



Molong Sewage Treatment Plant EPL No. 1623 Monitoring Results

Molong Sewage Treatment Plant Complaints for the reporting period 2021/22

Monitoring Results

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

License Discharge Point 1

Reporting Period: 2021/22

No of samples required by license: 1/Month

No of times collected and analysed: 1/Month

Monitoring Results

Pollutant	Units of measure	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Lowest sample value	Mean sample value	Highest sample value	Limits
		7.4.2021 WN 21040866	11.5.21 WN2105603	8.6.21 WN2106728	13.7.21 WN2107979-002	16.8.21 WN210921 0-002	14.9.21 WN211054 8	12.10.21 WN211191 3	16.11.21 WN211337 4	08.12.21 WN211434 1-002	17.01.22 WN220064 5-002	08.02.22 WN220141 3-002	22.03.2022 WN220341 6-002				
BOD	mg/L	8	3	3	5	5	30	4	4	38	14	10	8	3	36	608	30
Faecal Coliforms	CFU/100 ml	<9	<9	<9	<9	<9	<9	<9	~54	~9	~<9	<9	-	<9	<9	~54	600
Nitrogen (total)	mg/L	5.3	6.5	7.6	8.2	7.1	4.8	6.0	5.9	6.6	2.5	3.3	2.1	2.5		8.2	15
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	10
pH	pH	7.70	7.56	7.63	7.80	7.85	7.57	7.8	8.75	7.21	8.92	8.76	7.76	7.21	7.94	8.92	6.5-8.5
Phosphorus (total)	mg/L	5.55	6.91	6.63	4.55	3.21	2.52	3.94	1.76	2.03	1.10	1.00	2.83	1.0	3.49	6.91	10
Total Kjeldahl Nitrogen	mg/L	4.4	5.6	3.5	3.5	2.3	1.0	2.4	1.0	1.7	2.2	2.6	1.5	1.0	2.64	5.6	10
TSS	mg/L	19	6	8	<5	25	22	8	12	32	111	26	28	<5	25.16	111	50
Exceedance Yes / No		N	N	N	N	N	Y	N	Y	Y	Y	Y	N				

Reason for exceedance during the reporting month: Inclement Weather Event

License Discharge Point 1 Volume Discharged

Monitoring Results

Month	Unit of Measure	Frequency	No of measurements made	Lowest results	Mean result	High result	Limits
APR	KL/Day	Daily	30	20	442	624	900KL/Day
MAY	KL/Day	Daily	31	329	423	610	900KL/Day
JUN	KL/Day	Daily	30	397	642	1390	900KL/Day
JUL	KL/Day	Daily	31	91	632	882	900KL/Day
AUG	KL/Day	Daily	31	1	726	3897	900KL/Day
SEP	KL/Day	Daily	30	125	1267	7256	900KL/Day
OCT	KL/Day	Daily	31	473	733	980	900KL/Day
NOV	KL/Day	Daily	30	272	863	1131	900KL/Day
DEC	KL/Day	Daily	31	639	869	900	900KL/Day
JAN	KL/Day	Daily	31	77	709	1555	900KL/Day
FEB	KL/Day	Daily	28	62	676	900	900KL/Day
MAR	KL/Day	Daily	31				900KL/Day

Monitoring Point 3: 200m downstream of Point 1 in Molong Creek

Reporting Period: 2021/22

No of samples required by license: 1 / year

No of times collected and analysed: 1 / year

Monitoring Results

Pollutant	Units of measure	DEC 21/12/21	JAN xx.xx.xx	MAR 08/03/22	Limits	No. of Samples required by licence	No. of Samples you collected and analysed
BOD	mg/L	<2		24	30	1/year	1/year
Faecal Coliforms	CFU/100ml	~200		~730	600	1/year	1/year
Nitrogen (total)	mg/L	1.4		1.4	15	1/year	1/year
Oil & Grease	mg/L	<2		<2	10	1/year	1/year
pH	pH	7.82		7.09	6.5-8.5	1/year	1/year
Phosphorus (total)	mg/L	<0.05		0.25	10	1/year	1/year
Total Kjeldahl Nitrogen	mg/L	0.5		1.4	10	1/year	1/year
TSS	mg/L	10		13	50	1/year	1/year

Reason for exceedance during reporting period:

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Monitoring Point 4: 100m upstream of Point 1 in Molong Creek:

Reporting Period 2021/22

No of samples required by license: 1 / year

No of times collected and analysed: 1 / year

Monitoring Results

Pollutant	Units of measure	DEC 21/12/21	JAN xx.xx.xx	FEB xx.xx.xx	MAR 08/03/22	No. of Samples required by licence
BOD	mg/L	<2			<2	1/year
Faecal Coliforms	CFU/10 0ml	~700			~90	1/year
Nitrogen (total)	mg/L	1.4			2.1	1/year
Oil & Grease	mg/L	<2			<2	1/year
pH	pH	7.80			7.88	1/year
Phosphorus (total)	mg/L	<0.05			0.05	1/year
Total Kjeldahl Nitrogen	mg/L	0.5			<0.1	1/year
TSS	mg/L	10			7	1/year

Reason for exceedance during the reporting period:

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