



Copeton Water Treatment Plant

Licence Period: 20 September 2021 to 19 September 2022		EPL No. 4463: Copeton Water Treatment Plant			
https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=4463&id=4463&option=licence&searchrang=e=licence&range=POEO licence&prp=no&status=Issued		Minnamurra Lane, Inverell NSW 2360			
		Licensee: Inverell Shire Council			
		Monitoring Frequency - Monthly			
Sample date: 05/10/2021	Analysis obtained: 13/10/2021	Data published: 14/10/2021			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Aluminium	mg/L	0.44	0.1	Yes
	pH	-	7.7	6.5 - 8.5	No
	Total Suspended Solids	mg/L	7	20	No
Comments: Cause of elevated aluminium levels are under long term investigation.					
Sample date: 09/11/2021	Analysis obtained: 17/11/2021	Data published: 26/11/2021			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Aluminium	mg/L	0.61	0.1	Yes
	pH	-	7.4	6.5 - 8.5	No
	Total Suspended Solids	mg/L	9	20	No
Comments: Lagoon maintenance initiated sludge disturbance resulting in slightly elevated Aluminium.					
Sample date: 07/12/2021	Analysis obtained: 16/12/2021	Data published: 20/12/2021			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Aluminium	mg/L	0.48	0.1	yes
	pH	-	7.3	6.5 - 8.5	No
	Total Suspended Solids	mg/L	15	20	no
Comments: Cause of elevated aluminium levels are under long term investigation.					
Sample date: 11/01/2022	Analysis obtained: 20/01/2022	Data published: 9/02/2022			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Aluminium	mg/L	0.7	0.1	
	pH	-	7.4	6.5 - 8.5	
	Total Suspended Solids	mg/L	32	20	
Comments: Cause of elevated aluminium levels are under long term investigation.					
Sample date: 01/02/2022	Analysis obtained: 09/02/2022	Data published: 10/02/2022			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Aluminium	mg/L	0.18	0.1	Yes
	pH	-	7.3	6.5 - 8.5	No
	Total Suspended Solids	mg/L	11	20	No
Comments: Cause of elevated aluminium levels are under long term investigation.					
Sample date: 01/03/2022	Analysis obtained: 10/03/2022	Data published: 10/03/2022			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Aluminium	mg/L	0.24	0.1	Yes
	pH	-	7.1	6.5 - 8.5	No
	Total Suspended Solids	mg/L	8	20	No
Comments: Cause of elevated aluminium levels are under long term investigation.					
Sample date: 12/04/2022	Analysis obtained: 27/04/2022	Data published: 03/05/2022			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Aluminium	mg/L	0.08	0.1	No
	pH	-	7.3	6.5 - 8.5	No
	Total Suspended Solids	mg/L	16	20	No
Comments:					
Sample date: 03/05/2022	Analysis obtained: 12/05/2022	Data published: 17/05/2022			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Aluminium	mg/L	0.12	0.1	Yes
	pH	-	7	6.5 - 8.5	No
	Total Suspended Solids	mg/L	6	20	No
Comments: Cause of elevated aluminium levels are under long term investigation.					



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Licensee: Inverell Shire Council
Monitoring Frequency - Monthly

Sample date: 07/06/2022	Analysis obtained: 16/06/2022	Data published: 22/06/2022			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Aluminium	mg/L	0.38	0.1	Yes
	pH	-	7.1	6.5 - 8.5	No
	Total Suspended Solids	mg/L	33	20	Yes

Comments: Suspended Solids - Likely disturbance of water column during sampling. Aluminium - Re-dissolution of Aluminium from aging sludge.

Sample date: 06/07/2022	Analysis obtained: 16/07/2022	Data published: 18/07/2022			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Aluminium	mg/L	0.12	0.1	Yes
	pH	-	7.1	6.5 - 8.5	No
	Total Suspended Solids	mg/L	14	20	No

Comments: Changes to settling lagoon infrastructure, to reduce discharge concentrations, being implemented'

Sample date: 03/08/2022	Analysis obtained: 29/08/2022	Data published: 30/08/2022			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Aluminium	mg/L	0.34	0.1	Yes
	pH	-	7.1	6.5 - 8.5	No
	Total Suspended Solids	mg/L	5	20	No

Comments: Changes to settling lagoon infrastructure, to reduce discharge concentrations, being implemented'

Sample date: 07/09/2022	Analysis obtained: 16/09/2022	Data published: 19/09/2022			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Aluminium	mg/L	0.23	0.1	Yes
	pH	-	7	6.5 - 8.5	No
	Total Suspended Solids	mg/L	5	20	No

Comments: Changes to settling lagoon infrastructure, to reduce discharge concentrations, being implemented'

Licence Limit Conditions

L2: Concentration Limits

	Pollutant	Units	100 percentile (calculated - annual)	100 percentile licence limit	Exceedance (Yes/No)
Monitoring Point 1	Aluminium	mg/L		0.1	
	pH	-		6.5 - 8.5	
	Total Suspended Solids	mg/L		20	

L3: Volume and Mass Limits

	Pollutant	Units	Limit	Days/year over limit
Monitoring point 1	Effluent Volume	kL/day	300	

Comments: