

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
<u>Microbiology</u> 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.
<u>Inorganic Chemicals</u> 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.
<u>Synthetic Organic Compounds</u> 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.
<u>Volatile Organic Compounds</u> 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.
<u>Lead and Copper</u> 23+ homes tested 6/8/18	NO	NO	None Detected	Leaching from metal water pipes and fittings.
<u>Radionuclides</u> 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)!

Model Irrigation District #18

2019 NEWSLETTER

MISSION STATEMENT: Model Irrigation believes we have one of the best drinking water sources available. We are constantly striving to keep it supplied to you, our customer, in a pristine form at an economical rate.

DISTRICT PHILOSOPHY: As a public water system, representing the people in our area, Model strives to make it our duty to provide the best service and quality at the lowest economical rate, while conforming to local, state, and federal regulations.

THE YEAR 2019:

- Model is upgrading the water main from 16TH and University to 33rd. City of the valley is doing a pavement upgrade and is working with Model on this project, saving the water district 75% on pavement and compaction testing.
- Model is going to be replacing old 4" and 6" inch water main, with 18", with new valving at every intersection. Model had to get its first bond loan of \$1.5 million to pay for this project. The benefit of getting 7000 linear feet of new main, all at once in the ground, is going to save the Water District a great deal of money.

2019 ANNUAL BASIC RATE for water use is \$290. 40 per residence, in which charges are based on meter size, and is collected as an assessment through the Spokane County Treasurer. The homeowner pays basic water through the assessments, but the District bills all excess water charges separately.

2019 EXCESS RATES begin after 3000 cubic feet (cf) of water that is used every 6 months. You are charged .30 cents per hundred cf for the first 25,000 of excess use and .35 cents per hundred cf for excess use over 25,000 cf.

Note: 100 cf = 748 gallons. (1,000 cf = 7,481 gallons of water). **METERS** are read April 1st and October 1st.

In 2018, the District performed 232 drinking water contaminant tests. Water quality details are included of the opposite page. Also, included information about how your drinking water meets and/or exceeds Environmental Protection Agency (EPA) and state standards. We are committed to providing you with this information because informed customers are our best allies.

You can help! Maintain your sprinkler system. Check all sprinkler zones monthly, check for brown spots and holes in the lawn around sprinkler heads, water can be leaking from seals and rotors. To use our water supply wisely, don't water on windy days or during the heat of the day. Did you know when sprinkler heads wear out; they use more gallons per minute, but with less coverage? When lines break, and heads blow out, water is wasted. This can happen at any time; so save water and money by checking your system regularly.

ALL SPRINKLER SYSTEMS require **backflow protection** to protect our water quality.

Please notify our office of any changes in billing information.

WATER CONSERVATION KITS (Indoor and Outdoor) are available at the office. Toilet flapper valves are free at our office; we will give you one each per bathroom toilet in

your residence, as needed. Conservation nozzles and hose repair kits are also free.

HOUSEHOLD LEAKS last year, we found that 6% of homes in the District have leaks. The leaks cost you money. Take a few minutes to check toilets, faucets, sprinkler systems, etc. We continue to check household usage. If a problem is detected, you will receive a letter and a District representative will visit to help you identify the problem(s).

Please welcome our new District Secretary, Karen Parker, she is a huge benefit to our front office and to Model Irrigation.

WASHINGTON STATE'S WATER USE EFFICIENCY (WUE) standards require that all districts have less than **10%** lost water. Model's 2018 lost water was only **2.8%**, **2016 was 4.9%**. Thank you for helping us use water wisely, and meet our WUE goals.

YOUR CONSUMER CONFIDENCE REPORT (CCR) IS ELECTRONIC!! You can access the District's report and newsletter, WWW.spokaneaquifer.org. We will also be mailing them out this year

We will also be updating our website, with a new company to save money. The site may be down for a couple months.

Bank cards are no longer accepted, due to excessive fees, we will still be accepting cash or check at our office.

BOARD MEETINGS are held on the 4th Tuesday of every month at 3:00 p.m. Meetings are subject to change, call 926-5759 to verify time and date if you would like to attend. Your participation is welcome!

MODEL IRRIGATION is available **24 HOURS A DAY** at **926-5759**. Please leave a message with the answering service. In case of emergency, the answering service will contact the person on call for help.

We are open here at the office: Monday through Friday 7:00AM to 3:30PM.

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