

2022 EPA Pollution Monitoring Data

CONDOBOLIN SEWAGE TREATMENT PLANT – EPA LICENCE NO. 4480
PREMISES: 301 GOLF LINKS ROAD, CONDOBOLIN NSW 2877

LICENSEE: LACHLAN SHIRE COUNCIL | PO Box 216, Condobolin NSW 2877



LACHLAN SHIRE
COUNCIL

Wiradjuri Country

2022 EPA POLLUTION MONITORING DATA

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MONITORING POINT 1

Location: Condobolin Sewage Treatment Plant – Effluent Pond Weir Discharge

POINT 1 Discharge to Waters Effluent Quality (Monthly)	Date Sampled		02/02/2022	22/02/2022	15/03/2022	12/04/2022	10/05/2022	22/06/2022	26/07/2022	17/08/2022	06/09/2022	12/10/2022	12/12/2022	19/12/2022
	Date Obtained		09/02/2022	03/03/2022	29/03/2022	22/04/2022	19/05/2022	04/07/2022	03/08/2022	25/08/2022	15/09/2022	20/10/2022	21/12/2022	30/12/2022
	Date Published		10/08/2022	10/08/2022	10/08/2022	10/08/2022	10/08/2022	10/08/2022	26/08/2022	26/08/2022	21/09/2022	25/10/2022	19/01/2023	19/01/2023
Pollutant	Unit of Measure	Limit 100 Percentile Concentration	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV*	DEC
BOD	mg/L	20	11	14	18	4	3	7	20	3	12	13	9	8
Faecal Coliforms	Colony	1500	~27	~36	~91	~180	260	91	~36	~9	~100	~73	~35,000	~<91
Total Nitrogen	mg/L	40	0.65	<0.05	0.74	0.26	0.57	2.20	1.60	1.70	2.75	6.73	0.54	0.08
Total Kjeldahl Nitrogen	mg/L	-	3.60	3.90	3.20	7.70	5.90	8.00	6.90	8.00	7.00	1.30	2.30	2.80
Total Oil and Grease	mg/L	10	<2	4	<2	<2	<4	<2	2	<2	<2	<2	<2	3
pH	pH	6.5 - 8.5	9.12	8.93	9.00	7.94	7.83	7.57	7.99	7.98	8.00	7.99	8.43	8.89
Total Phosphorus	mg/L	10	2.17	2.64	2.56	4.21	3.27	1.84	1.65	1.72	1.66	1.55	2.41	2.82
Total Suspended Solids	mg/L	30	31	42	36	16	9	17	14	21	10	20	59	68

*No samples collected in November due to flooding and road closures. Samples to be collected in December.

MONITORING POINT 5 & 6

Point 5 Location: Condobolin Sewage Treatment Plant – Reuse Irrigation at Condobolin Golf Course | **Point 6 Location:** Condobolin Sewage Treatment Plant – Reuse Irrigation at Condobolin Sewage Treatment Plant

POINT 5 Discharge to Land Soil Quality (Yearly)	Date Sampled		21/06/2022	
	Date Obtained		29/06/2022	
	Date Published		10/08/2022	
Pollutant	Unit of Measure	Limit	0 – 10cm	90 - 100cm
Conductivity	µS/cm	-	65	57
Exchangeable Sodium %	%	-	2	2
Nitrate	mg/kg	-	2	<0.5
Total Nitrogen	mg/kg	-	2000	490
pH	pH	-	5.3	7.2
Total Phosphorus	mg/kg	-	440	150
Available Phosphorus	mg/kg	-	66	6

POINT 6 Discharge to Land Soil Quality (Yearly)	Date Sampled		21/06/2022	
	Date Obtained		29/06/2022	
	Date Published		10/08/2022	
Pollutant	Unit of Measure	Limit	0 – 10cm	90 - 100cm
Conductivity	µS/cm	-	91	140
Exchangeable Sodium %	%	-	<1	4
Nitrate	mg/kg	-	<0.5	<0.5
Total Nitrogen	mg/kg	-	2100	1100
pH	pH	-	7.8	8.5
Total Phosphorus	mg/kg	-	340	210
Available Phosphorus	mg/kg	-	91	60

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MONITORING POINT 1

Location: Condobolin Sewage Treatment Plant – Effluent Pond Weir Discharge

POINT 1 Discharge Volume (Daily during any discharge)		Date Obtained	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	01/09/2022	01/10/2022	01/11/2022	01/12/2022	01/01/2023
		Date Published	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	01/09/2022	13/10/2022	08/11/2022	09/12/2022
Unit of Measure	Limit	Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Kilolitres per day	4500	1	0	0	0	0	0	140	0	0	0	1319	320	802	
		2	0	0	0	0	0	0	0	0	0	1251	387	603	
		3	0	0	0	0	0	0	0	0	0	1028	442	504	
		4	0	0	0	0	0	0	0	0	0	625	463	488	
		5	0	0	0	0	0	0	0	0	0	533	642	464	488
		6	0	0	0	0	0	0	0	0	0	1304	684	514	527
		7	0	0	0	0	0	0	0	0	0	1076	659	687	467
		8	0	0	0	0	0	0	0	0	0	538	632	844	451
		9	0	0	0	0	0	0	0	0	0	534	626	926	432
		10	0	0	0	0	0	0	0	0	0	548	600	910	0
		11	0	0	0	0	0	0	0	0	0	521	583	769	437
		12	0	0	0	0	0	0	0	0	0	516	585	703	474
		13	0	0	0	0	0	0	0	0	0	498	620	777	474
		14	0	0	0	0	0	0	0	0	0	482	668	1123	430
		15	0	0	0	0	0	0	0	0	0	430	696	1033	434
		16	0	0	0	0	0	0	0	0	0	418	722	722	387
		17	0	0	0	0	0	0	0	0	0	396	713	781	378
		18	0	0	0	0	0	0	0	0	0	361	710	856	388
		19	0	0	0	0	0	0	0	0	0	316	697	950	387
		20	0	0	0	0	0	0	0	0	0	269	642	657	355
		21	0	0	0	0	0	0	0	0	0	255	501	338	323
		22	0	0	0	0	0	0	0	0	0	219	643	308	321
		23	0	0	8	0	0	0	0	0	0	190	987	196	801
		24	0	0	0	0	0	0	0	0	0	161	997	471	807
		25	0	0	0	0	0	0	0	0	0	153	983	1002	803
		26	0	0	0	0	0	0	0	0	0	139	961	893	859
		27	0	0	0	0	0	0	0	0	0	150	841	913	866
		28	0	0	0	0	0	0	0	0	0	862	695	312	850
		29	0			0	0	0	0	0	0	1333	743	332	873
		30	0			0	0	3	0	0	0	1327	597	276	913
		31	0			0	0	0	0	0	0		367		901

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MONITORING POINT 2

Location: Condobolin Golf Course – Discharge to Utilisation Area – Spray Irrigation

POINT 2 Discharge Volume (Daily during any discharge)	Date Obtained		26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	01/09/2022	01/10/2022	01/11/2022	01/12/2022	01/01/2023
	Date Published		26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	01/09/2022	13/10/2022	08/11/2022	09/12/2022
Unit of Measure	Limit	Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Kilolitres per day	2000	1	0	0	307	561	0	0	0	0	0	0	0	1351	0
		2	0	0	0	0	0	0	0	0	0	0	0	1258	747
		3	725	0	0	0	0	0	0	0	0	0	0	1205	0
		4	1378	0	714	668	0	0	0	0	0	0	0	1166	0
		5	832	0	0	1607	0	0	0	0	0	0	0	1159	0
		6	0	0	0	1087	0	0	0	0	0	0	0	1133	744
		7	0	674	0	958	0	0	0	0	0	0	0	1087	368
		8	0	0	0	0	0	0	0	0	0	0	0	951	0
		9	0	0	0	0	207	0	0	0	0	0	0	889	0
		10	0	3	428	0	0	0	0	0	0	0	0	997	0
		11	0	0	336	0	0	0	0	0	0	0	0	1002	0
		12	0	246	0	0	0	0	0	0	0	0	0	1014	0
		13	0	0	0	0	0	0	0	0	0	0	0	1237	1
		14	0	672	133	0	0	0	0	0	0	0	0	1558	375
		15	0	1066	0	0	0	0	0	0	0	0	0	1278	3
		16	0	1532	0	0	0	0	0	0	0	0	0	1243	566
		17	0	748	0	0	0	0	0	0	0	0	0	1256	0
		18	0	327	0	0	0	0	0	0	0	0	0	1228	0
		19	0	0	0	0	0	0	0	0	0	0	0	1234	1203
		20	0	0	0	0	0	0	0	0	0	0	0	1270	834
		21	0	419	0	0	0	0	0	0	0	0	0	1264	1142
		22	0	408	0	0	0	0	0	0	0	0	0	1283	700
		23	0	0	0	0	516	0	0	0	0	0	0	1170	368
		24	392	0	0	0	0	0	0	0	0	0	0	943	0
		25	399	0	566	0	0	0	0	0	0	0	0	815	0
		26	0	0	0	0	0	0	0	0	0	0	0	495	0
		27	0	0	0	0	0	0	0	0	0	0	0	500	775
		28	0	397	0	0	0	0	0	0	0	0	0	494	1679
		29	0		415	0	0	0	0	0	0	0	0	426	1016
		30	0		1001	0	0	0	0	0	0	0	0	400	309
		31	0		354	0	0	0	0	0	0	0	0	0	0

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MONITORING POINT 3

Location: Condobolin Sewage Treatment Plant – Discharge to Utilisation Area – Spray Irrigation

POINT 3 Discharge Volume (Daily during any discharge)		Date Obtained													
		Date Published													
Unit of Measure	Limit	Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Kilolitres per day	150	1													
		2													
		3													
		4													
		5													
		6													
		7													
		8													
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		30													
		31													

- Flowmeter connection in progress

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MONITORING POINT 4

Location: Condobolin Sewage Treatment Plant – Influent

POINT 4 Influent Volume (Daily during any discharge)	Date Obtained		26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	01/09/2022	01/10/2022	01/11/2022	01/12/2022	01/01/2023
	Date Published		26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	26/08/2022	01/09/2022	13/10/2022	08/11/2022	09/12/2022	19/01/2023
Unit of Measure	Limit	Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Kilolitres per day	-	1	754	1162	827	352	951	977	894	1026	1255	1283	6212	0	
		2	759	1080	920	338	863	978	1552	806	1116	1117	3655	747	
		3	770	990	797	349	849	968	2560	803	1033	1058	2862	0	
		4	747	895	764	346	884	910	2939	1250	1004	993	2576	0	
		5	768	423	765	336	866	937	1630	1452	997	3578	2475	0	
		6	1067	885	410	346	792	964	1372	924	945	4793	2385	744	
		7	1399	904	791	332	751	943	1325	883	1135	2457	2313	368	
		8	851	861	844	411	781	919	1118	876	1635	3703	1862	0	
		9	555	830	804	407	780	867	1051	900	2023	3474	1665	0	
		10	507	814	385	405	792	857	1000	852	1985	2248	2004	0	
		11	4090	819	786	388	929	848	951	862	1614	1869	1972	0	
		12	1595	808	830	388	5180	808	929	903	1336	1657	2027	0	
		13	1132	801	881	408	1814	874	970	1402	1187	1534	3624	1	
		14	2540	801	807	344	1315	880	987	1367	1142	3929	5785	375	
		15	1281	765	765	333	1215	859	972	1248	2494	3929	5212	3	
		16	1061	653	782	326	1132	822	981	1138	2561	1831	4672	566	
		17	506	978	1073	332	1016	858	992	1088	1629	1581	4453	0	
		18	1379	782	835	364	1020	898	898	1032	1378	1492	4036	0	
		19	1104	807	759	365	881	402	856	1047	1295	1453	4107	1203	
		20	1029	787	778	485	813	881	787	861	1167	4319	4836	834	
		21	964	798	782	555	841	852	809	615	3900	5094	4820	1142	
		22	929	806	697	710	425	829	789	1363	4208	4526	4899	700	
		23	478	832	454	670	867	840	794	1117	2746	3664	4189	368	
		24	917	806	447	672	867	959	843	1002	2384	3009	2375	0	
		25	880	802	428	640	859	830	810	961	2183	3096	2669	0	
		26	893	807	431	738	898	820	792	971	2233	2690	1982	0	
		27	834	823	205	1463	1089	821	792	917	2445	1665	1732	775	
		28	827	823	1054	1006	1020	823	745	935	2125	2027	1609	1679	
		29	2504		567	840	964	824	769	2291	1721	1683	1421	1016	
		30	1573		352	1421	1186	834	761	2486	1503	1577	1301	309	
		31	1364		353		1218		789	1477		3366		0	