2024	EN2405999-001 01/07/2024	EN2409455-001 21/08/2024	EN2410250-001 03/09/2024	EN2412052-001 01/10/2024										
BOD	43	11	13	4	7	4							4	13.667	43	30
Faecal Coliforms	400	300	1700	20	2700	130							20	875	2700	600
Nitrogen (total)	20.3	24.7	23.6	4.4	19.5	20.2							4.4	18.783	24.7	30
Oil & Grease	2	2	2	2	2	2							2	2	2	10
pH	8.82	7.76	7.7	8.03	7.78	7.79							7.76	8.036	8.82	6.5- 8.5
Phosphorus (Total)	5.76	6.06	5.43	2.76	5.46	6.32							2.76	5.2983	6.32	10
TSS	43	15	6	14	9	7							6	15.667	43	50
Nitrite	5.06	1	0.66	1.91	0.61	0.51							0.51	1.625	5.06	
Nitrate	5.24	6.34	4.06	0.56	4.38	4.14							0.56	4.12	6.34	
Conductivity	578	661	735	583	772	777							578	684.33	777	
Ammonia	3.85	10.4	17.4	0.31	12.6	12.2							0.31	9.46	17.4	
Exceedance Yes / No	Y	N	Y	N	Y	N										
Reason For Exceedence/Comments	Continue to monitor		Continue to monitor		Continue to monitor		No results due to nil discharge	No results due to nil discharge								

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
	WN2405545-001 07/05/2024	WN2406780-002 03/06/2024	EN2405999-002 01/07/2024	EN2409455-002 21/08/2024	EN2410250-002 03/09/2024	EN2412052-002 01/10/2024										
BOD	4	2	3	3	2	2							2	2.6667	4	30
Conductivity	1180	1140	783	490	714	833							490	856.67	1180	
Feacal Coliform	500	100	1600	140	250	190							100	463.33	1600	600
Nitrate+Nitrite (oxidised Nitrogen)													0	#DIV/0!	0	10
Nitrite	0.05	0.05	0.05	0.05	0.05	0.05							0.05	0.05	0.05	
Nitrate	0.34	0.45	0.45	0.45	0.28	0.34							0.28	0.385	0.45	
Nitrogen (Total)	0.6	0.6	1.4	1.5	0.7	0.8							0.6	0.9333	1.5	30
Oil & Grease	2	2	2	2	2	2							2	2	2	10
pH	8.19	8.21	7.99	7.96	8.13	8.1							7.96	8.0967	8.21	6.5-8.5
Phosphorus (Total)	0.05	0.06	0.21	0.09	0.08	0.08							0.05	0.095	0.21	10
TSS	10	8	125	56	11	19							8	38.167	125	50
Ammonia	0.09	0.09	0.08	0.07	0.05	0.05							0.05	0.0717	0.09	
Exceedance Yes / No	N	N	Y	Y	N	N										
Reason for Exceedence/Comments			Continue to monitor	Continue to monitor			No results due to nil discharge	No results due to nil discharge								

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
	WN2405545-002 07/05/2024	WN2406780-002 03/06/2024	EN2405999-003 01/07/2024	EN2409455-003 21/08/2024	EN2410250-003 03/09/2024	EN2412052-003 01/10/2024		EN2416060-001 04/12/2025								
BOD	2	2	3	3	2	2		2					2	2.2857	3	30
Conductivity	1180	1130	766	489	719	833		645					489	823.14	1180	
Faecal Coliforms	350	150	2000	110	220	140		10					10	425.71	2000	600
Nitrate+ Nitrite													0	#DIV/0!	0	
Nitrite	0.05	0.05	0.05	0.05	0.05	0.05		0.05					0.05	0.05	0.05	
Nitrate	0.33	0.45	0.45	0.44	0.28	0.28		0.42					0.28	0.3786	0.45	
Nitrogen (Amonia)	0.05	0.05	0.05	0.05	0.05	0.05		0.05					0.05	0.05	0.05	
Nitrogen (Total)	0.6	0.6	1.3	1.4	0.7	0.8		1.3					0.6	0.9571	1.4	30
Oil & Grease	2	2	2	2	2	2		2					2	2	2	10
pH	8.13	8.23	8.07	7.99	8.13	8.12		6.57					6.57	7.8914	8.23	6.5-8.5
Phosphorus (Total)	0.05	0.05	0.17	0.08	0.06	0.05		4.4					0.05	0.6943	4.4	10
TSS	9	8	125	52	13	18		36					8	37.286	125	50

Sodium Absorption	1.9	1.57	1.34	1.09	1.21	1.25		2.43					1.09	1.5414	2.43	
Exceedance Yes / No	N	N	Y	Y	N	N		N								
Reason for Exceedence/Comments			Continue to monitor	Continue to monitor			No results due to nil discharge									

Monitoring Volume or Mass (Point 1 & 2)

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

Month	Unit of Measure	No of measurements made	Lowest sample value (KL)	Mean sample value(KL)	Highest sample value (KL)
May	KL/Day	31	0	122	509
June	KL/Day	29	239	414	901
July	KL/Day	30	227	424	791
August	KL/Day	31	0	196	762
September	KL/Day	29	8	243	426
October	KL/Day	31	0	130	416
November	KL/Day	0	0	0	0
December	KL/Day	0	0	0	0
January	KL/Day				
February	KL/Day				
March	KL/Day				
April	KL/Day				

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

Month	Unit of Measure	No of measurements made	Lowest sample value (KL)	Mean sample value(KL)	Highest sample value (KL)
May	KL/Day	31	256	344	508
June	KL/Day	29	304	474	853
July	KL/Day	29	222	477	875
August	KL/Day	31	276	441	611
September	KL/Day	29	286	338	562
October	KL/Day	31	248	311	446
November	KL/Day	29	208	379	1588
December	KL/Day	31	242	430	1360
January	KL/Day				
February	KL/Day				
March	KL/Day				
April	KL/Day				