| A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|

**Civil Engineering Services**

**Sub-directorate: Water Purification, Sewerage Treatment and Sanitation (Vacuum Tanker Services)**

**Potable Water Quality Monitoring**

**Microbiological Determinands: Risk - Acute Health**

**Nov-22**

| Number | Laboratory | Sample Point | Lab ref | Date | E Coli/Count/ 100ml (Limit=10) | Passed/ Failed | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | A.L. Abbott & Associates | AH SEPTEMBER WATERWORKS WATER | 36833 | 2022-12-05 | 0 | Passed | |
| 2 | A.L. Abbott & Associates | LOUIEVALE DORP WTP WATER | 36834 | 2022-12-05 | 0 | Passed | |
| 3 | A.L. Abbott & Associates | LEERKRANS WTP WATER | 36835 | 2022-12-05 | 0 | Passed | |
| 4 | A.L. Abbott & Associates | RAASWATER WTP WATER | 36836 | 2022-12-05 | 0 | Passed | |
| 5 | A.L. Abbott & Associates | KAROS WTP WATER | 36837 | 2022-12-05 | 0 | Passed | |
| 6 | A.L. Abbott & Associates | LAMBRECHTSDRIFT WTP WATER | 36838 | 2022-12-05 | 0 | Passed | |
| 7 | A.L. Abbott & Associates | LESEDING WTP WATER | 36839 | 2022-12-05 | 0 | Passed | |
| 8 | A.L. Abbott & Associates | NTSIKELELO WTP WATER | 36840 | 2022-12-05 | 0 | Passed | |
| 9 | A.L. Abbott & Associates | AH 1 WATER | 39380 | 2022-12-06 | 0 | Passed | |
| 10 | A.L. Abbott & Associates | AH 2 WATER | 39387 | 2022-12-06 | 0 | Passed | |
| 11 | A.L. Abbott & Associates | AH 3 WATER | 39386 | 2022-12-06 | 0 | Passed | |
| 12 | A.L. Abbott & Associates | AH 4 WATER | 39381 | 2022-12-06 | 0 | Passed | |
| 13 | A.L. Abbott & Associates | AH 5 WATER | 39385 | 2022-12-06 | 0 | Passed | |
| 14 | A.L. Abbott & Associates | AH 12 WATER | 39388 | 2022-12-06 | 0 | Passed | |
| 15 | A.L. Abbott & Associates | AH 34 WATER | 38748 | 2022-12-06 | 0 | Passed | |
| 16 | A.L. Abbott & Associates | AH 36 WATER | 39389 | 2022-12-06 | 0 | Passed | |
| 17 | A.L. Abbott & Associates | AH 35 WATER | 39384 | 2022-12-06 | 172 | Failed | Contaminated sample as AH 4 and 34 did not fail this is from same source |
| 18 | A.L. Abbott & Associates | AH 37 WATER | 39390 | 2022-12-06 | 0 | Passed | |
| 19 | A.L. Abbott & Associates | AH 40 WATER | 39392 | 2022-12-06 | 0 | Passed | |
| 20 | A.L. Abbott & Associates | AH 41 WATER | 39393 | 2022-12-06 | 0 | Passed | |
| 21 | A.L. Abbott & Associates | AH 42 WATER | 39394 | 2022-12-06 | 0 | Passed | |
| 22 | A.L. Abbott & Associates | AH 43 WATER | 39397 | 2022-12-06 | 0 | Passed | |
| 23 | A.L. Abbott & Associates | UPINGTON WTP | 7891 | 2022-12-06 | 0 | Passed | |
| 24 | A.L. Abbott & Associates | KAROS WTP | 7890 | 2022-12-06 | 0 | Passed | |
| 25 | A.L. Abbott & Associates | LESEDING WTP | 7886 | 2022-12-06 | 0 | Passed | |
| 26 | A.L. Abbott & Associates | LOUIEVALEDORP WTP | 7885 | 2022-12-06 | 0 | Passed | |
| 27 | A.L. Abbott & Associates | LEERKRANS WTP | 7888 | 2022-12-06 | 0 | Passed | |
| 28 | A.L. Abbott & Associates | LAMBRECHTSDRIFT WTP | 7889 | 2022-12-06 | 0 | Passed | |
| 29 | A.L. Abbott & Associates | RAASWATER WTP | 7884 | 2022-12-06 | 0 | Passed | |
| 30 | A.L. Abbott & Associates | NTSIKELELO WTP | 7887 | 2022-12-06 | 0 | Passed | |
| 31 | A.L. Abbott & Associates | AH 9 WATER | 39408 | 2022-12-07 | 0 | Passed | |
| 32 | A.L. Abbott & Associates | AH 10 WATER | 39404 | 2022-12-07 | 0 | Passed | |
| 33 | A.L. Abbott & Associates | AH 31 WATER | 39405 | 2022-12-07 | 0 | Passed | |
| 34 | A.L. Abbott & Associates | AH 32 WATER | 39406 | 2022-12-07 | 0 | Passed | |
| 35 | A.L. Abbott & Associates | AH 33 WATER | 39407 | 2022-12-07 | 0 | Passed | |
| 36 | A.L. Abbott & Associates | LV 1 WATER | 39411 | 2022-12-07 | 0 | Passed | |
| 37 | A.L. Abbott & Associates | LV 2 WATER | 39410 | 2022-12-07 | 0 | Passed | |
| 38 | A.L. Abbott & Associates | LES 1 WATER | 39409 | 2022-12-07 | 0 | Passed | |
| 39 | A.L. Abbott & Associates | LES 2 WATER | 39410 | 2022-12-07 | 0 | Passed | |
| 40 | A.L. Abbott & Associates | R 1 WATER | 39413 | 2022-12-07 | 0 | Passed | |
| 41 | A.L. Abbott & Associates | R 2 WATER | 39417 | 2022-12-07 | 0 | Passed | |
| 42 | A.L. Abbott & Associates | WEL 2 WATER | 39771 | 2022-12-07 | 0 | Passed | |
| 43 | A.L. Abbott & Associates | KM 1 WATER | 39756 | 2022-12-07 | 2 | Failed | |
| 44 | A.L. Abbott & Associates | ASK 1 WATER | 39749 | 2022-12-07 | 0 | Passed | |
| 45 | A.L. Abbott & Associates | ASK 2 WATER | 39750 | 2022-12-07 | 0 | Passed | |
| 46 | A.L. Abbott & Associates | ASKHAM RESERVOIR WATER | 39751 | 2022-12-07 | 0 | Passed | |
| 47 | A.L. Abbott & Associates | RIET 1 WATER | 39754 | 2022-12-07 | 0 | Passed | |
| 48 | A.L. Abbott & Associates | RIET 2 WATER | 39755 | 2022-12-07 | 0 | Passed | |
| 49 | A.L. Abbott & Associates | RIETFONTEIN RESERVOIR WATER | 39766 | 2022-12-07 | 0 | Passed | |
| 50 | A.L. Abbott & Associates | SWART 1 WATER | 39768 | 2022-12-07 | 0 | Passed | |
| 51 | A.L. Abbott & Associates | SWART 2 WATER | 39767 | 2022-12-07 | 0 | Passed | |
| 52 | A.L. Abbott & Associates | SWARTKOPDAM RESERVOIR WATER | 39769 | 2022-12-07 | 0 | Passed | |
| 53 | A.L. Abbott & Associates | WEL 1 WATER | 39770 | 2022-12-07 | 0 | Passed | |
| 54 | A.L. Abbott & Associates | WELKOM RESERVOIR WATER | 39772 | 2022-12-07 | 0 | Passed | |
| 55 | A.L. Abbott & Associates | LOU 1 WATER | 39773 | 2022-12-07 | 0 | Passed | |
| 56 | A.L. Abbott & Associates | LOU 2 WATER | 39774 | 2022-12-07 | 0 | Passed | |
| 57 | A.L. Abbott & Associates | LOUBOS RESERVOIR WATER | 39775 | 2022-12-07 | 0 | Passed | |
| 58 | A.L. Abbott & Associates | K 2 WATER | 40064 | 2022-12-08 | 0 | Passed | |
| 59 | A.L. Abbott & Associates | L 1 WATER | 40062 | 2022-12-08 | 0 | Passed | |
| 60 | A.L. Abbott & Associates | L 2 WATER | 40063 | 2022-12-08 | 0 | Passed | |
| 61 | A.L. Abbott & Associates | UK 1 WATER | 40064 | 2022-12-08 | 0 | Passed | |
| 62 | A.L. Abbott & Associates | UK 2 WATER | 40065 | 2022-12-08 | 0 | Passed | |
| 63 | A.L. Abbott & Associates | N 1 WATER | 40066 | 2022-12-08 | 0 | Passed | |
| 64 | A.L. Abbott & Associates | N 2 WATER | 40067 | 2022-12-08 | 0 | Passed | |
| 65 | A.L. Abbott & Associates | AH 6 WATER | 40043 | 2022-12-08 | 0 | Passed | |
| 66 | A.L. Abbott & Associates | AH 7 WATER | 40058 | 2022-12-08 | 0 | Passed | |
| 67 | A.L. Abbott & Associates | AH 8 WATER | 40060 | 2022-12-08 | 0 | Passed | |
| 68 | A.L. Abbott & Associates | AH 11 WATER | 40046 | 2022-12-08 | 0 | Passed | |
| 69 | A.L. Abbott & Associates | AH 13 WATER | 40047 | 2022-12-08 | 0 | Passed | |
| 70 | A.L. Abbott & Associates | AH 14 WATER | 40059 | 2022-12-08 | 0 | Passed | |
| 71 | A.L. Abbott & Associates | AH 15 WATER | 40048 | 2022-12-08 | 0 | Passed | |
| 72 | A.L. Abbott & Associates | AH 17 WATER | 40049 | 2022-12-08 | 0 | Passed | |
| 73 | A.L. Abbott & Associates | AH 18 WATER | 40050 | 2022-12-08 | 0 | Passed | |
| 74 | A.L. Abbott & Associates | AH 19 WATER | 40037 | 2022-12-08 | 0 | Passed | |
| 75 | A.L. Abbott & Associates | AH 20 WATER | 40051 | 2022-12-08 | 0 | Passed | |
| 76 | A.L. Abbott & Associates | AH 21 WATER | 40052 | 2022-12-08 | 0 | Passed | |
| 77 | A.L. Abbott & Associates | AH 22 WATER | 40038 | 2022-12-08 | 0 | Passed | |
| 78 | A.L. Abbott & Associates | AH 23 WATER | 40053 | 2022-12-08 | 0 | Passed | |
| 79 | A.L. Abbott & Associates | AH 24 WATER | 40039 | 2022-12-08 | 0 | Passed | |
| 80 | A.L. Abbott & Associates | AH 25 WATER | 40054 | 2022-12-08 | 0 | Passed | |
| 81 | A.L. Abbott & Associates | AH 26 WATER | 40055 | 2022-12-08 | 0 | Passed | |
| 82 | A.L. Abbott & Associates | AH 27 WATER | 40040 | 2022-12-08 | 0 | Passed | |
| 83 | A.L. Abbott & Associates | AH 28 WATER | 40056 | 2022-12-08 | 0 | Passed | |
| 84 | A.L. Abbott & Associates | AH 29 WATER | 40041 | 2022-12-08 | 0 | Passed | |
| 85 | A.L. Abbott & Associates | AH 30 WATER | 40057 | 2022-12-08 | 0 | Passed | |
| 86 | A.L. Abbott & Associates | AH 39 WATER | 40042 | 2022-12-08 | 0 | Passed | |
| 87 | A.L. Abbott & Associates | K 1 WATER | 40061 | 2022-12-08 | 0 | Passed | |
| 88 | A.L. Abbott & Associates | LAMBRECHTSDRIFT RESERVOIR | 40045 | 2022-12-08 | 0 | Passed | |
| 89 | A.L. Abbott & Associates | KAROS RESERVOIR | 40068 | 2022-12-08 | 0 | Passed | |
| 90 | A.L. Abbott & Associates | LEERKRANS RESERVOIR | 40069 | 2022-12-08 | 0 | Passed | |
| 91 | A.L. Abbott & Associates | NTSIKELELO RESERVOIR | 40070 | 2022-12-08 | 0 | Passed | |
| 92 | A.L. Abbott & Associates | KOPEL RESERVOIR | 40071 | 2022-12-08 | 0 | Passed | |
| 93 | A.L. Abbott & Associates | MELKSTROOM RESERVOIR | 40072 | 2022-12-08 | 0 | Passed | |
| 94 | A.L. Abbott & Associates | PABALELO RESERVOIR | 40073 | 2022-12-08 | 0 | Passed | |
| 95 | A.L. Abbott & Associates | LOUIEVALE DORP WTP WATER | 40484 | 2022-12-12 | 0 | Passed | |
| 96 | A.L. Abbott & Associates | KAROS WTP WATER | 40485 | 2022-12-12 | 0 | Passed | |
| 97 | A.L. Abbott & Associates | LAMBRECHTSDRIFT WTP WATER | 40486 | 2022-12-12 | 0 | Passed | |
| 98 | A.L. Abbott & Associates | LEERKRANS WTP WATER | 40487 | 2022-12-12 | 0 | Passed | |
| 99 | A.L. Abbott & Associates | LESEDING WTP WATER | 40488 | 2022-12-12 | 0 | Passed | |
| 100 | A.L. Abbott & Associates | NTSIKELELO WTP WATER | 40489 | 2022-12-12 | 0 | Passed | |
| 101 | A.L. Abbott & Associates | RAASWATER WTP WATER | 40500 | 2022-12-12 | 0 | Passed | |
| 102 | A.L. Abbott & Associates | AH SEPTEMBER WATERWORKS WATER | 40637 | 2022-12-13 | 0 | Passed | |
| 103 | A.L. Abbott & Associates | GROOTMIER RESERVOIR OPVOLG WATER | 40748 | 2022-12-15 | 0 | Passed | |
| 104 | A.L. Abbott & Associates | KM 1 OPVOLG WATER | 40748 | 2022-12-15 | 0 | Passed | |
| 105 | A.L. Abbott & Associates | KM 2 OPVOLG WATER | 40749 | 2022-12-15 | 0 | Passed | |
| 106 | A.L. Abbott & Associates | KLEIN MIER RESERVOIR OPVOLG WATER | 40747 | 2022-12-15 | 2 | Failed | |
| **106** | | | | | **3** | | |

Sampling only took place once as the lab closed on 15-Dec.

Acute Health Determinand that poses an immediate unacceptable health risk. If present, at concentration values exceeding the numerical limits specified.
Operational Determinand that is essential for assessing the efficient operation of treatment systems and risks to infrastructure.

| | | |
|---|---|---|
| **Total number of samples taken for the month** | **106** | |
| **Total number of samples passed for the month** | **103** | |
| **Total number of samples failed for the month** | **3** | |
| **Percentage of compliant water samples for the month** | **97.2%** | |