



Salt River Lehi Water System 2021 WATER QUALITY REPORT

WELCOME MESSAGE

The Salt River Pima-Maricopa Indian Community Public Works Department is pleased to provide you with the 2021 Consumer Confidence Report (CCR) for the Salt River Lehi Water System No. 090400706. This CCR, also known as a Water Quality Report, summarizes the results of tests and measurements performed at the SRPMIC water production facilities and throughout the water distribution system for the 2021 calendar year. These tests and measurements ensure that we deliver the highest quality of water to you. In reading the report, you will discover that your tap water met or surpassed all federal drinking water health standards as set by the Environmental Protection Agency. The Public Works Department is committed to providing the highest quality drinking water and in ensuring that the Community has adequate water sources to meet its current and future needs. We encourage you to read the report to learn more about the water delivered to your home. We value your trust in our ability to provide high quality water service. Thank you for allowing us the opportunity to serve you.

Sincerely,
Public Works Department
Salt River Pima-Maricopa Indian Community

PROJECTS WITHIN YOUR WATER SYSTEM

As the Community continues to grow, the SRPMIC Public Works Department, with support from SRPMIC Council, makes it a priority to continually work to improve your water infrastructure and facilities. In 2019, we installed a new 6-inch water main on Palm Lane from Horne to Gilbert Road and in 2021, a 6-inch water main was installed on Qwaaq Uunye, Shuumaash Uunye and Vsopo Uunye. In 2022, a new 6-inch water main will be installed on Fraser Dr and Xma Uunye.

PROTECTING OUR LOCAL WATER SOURCES

The EPA conducted a sanitary survey for the water production facilities in 2019. During the survey, there was no deficiency that present a serious health risk. Next sanitary survey is scheduled in 2024. The Public Works Department ensures the safety of your drinking water by continuously monitoring the treated water as required by drinking water regulations.

WHERE DOES OUR WATER COME FROM?

Your primary water comes from one (1) ground water source and City of Mesa's water as a backup water source.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

To ensure the tap water is safe to drink, the EPA prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration regulations establish limits for contaminants in bottled water. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of these contaminants does not necessarily indicate that the water poses a health risks. The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals, in some cases, radioactive material, and substances results from the presence of animals or from human activity. Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, that may be from wastewater treatment plants, septic systems, agricultural livestock operations, or wildlife;
- Inorganic contaminants, such as salts and metals, that can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, that may come from a variety of sources such as agriculture, urban storm water runoff and residential uses;
- Organic chemical contaminants, including synthetic and volatile organic chemicals, that are byproducts of industrial processes, petroleum production, and can also come from gas stations, urban storm water runoff, septic systems; and
- Radioactive contaminants that can be naturally occurring or can be the result of oil and gas production and mining activities. The presence of contaminants does not necessarily indicate that water poses a health risk.

More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791).

As the Federal regulations require, we routinely test your drinking water for numerous contaminants. These contaminants include: total coliform, inorganic compounds, nitrate, nitrite, lead and copper, volatile organic compounds, total trihalomethanes (TTHMs), haloacetic acids (HAA5), radiological and synthetic organic compounds.

SRPMIC- Water Quality Data for Year 2021

Table of Detected Substances

The table presented below depicts which compounds were detected in your drinking water. The EPA allows us to test for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.

Substance	Violation Yes/No	Year Sampled	Average or Maximum	Unit	MCLG	Regulatory Limit (MCL, MRDL, TT or AL)	Typical Source
			Range				

Disinfectant and Disinfection Byproducts

Total Trihalomethanes	No	2021	3.2	ppb	NA	80 LRAA	Byproduct of drinking water disinfection
Chlorine	No	2021	1.0	ppb	MRDLG =4	MRDL= 4 RAA	Water additive used to control microbes
			0.5-1.2				

Lead and Copper ^(1,2)

Lead and Copper							
Copper	No	2020	0.02	ppm	1.3	90% taps tested must not exceed 1.3	Internal corrosion of household water plumbing systems
			0 sites over AL				
Lead	No	2020	ND	ppb	0	90% of taps tested must not exceed 15	Internal corrosion of household water plumbing systems
			0 sites over AL				

Inorganics

Nitrate	No	2021	0.26	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; Erosion of natural deposits
Arsenic ⁽³⁾	No	2021	6.9	ppb	0	10 Highest RAA	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
			6.1-7.2				
Sodium	No	2021	140	ppm	NA	NA	Naturally occurring
Barium	No	2021	0.018	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Fluoride	No	2021	0.36	ppm	4	4	Erosion of natural deposits; discharge from fertilizer and aluminum factories.

Microbiological Testing

We are required to test your water regularly for signs of microbial contamination. Positive test results could lead to follow-up investigations called assessments and potentially the issuance of public health advisories. Assessments could lead to required corrective actions. The information below summarizes the results of those tests.

Sampling Requirements	Sampling Conducted (months)	Total <i>E. coli</i> Positive	Assessment Triggers	Assessments Conducted
1 sample due monthly	12 out of 12	0	0	0

Substance	Violation Yes/No	Year Sampled	Average or Maximum	Unit	MCLG	Regulatory Limit (MCL, MRDL, TT or AL)	Typical Source
			Range				
2021 Detected Regulated Substances at Point Where Water Leaves the City of Mesa Treatment Facility (backup water supplier)							
Arsenic	No	2021	10.8 ⁷	ppb	0	10 (Highest RAA)	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
			1.2-10.8				
Barium	No	2021	0.1	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
			0.005-0.11				
Chromium, Total	No	2021	24	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits.
			ND-24				
Fluoride	No	2021	1.1	ppm	4	4	Erosion of natural deposits; discharge from fertilizer and aluminum factories.
			0.1-1.1				
Nitrate ⁴	No	2021	6.5	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
			ND-6.5				
Sodium	No	2021	190	ppm	NA	NA	Erosion of natural deposits
			53-190				
Dibromochloropropane	No	2021	26	ppt	0	200	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards.
			ND-26				
Dichloromethane	No	2021	0.5	ppb	0	5	Discharge from pharmaceutical and chemical factories.
			ND-0.5				
Tetrachloroethylene	No	2021	0.6	ppb	0	5	Discharge from factories and dry cleaners
			ND-0.6				
Trichloroethylene	No	2021	0.5	ppb	0	5	Discharge from metal degreasing sites and other factories.
			ND-0.5				
Alpha Particles	No	2021	5.0	pCi/L	15	0	Erosion of natural deposits
			1.8-5.0				
Turbidity ⁵	No	2021	99% of monthly measurements were less than or equal to 0.3 NTU	NTU		TT: No value can exceed 1 NTU and at least 95% of monthly samples must be less than or equal to 0.3 NTU	Soil Runoff
			Highest Monthly Measurements = 1.96 NTU ⁶				
Bromide (Raw)	NA	2018-2019	80	ppb	Unregulated contaminant monitoring helps EPA to determine where certain contaminants occur and whether the agency should consider regulating those contaminants in the future. MCLs (Maximum Contaminant Levels) and MCLGs (Maximum Contaminant Level Goals) have not been established for all unregulated contaminants. For more information, visit www.epa.gov/dwucmr/third-unregulated-contaminant-monitoring-rule		
			72-93				
Total Organic Carbon (Raw)	NA	2018-2019	3.5	ppm			
			3.1-3.8				
Quinoline	NA	2018-2019	0.04	ppb			
			ND-0.05				
Manganese, Total	NA	2018-2019	1.6	ppb			
			0.4-10.0				
Germanium, Total	NA	2018-2019	0.6	ppb			
			0.3-1.3				

Footnotes:

- 1- The level presented represents the 90th percentile of the 10 sites tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the copper values detected at your water system. The action level for copper was not exceeded at any of the sites tested.
- 2- The level presented represents the 90th percentile of the 10 samples collected. The action level for lead was not exceeded at any of the sites tested.
- 3- This level represents the highest locational running annual average calculated from data collected. EPA have promulgated a drinking water arsenic standard of 10 parts per billion. While your drinking water meets the standard for arsenic, it does contain low levels of arsenic. The standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effect of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.
- 4- Nitrate in drinking water at levels above 10 mg/l is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.
- 5- Turbidity refers to cloudiness of water. Turbidity has no health effects, but can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. The City of Mesa Treatment Facility monitors this as an indicator of the effectiveness of its filtration system.

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| 6- | City of Mesa note: The City of Phoenix (Mesa-Phoenix Water Treatment Plant) was issued a violation for Treatment Technique (TT) for one turbidity sample in January 2021. Compliance was restored upon submission of the report. SRPMIC did not use City of Mesa's water in January 2021. |
| 7- | Mesa reported highest arsenic as 10.8 ppb at one of their well sites collected in the fourth quarter 2021. This is the only result available for this well. SRPMIC did not use City of Mesa's water during the fourth quarter 2021. |

WHAT DOES THIS INFORMATION MEAN?

As you can see by the table, our system had no violations in 2021. We have learned through our testing that some contaminants have been detected; however, these contaminants were detected below the level allowed by the EPA.

IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

During 2021, our system was in compliance with applicable Federal drinking water operating, monitoring and reporting requirements.

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Although our drinking water met or exceeded federal regulations, some people may be more vulnerable to disease causing microorganisms or pathogens in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium*, *Giardia* and other microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791).

DRINKING WATER AND LEAD

Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. There are no known lead service lines in our water distribution system. We are responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. It is possible that lead levels at your home in the community may be higher than at others because of plumbing materials used in your property. If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Infants and young children are typically more vulnerable to lead in drinking water than the general population. You can minimize the potential for lead exposure, when your water has been sitting for several hours, by flushing your tap for 30 seconds to 2 minutes (or until the water temperature has changed) before using water for drinking or cooking. If you are concerned about lead levels in your water, you may wish to have your water tested. Additional information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the USEPA's Safe Drinking Water Hotline 800-426-4791, or at <https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water>.

KEY WATER QUALITY TERMS

The following are definitions of key terms referring to standards and goals of water quality noted on the data table.

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.

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.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

Nephelometric Turbidity Units (NTU): A Measure of clarity.

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

pCi/L: Picocuries per liter; a measure of radioactivity.

LRAA (Locational Running Annual Average): The running annual average of sample data collected at one location.

RAA (Running Annual Average): Moving average based upon the previous twelve months (or four quarters) of monitoring data.

Milligrams per liter (mg/l): Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

Micrograms per liter (ug/l): Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Non-Detects (ND): Laboratory analysis indicates that the constituent is not present.

NA: Not applicable.

WHY SAVE WATER AND HOW TO AVOID WASTING IT?

Although our system has an adequate amount of water to meet present and future demands, there are a number of reasons why it is important to conserve water:

- Saving water reduces the cost of energy required to pump water.
- Saving water lessens the strain on the water system during a dry spell or drought.

You can play a role in conserving water by becoming conscious of the amount of water your household is using, and by looking for ways to use less whenever you can. It is not hard to conserve water. Conservation tips include:

- Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it and you can save almost 6,000 gallons per year.
- Check your toilets for leaks by putting a few drops of food coloring in the tank, watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from one of these otherwise invisible toilet leaks. Fix it and you can save more than 30,000 gallons a year.

WHERE TO LEARN MORE ABOUT THE QUALITY OF OUR WATER

Please feel free to contact the number provided below for a translated copy of the report if you need it in another language. For more information or to request a printed copy of this report, please contact the Public Works Department at 480-362-5600, M-F 8AM-5PM. You can also mail your questions to the Public Works Department, 10005 East Osborn Road, Scottsdale, Arizona 85256.

You may also call the EPA's Safe Drinking Water Hotline for information about the Safe Drinking Water Act or EPA's other drinking water programs at 800-426-4791.



Salt River Pima Maricopa Indian Community
10005 East Osborn Road
Scottsdale, Arizona 85256

