



Consumer Confidence Report For Calendar Year 2016

Este informe contiene información muy importante sobre el agua usted bebe.
Tradúscalo ó hable con alguien que lo entienda bien.

I. Public Water System (PWS) Information

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|---------------------------------|---------------------------------------|---------------------|-------------------------|
| PWS ID Number | PWS Name | | |
| AZ04 -09001 | Sun Valley Utilities-City of Holbrook | | |
| Contact Person and Title | | Phone Number | E-Mail Address |
| Julie Harrison | | (928) 524-6225 | paintedmesawrf@live.com |

We want our valued customers to be informed about their water quality. . It is the obligation of the City's Water Division to provide a safe and adequate supply of drinking water. To help please our customers and meet our obligation, the division strongly encourages public input and community participation. If there are any questions, please contact Holbrook City Hall at (928)524-6225.

II. Drinking Water Sources

The sources of drinking water (both tap 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 pickup substances resulting from the presence of animals or from human activity.

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. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

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| Our water source(s): | One well is currently used; it is located in the south section of Sun Valley off of Sunset Rd. The ground water is from the Little Colorado River Plateau Basin Aquifer. |
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III. Drinking Water Contaminants

Microbial contaminants, such as viruses and bacteria that 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 that 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 also may come from gas stations, urban stormwater runoff, and septic systems.

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

IV. Vulnerable Population

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. 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. For more information about contaminants and potential health effects, or to receive a copy of the

U.S. Environmental Protection Agency (EPA) and the U.S. Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and microbiological contaminants call the EPA *Safe Drinking Water Hotline* at 1-800-426-4791.

V. Source Water Assessment

INSTRUCTIONS: If the public water system received a Source Water Assessment (SWA), include a brief summary of the susceptibility as summarized in the SWA report.

Further source water assessment documentation can be obtained by contacting ADEQ, 602-771-4641.

VI. Definitions

AL = Action Level - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements.

MCL = Maximum Contaminant Level – The highest level of a contaminant that is allowed in drinking water.

MCLG = Maximum Contaminant Level Goal - The level of a contaminant in drinking water below which there is no known or expected risk to health.

MFL = Million fibers per liter.

MRDL = Maximum Residual Disinfectant Level. The level of disinfectant added for water treatment that may not be exceeded at the consumer's tap.

MRDLG = Maximum Residual Disinfectant Level Goal. The level of disinfectant added for treatment at which no known or anticipated adverse effect on health of persons would occur.

MREM = Millirems per year – a measure of radiation absorbed by the body.

NA = Not Applicable, sampling was not completed by regulation or was not required.

NTU = Nephelometric Turbidity Units, a measure of water clarity.

PCi/L = Picocuries per liter - picocuries per liter is a measure of the radioactivity in water.

PPM = Parts per million or Milligrams per liter (mg/L).

PPB = Parts per billion or Micrograms per liter (µg/L).

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| ppm x 1000 = ppb |
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PPT = Parts per trillion or Nanograms per liter.

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| ppb x 1000 = ppt |
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PPQ = Parts per quadrillion or Picograms per liter.

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| ppt x 1000 = ppq |
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TT = Treatment Technique - A required process intended to reduce the level of a contaminant in drinking water.

VII. Health Effects Language

Nitrate in drinking water at levels above 10 ppm 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, and detected nitrate levels are above 5 ppm, you should ask advice from your health care provider.

If **arsenic** is less than or equal to the MCL, your drinking water meets EPA's standards. EPA's 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 effects 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.

LEAD: 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. **City of Holbrook** 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 www.epa.gov/safewater/lead.

VIII. Water Quality Data

| Microbiological | Violation Y or N | Number of Samples Present OR Highest Level Detected | Absent (A) or Present (P) OR Range of All Samples (L-H) | MCL | MCLG | Sample Month & Year | Likely Source of Contamination |
|--|------------------|---|---|------------|-------------|---------------------|--|
| Total Coliform Bacteria (System takes ≥ 40 monthly samples) 5% of monthly samples are positive; (System takes ≤ 40 monthly samples) 1 positive monthly sample | N | 0 | A | 0 | 0 | 1/month | Naturally Present in Environment |
| Fecal coliform and E. Coli (TC Rule) | | | | 0 | 0 | | Human and animal fecal waste |
| Fecal Indicators (E. coli, enterococci or coliphage) (GW Rule) | | | | TT | n/a | | Human and animal fecal waste |
| Total Organic Carbon (ppm) | | | | TT | n/a | | Naturally present in the environment |
| Turbidity (NTU), surface water only | | | | TT | n/a | | Soil Runoff |
| Disinfectants | Violation Y or N | Running Annual Average (RAA) | Range of All Samples (L-H) | MCL | MCLG | Sample Month & Year | Likely Source of Contamination |
| Chloramines (ppm) | | | | MRDL = 4 | MRDLG = 4 | | Water additive used to control microbes |
| Chlorine (ppm) | N | 0.17 | 0.04-0.38 | MRDL = 4 | MRDLG = 4 | 1/month | Water additive used to control microbes |
| Chloride dioxide (ppb) | | | | MRDL = 800 | MRDLG = 800 | | Water additive used to control microbes |
| Disinfection By-Products | Violation Y or N | Running Annual Average (RAA) OR Highest Level Detected | Range of All Samples (L-H) | MCL | MCLG | Sample Month & Year | Likely Source of Contamination |
| Haloacetic Acids (ppb) (HAA5) | N | <0.0010 | <0.001- <0.002 | 60 | n/a | 7/2013 | Byproduct of drinking water disinfection |
| Total Trihalomethanes (ppb) (TTHM) | N | 0.0039 | <0.00050- 0.00062 | 80 | n/a | 7/2013 | Byproduct of drinking water disinfection |
| Bromate (ppb) | | | | 10 | 0 | | Byproduct of drinking water disinfection |
| Chlorite (ppm) | | | | 1 | 0.8 | | Byproduct of drinking water disinfection |
| Lead & Copper | Violation Y or N | 90 th Percentile AND Number of Samples Over the AL | Range of All Samples (L-H) | AL | ALG | Sample Month & Year | Likely Source of Contamination |
| Copper (ppm) | N | 90 th Percentile = 0.1005 | <0.020-0.110 | AL = 1.3 | ALG = 1.3 | 7/2013 | Corrosion of household plumbing systems; erosion of natural deposits |
| Lead (ppb) | N | 90 th Percentile = <0.0010 | <0.0010 | AL = 15 | 0 | 7/2013 | Corrosion of household plumbing systems; erosion of natural deposits |
| Radionuclides | Violation Y or N | Running Annual Average (RAA) OR Highest Level Detected | Range of All Samples (L-H) | MCL | MCLG | Sample Month & Year | Likely Source of Contamination |
| Beta / photon emitters (mrem/yr.) | | | | 4 | 0 | | Decay of natural and man-made deposits |
| Alpha emitters (pCi/L) <i>(this is Gross Alpha 4002)</i> | N | 4.1 ±1.0 | 4.1±1.0 | 15 | 0 | 04/2016 | Erosion of natural deposits |

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|-----------------------------------|-------------------------|---|-----------------------------------|------------|-------------|--------------------------------|---|
| Combined Radium 226 & 228 (pCi/L) | N | <0.4 | <0.4 | 5 | 0 | 04/2016 | Erosion of natural deposits |
| Uranium (ug/L) | | | | 30 | 0 | | Erosion of natural deposits |
| Inorganic Chemicals (IOC) | Violation Y or N | Running Annual Average (RAA) OR Highest Level Detected | Range of All Samples (L-H) | MCL | MCLG | Sample Month & Year | Likely Source of Contamination |
| Antimony (ppb) | N | <0.001 | <0.001 | 6 | 6 | 12/2013 | Discharge from petroleum refineries; fire retardants; ceramics, electronics and solder |
| Arsenic (ppb) | N | 0.0041 | 0.0041 | 10 | 0 | 12/2013 | Erosion of natural deposits, runoff from orchards, runoff from glass and electronics production wastes |
| Asbestos (MFL) | N | 0.38 | 0.38 | 7 | 7 | 12/2013 | Decay of asbestos cement water mains; Erosion of natural deposits |
| Barium (ppm) | N | 0.042 | 0.042 | 2 | 2 | 12/2013 | Discharge of drilling wastes; discharge from metal refineries; Erosion of natural deposits |
| Beryllium (ppb) | N | <0.001 | <0.001 | 4 | 4 | 12/2013 | Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries |
| Cadmium (ppb) | N | <0.0005 | <0.0005 | 5 | 5 | 12/2013 | Corrosion of galvanized pipes; natural deposits; metal refineries; runoff from waste batteries and paints |
| Chromium (ppb) | N | <0.0016 | <0.0016 | 100 | 100 | 12/2013 | Discharge from steel and pulp mills; Erosion of natural deposits |
| Cyanide (ppb) | N | <0.025 | <0.025 | 200 | 200 | 12/2013 | Discharge from steel/metal factories; Discharge from plastic and fertilizer factories |
| Fluoride (ppm) | N | 0.98 | 0.98 | 4 | 4 | 12/2013 | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| Mercury (ppb) | N | <0.0002 | <0.0002 | 2 | 2 | 12/2013 | Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills and cropland. |
| Nitrate (ppm) | N | <0.05 | <0.05 | 10 | 10 | 04/2016 | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |
| Nitrite (ppm) | N | <0.0125 | <0.0125 | 1 | 1 | 12/2013 | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |
| Selenium (ppb) | N | <0.005 | <0.005 | 50 | 50 | 12/2013 | Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines |
| Sodium (ppm) | N | 570 | 570 | N/A | N/A | 12/2013 | N/A |
| Thallium (ppb) | N | <0.001 | <0.001 | 2 | 0.5 | 12/2013 | Leaching from ore-processing sites; discharge from electronics, glass, and drug factories |

| Synthetic Organic Chemicals (SOC) | Violation Y or N | Running Annual Average (RAA) OR Highest Level Detected | Range of All Samples (L-H) | MCL | MCLG | Sample Month & Year | Likely Source of Contamination |
|------------------------------------|------------------|--|----------------------------|-----|------|---------------------|---|
| 2,4-D (ppb) | N | <0.0001 | <0.0001 | 70 | 70 | 04/2016 | Runoff from herbicide used on row crops |
| 2,4,5-TP (a.k.a. Silvex) (ppb) | N | <0.0002 | <0.0002 | 50 | 50 | 04/2016 | Residue of banned herbicide |
| Acrylamide | | | | TT | 0 | | Added to water during sewage / wastewater treatment |
| Alachlor (ppb) | N | <0.00001 | <0.00001 | 2 | 0 | 04/2016 | Runoff from herbicide used on row crops |
| Atrazine (ppb) | N | <0.00005 | <0.00005 | 3 | 3 | 04/2016 | Runoff from herbicide used on row crops |
| Benzo (a) pyrene (PAH) (ppt) | N | <0.00002 | <0.00002 | 200 | 0 | 04/2016 | Leaching from linings of water storage tanks and distribution lines |
| Carbofuran (ppb) | N | <0.0005 | <0.0005 | 40 | 40 | 04/2016 | Leaching of soil fumigant used on rice and alfalfa |
| Chlordane (ppb) | N | <0.0001 | <0.0001 | 2 | 0 | 04/2016 | Residue of banned termiticide |
| Dalapon (ppb) | N | <0.001 | <0.001 | 200 | 200 | 04/2016 | Runoff from herbicide used on rights of way |
| Di (2-ethylhexyl) adipate (ppb) | N | <0.0006 | <0.0006 | 400 | 400 | 04/2016 | Discharge from chemical factories |
| Di (2-ethylhexyl) phthalate (ppb) | N | <0.0006 | <0.0006 | 6 | 0 | 04/2016 | Discharge from rubber and chemical factories |
| Dibromochloropropane (ppt) | N | <0.00001 | <0.00001 | 200 | 0 | 04/2016 | Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards |
| Dinoseb (ppb) | N | <0.0002 | <0.0002 | 7 | 7 | 04/2016 | Runoff from herbicide used on soybeans and vegetables |
| Diquat (ppb) | N | <0.0004 | <0.0004 | 20 | 20 | 04/2016 | Runoff from herbicide use |
| Dioxin [a.k.a. 2,3,7,8-TCDD] (ppq) | N | <5.0E-09 | <5.0E-09 | 30 | 0 | 04/2016 | Emissions from waste incineration and other combustion; discharge from chemical factories |
| Endothall (ppb) | N | <0.005 | <0.005 | 100 | 100 | 04/2016 | Runoff from herbicide use |
| Endrin (ppb) | N | <0.00001 | <0.00001 | 2 | 2 | 04/2016 | Residue of banned insecticide |
| Epichlorohydrin | | | | TT | 0 | | Discharge from industrial chemical factories; an impurity of some water treatment chemicals |
| Ethylene dibromide (ppt) | N | <0.00001 | <0.00001 | 50 | 0 | 04/2016 | Discharge from petroleum refineries |
| Glyphosate (ppb) | N | <0.006 | <0.006 | 700 | 700 | 04/2016 | Runoff from herbicide use |
| Heptachlor (ppt) | N | <0.00001 | <0.00001 | 400 | 0 | 04/2016 | Residue of banned termiticide |
| Heptachlor epoxide (ppt) | N | <0.00001 | <0.00001 | 200 | 0 | 04/2016 | Breakdown of heptachlor |
| Hexachlorobenzene (ppb) | N | <0.00005 | <0.00005 | 1 | 0 | 04/2016 | Discharge from metal refineries and agricultural chemical factories |
| Hexachlorocyclopentadiene (ppb) | N | <0.00005 | <0.00005 | 50 | 50 | 04/2016 | Discharge from chemical factories |

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|---|-------------------------|---|-----------------------------------|------------|-------------|--------------------------------|---|
| Lindane (ppt) | N | <0.00001 | <0.00001 | 200 | 200 | 04/2016 | Runoff/leaching from insecticide used on cattle, lumber, gardens |
| Methoxychlor (ppb) | N | <0.00005 | <0.00005 | 40 | 40 | 04/2016 | Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, |
| Oxamyl (a.k.a. Vydate) (ppb) | N | <0.0005 | <0.0005 | 200 | 200 | 04/2016 | Runoff/leaching from insecticide used on apples, potatoes and tomatoes |
| PCBs [Polychlorinated biphenyls] (ppt) | | | | 500 | 0 | | Runoff from landfills; discharge of waste chemicals |
| Pentachlorophenol (ppb) | N | <0.00004 | <0.00004 | 1 | 0 | 04/2016 | Discharge from wood preserving factories |
| Picloram (ppb) | N | <0.0001 | <0.0001 | 500 | 500 | 04/2016 | Herbicide runoff |
| Simazine (ppb) | N | <0.00005 | <0.00005 | 4 | 4 | 04/2016 | Herbicide runoff |
| Toxaphene (ppb) | N | <0.0005 | <0.0005 | 3 | 0 | 04/2016 | Runoff/leaching from insecticide used on cotton and cattle |
| Volatile Organic Chemicals (VOC) | Violation Y or N | Running Annual Average (RAA) OR Highest Level Detected | Range of All Samples (L-H) | MCL | MCLG | Sample Month & Year | Likely Source of Contamination |
| Benzene (ppb) | N | <0.0005 | <0.0005 | 5 | 0 | 04/2016 | Discharge from factories; leaching from gas storage tanks and landfills |
| Carbon tetrachloride (ppb) | N | <0.0005 | <0.0005 | 5 | 0 | 04/2016 | Discharge from chemical plants and other industrial activities |
| Chlorobenzene (ppb) | N | <0.0005 | <0.0005 | 100 | 100 | 04/2016 | Discharge from chemical and agricultural chemical factories |
| o-Dichlorobenzene (ppb) | N | <0.0005 | <0.0005 | 600 | 600 | 04/2016 | Discharge from industrial chemical factories |
| p-Dichlorobenzene (ppb) | N | <0.0005 | <0.0005 | 75 | 75 | 04/2016 | Discharge from industrial chemical factories |
| 1,2-Dichloroethane (ppb) | N | <0.0005 | <0.0005 | 5 | 0 | 04/2016 | Discharge from industrial chemical factories |
| 1,1-Dichloroethylene (ppb) | N | <0.0005 | <0.0005 | 7 | 7 | 04/2016 | Discharge from industrial chemical factories |
| cis-1,2-Dichloroethylene (ppb) | N | <0.0005 | <0.0005 | 70 | 70 | 04/2016 | Discharge from industrial chemical factories |
| trans-1,2-Dichloroethylene (ppb) | N | <0.0005 | <0.0005 | 100 | 100 | 04/2016 | Discharge from industrial chemical factories |
| Dichloromethane (ppb) | N | <0.0005 | <0.0005 | 5 | 0 | 04/2016 | Discharge from pharmaceutical and chemical factories |
| 1,2-Dichloropropane (ppb) | N | <0.0005 | <0.0005 | 5 | 0 | 04/2016 | Discharge from industrial chemical factories |

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|-------------------------------------|---|---------|---------|-----|-----|---------|--|
| Ethylbenzene (ppb) | N | <0.0005 | <0.0005 | 700 | 700 | 04/2016 | Discharge from petroleum refineries |
| Styrene (ppb) | N | <0.0005 | <0.0005 | 100 | 100 | 04/2016 | Discharge from rubber and plastic factories; leaching from landfills |
| Tetrachloroethylene (ppb) | N | <0.0005 | <0.0005 | 5 | 0 | 04/2016 | Discharge from factories and dry cleaners |
| 1,2,4-Trichlorobenzene (ppb) | N | <0.0005 | <0.0005 | 70 | 70 | 04/2016 | Discharge from textile-finishing factories |
| 1,1,1-Trichloroethane (ppb) | N | <0.0005 | <0.0005 | 200 | 200 | 04/2016 | Discharge from metal degreasing sites and other factories |
| 1,1,2-Trichloroethane (ppb) | N | <0.0005 | <0.0005 | 5 | 3 | 04/2016 | Discharge from industrial chemical factories |
| Trichloroethylene (ppb) | N | <0.0005 | <0.0005 | 5 | 0 | 04/2016 | Discharge from metal degreasing sites and other factories |
| Toluene (ppm) | N | <0.0005 | <0.0005 | 1 | 1 | 04/2016 | Discharge from petroleum factories |
| Vinyl Chloride (ppb) | N | <0.0003 | <0.0003 | 2 | 0 | 04/2016 | Leaching from PVC piping; discharge from chemical factories |
| Xylenes (ppm) | N | <0.0005 | <0.0005 | 10 | 10 | 04/2016 | Discharge from petroleum or chemical factories |

IX. Violations

| Type / Description | Compliance Period | Corrective Actions taken by PWS |
|---------------------------|--------------------------|--|
| Lead and Copper | 2016 | Samples taken 2017 |
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An explanation of the violation(s) in the above table, the steps taken to resolve the violation(s) and any required health effects information are required to be included with this report. (Attach copy of Public Notice if available.)