

Snowy Monaro Regional Council
Monthly Effluent Discharge Test Results
 Berridale STP - EPA Licence: 456
 EPA Point 1 (Discharge)

DATE	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	Reviewed by	Entered by
02-Nov-22	7.80	2.00	0.00	4.00	790.00	0.40	2.67	3.44		CK
23-Nov-22	7.78	1.00	0.00	3.00	1.00	0.20	2.57	3.75	CK	SC
21-Dec-22	7.86	6.00	0.50	10.00	4.00	0.20	4.81	2.91	CK	SC
08-Feb-23	7.66	3.00	0.50	6.00	1.00	0.30	4.75	3.33		CK
22-Feb-23	7.59	2.00	0.50	9.00	4.00	0.40	5.14	3.03		CK
22-Mar-23	7.41	5.00	0.50	12.00	8.00	0.05	2.13	3.44		CK
19-Apr-23	7.95	1.00	0.50	4.00	33.00	0.10	1.52	2.78		CK
24-May-23	7.42	3.00	0.50	11.00	4.00	0.30	0.31	7.05		CK
14-Jun-23	7.07	1.00	0.50	4.00	1440	0.20	1.07	11.20		CK
12-Jul-23	7.4	7.00	0.5	17	15700	0.40	2.45	14.10		CK
11-Aug-23	7.5	9.00	0.5	10	106	2.40	3.46	11.9		CK
06-Sep-23	7.5	3.00	0.5	4	70	0.20	0.87	9.18		CK
Lowest	7.07	1.00	0.00	3.00	1.00	0.05	0.31	2.78		
Mean	7.58	3.58	0.42	7.83	1513.42	0.43	2.65	6.34		
Highest	7.95	9.00	0.50	17.00	15700.00	2.40	5.14	14.10		
90%ile		5.30	0.50	11.30		0.40	4.91	4.74		
100%ile	7.95	6.00	0.50	12.00	790.00	0.40	5.14	7.05		
Licence Target										
90%		10	2	15		1	9	10		
100%	6.5-8.5	20	10	30	100	10	10	25		
Summary of Non-Compliance										
Date	Summary									
2/11/2022	Faecal coliforms above 100th percentile limit due to UV filter, UV filter has since been serviced and updated.									
14/06/2023	Faecal coliforms above 100th percentile limit due to UV filter, UV filter has since been serviced and updated. TN above 90th percentile due to unknown cause.									
12/07/2023	Faecal coliforms above 100th percentile limit due to fault with the UV filter, UV filter lamps have since been replaced. TSS and TN above the 90th percentile limits due to higher inflows from the 8-9th weekend during school holidays. The aeration is being monitored and the final effluent pond cleaned.									
11/08/2023	The high ammonia was reported to the EPA due to the power outage on 9th August. The total nitrogen was also high probably due to the power outage but the operator has had aged testing equipment that has since been replaced allowing for more accurate testing and adjustments to the plant.									

Snowy Monaro Regional Council
Monthly Effluent Discharge Test Results
 Berridale STP - EPA Licence: 456
 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>Reviewed</i> <i>by</i>	<i>Entered</i> <i>by</i>
02-Nov-22	8.06	<2	<1	8.00	<0.1	0.36	0.76		CK
21-Dec-22	7.80	<2	<1	7.00	<0.1	0.04	0.32	CK	SC
11-Aug-23	8.25	1.00	0.50	10.00	0.05	0.03	0.40		CK
Lowest	7.80	1.00	0.50	7.00	0.05	0.03	0.32		
Mean	8.04	1.00	0.50	8.33	0.05	0.14	0.49		
Highest	8.25	1.00	0.50	10.00	0.05	0.36	0.76		

*Monthly sampling required when discharging to the Creek

Snowy Monaro Regional Council
Monthly Effluent Discharge Test Results
 Berridale STP - EPA Licence: 456
 EPA Point 6 (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>Reviewed</i> <i>by</i>	<i>Entered</i> <i>by</i>
02-Nov-22	8.06	<2	<1	7.00	<0.1	0.52	0.96		CK
21-Dec-22	7.80	<2	<1	6.00	<0.1	1.00	0.84	CK	SC
11-Aug-23	7.90	4.00	0.50	18.00	0.80	1.50	5.84		CK
Lowest	7.80	4.00	0.50	6.00	0.80	0.52	0.84		
Mean	7.92	4.00	0.50	10.33	0.80	1.01	2.55		
Highest	8.06	4.00	0.50	18.00	0.80	1.50	5.84		

*Monthly sampling required when discharging to the Creek

Snowy Monaro Regional Council
Monthly Effluent Discharge Test Results
 Berridale STP - EPA Licence: 456
 EPA Point 7 (Golf Course)

<i>DATE</i>	<i>pH</i>	<i>TSS</i> (mg/l)	<i>Faecal C</i> (CFU/100ml)	<i>Ammonia</i> (mg/l) N	<i>Total P</i> (mg/l) P	<i>Total N</i> TKN+NOX	<i>Electrical</i> <i>Conductivity</i> μS/m	<i>Reviewed</i> by	<i>Entered</i> by
23-Nov-22	9.80	2	1	0.05	0.76	0.88	39.0	CK	SC
08-Feb-23	9.29	1	4	0.05	1.74	0.95	42.6		CK
22-Feb-23	9.20	1	6	0.05	1.74	0.9	41.5		CK
22-Mar-23	8.19	1	8	0.10	2.95	1.2	44.1		CK
19-Apr-23	8.04	3	1	0.05	0.01	0.2	8.2		CK
24-May-23	7.62	1	1	0.05	0.02	0.2	6.4		CK
14-Jun-23	7.07	4	1	0.05	1.48	2.4	44.4		CK
12-Jul-23	7.80	1	1	0.20	1.18	2.96	45.3		CK
06-Sep-23	9.11	5	1	0.05	0.76	2.29	44.5		CK
Lowest	7.07	1.00	1.00	0.05	0.01	0.15			
Mean	8.46	2.11	2.67	0.07	1.18	1.32			
Highest	9.80	5.00	8.00	0.20	2.95	2.96			

*Monthly sampling required when discharging to the golf course

Snowy Monaro Regional Council
Monthly Effluent Discharge Test Results
 Berridale STP - EPA Licence: 456
 Pre-UV Faecal Coliforms

<i>DATE</i>	<i>Faecal C (CFU/100ml)</i>	<i>Reviewed by</i>	<i>Entered by</i>
02-Nov-22	4200.00		CK
23-Nov-22	10400.00	CK	SC
21-Dec-22	3500.00	CK	SC
08-Feb-23			
22-Feb-23	46200.00		CK
22-Mar-23	5500.00		CK
19-Apr-23	108.00		CK
24-May-23	10800.00		CK
14-Jun-23	1100.00		CK
12-Jul-23	24000		CK
11-Aug-23	31000		CK
06-Sep-23	3800		CK
Lowest	108.00		
Mean	12782.55		
Highest	46200.00		