

Snowy Monaro Regional Council
Monthly Effluent Discharge Test Results
 Jindabyne STP - EPA Licence: 773
 EPA Point 1 (Discharge)

DATE	pH pH	BOD (mg/l)	Oil & Grease (mg/l)	TSS (mg/l)	Faecal C (CFU/100ml)	Ammonia (mg/l) N	Total P (mg/l) P	Total N TKN+NOX	Dissolved Alluminium mg/L	Total Alluminium mg/L	Entered by
21-Feb-24	8.21	1.00	0.50	6.00	32.0	0.20	0.16	0.38	0.04	0.16	CK *
20-Mar-24	8.92	1.00	0.50	3.00	18.0	0.05	0.43	0.52	0.05	0.09	CK *
17-Apr-24	7.99	1.00	0.50	7.00	94.0	0.50	0.46	2.35	0.07	0.14	CK *
15-May-24	7.97	1.00	0.50	3.00	24.0	0.30	0.23	1.16	0.05	0.13	CK *
12-Jun-24	8.15	1.00	0.50	1.00	66.0	0.20	0.12	0.72	0.03	0.06	CK *
10-Jul-24	8.24	1.00	0.50	3.00	6.0	0.05	0.07	1.28	0.03	0.05	CK *
Lowest	7.97	1.00	0.50	1.00	6.00	0.05	0.07	0.38	0.03	0.05	
Mean	8.25	1.00	0.50	3.83	40.00	0.22	0.25	1.07	0.05	0.11	
Highest	8.92	1.00	0.50	7.00	94.00	0.50	0.46	2.35	0.07	0.16	
90%ile	8.58	1.00	0.50	6.50		0.40	0.45	1.82			
100%ile		1.00	0.50	7.00	94.00	0.50	0.46	2.35			

Licence Target										
90%	6.5-8.5	10	2	15	200	2	0.3	10		
100%		15	10	20	600	5	1	15		

Summary of Exceedances	
*The licensee is not taken to have exceeded a quality limit specified in this licence for BOD, TSS or pH if chlorophyll-a is 100µg/L or more at EPA Point 4	
Date	Summary
20/03/2024	Total Phosphorus exceeded the 90th% limit although the plant has been isolated from pond 6 which discharges at EPA Point 1. It is thought that the high phosphorus is due to infiltration.
17/04/2024	Total Phosphorus exceeded the 90th% limit, Council has adjusted the Alum dosing and the phosphorus levels have started lowering at the decant and the discharges. The plant is still isolated from ponds 4-6 and the discharge due to issues with alum dosing.

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Monthly Effluent Discharge Test Results
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EPA Point 2 (Upstream)

<i>DATE</i>	<i>pH</i> <i>pH Unit</i>	<i>BOD</i> <i>(mg/l)</i>	<i>Oil & Grease</i> <i>(mg/l)</i>	<i>TSS</i> <i>(mg/l)</i>	<i>Faecal</i> <i>Coliforms</i> <i>(CFU/100mL)</i>	<i>Ammonia</i> <i>(mg/l) N</i>	<i>Total P</i> <i>(mg/l) P</i>	<i>Total N</i> <i>TKN+NOX</i>	<i>Entered</i> <i>by</i>
21-Feb-24	8.15	1.00	0.05	1.00	72.00	0.05	0.02	0.21	CK
20-Mar-24	8.24	1.00	0.50	1.00	148.00	0.05	0.01	0.40	CK
17-Apr-24	8.24	1.00	0.50	1.00	12.00	0.05	0.02	0.40	CK
15-May-24	8.20	1.00	0.50	1.00	20.00	0.30	0.01	0.69	CK
12-Jun-24	8.22	1.00	0.50	1.00	4.00	0.05	0.02	0.89	CK
11-Jul-24	8.19	1.00	1.00	1.00	2.00	0.05	0.02	1.07	CK
Lowest	8.15	1.00	0.05	1.00	2.00	0.05	0.01	0.21	
Mean	8.21	1.00	0.51	1.00	43.00	0.09	0.02	0.61	
Highest	8.24	1.00	1.00	1.00	148.00	0.30	0.02	1.07	

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Monthly Effluent Discharge Test Results
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 EPA Point 3 (Downstream)

<i>DATE</i>	<i>pH</i> <i>pH Unit</i>	<i>BOD</i> <i>(mg/l)</i>	<i>Oil & Grease</i> <i>(mg/l)</i>	<i>TSS</i> <i>(mg/l)</i>	<i>Faecal</i> <i>Coliforms</i> <i>(CFU/100mL)</i>	<i>Ammonia</i> <i>(mg/l) N</i>	<i>Total P</i> <i>(mg/l) P</i>	<i>Total N</i> <i>TKN+NOX</i>	<i>Entered</i> <i>by</i>
21-Feb-24	8.29	1.00	0.50	4.00	98.00	0.05	0.18	1.03	CK
20-Mar-24	8.28	1.00	0.50	3.00	132.00	0.05	0.15	0.93	CK
17-Apr-24	8.25	1.00	0.50	3.00	32.00	0.05	0.13	1.25	CK
15-May-24	8.20	1.00	0.50	2.00	10.00	0.05	0.09	1.12	CK
12-Jun-24	8.29	1.00	0.50	35.00	60.00	0.05	0.11	1.06	CK
11-Jul-24	8.18	1.00	1.00	18.00	26.00	0.05	0.04	1.17	
Lowest	8.18	1.00	0.50	2.00	10.00	0.05	0.04	0.93	
Mean	8.25	1.00	0.58	10.83	59.67	0.05	0.12	1.09	
Highest	8.29	1.00	1.00	35.00	132.00	0.05	0.18	1.25	

Snowy Monaro Regional Council
Monthly Effluent Discharge Test Results
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 EPA Point 4 (Maturation Pond)

<i>DATE</i>	<i>Chlorophyll-a</i> μg/L	<i>Entered</i> <i>by</i>
21-Feb-24	2590.0	CK
20-Mar-24	542.00	CK
17-Apr-24	464.0	CK
15-May-24	632.00	CK
12-Jun-24	1220.00	CK
11-Jul-24	5080.0	CK
Lowest	464.00	
Mean	1754.67	
Highest	5080.00	

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