



## Molong Sewage Treatment Plant EPL No. 1623 Monitoring Results

---

### Molong Sewage Treatment Plant Complaints for the reporting period 2020/21

#### 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	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

## License Discharge Point 1

Reporting Period: 2020/21

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
		15.4.20	4.5.20	1.6.20	14.7.20	3.8.20	22.9.20	13.10.20	30.11.20	22.12.20	19.1.21	24.2.21	23.3.21				
BOD	mg/L	6	8	<2	10	9	6	5	8	63	43	53	11	<2	18.6	63	30
Faecal Coliforms	CFU/100ml	"27	"180	<9	<9	<9	<9	~2	<100	~27	~9	<9	<91	<9	40.08	"180	600
Nitrogen (total)	mg/L	6.6	9.3	14.8	6.8	6.2	12.1	11.6	4.1	2.0	7.5	3.6	6.7	2.0	7.60	14.8	15
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	<2	3	<2	<2	<2	<1	<1	2	<2	10
pH	pH	9.54	9.07	8.68	8.69	7.81	7.74	7.73	9.51	6.85	7.8	10.4	7.67	7.67	8.45	10.4	6.5-8.5
Phosphorus (total)	mg/L	4.45	6.5	6.00	6.23	7.51	6.08	5.42	1.67	4.90	3.94	4.04	4.04	1.67	5.06	6.5	10
Total Kjeldahl Nitrogen	mg/L	3.7	2.3	14.4	3.0	4.8	11.8	11.3	4.1	2.0	7.5	3.6	5.9	2.3	6.39	14.4	10
TSS	mg/L	62	42	10	7	5	8	10	50	31	88	40	35	5	32.33	62	50
Exceedance Yes / No		y	y	y	y	N	y	Y	y	y	y	y	N				

Reason for exceedance during the reporting month: ALGAE BLOOM

## 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	277	386	900	900KL/Day
MAY	KL/Day	Daily	31	228	432	900	900KL/Day
JUN	KL/Day	Daily	30	287	387	719	900KL/Day
JUL	KL/Day	Daily	31	295	521	1027	900KL/Day
AUG	KL/Day	Daily	31	494	658	1003	900KL/Day
SEP	KL/Day	Daily	30	215	605	3594	900KL/Day
OCT	KL/Day	Daily	31	411	559	2024	900KL/Day
NOV	KL/Day	Daily	30	399	404	539	900KL/Day
DEC	KL/Day	Daily	31	334	457	868	900KL/Day
JAN	KL/Day	Daily	31	31	405	840	900KL/Day
FEB	KL/Day	Daily	28	366	458	903	900KL/Day
MAR	KL/Day	Daily	31	297	470	993	900KL/Day

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

Reporting Period: 2020/21

No of samples required by license: 1 / year

No of times collected and analysed: 1 / year

#### Monitoring Results

Pollutant	Units of measure	APR xx.xx.xx	MAY xx.xx.xx	JUN xx.xx.xx	JUL xx.xx.xx	AUG xx.xx.xx	SEP xx.xx.xx	OCT xx.xx.xx	NOV xx.xx.xx	DEC xx.xx.xx	JAN xx.xx.xx	FEB xx.xx.xx	MAR 24.3.21	Lowest sample value	Mean sample value	Highest sample value	No. of Samples required by licence	No. of Samples you collected and analysed
BOD	mg/L												3	NA	NA	NA	1/year	/year
Faecal Coliforms	CFU/100ml												2400				1/year	/year
Nitrogen (total)	mg/L												1.7				1/year	/year
Oil & Grease	mg/L												<2				1/year	/year
pH	pH												7.74				1/year	/year
Phosphorus (total)	mg/L												0.12				1/year	/year
Total Kjeldahl Nitrogen	mg/L												1.2				1/year	/year
TSS	mg/L												46				1/year	/year

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

Reporting Period 2020/21

No of samples required by license: 1 / year

No of times collected and analysed: 1 / year

#### Monitoring Results

Pollutant	Units of measure	APR xx.xx.xx	MAY xx.xx.xx	JUN xx.xx.xx	JUL xx.xx.xx	AUG xx.xx.xx	SEP xx.xx.xx	OCT xx.xx.xx	NOV xx.xx.xx	DEC xx.xx.xx	JAN xx.xx.xx	FEB xx.xx.xx	MAR 24.3.2021	Lowest sample value	Mean sample value	Highest sample value	No. of Samples required by licence
BOD	mg/L												3	NA	NA	NA	1/year
Faecal Coliforms	CFU/10 0ml												2400				1/year
Nitrogen (total)	mg/L												1.7				1/year
Oil & Grease	mg/L												<2				1/year
pH	pH												7.74				1/year
Phosphorus (total)	mg/L												0.12				1/year
Total Kjeldahl Nitrogen	mg/L												1.2				1/year
TSS	mg/L												46				1/year