

2024 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

2024 EPA POLLUTION MONITORING DATA

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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		18/10/2023	29/11/2023	13/12/2023	16/01/2024	27/02/2024	19/03/2024	24/04/2024	14/05/2024	12/06/2024			
	Date Obtained		30/10/2023	08/12/2023	27/12/2023	01/02/2024	06/03/2024	28/03/2024	03/05/2024	29/05/2024	20/06/2024			
	Date Published		01/12/2023	13/12/2023	24/01/2024	27/02/2024	14/03/2024	18/04/2024	10/05/2024	18/06/2024	10/07/2024			
Pollutant	Unit of Measure	Limit	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Aluminium	mg/L	-	158	271	172	19.9	61.7	147	34.8	33.1	157			
BOD	mg/L	-	5	7	6	3	4	7	<2	8	<2			
Total Oil and Grease	mg/L	-	<2	<2	3.0	<2	<2	<2	<2	<2	<8			
pH	pH	-	7.57	7.73	7.78	7.85	7.78	7.64	7.84	7.67	7.62			
Total Suspended Solids	mg/L	-	1,660	2720	1880	223	600	1970	336	986	1470			

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		18/10/2023	29/11/2023	13/12/2023	16/01/2024	27/02/2024	19/03/2024	24/04/2024	14/05/2024	12/06/2024			
	Date Obtained		30/10/2023	08/12/2023	27/12/2023	01/02/2024	06/03/2024	28/03/2024	03/05/2024	29/05/2024	20/06/2024			
	Date Published		01/12/2023	13/12/2023	24/01/2024	27/02/2024	14/03/2024	18/04/2024	10/05/2024	18/06/2024	10/07/2024			
Pollutant	Unit of Measure	Limit	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Aluminium	mg/L	-	24.8	35.80	26.5	23.2	32.6	59.1	47.8	12.9	67.3			
BOD	mg/L	-	2	2	<2	4	3	5	<2	<2	<2			
Oil and Grease	mg/L	-	<2	3	<2	<2	<2	<2	2	<2	<2			
pH	pH	-	7.75	7.75	7.8	7.82	7.76	7.64	7.82	7.72	7.62			
Total Suspended Solids	mg/L	-	227	327	263	245	310	637	412	263	527			

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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		18/10/2023	27/02/2024	12/06/2024	
	Date Obtained		30/10/2023	06/03/2024	20/06/2024	
	Date Published		01/12/2023	14/03/2024	10/07/2024	
Pollutant	Unit of Measure	Limit	OCT	Feb	June	Sep
Aluminium	mg/L	-	0.42	2.41	2.46	
BOD	mg/L	-	2	4	<2	
Electrical Conductivity	µg/L	-	562	377	420	
Oil and Grease	mg/L	-	<2	<2	<2	
pH	pH	-	7.9	7.74	7.75	
Total Suspended Solids	mg/L	-	62	68	69	

MONITORING POINT 9

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

POINT 9 Environmental Water Quality (Quarterly)	Date Sampled		18/10/2023	27/02/2024	12/06/2024	
	Date Obtained		30/10/2023	06/03/2024	20/06/2024	
	Date Published		01/12/2023	14/03/2024	10/07/2024	
Pollutant	Unit of Measure	Limit	OCT	Feb	June	Sep
Aluminium	mg/L	-	0.31	1.34	2.86	
BOD	mg/L	-	2	3	<2	
Electrical Conductivity	µg/L	-	561	377	419	
Oil and Grease	mg/L	-	<2	<2	<2	
pH	pH	-	7.93	7.76	7.88	
Total Suspended Solids	mg/L	-	72	65	39	

MONITORING POINT 7

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

POINT 4, 5, 6 Discharge Volume (Yearly)	Date Obtained		01/11/2023	01/12/2023	01/01/2024	01/02/2024	01/03/2024	01/04/2024	01/05/2024	01/06/2024	01/07/2024			
	Date Published		01/12/2023	13/12/2023	24/01/2024	27/02/2024	14/03/2024	18/04/2024	10/05/2024	18/06/2024	10/07/2024			
Unit of Measure	Limit	Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
ML per year	-	Total Monthly ML	6.18	16.71	12.829	7.260	6.696	6.448	7.007	6.170	4.632			
	90	Total Annual ML												

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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	01/11/2023	01/12/2023	01/01/2024	01/02/2024	01/03/2024	01/04/2024	01/05/2024	01/06/2024	01/07/2024			
		Date Published	01/12/2023	13/12/2023	24/01/2024	27/02/2024	14/03/2024	18/04/2024	10/05/2024	18/06/2024	10/07/2024			
Unit of Measure	Limit	Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
kL per day	-	1	41	117	2460	0	0	0	30	0	0			
		2	374	0	0	52	0	0	16	123	35			
		3	153	0	281	0	0	0	101	0	75			
		4	172	211	0	0	164	0	34	34	0			
		5	0	0	222	0	47	0	0	226	0			
		6	43	618	175	61	0	0	54	25	0			
		7	0	64	0	480	239	0	0	27	0			
		8	0	0	874	49	0	0	130	37	0			
		9	0	766	47	0	167	849	0	52	0			
		10	422	27	0	0	0	66	122	0	0			
		11	220	204	0	0	123	0	0	80	71			
		12	0	0	1045	0	0	143	0	37	7			
		13	57	693	0	166	0	0	770	32	56			
		14	0	7	899	0	159	0	21	0	0			
		15	5	370	0	0	90	13	11	0	93			
		16	0	0	541	706	0	0	64	0	168			
		17	216	76	4	17	0	23	0	20	0			
		18	0	0	603	0	302	79	0	203	1			
		19	635	0	187	0	0	299	60	0	5			
		20	0	87	8	178	137	122	88	68	147			
		21	362	194	0	0	0	0	0	39	56			
		22	0	1123	0	156	14	78	0	18	44			
		23	118	1373	0	0	20	125	265	221	44			
		24	176	1249	59	5	0	0	130	0	0			
		25	235	1035	54	0	50	0	0	0	533			
		26	76	0	0	0	0	402	0	17	0			
		27	0	2453	24	0	193	49	298	58	51			
		28	341	924	0	0	193	0	46	0	0			
		29	286	0	129	574	0	55	0	112	0			
		30	0	1938	203	68		0	528	28	0			
		31	0		2460	0		0		126				

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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		01/11/2023	01/12/2023	01/01/2024	01/02/2024	01/03/2024	01/04/2024	01/05/2024	01/06/2024	01/07/2024			
	Date Published		01/12/2023	13/12/2023	24/01/2024	27/02/2024	14/03/2024	18/04/2024	10/05/2024	18/06/2024	10/07/2024			
Unit of Measure	Limit	Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
kL per day	-	1	83	155	85	82	330	165	82	160	149			
		2	83	82	164	246	325	164	83	164	85			
		3	84	200	83	164	165	159	180	331	166			
		4	0	0	84	168	152	159	84	0	166			
		5	76	163	82	159	0	159	82	0	163			
		6	0	159	0	167	320	181	147	163	170			
		7	157	0	475	168	0	165	165	166	83			
		8	0	81	83	0	161	265	166	163	83			
		9	0	82	82	165	162	63	78	83	164			
		10	158	83	154	83	160	158	82	83	150			
		11	0	83	358	159	168	161	82	159	85			
		12	82	84	244	166	163	165	246	170	83			
		13	81	80	273	0	249	156	160	0	83			
		14	70	0	82	316	320	0	167	329	0			
		15	83	0	243	159	162	157	166	576	238			
		16	81	308	82	164	166	157	164	84	0			
		17	0	79	263	157	158	0	157	80	0			
		18	157	158	402	165	0	0	158	162	238			
		19	81	83	166	0	160	0	162	160	0			
		20	81	81	162	167	163	86	167	167	162			
		21	82	86	81	244	162	482	151	166	0			
		22	81	79	164	163	0	0	0	164	164			
		23	81	241	162	169	162	163	164	0	84			
		24	82	84	0	320	164	166	155	329	88			
		25	81	83	0	162	161	84	172	83	78			
		26	81	239	310	168	169	82	0	155	164			
		27	81	0	161	166	166	83	160	0	81			
		28	80	163	70	168	35	80	166	163	164			
		29	82	162	164	166	295	163	330	164	0			
		30	80	84	168	167		163	163	0	156			
		31	81		167	0		159		163				