

2022 MAY 05

**Table 1 – Toxicity Results (2022 January to March)**

| WNSL-W1-2311.00/2022<br>Appendix B.1 Phase 1 Release Limits for Liquid Effluent |                          | Monthly Results from Sample Analysis |          |       |
|---|--------------------------|--------------------------------------|----------|-------|
| Parameter   | Monthly Average Limits   | January                              | February | March |
| Toxicity Testing  | Effluent cannot be toxic | PASS                                 | PASS     | PASS  |

**Table 2 – Effluent Results (2022 January to March)**

| Parameter                  | Units | Action Levels | Release Limit (monthly mean) | Release Limit (weekly composite) | Maximum Weekly Results |          |       | Monthly Average |          |        |
|----------------------------|-------|---------------|------------------------------|----------------------------------|------------------------|----------|-------|-----------------|----------|--------|
|                            |       |               |                              |                                  | January                | February | March | January         | February | March  |
| Radium-226                 | Bq/L  | 0.05          | 0.37                         | 0.74                             | 0.005                  | 0.005    | 0.005 | 0.005           | 0.005    | 0.005  |
| Total Arsenic (As)         | µg/L  | 50            | 100                          | 200                              | 12.1                   | 15.6     | 7.8   | 10.5            | 13.8     | 6.7    |
| Total Cadmium (Cd)         | µg/L  | 1             | 1                            | 2                                | 0.003                  | 0.003    | 0.006 | 0.003           | 0.003    | 0.0042 |
| Total Cobalt (Co)          | µg/L  | 5             | 5                            | 10                               | 0.29                   | 0.45     | 2.2   | 0.28            | 0.37     | 0.56   |
| Total Copper (Cu)          | µg/L  | 5             | 5                            | 10                               | 0.20                   | 0.20     | 2.30  | 0.20            | 0.20     | 0.82   |
| Total Molybdenum (Mo)      | µg/L  | 50            | -                            | -                                | 1.7                    | 2.0      | 1.0   | 1.52            | 1.7      | 0.84   |
| Total Phosphorus (P)       | mg/L  | 0.35          | 0.35                         | 0.7                              | 0.02                   | 0.03     | 0.02  | 0.02            | 0.02     | 0.01   |
| Total Selenium (Se)        | µg/L  | 20            | 30                           | 60                               | 0.05                   | 0.04     | 0.04  | 0.04            | 0.04     | 0.04   |
| Total Thallium (Tl)        | µg/L  | 0.5           | 8                            | 16                               | 0.005                  | 0.01     | 0.005 | 0.005           | 0.005    | 0.005  |
| Total Uranium (U)          | µg/L  | 100           | 100                          | 200                              | 4.0                    | 3.8      | 1.8   | 3.0             | 3.4      | 1.5    |
| Total Vanadium (V)         | µg/L  | 5             | 40                           | 80                               | 0.22                   | 0.28     | 0.23  | 0.16            | 0.26     | 0.15   |
| Total Ammonia-N            | mg/L  | 5.75          | 5.75                         | 11.5                             | 0.19                   | 0.29     | 0.11  | 0.17            | 0.22     | 0.09   |
| Nitrite (NO <sub>2</sub> ) | mg/L  | 1.5           | 1.5                          | 3                                | 0.10                   | 0.09     | 0.08  | 0.10            | 0.07     | 0.06   |
| Nitrate (NO <sub>3</sub> ) | mg/L  | 75            | 75                           | 150                              | 0.06                   | 0.06     | 0.06  | 0.06            | 0.06     | 0.06   |
| pH                         | pH    | 6.5-8.5       | 6-9.5                        | <6 or >9.5                       | 7.40                   | 7.44     | 7.31  | 7.31            | 7.37     | 7.08   |
| Total Suspended Solids     | mg/L  | 15            | 15                           | 30                               | 2.0                    | 1.0      | 2.0   | 1.3             | 1.0      | 1.4    |

Notes: "<" denotes results were below minimum detection limit