

Agate Bay Water Company
Annual Report to Customers

Summer, 2015

As we all know, the Governor of the State of California declared a Statewide Drought Emergency in January 2014 which executed a statewide water conservation campaign asking residents to voluntarily reduce their water usage by 30%. Since we as yet do not have water meters, we are asking our users to adopt habits which will help us to meet that standard.

Please monitor sprinkler systems to be sure there is as little run-off as possible and do not water between the hours of 10:00am and 5:00pm. Users can consult the Tahoe Regional Planning Agency's Landscaping Guide for Watering in the Tahoe Basin. Remember: Overwatering can cause overflow into storm drains carrying fertilizer and other chemicals in our lake. **Outdoor watering is only permitted two times a week. Odd addresses can water Tuesday and Saturday....even addresses Wednesday and Sunday.**

Having full loads in our dishwashers and clothes washers also help to minimize usage. We are fortunate to have an abundant supply of water in Agate Bay but we need to incorporate sensible habits concerning waste. Landscape watering is limited to fifteen minutes per station per cycle. Repeat violations will be subject to fines ranging from \$50.00 to \$500.00 per day.

IMPORTANT DROUGHT INFORMATION:

- No water runoff from property allowed.
- Free flowing hoses are prohibited for any use; all hoses must have an automatic shutoff device.
- The direct application of potable water to driveways and sidewalks is prohibited except for health and safety.
- Car washing must use bucket and hose with automatic shutoff nozzle.
- All swimming pools, spas, and ornamental fountains/pools using District water shall be equipped with a recirculation pump and maintained leak free. The "dump and fill" practice of swimming pool maintenance is prohibited.
- Internal and external water leaks must be fixed in a timely manner.
- No irrigating turf or ornamental landscapes during and 48 hours following measurable precipitation.
- New landscape installations should be limited to drought-tolerant plants and natives. Recommend no new turf or hydro-seeding.
- Recommend use of high efficiency plumbing fixtures and wash only full loads of laundry and dishes.

Enclosed are the tests results from Western Environment Testing Laboratory which conducts twice monthly lab analysis of our water.

We are always available to answer any questions you have concerning Agate Bay Water Company policies.

Thank you for being responsible water users.

Duncan Davis
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Steve Glazer
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Sean Gray
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2015 Consumer Confidence Report

Water System Name: **Agate Bay Water Company**

Report Date: June, 2015

We test the drinking water quality for many constituents as required by State and Federal Regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2013.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.

Type of water source(s) in use: Surface Water and Spring (Groundwater)

Name & location of source(s): Lake Intake, Lake Tahoe
Spring Source

For more information, contact: Duncan Davis 530.546.3337
Steve Glazer 530.525.6659

TERMS USED IN THIS REPORT:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

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 are set by the U.S. Environmental Protection Agency (USEPA).

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

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

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLGs are set by the U.S. Environmental Protection Agency.

Primary Drinking Water Standards (PDWS): MCLs or MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

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

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

Variations and Exemptions: Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.

ND: not detectable at testing limit

ppm: parts per million or milligrams per liter (mg/L)

ppb: parts per billion or micrograms per liter (ug/L)

ppt: parts per trillion or nanograms per liter (ng/L)

pCi/L: picocuries per liter (a measure of radiation)

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.

TABLE 1 - SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA

Microbiological Contaminants (to be completed only if there was a detection of bacteria)	Highest No. of detections	No. of months in violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria	(In a mo.) <u>4</u>	1	More than 1 sample in a month with a detection	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i>	(In the year) <u>0</u>	0	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or <i>E. coli</i>	0	Human and animal fecal waste

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

TABLE 5 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections		MCL	PHG (MCLG)	Typical Source of Contaminant
			Spring	Lake			
Chloride (ppm)	8/1/2013	1.4	0	2.8	500		Runoff/leaching from natural deposits; seawater influence
Color (Units)	8/1/2013	5	5	5	15		Naturally-occurring organic materials
Total Dissolved Solids (ppm)	8/1/2013	85	110	59	1,000		Runoff/leaching from natural deposits
Zinc (ppb)	8/1/2013	34	67	ND	5,000		Runoff/leaching from natural deposits; industrial wastes

TABLE 6 - DETECTION OF UNREGULATED CONTAMINANTS

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Notification Level	Health Effects Language
None Detected				

*Any violation of an MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 8 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES

Treatment Technique ^(a) (Type of approved filtration technology used)	Two stage sand filter
Turbidity Performance Standards ^(b) (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to <u>0.2</u> NTU in 95% of measurements in a month. 2 – Not exceed <u>0.5</u> NTU for more than eight consecutive hours. 3 – Not exceed <u>1.0</u> NTU at any time.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	99%
Highest single turbidity measurement during the year	0.15 NTU
Number of violations of any surface water treatment requirements	0

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

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

* Any violation of a TT is marked with an asterisk. Additional information regarding the violation is provided below.

Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminant does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

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. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infections by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

TABLE 2 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER

Lead and Copper (to be completed only if there was a detection of lead or copper in the last sample set)	No. of samples collected	90th percentile level detected	No. sites exceeding AL	AL	PHG	Typical Source of Contaminants
Lead (ppb)	10	ND	0	15	2	Internal corrosion of household waste plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	10	0.18	0	1.3	0.17	Internal corrosion of household plumbing systems; erosion of natural deposits leaching from wood preservatives

TABLE 3 - SAMPLING RESULTS FOR SODIUM AND HARDNESS

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminants
Sodium (ppm)	8/1/2013	5.8	5.3-6.3	none	none	Generally found in ground & surface water
Hardness (ppm)	8/1/2013	51	29-72	none	none	Generally found in ground & surface water

TABLE 4 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections		MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
			Spring	Lake			
None Detected							

**Any violation of an MCL or AL is marked with an asterisk. Additional information regarding the violation is provided later in this report.*

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. Agate Bay 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>.