

# Fall River Water Users District Drinking Water Information

## (System Information, Sampling Requirements, and Compliance Report)

**This system is not a candidate for an award:**

Violation

<b>Population Served:</b>	774	<b>System Population:</b>	648
<b>Certified Operator:</b>	Mr Keith Neugebauer PO Box 321 Oral, SD 57766	<b>Work Phone:</b>	(605)424-7648
		<b>Home Phone:</b>	
		<b>Cell Phone:</b>	
		<b>Fax:</b>	(605)424-7748
		<b>Email:</b>	keith.frwud@goldenwest.net
<b>Financial Contact:</b>	Mr Keith Neugebauer PO Box 321 Oral, SD 57766	<b>Work Phone:</b>	(605)424-7648
		<b>Home Phone:</b>	
		<b>Cell Phone:</b>	
		<b>Fax:</b>	(605)424-7748
		<b>Email:</b>	frwud1@goldenwest.net
<b>Other Contacts:</b>	Mr Dave Dunbar PO Box 321 - 27600 West Oral Road Oral, SD 57766	<b>Work Phone:</b>	
		<b>Home Phone:</b>	
		<b>Cell Phone:</b>	
		<b>Fax:</b>	
		<b>Email:</b>	
<b>Last Inspection:</b>	March 25, 2015		
<b>Type of System:</b>	Community	<b>Area Served:</b>	Fall River County
<b>Number of Service Connections:</b>	259	<b>Contamination Risk:</b>	low
<b>Water Sold To:</b>			Oelrichs, Fall River WUD-North
<b>PWS Owner Type:</b>	Private Ownership	<b>Service Area:</b>	Rural Water System/Colonies
<b>Contract Laboratory:</b>			Midcontinent Laboratory

# Monitoring/Reporting - Entry Point

Fall River Water Users District

EPA ID: 2201

## SAMPLING

Entry point: Fr South Shore - Treat Site

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Triennially	No			No Sample Data
	B. Arsenic	Triennially	No			No Sample Data
	C. Barium	Triennially	No			No Sample Data
	D. Beryllium	Triennially	No			No Sample Data
	E. Cadmium	Triennially	No			No Sample Data
	F. Chromium	Triennially	No			No Sample Data
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Triennially	No			No Sample Data
	J. Nickel	Triennially	No			No Sample Data
	K. Selenium	Triennially	No			No Sample Data
	L. Thallium	Triennially	No			No Sample Data
2	Radiological Chemicals	To be determined	N/A			
3	VOC Chemicals	Quarterly	No			No Sampling Data
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	*bad date*		
	B. Method 524	Triennially	No	*bad date*		
	C. Method 525	Triennially	No	*bad date*		
	D. Method 531.1	Triennially	No	*bad date*		
	E. Method 547	Triennially	No	*bad date*		
	F. Method 548	Triennially	No	*bad date*		
	G. Method 549	Triennially	No	*bad date*		
5	Nitrate	Annually	N/A			No Sample Data
6	Nitrite	Triennially	N/A			No Sample Data

(These values are calculated from available data. Check correspondence for verification.)

# Monitoring/Reporting - Entry Point

Fall River Water Users District

EPA ID: 2201

## SAMPLING

Entry point: Fr South - Treat Site

	Chemical	Sampling Frequency	Waivers	Taken Last	Due Next	Notes
1	Inorganic Chemicals					
	A. Antimony	Triennially	No	Nov-17		
	B. Arsenic	Triennially	No	Nov-17		
	C. Barium	Triennially	No	Nov-17		
	D. Beryllium	Triennially	No	Nov-17		
	E. Cadmium	Triennially	No	Nov-17		
	F. Chromium	Triennially	No	Nov-17		
	G. Cyanide		Yes			State-wide waiver
	H. Fluoride		No			This system fluoridates
	I. Mercury	Triennially	No	Nov-17		
	J. Nickel	Triennially	No	Nov-17		
	K. Selenium	Triennially	No	Nov-17		
	L. Thallium	Triennially	No	Nov-17		
2	Radiological Chemicals	Every six years	N/A			
3	VOC Chemicals	Quarterly	No	Dec-17	2018	
4	SOC Chemicals					
	A. Method 515.1	Triennially	No	Apr-16		
	B. Method 524	Triennially	No	Apr-16		
	C. Method 525	Triennially	No	Apr-16		
	D. Method 531.1	Detections	No	Apr-17	2018	
	E. Method 547	Triennially	No	Apr-16		
	F. Method 548	Triennially	No	Apr-16		
	G. Method 549	Triennially	No	Apr-16		
5	Nitrate	Annually	N/A	Nov-17		
6	Nitrite	Triennially	N/A	Nov-17		

(These values are calculated from available data. Check correspondence for verification.)

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### Bacteriological Monitoring

Bacteriological sampling and analysis: January 1, 2017 to January 1, 2018

A	Samples submitted:	<u>12</u>
B	Samples required:	<u>One Sample Each Month.</u>
C	Survey samples:	<u>0</u>
D	Safe samples:	<u>12</u>
E	Unsafe samples:	<u>0</u>
F	Repeat samples:	<u>0</u>
H	Groundwater Samples:	<u></u>

### Lead and Copper Monitoring

(These values are calculated from available data. Check correspondence for verification.)

A	Date Last Tested:	<u>September 30, 2016</u>
B	Samples required:	<u>10</u>
C	Sampling Frequency	<u>Triennially</u>
D	Date Due Next	<u>2019</u>
E	Lead - 90% Level	<u>3</u> Action Level - 15 ug/l
F	Copper 90% Level	<u>0.17</u> Action Level - 1.3 mg/l

### Disinfectant Residual Monitoring

Residual sampling and analysis: January 1, 2017 to January 1, 2018

A	Samples submitted:	<u>12</u>
B	Samples required:	<u>One Sample Each Month.</u>
C	Last Qtr Cl Residual:	<u>0.63</u> mg/l
D	Running Annual Average:	<u>0.57</u> mg/l
E	Date of last DBP test:	<u>September 25, 2017</u>
F	THM - Qtr Average:	<u>0</u> ug/l
G	Haa5 - Qtr Average:	<u>0</u> ug/l

### Asbestos

A	Date of last test:	<u>Waiver - Testing Not Required</u>
B	Asbestos Result:	<u></u> million fibers per liter

Comments

# Violations and Significant Deficiencies

Fall River Water Users District

EPA ID: 2201

Violations From January 1, 2013 To January 1, 2018

Violation Type	Parameter	Date	Status
Lack of Certified Operator	Certified Operator	02/01/2017	Reminder Notice
	DBP		Compliance Achieved
Failure to Monitor	SOCs - Oxamyl	10/01/2014	Public Notice Requested
	SOCs - Oxamyl		Compliance Achieved
Failure to Monitor	SOCs - Carbofuran	10/01/2014	Public Notice Requested
	SOCs - Carbofuran		Compliance Achieved
Failure to Monitor	SOCs - Ethylene dibromide	10/01/2014	Public Notice Requested
	SOCs - Ethylene dibromide		Compliance Achieved
Failure to Monitor	SOCs - Dibromochloropropane	10/01/2014	Public Notice Requested
	SOCs - Dibromochloropropane		Compliance Achieved
Failure to Monitor	SOCs - 2,4-D	10/01/2014	Public Notice Requested
	SOCs - 2,4-D		Compliance Achieved
Failure to Monitor	SOCs - Pichloram	10/01/2014	Public Notice Requested
	SOCs - Pichloram		Compliance Achieved
Failure to Monitor	SOCs - Pentachlorophenol	10/01/2014	Public Notice Requested
	SOCs - Pentachlorophenol		Compliance Achieved
Failure to Monitor	SOCs - 2,4,5-TP (Silvex)	10/01/2014	Public Notice Requested
	SOCs - 2,4,5-TP (Silvex)		Compliance Achieved
Failure to Monitor	SOCs - Dinoseb	10/01/2014	Public Notice Requested
	SOCs - Dinoseb		Compliance Achieved
Failure to Monitor	SOCs - Dalapon	10/01/2014	Public Notice Requested
	SOCs - Dalapon		Compliance Achieved
Failure to Monitor	SOCs - Simazine	10/01/2014	Public Notice Requested
	SOCs - Simazine		Compliance Achieved
Failure to Monitor	SOCs - Toxaphene	10/01/2014	Public Notice Requested
	SOCs - Toxaphene		Compliance Achieved
Failure to Monitor	SOCs - Chlordane	10/01/2014	Public Notice Requested
	SOCs - Chlordane		Compliance Achieved
Failure to Monitor	SOCs - Lindane	10/01/2014	Public Notice Requested
	SOCs - Lindane		Compliance Achieved
Failure to Monitor	SOCs - Hexachlorobenzene	10/01/2014	Public Notice Requested
	SOCs - Hexachlorobenzene		Compliance Achieved
Failure to Monitor	SOCs - Endrin	10/01/2014	Public Notice Requested
	SOCs - Endrin		Compliance Achieved
Failure to Monitor	SOCs - Hexachlorocyclopentadiene	10/01/2014	Public Notice Requested
	SOCs - Hexachlorocyclopentadiene		Compliance Achieved
Failure to Monitor	SOCs - Di(2-ethylhexyl)phthalate	10/01/2014	Public Notice Requested
	SOCs - Di(2-ethylhexyl)phthalate		Compliance Achieved
Failure to Monitor	SOCs - Di(2-ethylhexyl)adipate	10/01/2014	Public Notice Requested
	SOCs - Di(2-ethylhexyl)adipate		Compliance Achieved
Failure to Monitor	SOCs - PCBs	10/01/2014	Public Notice Requested
	SOCs - PCBs		Compliance Achieved
Failure to Monitor	SOCs - Methoxychlor	10/01/2014	Public Notice Requested
	SOCs - Methoxychlor		Compliance Achieved
Failure to Monitor	SOCs - Benzo(a)pyrene (PAH)	10/01/2014	Public Notice Requested
	SOCs - Benzo(a)pyrene (PAH)		Compliance Achieved
Failure to Monitor	SOCs - Atrazine	10/01/2014	Public Notice Requested
	SOCs - Atrazine		Compliance Achieved
Failure to Monitor	SOCs - Heptachlor Epoxide	10/01/2014	Public Notice Requested

	SOCs - Heptachlor Epoxide		Compliance Achieved
Failure to Monitor	SOCs - Heptachlor	10/01/2014	Public Notice Requested
	SOCs - Heptachlor		Compliance Achieved
Failure to Monitor	SOCs - Alachlor	10/01/2014	Public Notice Requested
	SOCs - Alachlor		Compliance Achieved
Failure to Monitor	SOCs - Glyphosate	10/01/2014	Public Notice Requested
	SOCs - Glyphosate		Compliance Achieved
Failure to Monitor	SOCs - Endothall	10/01/2014	Public Notice Requested
	SOCs - Endothall		Compliance Achieved
Failure to Monitor	SOCs - Diquat	10/01/2014	Public Notice Requested
	SOCs - Diquat		Compliance Achieved
Failure to Monitor	VOCs - Toluene	10/01/2014	Public Notice Requested
	VOCs - Toluene		Compliance Achieved
Failure to Monitor	VOCs - Trichloroethylene	10/01/2014	Public Notice Requested
	VOCs - Trichloroethylene		Compliance Achieved
Failure to Monitor	VOCs - 1,2 Dichloroethane	10/01/2014	Public Notice Requested
	VOCs - 1,2 Dichloroethane		Compliance Achieved
Failure to Monitor	VOCs - p-Dichlorobenzene	10/01/2014	Public Notice Requested
	VOCs - p-Dichlorobenzene		Compliance Achieved
Failure to Monitor	VOCs - Benzene	10/01/2014	Public Notice Requested
	VOCs - Benzene		Compliance Achieved
Failure to Monitor	VOCs - 1,2 Dichloropropane	10/01/2014	Public Notice Requested
	VOCs - 1,2 Dichloropropane		Compliance Achieved
Failure to Monitor	VOCs - trans 1,2 Dichloroethylene	10/01/2014	Public Notice Requested
	VOCs - trans 1,2 Dichloroethylene		Compliance Achieved
Failure to Monitor	VOCs - o-Dichlorobenzene	10/01/2014	Public Notice Requested
	VOCs - o-Dichlorobenzene		Compliance Achieved
Failure to Monitor	VOCs - Styrene	10/01/2014	Public Notice Requested
	VOCs - Styrene		Compliance Achieved
Failure to Monitor	VOCs - Chlorobenzene	10/01/2014	Public Notice Requested
	VOCs - Chlorobenzene		Compliance Achieved
Failure to Monitor	VOCs - Carbon Tetrachloride	10/01/2014	Public Notice Requested
	VOCs - Carbon Tetrachloride		Compliance Achieved
Failure to Monitor	VOCs - 1,1 Dichloroethylene	10/01/2014	Public Notice Requested
	VOCs - 1,1 Dichloroethylene		Compliance Achieved
Failure to Monitor	VOCs - Total Xylenes	10/01/2014	Public Notice Requested
	VOCs - Total Xylenes		Compliance Achieved
Failure to Monitor	VOCs - 1,1,2 Trichloroethane	10/01/2014	Public Notice Requested
	VOCs - 1,1,2 Trichloroethane		Compliance Achieved
Failure to Monitor	VOCs - 1,2,4 Trichlorobenzene	10/01/2014	Public Notice Requested
	VOCs - 1,2,4 Trichlorobenzene		Compliance Achieved
Failure to Monitor	VOCs - Dichloromethane	10/01/2014	Public Notice Requested
	VOCs - Dichloromethane		Compliance Achieved
Failure to Monitor	VOCs - Ethylbenzene	10/01/2014	Public Notice Requested
	VOCs - Ethylbenzene		Compliance Achieved
Failure to Monitor	VOCs - Tetrachloroethylene	10/01/2014	Public Notice Requested
	VOCs - Tetrachloroethylene		Compliance Achieved
Failure to Monitor	VOCs - 1,1,1 Trichloroethane	10/01/2014	Public Notice Requested
	VOCs - 1,1,1 Trichloroethane		Compliance Achieved
Failure to Monitor	VOCs - Vinyl Chloride	10/01/2014	Public Notice Requested
	VOCs - Vinyl Chloride		Compliance Achieved
Failure to Monitor	VOCs - cis 1,2 Dichloroethylene	10/01/2014	Public Notice Requested
	VOCs - cis 1,2 Dichloroethylene		Compliance Achieved
Lack of Certified Operator	Certified Operator	02/01/2014	Reminder Notice
	DBP		Compliance Achieved

Significant Deficiency	Date Identified	Date Corrected

**EPA ID#: 2201 System Name: Fall River Water Users District**

Sampler- Mr Keith Neugebauer Work Phone-(605)424-7648  
 Title- Operator  
 Address- PO Box 321  
 Oral SD 57766

Location- City: Hot Springs County: Fall River  
 Service Area- Other residential areas  
 PWS Owner Type- Private Ownership  
 Water Supply Type- Groundwater Supply

Population Served- 648 Service Connections- 259

**Sources for Fall River WUD-South**

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	HOT SPRINGS-EVANS PLUNGE	2001			Emergency	Purchased Groundwater	Non-Vulnerable	Water Treated By Seller - Purchased Surface Only
07	FALL RIVER-NORTH WELL	2009	3515	10	Emergency	Purchased Groundwater	Non-Vulnerable	Water Treated By Seller - Purchased Surface Only
08	FALL RIVER-SOUTH WELL	2014	2450	16	Permanent	Groundwater	Non-Vulnerable	Treatment At Plant
09	FR SOUTH - TREAT SITE	2014			Permanent	Treatment Plant	Non-Vulnerable	Disinfection - Hypochlorites



# EPA ID#: 2201 System Name: Fall River Water Users District

## Common Ion Data

(All chemical data are reported in milligrams per liter (mg/l) except pH and Langlier Index)

Please refer to Private Well Data for more information about these test results.

Source	Type	Date	TDS	Conductance	pH	Alk-M	Alk-P	Na	K	Ca	Mg	Fe	Mn	Cl	SO4	HCO3	CO3	Hardness	Langlier	NO3	F
09	Treated	03/25/15	450	781	7.64	198	0	47	6.6	70.2	29.6	0.07	0.00	63.4	112	241	0	297	+0.28	0.3	0.70

You can contact us by calling  
(605)424-7648 or write us at  
PO Box 321  
Oral SD 57766

# Fall River Water Users District

## 2017 Drinking Water Report

*It's your tap water!*



EPA ID: 2201



# Water Quality

*Last year, the Fall River Water Users District monitored your drinking water for possible contaminants. This brochure is a snapshot of the quality of the water that we provided last year. Included are details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency (EPA) and state standards. We are committed to providing you with information because informed customers are our best allies.*

## **Water Source**

We serve more than 648 customers an average of 262,000 gallons of water per day. Our water is groundwater that we produce from local wells. The state has performed an assessment of our source water and they have determined that the relative susceptibility rating for the Fall River WUD-South public water supply system is low.

For more information about your water and information on opportunities to participate in public meetings, call (605)424-7648 and ask for Keith Neugebauer.

## **Additional Information**

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 can pick up substances resulting 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, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- *Pesticides and herbicides*, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- *Organic chemical contaminants*, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

- *Radioactive contaminants*, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be 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 Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

Some people may be more vulnerable to contaminants 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 about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants can be obtained by calling the Environment Protection Agency's Safe Drinking Water Hotline (800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Fall River Water Users District public water supply system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

## Detected Contaminants

The attached table lists all the drinking water contaminants that we detected during the 2017 calendar year. The presence of these contaminants 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, 2017. 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. Some of the data, though representative of the water quality, is more than one year old.

## 2017 Table of Detected Contaminants For Fall River WUD-South (EPA ID 2201)

### Terms and abbreviations used in this table:

- \* **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 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.
- \* **Action Level(AL):** the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow. For Lead and Copper, 90% of the samples must be below the AL.
- \* **Treatment Technique(TT):** A required process intended to reduce the level of a contaminant in drinking water. For turbidity, 95% of samples must be less than 0.3 NTU
- \* **Running Annual Average(RAA):** Compliance is calculated using the running annual average of samples from designated monitoring locations.

### Units:

- \*MFL: million fibers per liter
- \*pCi/l: picocuries per liter(a measure of radioactivity)
- \*ppt: parts per trillion, or nanograms per liter
- \*mrem/year: millirems per year(a measure of radiation absorbed by the body)
- \*ppm: parts per million, or milligrams per liter(mg/l)
- \*ppq: parts per quadrillion, or picograms per liter
- \*NTU: Nephelometric Turbidity Units
- \*ppb: parts per billion, or micrograms per liter(ug/l)
- \*pspm: positive samples per month

Substance	90% Level	Test Sites > Action Level	Date Tested	Highest Level Allowed (AL)	Ideal Goal	Units	Major Source of Contaminant
Copper	0.2	0	09/20/16	AL=1.3	0	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Lead	3	0	09/20/16	AL=15	0	ppb	Corrosion of household plumbing systems; erosion of natural deposits.

Substance	Highest Level Detected	Range	Date Tested	Highest Level Allowed (MCL)	Ideal Goal (MCLG)	Units	Major Source of Contaminant
Alpha emitters	6	ND - 6	04/18/16	15	0	pCi/l	Erosion of natural deposits.
Combined Radium	2	ND - 2	04/18/16	5	0	pCi/l	Erosion of natural deposits.
Fluoride	0.73	0.71 - 0.73	11/27/17	4	4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.

Please direct questions regarding this information to Mr Keith Neugebauer with the Fall River WUD-South public water system at (605)424-7648.

**2017 Information on Violations For Fall River WUD-South (EPA ID 2201)**

*(This Drinking Water Report can be used as a Tier III Public Notice if distributed to each customer within 12 months of when the system was notified of the violation.)*

<b>Violation Type</b>	<b>Parameter</b>	<b>Date System Notified</b>	<b>Duration In Months</b>	<b>Health Effects Language</b>	<b>Action Taken By Your System</b>
Lack of Certified Operator	DBP Stage 1	03/15/17			Back in compliance.

For additional information concerning any violation please contact Mr Keith Neugebauer with the Fall River WUD-South public water system at (605)424-7648.