

2023 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

2023 EPA POLLUTION MONITORING DATA

To view the full licence on the NSW EPA website, click here: [EPA Licence 4480](#)

MONITORING POINT 1

Location: Condobolin Sewage Treatment Plant – Effluent Pond Weir Discharge

POINT 1 Discharge to Waters Effluent Quality (Monthly)	Date Sampled		24/01/2023	14/02/2023	14/03/2023	05/04/2023	16/05/2023	06/06/2023	11/07/2023	09/08/2023	26/09/2023	18/10/2023	29/11/2023	13/12/2023
	Date Obtained		03/02/2023	22/02/2023	23/03/2023	17/04/2023	25/05/2023	19/06/2023	18/07/2023	17/08/2023	06/10/2023	30/10/2023	08/12/2023	27/12/2023
	Date Published		17/02/2023	07/03/2023	20/04/2023	05/06/2023	05/06/2023	05/07/2023	04/08/2023	07/09/2023	13/10/2023	13/12/23	13/12/23	25/01/2024
Pollutant	Unit of Measure	Limit 100 Percentile Concentration	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BOD	mg/L	20	8	23	11	12	3	3	2	8	10	17	15	12
Faecal Coliforms	Colony	1500	~270	~1000	5600	~540	~36	~36	780	230	640	950	~1100	NR*
Total Nitrogen	mg/L	40	0.22	<0.05	1.10	0.16	0.13	0.59	1.54	2.31	0.46	2.53	0.47	0.16
Total Kjeldahl Nitrogen	mg/L	-	4.50	7.10	3.20	4.40	10.10	12.90	6.80	6.40	13.90	16.40	7.3	3.6
Total Oil and Grease	mg/L	10	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2
pH	pH	6.5 - 8.5	9.50	9.25	9.16	8.77	7.88	8.04	7.92	7.97	8.06	8.12	8.81	9.16
Total Phosphorus	mg/L	10	1.49	2.06	1.17	1.78	4.32	3.12	2.68	2.91	3.40	3.34	3.66	2.36
Total Suspended Solids	mg/L	30	29	75	46	22	12	30	16	60	46	22	72	113

*Results are underestimated due to the high number of non-target colonies present.

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		14/06/2023	
	Date Obtained		22/06/2023	
	Date Published		04/08/2023	
Pollutant	Unit of Measure	Limit	0 – 10cm	90 - 100cm
Conductivity	µS/cm	-	640	1,100
Exchangeable Sodium %	%	-	1	8
Nitrate	mg/kg	-	<5	0.8
Total Nitrogen	mg/kg	-	500	290
pH	pH	-	6.7	7.4
Total Phosphorus	mg/kg	-	320	230
Available Phosphorus	mg/kg	-	74	41

POINT 6 Discharge to Land Soil Quality (Yearly)	Date Sampled		14/06/2023	
	Date Obtained		22/06/2023	
	Date Published		04/08/2023	
Pollutant	Unit of Measure	Limit	0 – 10cm	90 - 100cm
Conductivity	µS/cm	-	170	61
Exchangeable Sodium %	%	-	1	3
Nitrate	mg/kg	-	1	<0.5
Total Nitrogen	mg/kg	-	1,800	290
pH	pH	-	7.5	8.2
Total Phosphorus	mg/kg	-	440	120
Available Phosphorus	mg/kg	-	95	10

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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		01/02/2023	01/03/2023	01/04/2023	01/04/2023	01/06/2023	01/07/2023	01/08/2023	01/09/2023	01/10/2023	01/11/2023	01/12/2023	01/01/2024
	Date Published		17/02/2023	07/03/2023	20/04/2023	05/06/2023	05/06/2023	05/07/2023	04/08/2023	07/09/2023	13/10/2023	05/12/2023	05/12/2023	25/01/2024
Unit of Measure	Limit	Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Kilolitres per day	4500	1	6	3	16	327	851	766	549	150	1095	0	0	0
		2	15	466	4	335	848	741	561	142	941	0	0	0
		3	9	1104	1	299	814	716	452	113	325	0	0	0
		4	3	1106	0	367	776	734	230	619	11	0	0	0
		5	1	1104	0	515	804	813	851	532	1	0	0	0
		6	0	1115	0	419	772	701	1249	103	0	0	0	0
		7	0	1090	0	423	122	711	1423	638	0	0	0	0
		8	2	1065	0	416	695	991	1402	842	0	0	0	0
		9	73	1019	0	412	783	693	1375	1131	0	0	0	0
		10	91	706	0	383	746	669	1056	1429	0	0	0	0
		11	40	165	0	511	756	644	813	1367	0	0	0	0
		12	74	106	0	891	773	672	699	1293	8	0	0	0
		13	42	88	12	878	738	657	705	1232	66	0	0	0
		14	23	275	379	611	749	463	876	1164	151	0	0	0
		15	179	224	616	589	762	1034	898	1005	129	0	0	0
		16	24	142	422	501	1024	731	981	545	140	0	0	0
		17	14	89	302	538	1064	742	806	0	346	0	0	0
		18	32	149	174	617	807	785	1184	0	390	0	0	0
		19	67	161	66	585	769	571	1109	0	49	0	0	0
		20	30	138	78	557	748	466	856	0	0	0	0	0
		21	113	102	114	541	767	468	582	0	22	0	0	0
		22	173	524	105	614	777	2794	573	0	43	0	0	0
		23	195	176	225	637	746	764	765	386	92	0	0	0
		24	108	93	98	634	769	743	668	1056	198	0	0	0
		25	145	344	52	558	802	723	676	992	348	0	0	0
		26	28	44	37	512	819	709	475	856	3	0	0	0
		27	6	38	31	210	799	674	254	975	0	0	0	490
		28	0	28	269	294	787	945	143	1051	0	0	0	0
		29	0		339	770	776	781	179	837	0	0	0	1321
		30	1		0	783	742	734	195	187	0	0	0	1360
		31	2		336		731		166	817		0		788

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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		01/02/2023	01/03/2023	01/04/2023	01/04/2023	01/06/2023	01/07/2023	01/08/2023	01/09/2023	01/10/2023	01/11/2023	01/12/2023	01/01/2024	
	Date Published		17/02/2023	07/03/2023	20/04/2023	05/06/2023	05/06/2023	05/07/2023	04/08/2023	07/09/2023	13/10/2023	05/12/2023	05/12/2023	25/01/2024	
Unit of Measure	Limit	Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Kilolitres per day	2000	1	0	0	943	0	0	0	0	880	334	0	0	0	
		2	0	0	1190	0	0	0	0	0	0	0	0	0	
		3	653	397	282	0	0	0	0	0	522	0	0	0	
		4	1021	0	0	0	0	0	0	0	677	438	0	0	0
		5	889	0	1	0	0	0	0	0	0	608	0	0	0
		6	372	371	892	312	0	0	0	0	0	466	0	0	0
		7	0	653	351	284	0	0	0	0	0	0	0	0	0
		8	0	841	663	0	266	0	0	0	0	698	0	0	0
		9	411	767	0	0	279	0	0	0	0	0	0	0	0
		10	750	0	346	0	0	0	0	0	0	0	0	0	0
		11	1684	0	0	0	0	0	0	0	0	419	0	0	0
		12	798	0	0	0	412	0	0	0	0	568	0	0	0
		13	324	1088	0	0	0	0	0	0	0	198	0	0	0
		14	0	788	0	0	0	0	0	0	0	0	0	0	346
		15	0	1668	0	0	0	0	0	0	0	833	0	0	346
		16	939	623	341	0	672	0	0	0	0	0	0	0	346
		17	907	361	329	397	814	0	0	0	0	0	0	0	346
		18	1042	0	0	397	128	0	0	0	0	815	0	0	346
		19	0	0	0	232	563	0	0	0	0	1390	0	0	346
		20	299	409	869	0	0	0	0	0	0	234	0	0	185
		21	0	870	328	0	0	0	0	402	385	0	0	0	185
		22	0	797	0	0	868	0	0	0	340	536	0	0	185
		23	0	741	0	0	0	0	0	0	367	0	0	0	185
		24	0	346	0	1482	0	0	0	732	0	0	0	0	185
		25	342	0	0	512	0	0	0	2	0	1397	0	0	185
		26	238	0	0	620	0	0	0	0	0	1369	0	0	185
		27	0	1071	0	915	0	0	0	0	0	660	0	0	185
		28	0	899	0	135	0	0	0	0	0	299	0	0	185
		29	0		0	0	558	0	0	0	506	253	0	0	185
		30	2		0	0	1	0	0	0	325	0	0	0	185
		31	0		0	0	0	0	0	734	884		0		185

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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		01/02/2023	01/03/2023	01/04/2023	01/04/2023	01/06/2023	01/07/2023	01/08/2023	01/09/2023	01/10/2023	01/11/2023	01/12/2023	01/01/2024
	Date Published		17/02/2023	07/03/2023	20/04/2023	05/06/2023	05/06/2023	05/07/2023	04/08/2023	07/09/2023	13/10/2023	05/12/2023	05/12/2023	25/01/2024
Unit of Measure	Limit	Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Kilolitres per day	150	1	0	11	0	8	0	0	0	0	0	15	15	15
		2	0	10	11	0	0	0	0	0	0	15	15	15
		3	653	9	0	0	0	0	0	0	0	15	15	15
		4	1021	11	0	9	0	0	0	0	0	15	15	15
		5	14	10	1	8	0	0	0	0	0	15	15	15
		6	12	11	0	0	0	0	0	0	0	15	15	15
		7	0	12	13	0	0	0	0	0	0	15	15	15
		8	13	52	11	0	0	0	0	0	0	15	15	15
		9	27	11	10	9	0	1	0	0	0	15	15	15
		10	55	31	0	8	0	0	0	0	0	15	15	15
		11	35	22	0	0	0	0	0	0	0	15	15	15
		12	30	12	0	4	0	0	0	0	0	11	15	15
		13	13	11	0	6	0	0	0	0	0	25	15	15
		14	12	0	0	5	0	0	0	0	0	12	15	15
		15	0	12	0	3	0	0	0	0	0	11	15	15
		16	0	11	0	4	0	0	0	0	0	12	15	15
		17	2	0	0	0	0	0	0	0	0	11	15	15
		18	31	0	0	9	0	0	0	0	0	12	15	15
		19	13	12	0	2	0	0	0	0	0	10	15	15
		20	12	10	0	0	0	0	0	0	0	9	15	15
		21	11	12	5	0	0	0	0	0	0	9	15	15
		22	10	11	11	0	0	0	0	0	0	9	15	15
		23	0	0	10	0	0	0	0	0	0	1	15	15
		24	11	0	11	0	5	0	0	0	0	8	15	15
		25	0	12	10	0	0	0	0	0	0	8	15	15
		26	12	0	0	0	0	0	0	0	0	25	15	15
		27	0	11	0	0	0	0	0	0	0	22	15	15
		28	11	12	0	0	0	0	0	0	0	34	15	15
		29	9		0	0	0	0	0	0	0	18	15	15
		30	11		9	0	0	0	0	0	0	15	15	15
		31	10		0	0	0	0	0	0	0	15	15	15

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MONITORING POINT 4

Location: Condobolin Sewage Treatment Plant – Influent

POINT 4 Influent Volume (Daily during any discharge)	Date Obtained		01/02/2023	01/03/2023	01/04/2023	01/04/2023	01/06/2023	01/07/2023	01/08/2023	01/09/2023	01/10/2023	01/11/2023	01/12/2023	01/01/2024
	Date Published		17/02/2023	07/03/2023	20/04/2023	05/06/2023	05/06/2023	05/07/2023	04/08/2023	07/09/2023	13/10/2023	05/12/2023	05/12/2023	25/01/2024
Unit of Measure	Limit	Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Kilolitres per day	-	1	900	1047	913	1307	1394	1220	1176	1258	1261	675	738	857
		2	993	854	866	774	1407	1180	1215	1202	1172	720	735	787
		3	954	879	855	1342	1373	1153	1281	1180	1201	717	759	790
		4	904	887	849	751	1300	1182	2383	1165	1207	1050	707	751
		5	856	915	855	765	1371	1306	1598	1157	1193	921	749	726
		6	853	872	751	744	1349	1142	1393	1161	1180	806	724	739
		7	883	882	901	1256	766	1150	1385	1208	1142	828	847	767
		8	882	837	931	1251	1346	1597	1316	1165	1172	878	834	769
		9	880	858	803	1291	1434	1123	1231	1187	1160	849	919	782
		10	825	773	766	840	1390	1076	1217	1150	1228	804	1057	783
		11	836	560	764	1421	1378	1037	1266	1138	1192	809	902	813
		12	862	602	779	1533	1401	1070	1181	1192	1184	806	939	782
		13	811	1267	1171	797	902	1014	1165	1188	1217	802	677	746
		14	874	1267	994	1349	750	820	1209	1364	1185	815	667	849
		15	860	1152	866	1304	773	1644	1170	1304	1156	836	692	970
		16	867	883	865	1337	1035	1161	1209	1246	1140	836	706	805
		17	989	618	384	791	1064	1174	1189	1301	857	810	674	758
		18	862	0	313	1340	807	1216	1163	1274	1547	762	673	774
		19	689	1204	297	1221	769	998	1240	1191	1205	811	703	399
		20	470	774	569	1118	748	886	1248	1212	1206	832	676	1185
		21	641	789	1360	1113	767	886	1211	1191	1186	632	640	1714
		22	1008	675	941	1200	777	2794	1236	1264	1099	820	1279	980
		23	1307	515	2074	1193	746	1279	1242	1203	1094	799	751	825
		24	911	1121	895	711	1170	1193	1197	1195	791	758	706	956
		25	861	827	1546	1199	1260	1161	1187	1237	718	477	735	3291
		26	1002	811	1489	726	1300	1132	1150	1196	889	726	735	1041
		27	892	847	1347	777	1258	1080	1164	1311	1222	698	736	866
		28	840	884	1334	1476	1241	1508	1180	1242	1244	713	940	769
		29	863		1457	816	1240	1240	1151	1218	1233	719	1372	761
		30	1360		1448	818	1189	1159	1202	1224	1146	723	857	770
		31	1047		1378		1176		1167	1240		742		688