

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	Reviewed by	Entered by
22-Feb-23	8.24	1.00	0.50	11.00	160.0	0.20	0.33	1.40	0.02	0.13		CK *
22-Mar-23	8.32	4.00	0.50	32.00	58.0	0.20	0.36	1.61	0.02	0.24		CK
19-Apr-23	8.81	3.00	0.50	11.00	22.0	0.05	0.10	3.71	0.03	0.09		CK *
17-May-23	8.01	1.00	0.50	2.00	42.0	0.10	0.09	5.24	n/a	n/a		CK
14-Jun-23	7.76	1.00	0.50	2.00	9.0	0.10	0.03	4.02	n/a	n/a		CK
12-Jul-23	7.76	1.00	0.50	1.00	4.0	3.70	0.11	12.00	n/a	n/a		CK
09-Aug-23	8.0	1.00	0.50	4.00	26.0	0.10	0.03	8.40	n/a	n/a		CK *
06-Sep-23	7.4	2.00	0.50	3.00	32.00	0.10	0.04	7.43	n/a	n/a		CK *
Lowest	7.43	1.00	0.50	1.00	4.00	0.05	0.03	1.40				
Mean	8.04	1.75	0.50	8.25	44.13	0.57	0.14	5.48				
Highest	8.81	4.00	0.50	32.00	160.00	3.70	0.36	12.00				
90%ile	8.57	3.50	0.50	21.50		1.95	0.35	8.62				
100%ile		4.00	0.50	32.00	160.00	3.70	0.36	12.00				

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
22/02/2023	Total Phosphorus exceeded by 0.03mg/L due to ongoing issue with high Phosphorus concentrations in the sewage inflow which is being removed in decant but returning in the maturation ponds. A monitoring program has been implemented for this.
22/03/2023	Phosphorus exceedance is still occurring due to high phosphorus concentrations entering the sewerage treatment plant. Total Suspended solids is in exceedance of the 100th percentile limit most likely due to the presence of algae and turbidity in the maturation ponds during warm weather even though the algae results did not come back high in test.
12/07/2023	Nitrogen and Ammonia exceedances due to increase in inflow volumes from snow season and issues with aeration settings. Operations have increased aeration and levels since have come down.

Snowy Monaro Regional Council
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>Reviewed</i> <i>by</i>	<i>Entered</i> <i>by</i>
22-Feb-23	8.05	1.00	0.50	1.00	122.00	0.05	0.02	0.44		CK
22-Mar-23	7.54	1.00	0.50	1.00	44.00	0.05	0.03	0.63		CK
19-Apr-23	8.30	1.00	0.50	2.00	52.00	0.05	0.02	0.74		CK
17-May-23	8.24	1.00	0.50	3.00	28.00	0.05	0.01	1.16		CK
14-Jun-23	8.02	1.00	0.50	3.00	8.00	0.05	0.01	1.35		CK
12-Jul-23	8.16	1.00	0.50	1.00	4.00	0.05	0.01	1.45		CK
09-Aug-23	8.15	1.00	0.50	1.00	12.00	0.05	0.01	1.24		CK
06-Sep-23	8.20	1.00	0.50	14.00	28.00	0.05	0.01	0.95		CK
Lowest	7.54	1.00	0.50	1.00	4.00	0.05	0.01	0.44		
Mean	8.08	1.00	0.50	3.25	37.25	0.05	0.01	1.00		
Highest	8.30	1.00	0.50	14.00	122.00	0.05	0.03	1.45		

Snowy Monaro Regional Council
Monthly Effluent Discharge Test Results
 Jindabyne STP - EPA Licence: 773
 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>Reviewed</i> <i>by</i>	<i>Entered</i> <i>by</i>
22-Feb-23	8.15	1.00	0.50	7.00	96.00	0.05	0.15	0.90		CK
22-Mar-23	8.04	1.00	0.50	2.00	206.00	0.05	0.11	0.88		CK
19-Apr-23	8.31	1.00	0.50	3.00	118.00	0.05	0.04	1.77		CK
17-May-23	8.26	1.00	0.50	1.00	12.00	0.05	0.03	2.27		CK
14-Jun-23	8.13	1.00	0.50	3.00	4.00	0.05	0.02	2.29		CK
12-Jul-23	8.18	1.00	0.50	1.00	4.00	0.05	0.03	1.97		CK
09-Aug-23	8.18	1.00	0.50	2.00	8.00	0.05	0.01	4.76		CK
06-Sep-23	8.33	1.00	0.50	11.00	4.00	0.05	0.02	3.68		CK
Lowest	8.04	1.00	0.50	1.00	4.00	0.05	0.01	0.88		
Mean	8.20	1.00	0.50	3.75	56.50	0.05	0.05	2.32		
Highest	8.33	1.00	0.50	11.00	206.00	0.05	0.15	4.76		

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>Reviewed</i> <i>by</i>	<i>Entered</i> <i>by</i>
22-Feb-23	1490.0		CK
22-Mar-23	5.88		CK
19-Apr-23	2350.0		CK
17-May-23	81.90		CK
14-Jun-23	76.40		CK
12-Jul-23	31.0		CK
09-Aug-23	2530.0		CK
06-Sep-23	2220.0		CK
Lowest	5.88		
Mean	1098.15		
Highest	2530.00		

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