



2012 Consumer Confidence Report



Mon July 1		8:00 PM	8:30 PM	9:00 PM
WETLND	482	CLUMP BOSS	AMERICAN DIGGERS	
AVO	503	RELIABLE	WELLSHINERS	POND STARS
HDGIS	510	THE REAL HOUSEWIVES OF AVONDALE		
RECY	515	UNDERCOVER BOSS		SEWAGE WARS
PWTV	516	TOP SHOT	DIRTY JOBS	RS

MyAvondale: www.avondale.org



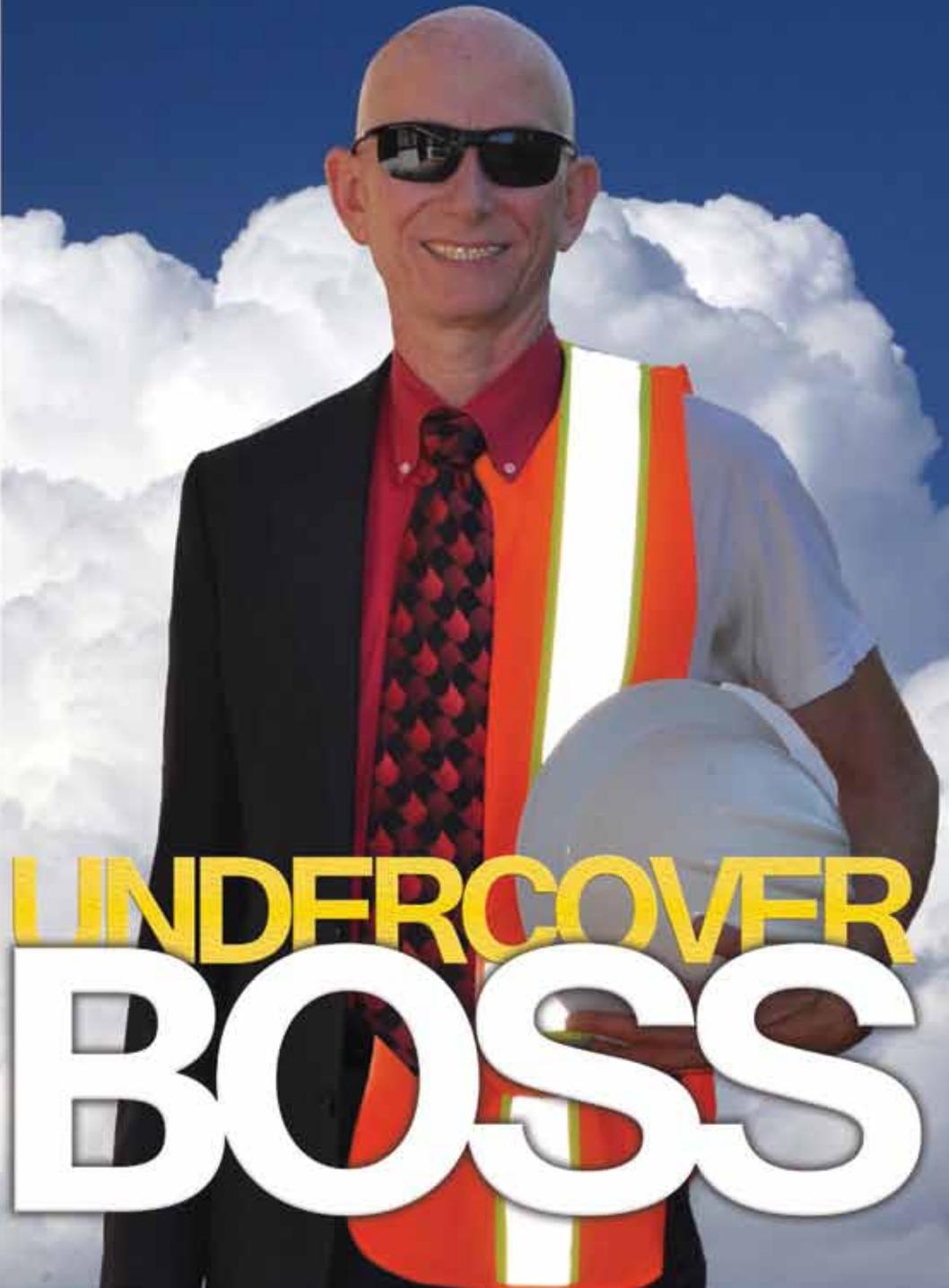
Avondale is committed to providing you with safe, reliable drinking water, and great service at an affordable price, each and every day.

Part of this commitment is summarized in an annual report about our drinking water. The 2012 Water Quality Report provides important information about your drinking water including where the water comes from, the results of continuous testing, and how these results compare with federal standards. We work closely with the U.S. Environmental Protection (EPA), the Arizona Department of Environmental Quality (ADEQ) and Maricopa County Environmental Services to ensure we are meeting or surpassing all drinking water standards, and assuring you receive safe, high quality and reliable drinking water.

The City of Avondale hopes you enjoy and find the 2013/2014 calendar valuable. Although the annual water quality report is required by the Arizona Department of Environmental Quality, the format for presenting the information is determined by the City.

We believe information shared in an entertaining format is more likely to be used and appreciated. This year's calendar was inspired by the numerous reality television shows on the air. While we strive to create a humorous content through the use of photos, the message delivered is important to us all. This is the seventh year we've presented the report as a calendar, and it continues to receive national attention. I hope you take the time to review this report to learn how much work and dedication goes into your drinking water each and every day. Thank you for making Avondale your home.

Charlie McClendon
City Manager





tune in here...

CONTACT US

Avondale's Public Works Department is here to serve you!

399 E. Lower Buckeye Road
Avondale, AZ 85323
(623) 333-4400

www.avondale.org/water

Hours of Operation: Mon - Thurs 7 am - 6 pm; Closed Friday

After Hours Water Quality or Main Breaks: (623) 333-4400

Water Bill Customer Service: (623) 333-2005

GET INVOLVED!

We welcome you to attend City Council meetings or other public forums. Council meetings are the first and third Monday of every month. Public meeting notices are posted on the City's web site at www.avondale.org and outside of Avondale City Hall, located at 11465 W. Civic Center Drive, Avondale.

LEARN MORE ABOUT WATER

United States Environmental Protection Agency

Safe Drinking Water Hotline:

(800) 426-4791 • www.epa.gov/safewater

Arizona Department of Environmental Quality

(602) 771-2300

www.adeq.state.az.us/environ/water/index.html

Maricopa County Environmental Services Department

(602) 505-6666 • www.maricopa.gov/envsvc/WaterWaste

WATER CONSERVATION

Avondale's Water Conservation Office is here to help you save water. We offer free workshops, publications and even rebates to encourage water conservation. To learn more, call (623) 333-4422 or email eavila@avondale.org to request a packet of information that can help you learn about native plants, rebate programs, watering guidelines and conservation.

Avondale's water partners

The City of Avondale actively partners with other agencies and organizations to enhance the range of resources and information available to you.

Water, Use it Wisely

Avondale partners with Valley cities in this campaign to promote easy ways to save water. Learn how to make wise water decisions - visit www.wateruseitwisely.com/arizona.



Water Conservation Education Links & School Programs

Contact the Public Works Department at (623) 333-4422 for free water conservation presentations or log on to www.avondale.org/water for cool interactive water games for kids. Also visit www.projectwet.com.



Tap into Quality

Learn more about the safety, convenience and affordability of tap water. "Tap Into Quality" is a public education campaign designed to keep you informed about tap water. To learn more, visit www.tapintoquality.com.



Water Sense Partner

A partnership program with a goal of protecting the future of our nation's water supply by promoting and enhancing the market for water-efficient products and services. For WaterSense resources visit: www.epa.gov/watersense.



Arizona Rinse Smart

Replace your high water use, low pressure pre-rinse spray valves with lower water use, higher pressure valves. Restaurants and schools in Avondale interested in participating in this free program can contact the water conservation staff at (623) 333-4422 or visit www.azwater.gov for details.



Arizona Municipal Water Users Association (AMWUA)

A voluntary, non-profit corporation established by municipalities in Maricopa County for the development of urban water resources policy. To learn more, visit www.amwua.org.



Valleywide Recycling Partnership

A number of valley communities came together to form Valleywide Recycling Partnership (VRP). The goal of this partnership is to divert as much garbage as possible from valley landfills through public awareness campaigns and educational programs.



Let's save money by reusing materials and products and by practicing smart shopping habits that reduce waste. Reducing waste, reusing materials and products, and recycling are some of the most effective and easiest ways we can protect the environment. www.recyclevrp.com

Avondale 11

Tune in to Avondale 11, the city-operated cable channel serving the residents of Avondale, available to Cox cable subscribers.





DIRTY JOBS

with Miguel Ayala



JULY

Dirty Jobs with Miguel Ayala – Inspired by Reality TV Show – *Dirty Jobs with Mike Rowe*
 It's a dirty job but someone has to do it! The Charles M. Wolf Water Resource Center cleans and disinfects the city's wastewater.
 In 2012 the plant reclaimed 1.8 billion gallons of wastewater.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
 TIP: Water Summer grass once every 3 to 6 days; trees and shrubs once every 7 to 21 days.	1 COUNCIL MEETING BULK TRASH ZONE 1	2	3	4 INDEPENDENCE DAY CITY OFFICES CLOSED	5	6
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14	15 COUNCIL MEETING BULK TRASH ZONE 3	16	17	18	19	20
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West Valley CUSTOMS



SEWAGE WARS



SEPTEMBER

Sewage Wars – Inspired by Reality TV Show – *Storage Wars*

As part of the city’s year-round preventative maintenance program, Avondale’s dedicated Collections staff uses video cameras to inspect sewer lines prior to cleaning. They maintain and repair 300 miles of wastewater piping, 11 lift stations, and inspect 5,000 manholes on a yearly basis.

Featuring: Mike Yracheta, Nancy Wallace, Sal Cruz, Daniel Lopez and Joseph Flores

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29	30		 TIP: Recycle chipboard boxes: crackers, cereal, pasta and cake boxes without the plastic inserts.		<p>AUGUST</p> <table border="1"> <thead> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> </tr> <tr> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> </tr> <tr> <td>18</td> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> </tr> <tr> <td>25</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> <td>31</td> </tr> </tbody> </table>	S	M	T	W	T	F	S					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	<p>OCTOBER</p> <table border="1"> <thead> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> </tr> <tr> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> </tr> <tr> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> </tr> <tr> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> </tr> <tr> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> </tr> <tr> <td>31</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
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THE SHOT



OCTOBER



Top Shot (GIS) – Inspired by Reality TV Show – *Top Shot*

With precision, skill and state-of-the-art technology, the GIS team rise to the challenge. Fulfilling department requests and updating and mapping the city-wide inventory of water and sewer infrastructure and facilities.

Before you dig, call Blue Stake at (602) 263-1100 to mark utility lines – free of charge.

Featuring: Harley Maniago, Greg Beard and Julie Latham

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CLUMP BOSS



FRANK MILAM

Star of the #1 Pretreatment Program

November

Clump Boss – Inspired by Reality TV Show – Cake Boss

Yes, sometimes toilet paper does clog up sewer lines but mostly sewer lines get clogged due to build-up of fats, oils and grease (FOG) and “disposable” products. Remember, disposable products are not meant to be flushed down the toilet.

To learn more about the FOG and CLOG go to www.avondale.org/CLOG

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December

Pond Stars – Inspired by Reality TV Show – *Pawn Stars*

These Pond Stars work hard at maintaining 72 acres of wetland treatment cells and 26 acres of recharge basins at optimal operating conditions. Approximately 22 million gallons of water are in the cells at any given time. In 2012, 4.8 billion gallons was recharged to the aquifer; 3 billion through the wetlands and 1.8 billion of reclaimed water. *Featuring: George Ronquillo, Alan Altherr and Mark Perkins*

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IRI

**I RECYCLE
TRUCKING
with Les Miller**

JANUARY

I Recycle Trucking – Inspired by Reality TV Show – *Ice Road Truckers*

Avondale's recycling and solid waste truckers don't have to cross over ice roads but they do endure over 140 degree temperatures on the road. Come rain or shine, recyclables are collected! In 2012, more than 5,000 tons of recycled material was diverted from the landfill through the recycling efforts of our environmentally-conscious residents!

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**STREET
RULES**



FEBRUARY

Street Rules – Inspired by Reality TV Show – Road Rules

The Streets Crew provide essential street maintenance such as pothole repairs and 41 miles of roadway resurfacing to ensure a safe and easy commute for motorists, cyclists and pedestrians.

Featuring: Guy Nunez, Freddie Orona, Joe Hendrickson, Teo Sanchez, Alex Rodriguez, Steve Quezada and Hector Machuca

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AVONDALE DIGGERS



MARCH

Avondale Diggers – Inspired by Reality TV Show – *American Pickers*

These diggers make certain our 316 miles of water mains – even older ones – are maintained and in top notch condition. In addition, they repair or maintain service line leaks, 23,000 water meters, 6,000 water valves and 2,700 fire hydrants throughout the city.

Featuring: Jose Pena and Drew Gonzales

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DSW

DESIGNER SHOE WAREHOUSE



the Real Housewives
OF AVONDALE



April

The Real Housewives of Avondale – Inspired by Reality TV Show – *The Real Housewives of Atlanta*
 No drama here! These city workers balance their home life, business and shopping with ease in Avondale’s shopping centers.
 Our excellent administrative support serves the following divisions in Public Works:
 Streets, Water, Wastewater, Fleet Services, Solid Waste and Recycling.
Featuring: Vikki Cicero, Deann Franklin, Nancy Wallace and Jane Parker

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
 TIP: Choose water wise plants visit www.avondale.watersavingplants.com for hundreds of choices.		1	2	3	4	5
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Wellshiners

HOW AM I
DRIVING?
623
33-4700



May

Wellshiners – Inspired by Reality TV Show – Moonshiners

No moonshine produced here...just clean, safe drinking water!

Avondale treats and tests water from our production wells and reservoirs, and continues to monitor to ensure that the 4 billion gallons per year we provided to our customers remains safe all the way to their tap. www.tapintoquality.com | www.drinktap.org

Featuring: Brent Cason and Leonard Sheid

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	 <p>TIP: Check timers and stuck solenoids on water softeners. Problems with automatic recharge cycles can waste hundreds of gallons.</p>	<p>APRIL</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				<p>JUNE</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						1	2	3
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CUSTOMER SERVICE · EFFECTIVE OPERATIONS

RELIABLE
PUBLIC WORKS

SOUND PLANNING



JUNE

Reliable – Inspired by Reality TV Show – *Survivor*

Avondale Public Works Mission

We deliver essential public services to the community through valued customer service, effective operations and sound planning.

Featuring: Marilyn DeRosa, Lisa Johnson and Cindy Blackmore

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29	30		 TIP: Install pool covers, plant trees, shrubs to act as windbreaks around pool to help reduce evaporation losses.		<p>MAY</p> <table border="1"> <thead> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> </tr> <tr> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> </tr> <tr> <td>18</td> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> </tr> <tr> <td>25</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> <td>31</td> </tr> </tbody> </table>	S	M	T	W	T	F	S					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	<p>JULY</p> <table border="1"> <thead> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> </tr> <tr> <td></td> <td></td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> </tr> <tr> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> </tr> <tr> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> </tr> <tr> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> </tr> <tr> <td>29</td> <td>30</td> <td>31</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	S	M	T	W	T	F	S						1	2			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
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2012 annual drinking water quality report for public water system

Esta es información importante. Si no la pueden leer, necesitan que alguien se la traduzca.

We are pleased to present to you this year's water quality report. Our constant goal is to provide you with a safe and dependable supply of drinking water.

our water source(s)

Our water source is the West Salt River Valley Sub-Basin aquifer. The City of Avondale uses a series of wells throughout the city service area to pump water from the aquifer. If we used purchased water, this report is required to include water quality data for the purchased water with this report.

source water assessment

The Arizona Department of Environmental Quality (ADEQ) has performed an evaluation of the City of Avondale's sources of water to public water systems in Arizona. This evaluation determines the degree to which the source of water is protected. Arizona's Source Water Assessment Program was approved by the EPA in November 1999. Based on the information currently available on the hydrogeologic settings of and the adjacent land uses that are in the specified proximity of the drinking water sources, ADEQ has given a low risk designation for the degree to which this public water system drinking water source is protected. A low risk designation indicates that most source water protection measures are either already implemented, or the hydrogeology is such that the source water protection measures will have little impact on protection.

general information about drinking water

All 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 the 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 of 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.

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 activity. Contaminants that may be present in source water include:

- ◆ **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 byproducts 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.

In order to ensure that tap water is safe to drink, the Arizona Department of Environmental Quality prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

unregulated contaminants

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. The following contaminants were tested for in 2001, 2003, and 2008 but not found:

Acetochlor, Alachlor, Metolachlor, acetochlor ethane sulfonic acid (ESA), Acetochlor oxanilic acid (OA), Alachlor ESA, Alachlor OA, 2,4-Dinitrotoluene, Metolachlor ESA, Metolachlor OA, Nitrobenzene, N-nitroso-di-n-butylamine (NDBA), N-nitroso-diethylamine (NDEA), N-nitrosodimethylamine (NDMA), N-nitroso-di-n-propylamine (NDPA), N-nitrosomethylethylamine (NMEA), N-nitrosopyrrolidine (NPYR), 1,3-dinitrobenzene, hexahydro-1,3,5-trinitro-1,3,5-triazine; 2,4,6-trinitrotoluene; 2,2',4,4',5,5'-hexabromobiphenyl; 2,2',4,4',6-pentabromodiphenyl ether; 2,2',4,4',5,5'-hexabromodiphenyl ether; 2,2',4,4'-tetrabromodiphenyl ether; 2,2',4,4',5-pentabromodiphenyl ether; dimethoate; and terbufos sulfone



City of Avondale
Public Water System
Number: AZ 04 07088

water quality data

These tables show the results of our monitoring for the period of January 1 to December 31, 2012 unless otherwise noted.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. The State of Arizona requires us to monitor for certain contaminants at various locations throughout the city. Testing is done at six entry points to the distribution system that represent the treated source water. Some of our data, though representative, may be more than one year old. We also perform tests throughout the distribution system at over 80 different locations to ensure the water entering your home or business remains safe and reliable.

Inorganic Contaminants	Unit	MCL	MCLG	Low Range	High Range	Avg. Detected	Violation	Likely Source of Contamination
Arsenic	ppb	10	0	2.70	7.1	5.30	No	Erosion of natural deposits; runoff from orchards, glass and electronic production wastes
Asbestos	MFL	7	7	0.20	0.2	0.20	No	Decay of asbestos cement water mains; Erosion of natural deposits
Barium	ppm	2	2	0.03	0.19	0.10	No	Discharge of drilling wastes; from metal refineries; erosion of natural deposits
Chromium	ppb	100	100	5.00	10	6.00	No	Discharge from steel and pulp mills; Erosion of natural deposits
Fluoride	ppm	4	4	0.00	1.09	0.20	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate	ppm	10	10	0.10	9.08	5.00	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	ppb	50	50	3.00	16	9.00	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Radionuclides								
Gross Alpha	pCi/L	15	0	0.90	6.5	3.70	No	Erosion of natural deposits
Radium 226 & 228	pCi/L	5	0	0.30	0.5	0.40	No	Erosion of natural deposits
Uranium	ppb	30	0	1.00	6.6	3.63	No	Erosion of natural deposits

Microbiological Contaminants	Unit	MCL	MCLG	Avg. Detected	Violation	Likely Source of Contamination
Total Coliform Bacteria for systems that collect >40 samples per month. 960 annual routine samples.	%	5	0	0%	No	Naturally present in the environment

Disinfectants and Disinfection By-Products

	Unit	MCL	MCLG	Low Range	High Range	Avg. Detected	Violation	Likely Source of Contamination
Total Trihalomethanes (TTHMs)	ppb	80	N/A	3.7	26.3	14.7	No	By-product of drinking water disinfection
Total Halocetic Acids (HAAs)	ppb	60	N/A	<2	4.5	2.4	No	By-product of drinking water disinfection

Compliance is based on a system wide average, not the highest detected amount.

Chlorine Residual

Units	MRDL	MRDLG	Low Range	High Range	Avg. Detected	Violation	Likely Source of Contamination
ppm	4	4	0.2	2.2	1.09	No	Water additive used to control microbes

Lead and Copper Sample 2010

Unit	AL	MCLG	90th Percentile Value	Sites Exceeding Action Level	Likely Source of Contamination
ppb	15	0	1	0	Corrosion of household plumbing
ppb	1300	N/A	250	0	Corrosion of household plumbing

Lead and Copper Rule Standard: 90% of homes tested must have lead and copper levels below the action level.

National Secondary Drinking Water Regulations are non-enforceable guidelines that may cause cosmetic effects in drinking water. EPA recommends these standards but does not require water systems to comply.

Contaminant	Unit	Secondary Standard	Avg. Detected
Grains per Gallon	Gr/gal	N/A	21
Hardness, Total	ppm	N/A	356
Iron	ppm	0.3	0.05
pH	Std Unit	6.5 - 8.5	7.7
Sodium	ppm		102.7
Sulfate	ppm	250	82.9
Temperature	°C	N/A	15
	°F	N/A	59
Total Dissolved Solids	ppm	500	675

Violations Table – Missed Monitoring

Violation Type	Violation Begin	Violation End
Monitoring, Routine Major	01/01/2012 10/1/2012	03/31/2012 12/31/2012
Violation Explanation	We failed to test our drinking water for the contaminants and period indicated for EPDS#7; the well was out of service.	

Source Water Assessments on file with the Arizona Department of Environmental Quality are available for public review. If a Source Water Assessment is available, you may obtain a copy of it by contacting the Arizona Source Water Coordinator at (602) 771-4641.

Source Water Assessment Report provides a screening-level evaluation of potential contamination that could occur. It does not mean that the contamination has or will occur. We can use this information to evaluate the need to improve our current water treatment capabilities and prepare for future contamination threats. This can help us ensure that quality finished water is delivered to your homes. In addition, the source water assessment results provide a starting point for developing a source water protection plan.

Potential sources of contamination in our source water area come from: surface water intrusion to unprotected wells.

terms & abbreviations

To help you understand the terms and abbreviations used in this report, we have provided the following definitions:

- ◆ **Action Level (AL)** - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- ◆ **Action Level Goal (ALG)** - The “Goal” is the level of a contaminant in drinking water below which there is no known or expected risk to health. The ALG allows for a margin of safety.
- ◆ **Maximum Contaminant Level (MCL)** - The “Maximum Allowed” is 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 “Goal” is 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 contaminants.
- ◆ N/A = not applicable
- ◆ **Parts per million (ppm) or Milligrams per liter (mg/L)** - one part per million corresponds to one minute in two years or a single penny in \$10,000.
- ◆ **Parts per billion (ppb) or Micrograms per liter (µg/L)** - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.
- ◆ **Picocuries per liter (pCi/L)** - picocuries per liter is a measure of the radioactivity in water.
- ◆ **Running Annual Average (RAA)** - An average of monitoring results for the previous 12 calendar months.

Please contact: **Crystal Orth at (623) 333-4457**, via email at Corth@avondale.org, to learn more about what you can do to help protect your drinking water sources and any questions about the annual drinking water quality report.

health effect information

about the water quality data table

arsenic

Due to the variation of the arsenic concentration, the City is providing the following statements as required by the US Environmental Protection Agency (EPA): If arsenic is less than 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. Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system and may have an increased risk of getting cancer.

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.

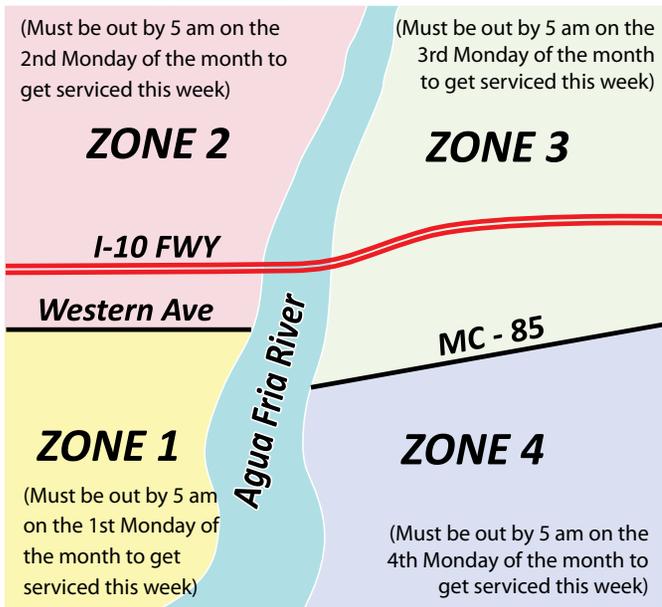
lead

Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home’s plumbing. If you are concerned about elevated lead levels in your home’s water, you may wish to have your water tested. Flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the EPA Safe Drinking Water Hotline at 1-800-426-4791.

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 city of Avondale 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.



bulk trash service information & schedule



water conservation rebates

Residential Customers

- Irrigation Controller \$50
- Plumbing (toilet/showerhead) \$75/\$5
- Landscape Conversions – Xeriscape up to \$400
- Clothes Washer \$100

NON-residential Customers

(HOAs, Schools, Commercial)

- “Smart” Irrigation Controller \$200
- Landscape Conversion – Xeriscape up to \$3,000

If you have any questions or need additional information, please contact the [Public Works Department](#) at (623) 333-4700.

2013	Zone 1	Zone 2	Zone 3	Zone 4
Jul	2	8	15	22
Aug	5	12	19	26
Sep	2	9	16	23
Oct	7	14	21	28
Nov	4	11	18	25
Dec	2	9	16	23
2014	Zone 1	Zone 2	Zone 3	Zone 4
Jan	6	13	20	27
Feb	3	10	17	24
Mar	3	10	17	24
Apr	7	14	21	28
May	5	12	19	26
Jun	2	9	16	23

- ▶ 3 Cubic yard limit
- ▶ No tires
- ▶ Place in street (please keep bulk off private property and side walk)
- ▶ Any box or container will be removed as bulk trash
- ▶ Box and bag small items for easy pick-up
- ▶ No sod, dirt, rocks, bricks, tile or similar material will be collected
- ▶ Brush or long wood needs to be cut to 4 feet in length and not in excess of 6 inches in diameter
- ▶ Equipment might leave small material, debris and leaves

For more info on bulk items contact [Public Works](#).

recycle these items

ALL ITEMS NEED TO BE PLACED LOOSELY IN CONTAINER



CARDBOARD:
Must be cut down and empty of all packing materials



CARDBOARD:
Such as half-gallon milk or juice cartons



CHIPBOARD:
Like cereal, cracker, pasta and cake mix boxes (remove inserts)



MIXED PAPER:
Such as magazines, junk mail, catalogs, brown paper bags, and phone books.



GLASS:
Food or beverage glass bottles & jars only (No window panes, mirrors, ceramics or dishes)



NEWSPAPER:
Including advertising inserts



ALUMINUM CANS:
Beverage cans, clean foil and disposable baking pans



STEEL/TIN CANS:
Like soup or vegetable cans



PLASTIC CONTAINERS:
All numbers 1 thru 7; no food take-out containers



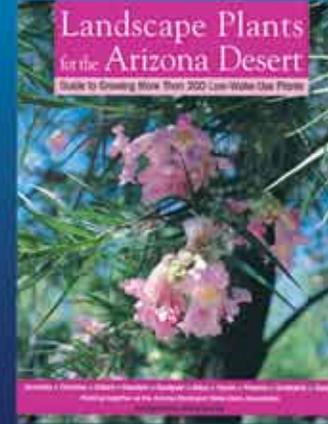


Public Works Department
399 E. Lower Buckeye Rd. • Avondale, AZ 85323
www.avondale.org/water

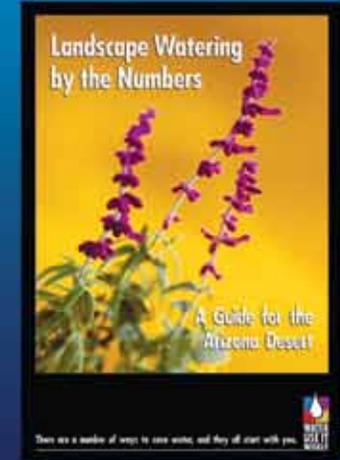
Booklets on-line at: www.amwua.org



***Xeriscape:
Landscaping With Style***
A step-by-step guide for planning, installing, and caring for your landscape.



***Landscape Plants
for the Arizona Desert***
Guide to growing more than 200 low-water use plants.



***Landscape Watering
by the Numbers***
A Guide for the Arizona Desert
Explains how to properly water your plants to keep them healthy and beautiful.

Conserve Water Outdoors

It may surprise you to learn that up to 70% of household water is used outdoors. By selecting low water use plants and watering them properly, homeowners and landscape professionals have a unique opportunity to reduce the amount of water it takes to keep our landscapes attractive, healthy, and thriving. Residents can request free brochures and information on Avondale's water conservation programs by calling (623) 333-4422 or by email at eavila@avondale.org.