MODEL IRRIGATION DISTRICT NO. 18

2018 ANNUAL WATER QUALITY DATA REPORT

Listed below are the drinking water contaminants that we detected during the 2018 calendar year. The presence of any contaminant in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1-December 31, 2018. The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Exceed**  **MCL** | **Exceed**  **MCLG** | **Level Detected** | **Likely Source of Contamination** |
| **Microbiology**  tests taken during the year at all well sites & sample stations  Total Coliform Bacteria  Fecal Coliform and E. Coli | NO  NO | NO  NO | All tests satisfactory. | Naturally present in the environment, and from industrial or domestic wastewater discharges, mining or farming and livestock productions. |
| **Inorganic Chemicals**  As required. (36 IOCs per well site)  Oct 26, 2010, Not required until 2019  Herbicides, Pesticides  Nitrate All Satisfactory  Arsenic tested October 26, 2010-Not required until 2019 | NO  NO  NO | NO  NO  NO | All tests below MCL.  All test - Normal | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits. |
| **Synthetic Organic Compounds**  Tested for 74 SOC’s per well site on 2/24/2014 | NO | NO | All results – N/D (None Detected within the sensitivity of the instrument. | By product of industrial processes & petroleum production, leaking petroleum storage tanks, cleaning. |
| **Volatile Organic Compounds**  All wells tested for 58 VOC’s  June, 1, 2011, Not required until 2019 | NO | NO | None Detected | Solvent spills/discharges into storm drains or sewers. |
| **Lead and Copper**  23+ homes tested 6/8/18 | NO | NO | None Detected | Leaching from metal water pipes and fittings. |
| **Radionuclides**  Tested for radionuclides in December 2015. Required every 3 to 6 years. | NO | NO | None Detected | Naturally occurring in the environment. |

**TERMS AND ABBREVIATIONS**

* **ND**: *non detectable at testing limit*
* ***pCi/l:*** *picocuries per liter (a measure of* radiation)
* **Maximum Contaminant Level (MCL):** the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
* **Maximum Contaminant Level Goal (MCLG):** the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
* **Action Level (AL):** the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
* **Turbidity:** a single day or series of consecutive days, when one or more turbidity measurement each day exceeds 5 NTU (nephelometric turbidity unit). Indicates possible microbiological excess.

**Please feel free to contact us if you have any questions(509-926-5759)!**