

U.A.F. Facilities Services
 Utilities Operations - Water Treatment
 Monthly "In-House" Water Analysis
 2012

Raw Water
 (Untreated - non potable)

| Month | P - Alk mg/l | M - Alk mg/l | Hardness mg/l CaCO ₃ | Silica mg/l | Iron mg/l | pH | Manganese mg/l | Conductivity µS | Geist Well No. |
|-----------|-----------------|-----------------|------------------------------------|----------------|--------------|------|-------------------|--------------------|-------------------|
| January | 0 | 348 | 348 | 24.0 | 12.7 | 7.06 | 1.0 | 735 | #1-30hp |
| February | 0 | 336 | 324 | 33.0 | 15.1 | 7.14 | 1.0 | 698 | #1-30hp |
| March | 0 | 352 | 338 | 19.0 | 14.2 | 7.01 | 1.1 | 716 | #1-30hp |
| April | 0 | 356 | 342 | 37.0 | 11.1 | 6.94 | 0.9 | 720 | #2-30hp |
| May | 0 | 365 | 350 | 30.0 | 14.0 | 7.07 | 1.0 | 700 | #2-30hp |
| June | 0 | 351 | 354 | 24.0 | 17.1 | 7.11 | 1.1 | 776 | #1-30hp |
| July | 0 | 349 | 371 | 22.0 | 13.5 | 7.09 | 0.9 | 735 | #1-30hp |
| August | 0 | 354 | 390 | 28.0 | 15.6 | 7.00 | 1.0 | 755 | #1-30hp |
| September | 0 | 368 | 354 | 30.0 | 10.9 | 6.95 | 0.7 | 703 | #2-30hp |
| October | 0 | 350 | 376 | 28.0 | 14.1 | 7.04 | 2.5 | 710 | #2-30hp |
| November | 0 | 361 | 364 | 16.0 | 15.5 | 6.94 | 2.0 | 774 | #1-30hp |
| December | 0 | 342 | 342 | 20.0 | 11.0 | 7.08 | 0.8 | 690 | #2-30hp |
| | 0 | 353 | 354 | 25.9 | 13.7 | 7.04 | 1.2 | 726 | |
| Averages | P - Alk | M - Alk | Hardness | Silica | Iron | pH | Manganese | Conductivity | |

Domestic Water
 (Finished - potable)

| Month | P - Alk mg/l | M - Alk mg/l | Hardness mg/l CaCO ₃ | Silica mg/l | Iron mg/l | pH | Manganese mg/l | Conductivity µS | Polyphosphate mg/l | Chlorine mg/l |
|-----------|-----------------|-----------------|------------------------------------|----------------|--------------|------|-------------------|--------------------|-----------------------|------------------|
| January | 0 | 356 | 334 | 19.0 | 0.009 | 7.59 | 0.094 | 723 | 1.41 | 0.71 |
| February | 0 | 342 | 358 | 17.0 | 0.012 | 7.62 | 0.086 | 719 | 1.53 | 0.92 |
| March | 0 | 334 | 350 | 22.0 | 0.015 | 7.70 | 0.112 | 735 | 1.29 | 0.48 |
| April | 0 | 324 | 362 | 18.0 | 0.018 | 7.54 | 0.195 | 717 | 1.49 | 0.56 |
| May | 0 | 330 | 356 | 20.0 | 0.011 | 7.60 | 0.056 | 700 | 1.22 | 0.47 |
| June | 0 | 324 | 348 | 11.0 | 0.015 | 7.54 | 0.061 | 756 | 1.51 | 0.68 |
| July | 0 | 328 | 360 | 15.0 | 0.012 | 7.53 | 0.072 | 732 | 1.48 | 0.27 |
| August | 0 | 314 | 356 | 21.0 | 0.028 | 7.57 | 0.042 | 731 | 1.47 | 0.11 |
| September | 0 | 316 | 332 | 23.0 | 0.024 | 7.64 | 0.046 | 681 | 1.80 | 0.30 |
| October | 0 | 304 | 340 | 19.0 | 0.028 | 7.60 | 0.058 | 687 | 1.35 | 0.27 |
| November | 0 | 309 | 340 | 21.0 | 0.026 | 7.61 | 0.057 | 716 | 2.24 | 0.62 |
| December | 0 | 302 | 320 | 23.0 | 0.025 | 7.43 | 0.031 | 632 | 1.43 | 0.45 |
| | 0.0 | 324 | 346 | 19.1 | 0.019 | 7.58 | 0.076 | 711 | 1.52 | 0.49 |
| Averages | P - Alk | M - Alk | Hardness | Silica | Iron | pH | Manganese | Conductivity | Phosphate | Chlorine |