

2021 NOVEMBER 08

**Table 1 – Toxicity Results (2021 July to September)**

| WNSL-W1-2311.02/2021<br>Appendix B.1 Phase 1 Release Limits for Liquid Effluent |                          | Monthly Results from Sample Analysis |        |           |
|---|--------------------------|--------------------------------------|--------|-----------|
| Parameter   | Monthly Average Limits   | July                                 | August | September |
| Toxicity Testing  | Effluent cannot be toxic | PASS                                 | PASS   | PASS      |

**Table 2 – Effluent Results (2021 July to September)**

| Parameter                  | Units | Action Levels | Release Limit (monthly mean) | Release Limit (weekly composite) | Maximum Weekly Results |        |           | Monthly Average |        |           |
|----------------------------|-------|---------------|------------------------------|----------------------------------|------------------------|--------|-----------|-----------------|--------|-----------|
|                            |       |               |                              |                                  | July                   | August | September | July            | August | September |
| Radium-226                 | Bq/L  | 0.05          | 0.37                         | 0.74                             | <0.005                 | <0.005 | 0.006     | <0.005          | <0.005 | 0.0052    |
| Total Arsenic (As)         | µg/L  | 50            | 100                          | 200                              | 30.7                   | 15.7   | 12.2      | 24              | 12.9   | 9.9       |
| Total Cadmium (Cd)         | µg/L  | 1             | 1                            | 2                                | 0.005                  | <0.003 | 0.01      | 0.0043          | <0.003 | 0.0048    |
| Total Cobalt (Co)          | µg/L  | 5             | 5                            | 10                               | 3.53                   | 0.709  | 0.438     | 2.28            | 0.58   | 0.39      |
| Total Copper (Cu)          | µg/L  | 5             | 5                            | 10                               | 3.5                    | 6      | 0.4       | 1.03            | 2.13   | 0.25      |
| Total Molybdenum (Mo)      | µg/L  | 50            | -                            | -                                | 5.22                   | 2.23   | 0.81      | 3.5             | 1.45   | 0.71      |
| Total Phosphorus (P)       | mg/L  | 0.35          | 0.35                         | 0.7                              | 0.071                  | 0.011  | 0.05      | 0.046           | 0.007  | 0.021     |
| Total Selenium (Se)        | µg/L  | 20            | 30                           | 60                               | <0.04                  | <0.04  | <0.04     | <0.04           | <0.04  | <0.04     |
| Total Thallium (Tl)        | µg/L  | 0.5           | 8                            | 16                               | <0.005                 | <0.005 | <0.005    | <0.005          | <0.005 | <0.005    |
| Total Uranium (U)          | µg/L  | 100           | 100                          | 200                              | 2.37                   | 0.76   | 0.95      | 1.58            | 0.55   | 0.55      |
| Total Vanadium (V)         | µg/L  | 5             | 40                           | 80                               | 1.25                   | 0.38   | 0.35      | 0.89            | 0.32   | 0.31      |
| Total Ammonia-N            | mg/L  | 5.75          | 5.75                         | 11.5                             | 0.41                   | 0.4    | 0.44      | 0.29            | 0.28   | 0.16      |
| Nitrite (NO <sub>2</sub> ) | mg/L  | 1.5           | 1.5                          | 3                                | 0.59                   | 0.4    | <0.3      | 0.28            | 0.26   | <0.3      |
| Nitrate (NO <sub>3</sub> ) | mg/L  | 75            | 75                           | 150                              | 0.09                   | 0.16   | 0.08      | 0.07            | 0.12   | 0.068     |
| pH                         | pH    | 6.5-8.5       | 6-9.5                        | <6 or >9.5                       | 7.91                   | 7.77   | 7.99      | 7.54            | 7.54   | 7.64      |
| Total Suspended Solids     | mg/L  | 15            | 15                           | 30                               | 1                      | <1     | 1         | <1              | <1     | 1         |

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