

**Snowy Monaro Regional Council**  
**Monthly Effluent Discharge Test Results**

Adaminaby STP - EPA Licence: 450

EPA Point 2 - Final Discharge Effluent Sampling

| DATE                  | pH      | TSS<br>(mg/l) | Oil &<br>Grease<br>(mg/l) | BOD<br>(mg/l) | Ammonia<br>(mg/l) | Total N<br>(mg/l) N | Total P<br>(mg/l) P | Aluminium<br>dissolved<br>(mg/L) | Aluminium<br>total<br>(mg/L) | Faecal<br>Coliforms<br>(CFU/100ml) | Entered<br>by |
|-----------------------|---------|---------------|---------------------------|---------------|-------------------|---------------------|---------------------|----------------------------------|------------------------------|------------------------------------|---------------|
| 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            |
| 04-Sep-24             | 7.33    | 21.00         | 1.00                      | 4.00          | 0.10              | 6.81                | 0.49                | 0.05                             | 3.12                         | 0.50                               | EA            |
| Lowest                | 6.75    | 1.00          | 0.50                      | 1.00          | 0.05              | 0.71                | 0.03                | 0.02                             | 0.12                         | 0.50                               |               |
| Mean                  | 7.55    | 9.92          | 0.54                      | 2.23          | 0.18              | 5.22                | 0.20                | 0.05                             | 1.42                         | 0.58                               |               |
| Highest               | 7.90    | 26.00         | 1.00                      | 6.00          | 1.00              | 14.40               | 0.49                | 0.08                             | 4.17                         | 1.00                               |               |
| 90%ile                |         | 21.80         | 0.50                      | 4.80          | 0.44              | 11.71               | 0.40                | 0.07                             | 3.44                         | 0.90                               |               |
| 100%ile               |         |               |                           |               |                   |                     |                     |                                  |                              |                                    |               |
| <b>Licence Target</b> |         |               |                           |               |                   |                     |                     |                                  |                              |                                    |               |
| 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.  |
| 4/09/2024  |   |

TSS exceeded the 90th percentile limit on 04/09/24 due to cold temperatures in bioreactors.