

**Water Sample Test Comparison/Pemiscot County Well #4**

| <b>Nutrients</b> | <b>CWA</b> |                  |                  |                  |                  |                 |                  |
|------------------|------------|------------------|------------------|------------------|------------------|-----------------|------------------|
|                  |            | <b>May. 2020</b> | <b>Oct. 2020</b> | <b>May. 2021</b> | <b>Oct. 2021</b> | <b>May 2022</b> | <b>Oct. 2022</b> |
| PH               |            | 6.4              | 6.6              | 6.3              | 6.23             | 6.59            | 6.41             |
| NH4N ppm         | 2.00 ppm   |                  |                  |                  |                  |                 |                  |
| NH3N ppm         |            | 0.6              | 0.56             | 0.82             | 0.42             | 1.47            | 0.18             |
| NO3N ppm         | 10.00ppm   | 0.53             | 0.7              | 0.19             | 0.01             | 0.01            | 0.31             |
| Phosphrous       | 1.00ppm    | 0.01             | 0.01             |                  | 0.01             | 0.25            | 0.05             |
| Potassium        |            | 2.7              | 2.6              | 2.2              | 2.49             | 2.82            | 3.00             |
| Calcium          |            | 47.6             | 55.5             | 47.8             | 50.03            | 47.04           | 55.30            |
| Magnesium        |            | 16               | 24.6             | 24.4             | 23.99            | 21.81           | 24.10            |
| SO4-S            |            | 11.7             | 8.3              | 17.4             | 25.7             | 76.92           | 22.10            |
| Arsenic-Ar       |            | 0.0072           | 0.0076           |                  |                  |                 |                  |

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|------------------|------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|
|                  |            | <b>May 2023</b> | <b>Oct. 2023</b> | <b>May 2024</b> | <b>Oct. 2024</b> | <b>May 2025</b> | <b>Oct. 2025</b> |
| PH               |            | 6.29            | 6.82             | 6.75            | 6.66             | 6.73            | Well             |
| NH4N ppm         |            |                 |                  |                 |                  |                 | problems         |
| NH3N ppm         |            | 0.58            | 0.95             | 1.47            | 0.13             | 2.37            |                  |
| NO3N ppm         |            | 0.47            | 2.08             | 0.69            | 0.70             | 0.63            |                  |
| Phosphrous       |            | 0.01            | 0.01             | 0.01            | 0.01             | 0.01            |                  |
| Potassium        |            | 2.4             | 2.1              | 2.6             | 2.4              | 3.05            |                  |
| Calcium          |            | 42              | 46.5             | 42.06           | 40.08            | 39.23           |                  |
| Magnesium        |            | 17.6            | 22.1             | 21.3            | 20.67            | 20.87           |                  |
| SO4-S            |            | 22.6            | 22.7             | 45.05           | 27.92            | 21.66           |                  |
| Arsenic-Ar       |            |                 |                  |                 |                  |                 |                  |

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| <b>Nutrients</b> | <b>CWA</b> |                 |  |  |  |  |  |
|------------------|------------|-----------------|--|--|--|--|--|
|                  |            | <b>May 2026</b> |  |  |  |  |  |
| PH               |            | 6.77            |  |  |  |  |  |
| NH4N ppm         |            |                 |  |  |  |  |  |
| NH3N ppm         |            | 0.34            |  |  |  |  |  |
| N03N ppm         |            | 0.01            |  |  |  |  |  |
| Phosphrous       |            | 0.01            |  |  |  |  |  |
| Potassium        |            | 3.25            |  |  |  |  |  |
| Calcium          |            | 49.78           |  |  |  |  |  |
| Magnesium        |            | 23.58           |  |  |  |  |  |
| SO4-S            |            | 21.11           |  |  |  |  |  |
| Arsenic-Ar       |            |                 |  |  |  |  |  |

CWA = Clean Water Act Threshold