

Snowy Monaro Regional Council
Monthly Effluent Discharge Test Results
 Adaminaby STP - EPA Licence: 450
 EPA Point 2 - Final Discharge Effluent Sampling

<i>DATE</i>	<i>pH</i>	<i>TSS (mg/l)</i>	<i>Oil & Grease (mg/l)</i>	<i>BOD (mg/l)</i>	<i>Ammonia (mg/l)</i>	<i>Total N (mg/l) N</i>	<i>Total P (mg/l) P</i>	<i>Aluminium dissolved (mg/L)</i>	<i>Aluminium total (mg/L)</i>	<i>Faecal Coliforms (CFU/100ml)</i>	<i>Entered by</i>
04-Oct-23	7.82	17.00	0.50	6.00	0.50	4.14	0.35	0.05	2.05	1.00	CK
01-Nov-23	7.90	26.00	0.50	4.00	1.00	14.40	0.41	0.07	4.17	1.00	CK
29-Nov-23	7.63	19.00	0.50	5.00	0.05	3.12	0.30	0.05	3.18	0.50	CK
27-Dec-23	6.96	22.00	0.50	1.00	0.05	9.37	0.30	0.02	3.51	0.50	CK
24-Jan-24	7.77	1.00	0.50	1.00	0.05	2.22	0.03	0.05	0.31	0.50	CK
21-Feb-24	7.80	3.00	0.50	1.00	0.05	0.71	0.17	0.06	0.25	0.50	CK
20-Mar-24	7.65	4.00	0.50	1.00	0.05	2.28	0.04	0.03	0.25	0.50	CK
17-Apr-24	7.87	3.00	0.50	1.00	0.05	2.14	0.05	0.08	0.29	0.50	CK
15-May-24	7.12	1.00	0.50	1.00	0.05	2.34	0.04	0.03	0.12	0.50	CK
12-Jun-24	7.77	2.00	0.50	2.00	0.10	2.41	0.10	0.06	0.40	0.50	CK
11-Jul-24	6.75	4.00	0.50	1.00	0.20	12.30	0.17	0.04	0.20	0.50	CK
07-Aug-24	7.78	6.00	0.50	1.00	0.05	5.57	0.15	0.07	0.60	0.50	CK
Lowest	6.75	1.00	0.50	1.00	0.05	0.71	0.03	0.02	0.12	0.50	
Mean	7.57	9.00	0.50	2.08	0.18	5.08	0.18	0.05	1.28	0.58	
Highest	7.90	26.00	0.50	6.00	1.00	14.40	0.41	0.08	4.17	1.00	
90%ile		21.70	0.50	4.90	0.47	12.01	0.35	0.07	3.48	0.95	
100%ile											
Licence Target											
90%	6.5-8.5	15	2	10	2	10	0.5			200	
100%											

Summary of Non-Compliance

Date	Summary
4/10/2023	TSS over the 90th percentile limit due to the lack of grit removal. The repair for this has been ordered.
1/11/2023	TSS over the 90th percentile limit due to the lack of grit removal. The casings have been received, waiting on pumps. Nitrogen higher than the 90th percentile due to operator attempts to keep ammonia under limits.
19/11/2023	TSS over the 90th percentile due to lack of grit removal. The grit pumps were replaced 1/12/2023.
27/12/2023	TSS over the 90th percentile due to high inflow before and on the testing day causing the plant to bypass.
11/07/2023	Total Nitrogen is over the 90th percentile due to cold temperatures in bioreactors. Adjustments have been made to aeration in attempts to bring Nitrogen down.

Snowy Monaro Regional Council
Monthly Effluent Discharge Test Results
 Adaminaby STP - EPA Licence: 450
 EPA Point 5 Upstream

<i>DATE</i>	<i>pH</i>	<i>BOD</i> <i>(mg/l)</i>	<i>Oil & Grease</i> <i>(mg/l)</i>	<i>TSS</i> <i>(mg/l)</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>Faecal</i> <i>Coliforms</i> <i>(CFU/100ml)</i>	<i>Entered</i> <i>by</i>
04-Oct-23	7.90	1.00	0.50	12.00	0.05	0.05	0.44		CK
01-Nov-23	7.76	1.00	0.50	13.00	0.05	0.07	0.50	10	CK
29-Nov-23	7.55	4.00	0.50	23.00	0.05	0.17	1.37	8500	CK
27-Dec-23	7.12	6.00	0.50	31.00	0.05	0.17	2.03	640	CK
24-Jan-24	7.87	12.00	1.00	76.00	0.05	0.10	1.97	68	CK
21-Feb-24	7.66	2.00	0.50	21.00	0.05	0.04	2.13	90	CK
20-Mar-24	7.91	5.00	0.50	19.00	0.05	0.10	0.89	28	CK
17-Apr-24	no water								CK
15-May-24	no water								CK
12-Jun-24	no water								CK
11-Jul-24	no water								CK
7/08/2024	no water								CK
Lowest	7.12	1.00	0.50	12.00	0.05	0.04	0.44	10.00	
Mean	7.68	4.43	0.57	27.86	0.05	0.10	1.33	1556.00	
Highest	7.91	12.00	1.00	76.00	0.05	0.17	2.13	8500.00	

Snowy Monaro Regional Council
Monthly Effluent Discharge Test Results
 Adaminaby STP - EPA Licence: 450
 EPA Point 4 (Downstream)

<i>DATE</i>	<i>pH</i>	<i>BOD</i> <i>(mg/l)</i>	<i>Oil & Grease</i> <i>(mg/l)</i>	<i>TSS</i> <i>(mg/l)</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>Faecal</i> <i>Coliforms</i> <i>(CFU/100ml)</i>	<i>Entered</i> <i>by</i>
04-Oct-23	8.09	2.00	0.50	48.00	0.30	0.24	2.04		CK
01-Nov-23	7.99	3.00	0.50	134.00	1.30	0.41	15.50	1440	CK
29-Nov-23	7.71	4.00	0.50	48.00	0.05	0.18	1.39	500	CK
27-Dec-23	7.12	4.00	0.50	15.00	0.05	0.10	1.87	660	CK
24-Jan-24	7.94	1.00	0.50	4.00	0.05	0.14	1.18	10	CK
21-Feb-24	8.10	1.00	0.50	67.00	0.05	0.06	0.62	9	CK
20-Mar-24	7.45	4.00	0.50	13.00	0.20	0.30	1.24	302	CK
17-Apr-24	no water								CK
15-May-24	no water								CK
12-Jun-24	no water								CK
11-Jul-24	no water								CK
07-Aug-24	no water								CK
Lowest	7.12	1.00	0.50	4.00	0.05	0.06	0.62	9.00	
Mean	7.77	2.71	0.50	47.00	0.29	0.20	3.41	486.83	
Highest	8.10	4.00	0.50	134.00	1.30	0.41	15.50	1440.00	