



Ashford Sewage Treatment Plant

Licence Period: 1 November 2022 to 31 October 2023

EPL No. 580: Ashford Sewage Treatment Plant

Cemetery Road, Ashford 2361

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Licencee: Inverell Shire Council

Monitoring Frequency - Monthly

Sample date:	Analysis obtained:	Data published:			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
24/11/2022	Oil and Grease	mg/L	<5	10	No
	pH	-	7.8	6.5-8.5	No
	BOD5	mg/L	2	20	No
	Total Suspended Solids	mg/L	3	30	No
	Conductivity	µS/cm	1294	-	No
	Faecal Coliforms	cfu/100ml	~22	-	No
	Nitrate + Nitrite	mg/L	<0.02	-	No
	Nitrogen (ammonia)	mg/L	0.09	-	No
	Phosphorus (total)	mg/L	2.9	-	No
	Total Kjeldhal Nitrogen	mg/L	1.4	-	No
	Chlorophyll 'a'	µg/L	10	-	No
Monitoring Point 2	pH	-	8.5	6.5-8.5	No
	BOD5	mg/L	6	20	No
	Total Suspended Solids	mg/L	10	30	No
6/12/2022	Oil and Grease	mg/L	<5	10	No
	pH	-	7.9	6.5-8.5	No
	BOD5	mg/L	3	20	No
	Total Suspended Solids	mg/L	6	30	No
	Conductivity	µS/cm	1460	-	No
	Faecal Coliforms	cfu/100ml	118	-	No
	Nitrate + Nitrite	mg/L	0.01	-	No
	Nitrogen (ammonia)	mg/L	1.7	-	No
	Phosphorus (total)	mg/L	2.99	-	No
	Total Kjeldhal Nitrogen	mg/L	1.7	-	No
	Chlorophyll 'a'	µg/L	25	-	No
Monitoring Point 2	pH	-	8.7	6.5-8.5	Yes
	BOD5	mg/L	4	20	No
	Total Suspended Solids	mg/L	30	30	No
18/01/2023	Oil and Grease	mg/L	<5	10	No
	pH	-	8	6.5-8.5	No
	BOD5	mg/L	3	20	No
	Total Suspended Solids	mg/L	5	30	No
	Conductivity	µS/cm	1519	-	No
	Faecal Coliforms	cfu/100ml	~110	-	No
	Nitrate + Nitrite	mg/L	0.04	-	No
	Nitrogen (ammonia)	mg/L	0.09	-	No
	Phosphorus (total)	mg/L	2.84	-	No
	Total Kjeldhal Nitrogen	mg/L	1.96	-	No
	Chlorophyll 'a'	µg/L	51	-	No
Monitoring Point 2	pH	-	8.1	6.5-8.5	No
	BOD5	mg/L	9	20	No
	Total Suspended Solids	mg/L	13	30	No
08/02/2023	Oil and Grease	mg/L	<5	10	No
	pH	-	8.1	6.5-8.5	No
	BOD5	mg/L	5	20	No



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			Licensee: Inverell Shire Council		
			Monitoring Frequency - Monthly		
Monitoring Point 2	Total Suspended Solids	mg/L	12	30	No
	Conductivity	µS/cm	1449	-	No
	Faecal Coliforms	cfu/100ml	390	-	No
	Nitrate + Nitrite	mg/L	0.02	-	No
	Nitrogen (ammonia)	mg/L	<0.1	-	No
	Phosphorus (total)	mg/L	3.31	-	No
	Total Kjeldhal Nitrogen	mg/L	2.18	-	No
	Chlorophyll 'a'	µg/L	70	-	No
	pH	-	8.1	6.5-8.5	No
	BOD5	mg/L	5	20	No
Total Suspended Solids	mg/L	9	30	No	
Sample date: 08/03/2023		Analysis obtained: 16/03/2023		Data published: 27/03/2023	
Monitoring Point 1	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
	Oil and Grease	mg/L	<5	10	No
	pH	-	8.1	6.5-8.5	No
	BOD5	mg/L	16	20	No
	Total Suspended Solids	mg/L	62	30	Yes
	Conductivity	µS/cm	1403	-	No
	Faecal Coliforms	cfu/100ml	~620	-	No
	Nitrate + Nitrite	mg/L	<0.01	-	No
	Nitrogen (ammonia)	mg/L	<0.1	-	No
	Phosphorus (total)	mg/L	3.9	-	No
Total Kjeldhal Nitrogen	mg/L	2.1	-	No	
Chlorophyll 'a'	µg/L	55	-	No	
Monitoring Point 2	pH	-	8.3	6.5-8.5	No
	BOD5	mg/L	9	20	No
	Total Suspended Solids	mg/L	21	30	No
Sample date: 04/04/2023		Analysis obtained: 19/04/2023		Data published: 21/04/2023	
Monitoring Point 1	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
	Oil and Grease	mg/L	<5	10	No
	pH	-	7.8	6.5-8.5	No
	BOD5	mg/L	6	20	No
	Total Suspended Solids	mg/L	14	30	No
	Conductivity	µS/cm	1042	-	No
	Faecal Coliforms	cfu/100ml	370	-	No
	Nitrate + Nitrite	mg/L	<0.02	-	No
	Nitrogen (ammonia)	mg/L	0.04	-	No
	Phosphorus (total)	mg/L	4.69	-	No
Total Kjeldhal Nitrogen	mg/L	2.5	-	No	
Chlorophyll 'a'	µg/L	135	-	No	
Monitoring Point 2	pH	-	8.1	6.5-8.5	No
	BOD5	mg/L	6	20	No
	Total Suspended Solids	mg/L	10	30	No
Sample date: 02/05/2023		Analysis obtained: 11/05/2023		Data published: 19/05/2023	
Monitoring Point 1	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
	Oil and Grease	mg/L	<5	10	No
	pH	-	8.7	6.5-8.5	No
	BOD5	mg/L	14	20	No
	Total Suspended Solids	mg/L	23	30	No
	Conductivity	µS/cm	954	-	No
	Faecal Coliforms	cfu/100ml	~1500	-	No
	Nitrate + Nitrite	mg/L	0.01	-	No
Nitrogen (ammonia)	mg/L	<0.1	-	No	



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Cemetery Road, Ashford 2361

Licencee: Inverell Shire Council

Monitoring Frequency - Monthly

Monitoring Point 2	Phosphorus (total)	mg/L	5.48	-	No
	Total Kjeldhal Nitrogen	mg/L	2.89	-	No
	Chlorophyll 'a'	µg/L	131	-	No
	pH	-	7.9	6.5-8.5	No
	BOD5	mg/L	4	20	No
	Total Suspended Solids	mg/L	8	30	No

Sample date: 7/06/2023

Analysis obtained: 19/06/2023

Data published: 21/06/2023

	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Oil and Grease	mg/L	<5	10	No
	pH	-	8.1	6.5-8.5	No
	BOD5	mg/L	5	20	No
	Total Suspended Solids	mg/L	12	30	No
	Conductivity	µS/cm	835	-	No
	Faecal Coliforms	cfu/100ml	76	-	No
	Nitrate + Nitrite	mg/L	0.19	-	No
	Nitrogen (ammonia)	mg/L	0.3	-	No
	Phosphorus (total)	mg/L	3.2	-	No
	Total Kjeldhal Nitrogen	mg/L	2.41	-	No
Monitoring Point 2	Chlorophyll 'a'	µg/L	18	-	No
	pH	-	7.9	6.5-8.5	No
	BOD5	mg/L	<2	20	No
	Total Suspended Solids	mg/L	4	30	No

Sample date: 05/07/2023

Analysis obtained: 13/07/2023

Data published: 17/07/2023

	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Oil and Grease	mg/L	<5	10	No
	pH	-	8.1	6.5-8.5	No
	BOD5	mg/L	4	20	No
	Total Suspended Solids	mg/L	2	30	No
	Conductivity	µS/cm	772	-	No
	Faecal Coliforms	cfu/100ml	~24	-	No
	Nitrate + Nitrite	mg/L	1.96	-	No
	Nitrogen (ammonia)	mg/L	0.7	-	No
	Phosphorus (total)	mg/L	3.49	-	No
	Total Kjeldhal Nitrogen	mg/L	1.96	-	No
Monitoring Point 2	Chlorophyll 'a'	µg/L	1	-	No
	pH	-	7.8	6.5-8.5	No
	BOD5	mg/L	<2	20	No
	Total Suspended Solids	mg/L	<2	30	No

Sample date: 02/08/2023

Analysis obtained: 15/08/2023

Data published: 18/08/2023

	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Oil and Grease	mg/L	<5	10	No
	pH	-	8.1	6.5-8.5	No
	BOD5	mg/L	3	20	No
	Total Suspended Solids	mg/L	<2	30	No
	Conductivity	µS/cm	798	-	No
	Faecal Coliforms	cfu/100ml	~36	-	No
	Nitrate + Nitrite	mg/L	0.31	-	No
	Nitrogen (ammonia)	mg/L	0.18	-	No
	Phosphorus (total)	mg/L	5.82	-	No
	Total Kjeldhal Nitrogen	mg/L	1.39	-	No
Monitoring Point 2	Chlorophyll 'a'	µg/L	4	-	No
	pH	-	7.9	6.5-8.5	No
	BOD5	mg/L	<2	20	No



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Total Suspended Solids		mg/L	<2	30	No
Sample date: 06/09/2023	Analysis obtained: 19/09/2023	Data published: 19/09/2023			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Oil and Grease	mg/L	<5	10	No
	pH	-	9.2	6.5-8.5	Yes
	BOD5	mg/L	11	20	No
	Total Suspended Solids	mg/L	3	30	No
	Conductivity	µS/cm	757	-	No
	Faecal Coliforms	cfu/100ml	300	-	No
	Nitrate + Nitrite	mg/L	<0.02	-	No
	Nitrogen (ammonia)	mg/L	1.1	-	No
	Phosphorus (total)	mg/L	4.42	-	No
	Total Kjeldhal Nitrogen	mg/L	1.1	-	No
	Chlorophyll 'a'	µg/L	3	-	No
Monitoring Point 2	pH	-	7.8	6.5-8.5	No
	BOD5	mg/L	10	20	No
	Total Suspended Solids	mg/L	3	30	No
Sample date: 03/10/2023	Analysis obtained: 16/10/2023	Data published: 18/10/2023			
	Pollutant	Units	Measurement	Limit	Exceedance (Yes/No)
Monitoring Point 1	Oil and Grease	mg/L	<5	10	No
	pH	-	8.9	6.5-8.5	Yes
	BOD5	mg/L	<2	20	No
	Total Suspended Solids	mg/L	2	30	No
	Conductivity	µS/cm	829	-	No
	Faecal Coliforms	cfu/100ml	510	-	No
	Nitrate + Nitrite	mg/L	<0.01	-	No
	Nitrogen (ammonia)	mg/L	<0.1	-	No
	Phosphorus (total)	mg/L	6.21	-	No
	Total Kjeldhal Nitrogen	mg/L	1.6	-	No
	Chlorophyll 'a'	µg/L	3	-	No
Monitoring Point 2	pH	-	8.6	6.5-8.5	Yes
	BOD5	mg/L	<2	20	No
	Total Suspended Solids	mg/L	2	30	No
Licence Limit Conditions					
L2: Concentration Limits					
	Pollutant	Units	90 percentile (calculated - annual)	90 percentile licence limit	Exceedance (Yes/No)
Monitoring Point 1	BOD5	mg/L	20		
	Oil & Grease	mg/L	10		
	pH	-	6.5 - 8.5		
	Total Suspended Solids	mg/L	30		
L3: Volume and Mass Limits					
	Pollutant	Units	Limit	Days/year over limit	
Monitoring point 1	Effluent Volume	kL/day	480		
Comments:					

Note: Monthly reporting periods are excluded from the Licence Concentration Limits Conditions if:
 analysis of Monitoring Point 1 exceed 50 µm/L and
 during the exceedance complies with the quality limit

a) Chlorophyll 'a' levels during that months
 b) the liquid waste entering the maturation ponds (Monitoring Point 2)