

2023 EPA Pollution Monitoring Data

CONDOBOLIN WATER FILTRATION PLANT – EPA LICENCE NO. 430
PREMISES: 35 GOOBANG STREET (WEIR STREET), 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 430](#)

MONITORING POINT 1

Location: Condobolin Water Filtration Plant – Discharge from Clarifiers No. 1 or 2 into the Backwash Line

POINT 1 Discharge Water Quality (Monthly during discharge)	Date Sampled		12/10/2022	12/12/2022	19/12/2022	24/01/2023	14/02/2023	16/03/2023	05/04/2023	16/05/2023	06/06/2023	11/07/2023	09/08/2023	26/09/2023
	Date Obtained		20/10/2022	21/12/2022	30/12/2022	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
	Date Published		25/10/2022	19/01/2023	19/01/2023	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
Pollutant	Unit of Measure	Limit	OCT	NOV*	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Aluminium	mg/L	-	662	328	572	636	389	480	380	516	30.50	3.14	22.80	32.70
BOD	mg/L	-	10	15	8	74	22	29	22	9	7	3	3	3
Total Oil and Grease	mg/L	-	3	<2	89	4	<2	3	3	<5	<2	<2	<2	<2
pH	pH	-	7.14	7.35	7.40	7.59	7.63	7.57	7.53	7.46	7.72	7.80	7.69	7.59
Total Suspended Solids	mg/L	-	3,840	3,570	187,00	8930	2,980	4,740	3,810	7,310	366	38	244	498

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

MONITORING POINT 3

Location: Condobolin Water Filtration Plant – Discharge from Filter Beds into the Backwash Line

POINT 3 Discharge Water Quality (Monthly during discharge)	Date Sampled		12/10/2022	12/12/2022	19/12/2022	24/01/2023	14/02/2023	16/03/2023	05/04/2023	16/05/2023	06/06/2023	11/07/2023	09/08/2023	26/09/2023
	Date Obtained		20/10/2022	21/12/2022	30/12/2022	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
	Date Published		25/10/2022	19/01/2023	19/01/2023	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
Pollutant	Unit of Measure	Limit	OCT	NOV*	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Aluminium	mg/L	-	94	79.7	1.57	49.3	74.50	19.10	23.3	14.00	17.20	46.70	44.10	74.90
BOD	mg/L	-	4	3	3	7	6	<2	2	<2	2	3	4	6
Oil and Grease	mg/L	-	<2	<2	<2	3	<2	2	<2	<5	<2	<2	<2	<2
pH	pH	-	7.45	7.54	7.73	8.02	7.89	7.96	7.77	7.71	7.7	7.92	7.7	7.63
Total Suspended Solids	mg/L	-	986	373	181	545	482	156	228	146	364	446	375	860

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

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MONITORING POINT 8

Location: Condobolin Water Filtration Plant – Goobang Creek Discharge – Upstream of Weir

POINT 8 Environmental Water Quality (Quarterly)	Date Sampled		09/08/2023	29/08/2023	26/09/2023	
	Date Obtained		17/08/2023	05/09/2023	06/10/2023	
	Date Published		13/10/2023	07/09/2023	13/10/2023	
Pollutant	Unit of Measure	Limit	AUG	AUG	SEP	
Aluminium	mg/L	-	1.32	2.39	3.30	
BOD	mg/L	-	2	4	3	
Electrical Conductivity	µg/L	-	*	*	443	
Oil and Grease	mg/L	-	**	<2	<2	
pH	pH	-	7.87	8.03	7.74	
Total Suspended Solids	mg/L	-	21	92	139	

New monitoring points commenced from May 2023 with licence variation. ** EC not added to analytes in error.

MONITORING POINT 9

Location: Condobolin Water Filtration Plant – Goobang Creek Discharge – North Forbes Road Bridge

POINT 9 Environmental Water Quality (Quarterly)	Date Sampled		09/08/2023	29/08/2023	26/09/2023	
	Date Obtained		17/08/2023	05/09/2023	06/10/2023	
	Date Published		13/10/2023	07/09/2023	13/10/2023	
Pollutant	Unit of Measure	Limit	AUG	AUG	SEP	
Aluminium	mg/L	-	2.52	2.54	4.56	
BOD	mg/L	-	2	3	3	
Electrical Conductivity	µg/L	-	*	*	442	
Oil and Grease	mg/L	-	<2	<2	<2	
pH	pH	-	7.91	8.11	7.80	
Total Suspended Solids	mg/L	-	104	105	129	

New monitoring points commenced from May 2023 with licence variation. *EC not included in analytes suite in error. **Bottle broke in transit, analysis not able to be performed.

MONITORING POINT 7

Location: Condobolin Water Filtration Plant – Final Discharge to Goobang Creek

POINT 4, 5, 6 Discharge Volume (Yearly)	Date Obtained		01/11/2022	01/12/2022	01/01/2023	01/02/2023	01/03/2023	01/04/2023	01/05/2023	01/06/2023	01/07/2023	01/08/2023	01/09/2023	01/10/2023
	Date Published		09/11/2022	09/12/2022	19/01/2023	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
Unit of Measure	Limit	Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
ML per year	-	Total Monthly ML	4.25	5.50	6.99	6.57	3.19	4.40	4.70	6.55	6.64	6.05	5.44	5.05
	90	Total Annual ML	65.33											

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MONITORING POINTS 4 & 5

Point 4 Location: Condobolin Water Filtration Plant – Volume from Clarifier No. 1 | **Point 5 Location:** Condobolin Water Filtration Plant – Volume from Clarifier No. 2

POINT 4 & 5 Discharge Volume (Monthly during discharge)	Date Obtained		01/11/2022	01/12/2022	01/01/2023	01/02/2023	01/03/2023	01/04/2023	01/05/2023	01/06/2023	01/07/2023	01/08/2023	01/09/2023	01/10/2023	
	Date Published		09/11/2022	09/12/2022	19/01/2023	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	
Unit of Measure	Limit	Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
kL per day	-	1	0	0	0	0	0	0	24	10	0	0	58	0	
		2	52	0	0	0	0	0	0	0	0	177	6	205	0
		3	0	0	0	0	0	86	0	0	25	186	0	463	0
		4	0	51	0	0	0	0	0	0	0	0	0	404	399
		5	0	0	0	0	0	0	0	0	0	58	0	247	95
		6	0	49	0	0	0	0	0	0	0	266	77	0	37
		7	1	0	0	0	0	0	0	0	258	0	278	0	0
		8	0	0	0	0	0	0	0	0	0	0	0	0	134
		9	0	0	0	0	0	0	0	0	394	441	0	92	0
		10	0	39	0	0	0	0	0	0	0	0	80	0	269
		11	0	0	0	0	0	0	0	0	694	316	0	13	0
		12	0	0	1	0	0	0	78	0	0	0	0	288	506
		13	0	0	0	0	0	0	0	0	389	0	393	18	0
		14	0	0	37	0	0	0	0	0	0	63	0	0	135
		15	0	0	0	0	0	0	0	0	0	0	139	0	0
		16	14	0	108	0	0	0	0	0	138	0	0	0	0
		17	50	0	792	0	0	0	45	0	0	406	106	0	358
		18	0	65	0	0	0	0	0	64	474	0	222	0	0
		19	0	0	28	0	0	0	0	0	0	0	0	0	0
		20	0	0	144	0	0	0	0	0	0	0	139	0	383
		21	0	0	182	0	0	0	0	0	0	436	0	0	259
		22	0	0	0	0	0	0	0	71	0	0	355	413	310
		23	0	0	0	0	0	0	0	4	0	312	0	0	120
		24	0	0	0	0	0	0	0	0	78	0	0	0	158
		25	0	0	0	0	0	0	0	32	0	0	177	0	0
		26	0	0	0	0	0	28	0	647	413	233	0	223	17
		27	0	0	0	0	0	0	0	0	64	0	0	11	0
		28	0	3	0	0	0	0	0	523	0	0	155	0	0
		29	0	0	0	0	0	0	0	24	0	385	61	541	145
		30	0	0	0	0	0	1393	0	0	0	0	0	0	0
		31	106	0	0	0	1153	0	0	0	80	0	0	98	0

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MONITORING POINT 6

Location: Condobolin Water Filtration Plant – Backwash through Backwash Pump

POINT 6 Discharge Volume (Monthly during discharge)	Date Obtained		01/11/2022	01/12/2022	01/01/2023	01/02/2023	01/03/2023	01/04/2023	01/05/2023	01/06/2023	01/07/2023	01/08/2023	01/09/2023	01/10/2023
	Date Published		09/11/2022	09/12/2022	19/01/2023	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
Unit of Measure	Limit	Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
kL per day	-	1	97	236	157	210	209	189	124	150	121	161	143	78
		2	311	0	234	182	0	156	114	116	99	125	107	0
		3	0	81	231	217	0	187	144	115	94	119	105	0
		4	216	179	576	224	219	187	109	94	97	101	87	0
		5	95	238	534	223	122	309	101	79	103	122	73	84
		6	0	179	381	205	204	313	129	137	100	103	127	73
		7	0	116	338	217	0	120	112	103	109	127	102	84
		8	215	90	82	206	193	102	107	95	119	90	111	81
		9	175	91	180	189	0	158	114	95	121	151	98	83
		10	176	206	200	182	179	210	100	107	117	139	72	83
		11	172	207	208	190	81	114	96	147	101	0	0	81
		12	197	282	0	185	237	214	112	97	100	248	85	82
		13	110	421	178	0	205	135	73	107	95	104	0	0
		14	93	257	0	0	244	255	101	102	123	127	0	81
		15	0	489	208	239	164	0	116	157	129	107	0	82
		16	0	106	0	206	81	0	110	102	123	129	0	0
		17	188	108	0	0	232	208	128	141	121	105	0	82
		18	87	202	283	0	0	107	97	95	118	125	0	81
		19	221	171	0	266	84	0	130	132	111	157	374	0
		20	111	200	256	0	0	145	113	125	100	91	0	78
		21	201	191	0	0	92	0	132	98	115	134	0	80
		22	0	97	382	216	0	182	80	134	100	93	244	0
		23	247	112	0	0	170	90	131	99	132	106	83	0
		24	0	274	277	211	0	92	108	108	98	223	84	113
		25	254	102	115	60	81	163	90	96	151	110	77	0
		26	204	131	123	168	0	228	111	161	84	119	80	0
		27	158	189	139	0	185	0	97	100	122	124	81	156
		28	194	0	197	223	98	187	104	105	136	109	84	0
		29	164	178	95	0		0	99	115	116	161	82	160
		30	138	158	239	0		110	129	111	110	130	0	82
		31	0		85	0		114		114		122	68	