



Molong Sewage Treatment Plant EPL No. 1623 Monitoring Results (1/04/2023 to 31/03/2024)

Monitoring results-complaints

Month Description	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
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 Point 1
 No. of samples required by Licence: 1/mo
 No. of times collected and analysed: 1/Mo

Monitoring Results-Polutants

Pollutant	Date Unit	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Lowest Sample	Mean Sample	Highest Sample	Limits
		3/04/2023 WN2304221-002	02/05/2023 WN2305521-002	05/06/2023 WN2307068-002	03/07/2023 WN2308224-002	07/08/2023 WN2309627-002	04/09/2023 WN2310724-002	16/10/2023 WN2312433-001	06/11/2023 WN2313274-002	04/12/2023 WN2314454-002	2/01/2024 WN2400064-002	27/02/2024 WN2402460-002	5/03/2024 WN2402785-002				
BOD	mg/L	3	10	5	2	3	4	4	6	21	8	10	10	2	7.166667	21	30
Faecal Coliforms	CFU/100ml	240	9	9	72	210	300	1	80	600	50	30	100	1	141.75	600	600
Nitrogen (total)	mg/L	4.9	5.5	4	3.5	4.7	4.5	3.7	2.3	1.7	1.7	4.1	2.9	1.7	3.6	5.5	15
Oil & Grease	mg/L	2	2	2	2	2	2	3	2	2	2	2	2	2	2.083333	3	10
pH	pH	8.1	8.64	7.82	7.93	7.85	8	8.05	8.31	8.37	9.27	8.76	9.05	7.82	8.35	9.27	6.5-8.5
Phosphorus (Total)	mg/L	1.28	1.52	1.57	1.49	1.4	1.67	2.11	2.37	1.1	6.74	1.92	1.52	1.1	2.06	6.74	10
Total Kjeldahl Nitrogen	mg/L	1.8	1.4	2.3	1.4	1.8	1.1	1.9	1.4	1.7	1.7	3.9	2.9	1.1	1.94	3.9	10
TSS	mg/L	10	36	9	5	13	9	8	18	38	28	30	36	5	20.00	38	50
Exceedance Yes / No		N	Y	N	N	N	N	N	N	N	Y	Y	Y				
Reason for Exceedance:			A result of the warmer weather and algal blooms								A result of the warmer weather and algal blooms	A result of the warmer weather and algal blooms	A result of the warmer weather and algal blooms				

Monitoring Point 1
 No. of samples required by Licence: 1/day
 No. of times collected and analysed: 1/day

Monitoring Results-Volume Discharged

Month	Unit of Measure	No of measurements made	Lowest results	Mean result	Highest Sample Value	Limits (KL/day)	Times daily limit was exceeded in the month
APR	KL/Day	30	637	856	914	900	2
MAY	KL/Day	31	529	802	966	900	1
JUN	KL/Day	30	476	665	895	900	0
JUL	KL/Day	31	482	725	900	900	0
AUG	KL/Day	31	214	796	1005	900	5
SEP	KL/Day	30	686	882	1477	900	6
OCT	KL/Day	31	571	792	893	900	0
NOV	KL/Day	30	502	738	940	900	1
DEC	KL/Day	31	379	630	835	900	0
JAN	KL/Day	31	490	634	861	900	0
FEB	KL/Day	29	187	594	981	900	1
MAR	KL/Day	19	335	582	777	900	0
		354	187	724.66667	1477		

Monitoring Point 3: 200m d/s
 of point 1 in Molong Creek
 No. of sample require: 1/year
 No. of sample collected and analysed: 1/Yr

Monitoring Results-Polutants

Pollutant	Unit	5/03/2024 WN2402785-003	Limits
BOD	mg/L	2	30
Faecal Coliforms	CFU/100ml	800	600
Nitrogen (total)	mg/L	1.1	15
Oil & Grease	mg/L	2	10
pH	pH	7.95	6.5-8.5
Phosphorus (total)	mg/L	0.05	10
Total Kjeldahl Nitrogen	mg/L	0.3	10
TSS	mg/L	5	50
Reason For Exceedance			

Monitoring Point 4: 100m u/s
 of point 1 in Molong Creek
 No. of sample require: 1/year
 No. of sample collected and analysed: 1/Yr
 No. of sample collected and analysed: 1/Yr

Monitoring Results-Polutants

Pollutant	Units	5/03/2024 WN2402785-004	Limits
BOD	mg/L	2	30
Faecal Coliforms	CFU/100ml	1000	600
Nitrogen (total)	mg/L	1.2	15
Oil & Grease	mg/L	2	10

pH	pH	7.9	6.5-8.5
Phosphorus (total)	mg/L	0.05	10
Total Kjeldahl Nitrogen	mg/L	0.4	10
TSS	mg/L	7	50
Reason For Exceedence			