

Annual Drinking Water Quality Report for 2019
Saunders Creek Home Owners Association
95691 Saunders Creek Road
(Public Water Supply ID# 41-01201)

INTRODUCTION

To comply with State regulations, Saunders Creek Home Owners Cooperative will be issuing an annual report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. Last year, we conducted tests for over 80 contaminants. This report provides an overview of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to State standards.

If you have any questions about this report or concerning your drinking water, please contact Mac, the park manager 541-698-6015. Jeromy Barto and Mac have been certified by the state of Oregon. We want you to be informed about your drinking water. If you want to learn more, please attend any of our regularly scheduled park board meetings on the third Tuesday of the month at 6:00 pm.

WHERE DOES OUR WATER COME FROM?

In general, 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 and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the State and the EPA prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Our water system serves about 70 people through 44 service connections). Our water source is groundwater drawn from one 70-foot deep drilled well which is located between space 7 and space 33.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

As the State regulations require, we routinely test your drinking water for numerous contaminants. These contaminants are depicted in the table below and which compounds were detected in your drinking water. The State 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.

It should be noted that all drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. 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) or Curry Community Health, Kent Downs 541-813-2535 ext 2354.

As the State regulations require, we routinely test your drinking water for numerous contaminants. These contaminants include: total coliform, turbidity, inorganic compounds, nitrate, nitrite, lead and copper, volatile organic compounds, total trihalomethanes, and synthetic organic compounds. Only one of the compounds we analyzed for were detected in our drinking water.

Recent Coliform Test Results - PWS ID: 01201 ---- SAUNDERS CREEK HOC

Sample Date	# Samples	Sample Type	Coliform Type	Results ID	Repeat of Sample ID	Sample Site	Facility	CI Residual	Receive Date
Dec 02, 2019	1	RT	Total	Absent--20191895		#22	DIST-A		Dec 04, 2019
Nov 04, 2019	1	RT	Total	Absent--20191759		7A	DIST-A		Nov 06, 2019
Oct 07, 2019	1	RT	Total	Absent--20191581		#11A	DIST-A		Oct 09, 2019
Sep 09, 2019	1	RT	Total	Absent--20191384		#25	DIST-A		Sep 12, 2019
Jul 31, 2019	1	RT	Total	Absent--20191151		#8	DIST-A		Aug 02, 2019
Jul 08, 2019	1	RT	Total	Absent--20191018		#9	DIST-A		Jul 11, 2019
Jun 04, 2019	1	RT	Total	Absent--20190824		#12	DIST-A		Jun 07, 2019
Apr 29, 2019	1	RT	Total	Absent--20190611		14A	DIST-A		May 01, 2019
Apr 08, 2019	1	RT	Total	Absent--20190510		#33	DIST-A		Apr 10, 2019
Mar 04, 2019	1	RT	Total	Absent--20190319		#1A	DIST-A		Mar 06, 2019
Feb 05, 2019	1	RT	Total	Absent--20190190		#13	DIST-A		Feb 07, 2019
Jan 02, 2019	1	RT	Total	Absent--20190012		14	DIST-A		Jan 04, 2019
Jan 02, 2019	1	AS	Total	Absent--20190011		WELL HEAD RAW	SRC-AA		Jan 04, 2019

Coliform or other bacteria in drinking or swimming water will not necessarily make you ill. However, since these organisms are present, other disease-causing organisms may also be present. Health symptoms related to drinking or swallowing water contaminated with bacteria generally range from no ill effects to cramps and diarrhea (gastrointestinal distress).

Latest Chemical Results - PWS ID: 01201 ---- SAUNDERS CREEK HOC

Sample ID	Sample Date	Receive Date	Chemical	Source ID	Results	Current MCL	UOM
1910343	10/07/2019	10/22/2019	BROMATE		EP-A	ND 0.0100000	MG/L
1908014001	07/31/2019	08/27/2019	BROMATE		EP-A	ND 0.0100000	MG/L
1908017001	07/31/2019	08/28/2019	ANTIMONY, TOTAL		EP-A	ND 0.0060000	MG/L
1908017001	07/31/2019	08/28/2019	BERYLLIUM, TOTAL		EP-A	ND 0.0040000	MG/L
1908017001	07/31/2019	08/28/2019	SELENIUM		EP-A	ND 0.0500000	MG/L
1908017001	07/31/2019	08/28/2019	THALLIUM, TOTAL		EP-	ND 0.0020000	MG/L

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1908017001-I	07/31/2019	08/28/2019	ARSENIC	EP-A	ND	0.0100000	MG/L
1908017001-I	07/31/2019	08/28/2019	BARIUM	EP-A	0.0505000	2.0000000	MG/L
1908017001-I	07/31/2019	08/28/2019	CADMIUM	EP-A	ND	0.0050000	MG/L
1908017001-I	07/31/2019	08/28/2019	CHROMIUM	EP-A	ND	0.1000000	MG/L
1908017001-I	07/31/2019	08/28/2019	CYANIDE	EP-A	ND	0.2000000	MG/L
1908017001-I	07/31/2019	08/28/2019	FLUORIDE	EP-A	ND	4.0000000	MG/L
1908017001-I	07/31/2019	08/28/2019	MERCURY	EP-A	ND	0.0020000	MG/L
1908017001-I	07/31/2019	08/28/2019	NICKEL	EP-A	ND	0.1000000	MG/L
1908017001-I	07/31/2019	08/28/2019	NITRATE	EP-A	0.3130000	10.0000000	MG/L
1908017001-I	07/31/2019	08/28/2019	NITRATE-NITRITE	EP-A	0.3130000	10.0000000	MG/L
1908017001-I	07/31/2019		NITRITE	EP-A	ND	1.0000000	MG/L
1908017001-I	07/31/2019	08/28/2019	SODIUM	EP-A	7.2500000		MG/L
1908017002-S	07/31/2019	08/28/2019	1,2-DIBROMO-3-CHLOROPROPANE	EP-A	ND	0.0002000	MG/L
1908017002-S	07/31/2019	08/28/2019	2,4,5-TP	EP-A	ND	0.0500000	MG/L
1908017002-S	07/31/2019	08/28/2019	2,4-D	EP-A	ND	0.0700000	MG/L
1908017002-S	07/31/2019	08/28/2019	ATRAZINE	EP-A	ND	0.0030000	MG/L
1908017002-S	07/31/2019	08/28/2019	BENZO(A)PYRENE	EP-A	ND	0.0002000	MG/L
1908017002-S	07/31/2019	08/28/2019	BHC-GAMMA	EP-A	ND	0.0002000	MG/L
1908017002-S	07/31/2019	08/28/2019	CARBOFURAN	EP-A	ND	0.0400000	MG/L
1908017002-S	07/31/2019	08/28/2019	CHLORDANE	EP-A	ND	0.0020000	MG/L
1908017002-S	07/31/2019	08/28/2019	DALAPON	EP-A	ND	0.2000000	MG/L
1908017002-S	07/31/2019	08/28/2019	DI(2-ETHYLHEXYL) ADIPATE	EP-A	ND	0.4000000	MG/L
1908017002-S	07/31/2019	08/28/2019	DI(2-ETHYLHEXYL) PHTHALATE	EP-	ND	0.0060000	MG/L

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1908017002-S	07/31/2019	08/28/2019	DINOSEB	EP-A	ND	0.0070000	MG/L
1908017002-S	07/31/2019	08/28/2019	DIQUAT	EP-A	ND	0.0200000	MG/L
1908017002-S	07/31/2019	08/28/2019	ENDOTHALL	EP-A	ND	0.1000000	MG/L
1908017002-S	07/31/2019	08/28/2019	ENDRIN	EP-A	ND	0.0020000	MG/L
1908017002-S	07/31/2019	08/28/2019	ETHYLENE DIBROMIDE	EP-A	ND	0.0000500	MG/L
1908017002-S	07/31/2019	08/28/2019	GLYPHOSATE	EP-A	ND	0.7000000	MG/L
1908017002-S	07/31/2019	08/28/2019	HEPTACHLOR	EP-A	ND	0.0004000	MG/L
1908017002-S	07/31/2019	08/28/2019	HEPTACHLOR EPOXIDE	EP-A	ND	0.0002000	MG/L
1908017002-S	07/31/2019	08/28/2019	HEXACHLOROBENZENE	EP-A	ND	0.0010000	MG/L
1908017002-S	07/31/2019	08/28/2019	HEXACHLOROCYCLOPENTADIENE	EP-A	ND	0.0500000	MG/L
1908017002-S	07/31/2019	08/28/2019	LASSO	EP-A	ND	0.0020000	MG/L
1908017002-S	07/31/2019	08/28/2019	METHOXYCHLOR	EP-A	ND	0.0400000	MG/L
1908017002-S	07/31/2019	08/28/2019	OXAMYL	EP-A	ND	0.2000000	MG/L
1908017002-S	07/31/2019	08/28/2019	PENTACHLOROPHENOL	EP-A	ND	0.0010000	MG/L
1908017002-S	07/31/2019	08/28/2019	PICLORAM	EP-A	ND	0.5000000	MG/L
1908017002-S	07/31/2019	08/28/2019	SIMAZINE	EP-A	ND	0.0040000	MG/L
1908017002-S	07/31/2019	08/28/2019	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-A	ND	0.0005000	MG/L
1908017002-S	07/31/2019	08/28/2019	TOXAPHENE	EP-A	ND	0.0030000	MG/L
1908017003-V	07/31/2019	08/28/2019	1,1,1-TRICHLOROETHANE	EP-A	ND	0.2000000	MG/L
1908017003-V	07/31/2019	08/28/2019	1,1,2-TRICHLOROETHANE	EP-A	ND	0.0050000	MG/L
1908017003-V	07/31/2019	08/28/2019	1,1-DICHLOROETHYLENE	EP-A	ND	0.0070000	MG/L
1908017003-V	07/31/2019	08/28/2019	1,2,4-TRICHLOROBENZENE	EP-A	ND	0.0700000	MG/L
1908017003-V	07/31/2019	08/28/2019	1,2-DICHLOROETHANE	EP-	ND	0.0050000	MG/L

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1908017003-V	07/31/2019	08/28/2019	1,2-DICHLOROPROPANE	EP-A	ND	0.0050000	MG/L
1908017003-V	07/31/2019	08/28/2019	BENZENE	EP-A	ND	0.0050000	MG/L
1908017003-V	07/31/2019	08/28/2019	CARBON TETRACHLORIDE	EP-A	ND	0.0050000	MG/L
1908017003-V	07/31/2019	08/28/2019	CHLOROBENZENE	EP-A	ND	0.1000000	MG/L
1908017003-V	07/31/2019	08/28/2019	CIS-1,2-DICHLOROETHYLENE	EP-A	ND	0.0700000	MG/L
1908017003-V	07/31/2019	08/28/2019	DICHLOROMETHANE	EP-A	ND	0.0050000	MG/L
1908017003-V	07/31/2019	08/28/2019	ETHYLBENZENE	EP-A	ND	0.7000000	MG/L
1908017003-V	07/31/2019	08/28/2019	O-DICHLOROBENZENE	EP-A	ND	0.6000000	MG/L
1908017003-V	07/31/2019	08/28/2019	P-DICHLOROBENZENE	EP-A	ND	0.0750000	MG/L
1908017003-V	07/31/2019	08/28/2019	STYRENE	EP-A	ND	0.1000000	MG/L
1908017003-V	07/31/2019	08/28/2019	TETRACHLOROETHYLENE	EP-A	ND	0.0050000	MG/L
1908017003-V	07/31/2019	08/28/2019	TOLUENE	EP-A	ND	1.0000000	MG/L
1908017003-V	07/31/2019	08/28/2019	TRANS-1,2-DICHLOROETHYLENE	EP-A	ND	0.1000000	MG/L
1908017003-V	07/31/2019	08/28/2019	TRICHLOROETHYLENE	EP-A	ND	0.0050000	MG/L
1908017003-V	07/31/2019	08/28/2019	VINYL CHLORIDE	EP-A	ND	0.0020000	MG/L
1908017003-V	07/31/2019	08/28/2019	XYLENES, TOTAL	EP-A	ND	10.0000000	MG/L
1904C74001	04/29/2019	05/10/2019	BROMATE	EP-A	ND	0.0100000	MG/L
1901418001	01/09/2019	01/24/2019	BROMATE	EP-A	ND	0.0100000	MG/L

Definitions:

The definitions for MCL, MCLG, MRDL, and MRDLG are required in all Annual Water Quality Reports

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.

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

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.

Nephelometric Turbidity Unit (NTU): A measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

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).

Nanograms per liter (ng/l): Corresponds to one part of liquid to one trillion parts of liquid (parts per trillion - ppt).

Picograms per liter (pg/l): Corresponds to one part per of liquid to one quadrillion parts of liquid (parts per quadrillion – ppq).

Picocuries per liter (pCi/L): A measure of the radioactivity in water.

Millirems per year (mrem/yr): A measure of radiation absorbed by the body.

Million Fibers per Liter (MFL): A measure of the presence of asbestos fibers that are longer than 10 micrometers.

Nitrate (must be included when detected above 5 mg/l, but below 10 mg/l)

As you can see by the table, our system had no violations, but we have learned through our testing that some contaminants have been detected; however, these contaminants were detected below Oregon State requirements. Although nitrate was detected below the MCL, it was detected at 0.2200000 which is greater than one-half of the MCL. Therefore, we are required to present the following information on nitrate in drinking water:

“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.”

As you can see by the chemical table, our system had no violations. We have learned through our testing that some contaminants have been detected; however, these contaminants were detected below current federal drinking water requirements.

IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

We have met all testing and state reporting and are in full compliance at this time. We want to assure you that we are doing everything in order to meet the State Oregon Rules and Regulations to stay in compliance with all testing and reporting on our water system. Mac does yearly training and is certified by the state to do the water testing.

Monitoring:

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. Some testing is required on a monthly basis while testing for other materials is done by the schedules posted below.

Chemical Sampling Schedule Status									
Facility ID	Analyte or Group		Sampling Interval	Monitoring Period Start	Monitoring Period End	Days Until End	Samples Required	Samples Received	Last Sample Date
DIST-A Distribution System	LEAD & COPPER	notes	3 Years				5	done	09/04/2018
Seasonal sampling period: 06/01 thru 09/30									
DIST-A Distribution System	STAGE 2 DBP	notes	3 Years	01/01/2020 - 12/31/2020			1	incomplete	11/28/2016
Seasonal sampling period: 11/01 thru 11/30									
EP-A EP FOR WELL (CURR 00261)	BROMATE		Quarterly	04/01/2020 - 06/30/2020		11	1	done	04/06/2020
EP-A EP FOR WELL (CURR 00261)	ARSENIC		9 Years	01/01/2017 - 12/31/2025		2,021	1	done	07/31/2019
EP-A EP FOR WELL (CURR 00261)	IOC	notes	9 Years	01/01/2020 - 12/31/2028		3,117	1	incomplete	07/31/2019
EP-A EP FOR WELL (CURR 00261)	NITRATE		Yearly	01/01/2020 - 12/31/2020		195	1	incomplete	07/31/2019

EP-A EP FOR WELL (CURR 00261)	NITRITE	notes	9 Years	01/01/2020 - 12/31/2028	3,117	1	incomplete	07/31/2019
EP-A EP FOR WELL (CURR 00261)	RAD - GROSS ALPHA		9 Years	01/01/2014 - 12/31/2022	925	1	incomplete	10/29/2012
EP-A EP FOR WELL (CURR 00261)	RAD - RADIUM 226/228	notes	9 Years	01/01/2017 - 12/31/2025	2,021	1	incomplete	03/05/2012
EP-A EP FOR WELL (CURR 00261)	RAD - URANIUM	notes	9 Years	01/01/2017 - 12/31/2025	2,021	1	incomplete	03/05/2012
EP-A EP FOR WELL (CURR 00261)	SOC		3 Years	01/01/2020 - 12/31/2022	925	1	incomplete	07/31/2019
EP-A EP FOR WELL (CURR 00261)	VOLATILE ORGANICS		3 Years	01/01/2020 - 12/31/2022	925	1	incomplete	07/31/2019

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

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). We have included a link to State of Oregon Public Health web site for residents interested in learning more about the drinking water programs.

<http://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/Pages/index.aspx>

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 saves energy and some of the costs associated with both of these necessities of life;
- ◆ Saving water reduces the cost of energy required to pump water and the need to construct costly new wells, pumping systems and water towers;
- ◆ Saving water lessens the strain on the water system during a dry spell or drought, helping to avoid severe water use restrictions so that essential firefighting needs are met.

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:

- ◆ *Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.*
- ◆ *Turn off the tap when brushing your teeth.*
- ◆ *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 save more than 30,000 gallons a year.*

You can look up our water stats on line at <https://yourwater.oregon.gov/inventory.php?pwsno=01201>