

LONE BUTTE DEVELOPMENT CORPORATION 2013 CONSUMER CONFIDENCE REPORT WATER SYSTEM NUMBER-0400345							
Microbiological Contaminants	Sample Date	Violation Y / N	Level Detected	Unit Measure	MCLG	MCL	Likely Source
Total Coliform Bacteria	01/01/13-12/31/13	No	0		0	0	Naturally present in the environment
Fecal Coliform	01/01/13-12/31/13	No	0		0	0	Human or animal waste
<b>NOTE:</b> Bacteria samples are collected monthly.							
<b>Lead</b>	90th Percentile not to exceed AL				0.015		Corrosion of household plumbing system
<b>Sampling Results</b>	Total number of samples collected			10			Erosion of natural deposits.
<b>8/7/2012</b>	90th Percentile (ppm)			0.001			
Number of sampling sites which exceeded the Action Level (AL)							
				0			
<b>Copper</b>	90th Percentile not to exceed AL				1.3		Corrosion of household plumbing system
<b>Sampling Results</b>	Total number of samples collected			10			Erosion of natural deposits. Leaching
<b>8/7/2012</b>	90th Percentile (ppm)			0.19			from wood preservations.
Number of sampling sites which exceeded the Action Level (AL)							
				0			
<b>Inorganic Contaminants</b>							
Alkalinity	8/13/2007	No	79	ppm	none	none	Geological
Arsenic	9/4/2013	No	0.0062	ppm	none	0.01	Geological, pesticide residues
Asbestos	8/13/2007	No	<0.7	Mfl	7	7	Decay of asbestos cement water mains
Barium	9/4/2013	No	0.11	ppm	2	2	Geological, pesticide residues
Calcium	10/3/2011	No	50	ppm	n/a	n/a	Discharge from metal refineries
Chromium	9/4/2013	No	0.009	ppm	0.1	0.1	Discharge from steel & pulp Mills; Erosion of natural deposits
Hardness	10/12/2011	No	227	ppm	n/a	n/a	Geological, Corrosion of galvanized pipes
Magnesium	10/3/2011	No	25	ppm	n/a	n/a	Geological
Fluoride	9/4/2013	No	0.33	ppm	4	4	Geological, toothpaste, water additives
pH	8/13/2007	No	8.2	ppm	n/a	n/a	Geological
Nitrate	9/4/2013	No	3.1	ppm	10	10	Fertilizer,sewage,feedlots,geological
Total Dissolved Solids		No	672	ppm	748	748	Geological
<b>DISINFECTION BY-PRODUCTS (TTHMs)</b>							
<b>Total Trihalomethanes</b>	9/4/2013	No	0.0153	ppb	0	0.008	By-product of drinking water chlorination

Lone Butte Development Corporation receives its drinking water from two (2) wells located within the park. Both wells are 950' deep and draw from the lower Alluvial unit of Gila River Indian Community Basin "A". As it is pumped, the drinking water is disinfected with Sodium Hypochlorite and stored in (3) storage tanks (1/2 million gallon, 3/4 million gallon and a 1 million gallon). From there it is distributed to the system as needed.

Lone Butte Development Corporation drinking water is below all MCL set by E.P.A and is in compliance and up to date with all testing for drinking water. Water systems that exceed a MCL, or meet action levels are required to give the health effects of the contaminant that is testing high. Since Lone Butte is in compliance we are not required to report such information. Lone Butte does feel that we should give some health effects of a few contaminants to provide its customers with valuable information that they may use in the future.

#### DEFINITIONS AND TERMS

**MCL**--The highest level of a contaminant allowed in drinking water

**MCLG**-- The level of a contaminant at which there is no known or expected health risk.

**Action level**--The concentration of a contaminant which, if exceeded, triggers treatment or other requirements

**ppm**-- Parts per million, or milligrams per liter (mg/l)

**pCi/L**-- Picocuries per liter, (a measure of radioactivity)

**na**-- Not applicable

#### **INORGANIC CONTAMINANTS**

**Arsenic.** 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.** Infants below the age of six months who drink water containing nitrate in the excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.

#### **MICROBIOLOGICAL CONTAMINANTS**

**Total Coliforms.** Coliforms are bacteria which are naturally present in the environment and are used as an indicator that other, potentially harmful bacteria may be present.

**Fecal Coliform / E. Coli.** Fecal coliforms and E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal waste. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They pose special health risk for infants, young children, and people with severely compromised immune systems.

#### **DISINFECTION BY-PRODUCTS**

**TTHM'S (Total Trihalomethanes).** Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of developing cancer.

**If you have any questions please contact the Jim Dean, Lone Butte Operations Supervisor at 520-796-5644. Additionally you can contact the USEPA hotline at 1-800-426-4791.**