

| Water Sample Test Comparison / New Madrid County Well # 2 |          |           |           |           |           |           |           |           |           |
|---|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Nutrients   | CWA      |           |           |           |           |           |           |           |           |
|   |          | Oct. 2017 | May. 2018 | Oct. 2018 | May. 2019 | Oct. 2019 | May. 2020 | Oct. 2020 | May. 2021 |
| PH  |          | 6.5       | 7.41      | 6.51      | 6.41      | 6.3       | 6.3       | 6.6       | 6.27      |
| NH4N ppm  | 2.00 ppm | 2.8       | 0.1       | 2         | 0.2       |           |           |           |           |
| NH3N ppm  |          |           |           |           |           | 0.43      | 0.17      | 1.09      | 2.57      |
| N03N ppm  | 10.00ppm | 2.4       | 12.3      | 2.9       | 16.2      | 2.57      | 5.49      | 2.95      | 6.77      |
| Phosphrous  | 1.00ppm  | 0.05      | 0.1       | 0.05      | 0.1       | 0.01      | 0.01      | 0.01      |           |
| Potassium   |          | 1         | 1.25      | 1         | 2         | 2.7       | 2.2       | 2.6       | 2.4       |
| Calcium   |          | 47        | 55.5      | 43        | 40        | 43.5      | 38.2      | 44.2      | 42        |
| Magnesium   |          | 23        | 22.9      | 23        | 25        | 26        | 17.6      | 26        | 27.1      |
| SO4-S   |          | 8         | 7.08      | 10.6      | 7.2       | 5.25      | 7.25      | 3.65      | 7         |
| Arsenic-Ar  |          |           |           |           |           |           | <.001     | <0.0010   |           |

CWA = Clean Water Act Threshold

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|------------------|
|                  |
|                  |
| <b>Oct. 2021</b> |
| 6.25             |
|                  |
| 0.01             |
| 2.18             |
| 0.01             |
| 2.49             |
| 34.29            |
| 21.37            |
| 9.66             |
|                  |