

CITY OF UPLAND WATER DIVISION

Este informe contiene informacion muy importante sobre su agua de beber. Traduzcalo o hable con alguien que lo entienda bien.



2008 consumer confidence report

OUR WATER IS SAFE TO DRINK

The water provided by the City of Upland meets all State and Federal standards and regulations for domestic drinking water. The City will continue to strive to provide the citizens of Upland with the highest quality of water that they have come to expect from the "City of Gracious Living."

If you have any questions or concerns regarding this report or your water utility, please contact Mr. Nate Pendergraft, Chief Water Systems Operator, at (909) 291-2948, or Mr. Mark Wiley, Water Operations Manager, at (909) 291-2945. It is the City's goal for you, our valued customers, to be informed about their water quality.

Our City Council meetings are held on the second and fourth Monday of every month and our Public Works Committee meetings are held on the second Tuesday of every month. All items that are heard by the City Council or the Public Works Committee are placed on the required agendas and posted at City Hall located at 460 North Euclid Avenue, Upland, California. The City of Upland Consumer Confidence Report can also be found on the City's Web Site www.ci.upland.ca.us.

Thank you for allowing the City to continue providing you, your family, friends and neighbors with clean, quality water this year. In order to maintain a safe and dependable water supply, the City sometimes needs to make improvements that will benefit all customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding.

The City works around the clock to provide top quality water to every tap and requests that all of our customers help protect our water sources, which are the heart of our community, our way of life, and our children's future.

Robb Quincey
City Manager

WHO SETS DRINKING WATER STANDARDS?

Individual water suppliers do not decide what constitutes "safe" water. As required by the Federal Safe Drinking Water Act, all public water suppliers in California must meet stringent quality standards set by the U.S. Environmental Protection Agency and regulated by the California Department of Health Services - Office of Drinking Water Division. These two organizations set standards to protect the public from potential health risks. In California, drinking water standards (also called Maximum Contaminant Levels or MCLs) are set in two categories. Primary Standards relate to public health and Secondary Standards relate to aesthetic qualities such as taste, color, and odor. A comprehensive list of sampling results for all Upland water sources is listed in the test result table of the Upland Consumer Confidence Report.

WHERE DOES UPLAND'S WATER COME FROM?

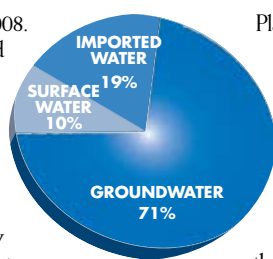
The City of Upland used 7.08 billion gallons of water in 2008. The water comes from several sources: wells, surface water, and imported water. Each of these sources may be impacted by drought conditions that periodically affect Southern California. Here is a summary of water sources during 2008.

Groundwater

Approximately 5.02 billion gallons of groundwater was pumped from seven City wells, seven San Antonio/West End Water Company wells, and three West End Water Company wells, fulfilling 71% of our customers' needs. The groundwater produced from these wells was extracted from Chino, Claremont Heights, and Cucamonga Aquifers.

Surface Water

Approximately .70 billion gallons, about 10% of the City's water, is gravity fed from the City's San Antonio Canyon Water Treatment



Plant where it is processed and delivered to the system.

Imported Water

1.36 billion gallons, accounting for 19% of our water, originated from high mountain streams in Northern Sierra Nevada. It flows via the State Water Project to Lake Silverwood, north of San Bernardino. The journey to the City of Upland is completed through a 120-inch diameter pipeline that crosses Upland beneath 18th Street. The imported water is purchased from the Metropolitan Water District and treated at the Water Facilities Authority - Agua de Lejos Water Treatment Plant.

HOW IS WATER QUALITY MONITORED?

Before the water reaches your tap, samples from wells, water treatment plants, and the distribution system have been collected and tested in State-certified labs. Last year, as in years past, your water met all Environmental Protection Agency and State drinking water health standards. The Water Division conducts more than 2,900 tests on water delivered to its consumers each year, which includes sampling for over 200 different contaminants. This regular program of water analysis and system inspection assures safe water for you and your family.

The California Department of Health Services selected the City of Upland to participate in the upcoming Unregulated Contaminants Monitoring Rule study. The study requires each water system to provide data of special sampling for specific contaminants that could potentially be regarded as a health risk. DHS compiles and reviews the water systems results data for all contami-

nants listed in the UCMR sampling program. The monitoring plan for the study has been drafted and sampling will begin in 2009.

The Stage 2 DBP Rule focuses on public health protection by limiting exposure to DBPs, specifically total trihalomethane (TTHM) and five haloacetic acids (HAA5), which can form through disinfectants used to control microbial pathogens. In order to comply with the Stage 2 DBP Rule, the City of Upland devised a monitoring plan that required additional sampling points throughout the system. Currently, the proposed monitoring plan for sampling is being reviewed for approval and/or recommendations by the California Department of Public Health (CDPH). The compliance schedule will be ongoing and compliance monitoring will not be required until April 2012.

The California Department of Public Health has adopted a revised MCL for

Arsenic in drinking water. The new MCL of 0.010 mg/L became effective on November 28, 2008. The City monitors arsenic on an annual basis.

Every fifth-year, a Watershed Survey of the San Antonio Canyon water flow is to be prepared and submitted to the Department of Health Services for the City of Upland, City of Pomona, and San Antonio Water Company. This report requires water quality sampling and monitoring of the watershed to enhance the protection of our local watershed flow from potential contamination. The report was submitted to the Department of Health Services in March 2001. To be better stewards, it was decided by the three entities to conduct the survey "in-house" rather than hire an outside consulting firm to perform the survey. The data is being compiled and will be submitted to the Department of Health in mid 2009.

ABOUT YOUR CONSUMER CONFIDENCE REPORT

Dear Consumer:

This is the 21st annual consumer confidence report describing the features and quality of our drinking water supply. State law requires all water retailers to inform their customers regarding the quality of water delivered. The Mayor and the City Council is pleased to provide this information.

The City of Upland Water Division is dedicated to providing you with a safe and reliable supply of high quality drinking water. **The water delivered to you meets all State and Federal Drinking Water Standards for quality and safety.** We continually test our water using the most sophisticated equipment and advanced procedures. A summary of our 2008 laboratory test results, which demonstrate detection of trace contaminants in the water supply, is included in the test results table of this report.

HOW IS UPLAND'S WATER TREATED?

The City of Upland receives imported water from the Metropolitan Water District via the Water Facilities Authority - Agua de Lejos Water Treatment Plant after it undergoes a four stage treatment process. The first process is coagulation/flocculation that allows particles suspended in water to cluster together and form larger particles called "floc." The second process is sedimentation, where the "floc" is allowed to settle out of the water. Filtration removes any remaining fine particles by passing the water through a filter bed. The last process is where chemicals are added to ensure the safety of water in the distribution system. The treated water is then delivered to Upland's reservoir at 17th Street and Benson Avenue.

The surface water we receive from San Antonio Creek that flows to the San Antonio Canyon Water Treatment Plant goes through several treatment processes, which removes impurities and disinfects the water. First, chemicals are mixed into the water to help suspended impurities (particles) cluster together. The water then flows into filter modules, initially upward through the first stage filters, which trap some particles. Then the water flows downward through the final filters to remove any remaining particles. The final step consists of disinfection and storage in a large reservoir. From the reservoir, the treated water flows into the distribution system and then into your home.

Most of the water the City receives from local wells is of such quality that it is only treated with chlorine. The few wells that do require treatment are pumped into the City's Ion-Exchange Treatment Plant where the contaminants are removed and the finished water is introduced into the distribution system and then to your home.

PUBLIC HEALTH INFORMATION

The City of Upland routinely monitors for contaminants in your drinking water according to Federal and State Law. The City's Test Results table shows the results of our monitoring for the period of January 1 - December 31, 2008. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily pose a health risk.

More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline at 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 provider. USEPA/Center for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infections by Cryptosporidium and/or other microbial contaminants are available from the 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 land surface or through the ground, it dissolves natural-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 salt and metals, which can be natural-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharge, oil and gas production, mining or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agricultural, urban stormwater runoff, and residential use.
- Organic chemical contaminants includes synthetic and volatile organic chemicals, that are byproducts 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, USEPA and the California Department of Health Services prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

The City's domestic water supply meets all State and Federal water quality standards. The following health effect language is required for this report if ANY contaminant has been detected in the water supply.

Turbidity—Turbidity has no health effects. However, high levels of turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

Dibromochloropropane (DBCP)—Some people who use water containing Dibromochloropropane (DBCP) in excess of the MCL over many years may experience reproductive difficulties and may have an increased risk of getting cancer.

Tetrachloroethylene (PCE)—Some people who use water containing Tetrachloroethylene (PCE) in excess of the MCL over many years may experience liver problems, and may have an increase risk of getting cancer.

Aluminum—Some people who drink water containing Aluminum in excess of the MCL over many years may experience short-term gastrointestinal tract effects.

Fluoride—Some people who drink water containing Fluoride in excess of the federal MCL of 4 mg/L over many years may get bone disease, including pain and tenderness of the bones. Children who drink water-containing fluoride in excess of the states MCL of 2mg/L may get mottled teeth.

Nitrate—Nitrate in drinking water at levels above 45 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 45 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

Total Organic Carbon—Total organic carbon (TOC) has no health effects. However, total organic carbon provides a medium for the formation of disinfection byproducts. These

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byproducts include Trihalomethanes (THMs) and Haloacetic acids, (HAA6). Drinking water containing these byproducts in excess of the MCL may lead to adverse health effects, liver or kidney problems, or nervous system effects, and may lead to an increased risk of cancer.

Chlorine Dioxide—Some infants and young children who drink water containing chlorine dioxide in excess of the MRDL could experience nervous system effects. Similar effects may occur in fetuses of pregnant women who drink the water.

Chlorite—Some infants and young children who drink water containing chlorite in excess of MCL could experience nervous system effects. Similar effects may occur in fetuses of pregnant women who drink water containing chlorite in excess of MCL. Some people may experience anemia.

Chlorine—Some people who use water-containing chlorine well in excess of MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.

Chloramines—Some people who use water containing chloramines well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chloramines well in excess of the MRDL could experience stomach discomfort.

Bromate—Some people who drink water containing Bromate in excess of the MCL over many years may have an increased risk of getting cancer.

Haloacetic Acids—Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

TTHMs Total Trihalomethanes—Some people who use water-containing Trihalomethanes in excess of the MCL over many years may experience liver, kidney, or central nervous system problems, and may have an increased risk of getting cancer.

Chromium VI—Some humans who were exposed to high levels of this chemical suffered liver and kidney damage, dermatitis, and respiratory problems. "The California Department of Health Services has set the drinking water standard for chromium at 0.05 part per million (ppm) to protect against the risk of these adverse health effects. Drinking water that meets the DHS standard is associated with little to none of this risk and is considered safe with respect to chromium."

Gross Beta particle activity—Certain minerals are radioactive and may emit forms of radiation known as photons and beta radiation. Some people who drink water containing beta and photon emitters in excess of the MCL over many years may have an increased risk of getting cancer.

Combined Radium 226/228—Some people who drink water containing Radium 226 or 228 in excess of the MCL over many years may have an increased risk of getting cancer.

Uranium—Some people who drink water-containing uranium in excess of the MCL over many years may have kidney problems and an increased risk of getting cancer.

IMPORTANT INFORMATION ABOUT CHLORAMINES

Filtration and disinfection of surface water supplies are necessary for the protection of public health. The Water Facilities Authority – Agua de Lejos Water Treatment Plant supplies a portion of the water delivered by the City of Upland Water Division, and that water is filtered and disinfected with chloramines (a combination of chlorine and ammonia). All of our customers should be aware that their water might sometimes contain Chloramines. Except for a slight chlorine taste or odor, Chloramines will not cause any problems for the general public. However, Chloramines must be removed before the water can be used in aquariums or kidney dialysis machines.

SOURCE DATA ASSESSMENT

An assessment of the City of Upland's drinking water sources including city well 1A, city well 2, city well 5, city well 7A, city well 15, city well 17, and city well 20 was completed in March 2002. The San Antonio Creek water source assessment was completed in February 2001. The assessments are summarized in the table to the right.

A copy of the complete assessment may be viewed at the City of Upland's Water System's office or at the Dept. of Drinking Water, San Bernardino District Office, 464 West 4th Street, Suite 437, San Bernardino, CA 92401. You may request a summary of the assessment be sent to you by contacting DPH District Engineer at (909) 383-4328.

HOW ARE THE CITY'S SYSTEMS PERMITTED?

The permits to operate the City's and West End Consolidated Water Company's water systems are issued by the California Department of Health Services - Office of Drinking Water. The permit for the City of Upland and West End Consolidated Water Company was last issued in 1993, but has been amended to include new water facilities as they are constructed. This regulatory agency also completes yearly inspections of both the City's and West End Consolidated Water Company systems. This same regulatory agency also receives laboratory analyses via Electronic Data Transfer (EDT) from the State certified laboratory and monitors all laboratory analyses on a continual basis. This assures you, the consumer, that all mandatory monitoring is performed as required.

SOURCE WATER ASSESSMENTS

Source Number/ID	Most Vulnerable Activities (PCA)	Chemical Detected
21/ Well 1A	Septic Systems-low density Housing-Mining- Sand/Gravel	Nitrate None
22/ Well 2	Septic Systems-low density Housing Mining-Sand/Gravel	Nitrate None
24/ Well 5	Sewer collection systems/ Housing-high density Transportation corridors-Roads/Streets	Nitrate None
40/ Well 7A	Metal plating/finishing/fabricating, Pesticide/fertilizer/petroleum storage & transfer & maintenance areas/ Sewer collection systems/Utility stations-maintenance areas/ Fertilizer, pesticide/herbicide application/ Housing-high density/Office buildings/complexes/Parks. Automobile-Gas stations, Historic gas stations, Known contaminant plumes	Chromium, Nitrate Tetrachloroethylene (PCE) Chloroethane
36/ Well 15	Transportation corridors-Roads/ Streets	None
38/ Well 17	Sewer collection systems/Housing high density. RV/min-storage/Transportation Corridors-Road Right-of-ways	Nitrate None
1/ Well 20	Fertilizer, Pesticide/herbicide application; Sewer collection systems Transportation corridors-Freeway/ state highways- Road Rights-of-way	Nitrate None
3/ San Antonio Creek	Recreation activities in and adjacent to the Stream/ Recent fires Septic systems/Wastewater collection systems.	Total Coliform None

TEST RESULTS

Contaminant	Violation Y/N	Units	State MCL	State PHG (MCLG)	Groundwater Lowest/Highest Ranges	Surface Water Lowest/Highest Ranges	Likely Sources of Contamination
Percent of Supply					71.0%	19.0%	

PRIMARY STANDARDS

CLARITY

Turbidity	N	NTU	TT	TT	0/0.277	0.03/0.18	Soil Runoff
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MICROBIOLOGICAL CONTAMINANTS

Total Coliform Bacteria (a)	N	% Pos	5%	0	0	0	Naturally present in the environment
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Fecal Coliform and E coli	N		A routine sample and repeat sample are total coliform positive, and one is also fecal coliform or E. coli positive	0	0	0	Human & animal waste
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SYNTHETIC ORGANIC CONTAMINANTS

Dibromochloropropane (b) (DBCP) Blends	N	ppb	0.2	0.0017	ND/0.35	ND	Banned nematocide that may still be present in soils due to runoff leaching from former use on soybeans, cotton, vineyards, tomatoes, & tree fruit
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Chloroethane	N	ppb	NS	NS	ND/ND	ND	Leaching from PVC pipes; discharge from factories, dry cleaners, & auto shops (metal degreaser)
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Tetrachloroethylene (PCE)	N	ppb	5	0	ND/1.4	ND	Leaching from PVC pipes; discharge from factories, dry cleaners, & auto shops (metal degreaser)
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UNREGULATED ORGANICS (NEW)

Dichlorodifluoromethane (Freon 12)	N	ppb	Action level (1000) ppb	NS	ND/ND	ND	Discharge from industrial factories; propellant & refrigerant
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LEAD AND COPPER

Copper	N	ppm	Action level (1.3) ppm	0.17	ND	ND	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
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Lead	N	ppb	Action level (15) ppb	2	ND	ND	Internal corrosion of household plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
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INORGANIC CONTAMINANTS

Aluminum	N	ppm	1	0.6	0/70	63/160	Erosion of natural deposits; residue from some surface water treatment processes
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Fluoride (e)	N	ppm	2	1	0/0.42	0.13/0.35	Erosion of natural deposits; water additives which promote strong teeth; discharges from fertilizer & aluminum factories
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Nitrate (as NO3) (b) (f)	N	ppm	45	45	0/100	0.8/1.1	Runoff & leaching from fertilizer use; leaching from septic tanks; erosion of natural deposits
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Nitrite	N	ppm	1	1	ND/ND	ND/ND	
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Perchlorate	N	ppb	NS	6	0/6.5	ND/ND	
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Arsenic	N	ppb	10	0.004	0/2.3	ND/ND	Erosion of natural deposits; runoff from orchards; glass & electronics production wastes
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UNREGULATED INORGANICS (NEW)

Vanadium	N	ppb	50	NS	0/3.60	ND/5.3	Naturally occurring; the primary PCA appears in steel manufacturing & disposal of some metallic and paperboard food containers, & hazardous waste sites
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Chromium, Hexavalent (Cr. VI)	N	ppb	50	2.5	ND	0.06/7.65	Runoff from old mining operations & improper waste disposal from plating operations
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RADIOACTIVE CONTAMINANTS

Beta Activity, Gross	N	pCi/L	50	NS	ND	ND	Decay of natural & man-made deposits
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Alpha Active, Gross (g)	N	pCi/L	15	NS	ND/8.48	ND/2.32	Erosion of natural deposits
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Radium 226 Total (h)	N	pCi/L	5	0.05	0/100	ND	Erosion of natural deposits
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Radium 228	N	pCi/L	5	0.019	ND/1.14	ND	
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Uranium	N	pCi/L	20	0.43	ND/6.9	ND/2.7	Erosion of natural deposits
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TTHM's	N	ppb	80	0	System Avg. 15.79	3.6/60	Byproduct of drinking water chlorination
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Total Trihalomethanes	N	ppb	60	0	System Avg. 8.3	4.3/10.6	Byproduct of drinking water chlorination
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Haloacetic Acids	N	ppb	60	0	System Avg. 8.3	4.3/10.6	Byproduct of drinking water chlorination
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Bromate (ppb)	N	ppb	10	N	0/0	0/0	Byproduct of drinking water disinfection
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Chlorine (Cl ₂)	N	ppm	MRDL 4.0 AS Cl ₂	MRDL 4.0 AS Cl ₂	0.23/0.86	0.85/1.30	Drinking water disinfection required for treatment
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Chorite	N	ppm	1	0.8	0/0	0/0	Byproduct of drinking water disinfection
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Chlorine dioxide	N	ppb	MRDL 0.8 as ClO ₂	MRDL 0.8 as ClO ₂	0/0	0/0	Drinking water disinfection added for treatment
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Total Organic Carbons (C)	N	ppm	TT	TT	ND	0/1.9	Various natural & manmade sources
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Chloramines	N	ppm	MRDL 4.0 as Cl ₂	MRDL 4.0 as Cl ₂	ND	ND	Drinking water disinfection added for treatment
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SECONDARY STANDARDS

Secondary Standards							
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Chloride	N	ppm	250	NS	.16/12	2.2/76	Runoff & leaching from natural deposits; seawater influence
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Color	N	Units	15	NS	<3	<3	Natural occurring organic materials
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Odor Threshold	N	Units	<3	NS	0.1/2	1/3	Natural occurring organic materials
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pH	N	Units	NS	NS	7.6/8.4	8.1/8.33	
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Specific Conductance	N	umho/cm	900	NS	340/643	310/503	Substances that form ions when in water; seawater influence
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Sulfate	N	ppm	250	NS	22/210	23/52	Runoff & leaching from natural deposits; industrial waste
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Total Dissolved Solids	N	ppm	500	NS	0/394	196/333	Runoff & leaching from natural deposits
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Calcium	N	ppm	NS	NS	46/72	26/49	Leaching from natural deposits
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Hardness	N	ppm	NS	NS	155/295	113/150	Leaching from natural deposits
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Magnesium	N	ppm	NS	NS	7.9/17	9.3/10	Leaching from natural deposits
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Potassium	N	ppm	NS	NS	1.7/2.6	1.9/2.9	Leaching from natural deposits
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Sodium	N	ppm	NS	NS	5.8/26	5.30/61	Leaching from natural deposits
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DEFINITIONS, ABBREVIATIONS, AND FOOTNOTES USED IN THE TABLE

The Test Results Table provides the consumer with important information in regards to sampling results of all City of Upland sources through out 2008. The definitions, abbreviations, and footnotes in the previous sections may be useful in the interpretation of the Test Results Table.

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 MCLs) 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.

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 Standard (PDWS): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Non-Detects (ND): Laboratory analysis indicates that the contaminant is below detection level.

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 (ug/L): One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10million.

Parts per trillion (ppt): One part per trillion corresponds to one minute in 2,000,000 years or a single penny in \$10 billion

Picocuries per liter (pCi/L): Picocuries per liter is a measurement of the radioactivity in water.

Nephelometric Turbidity Unit (NTU): Nephelometric Turbidity Unit is a measure of clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

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

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

No Standards (NS)

Less Than Number Shown (<)

SYMBOLS

(a) = Results are based on distribution system sampling of approximately 1,000 samples.

(b) = Sources are blended to meet state MCL.

(c) = Calculations on a running annual average in the distribution system.

(e) = State level is dependent upon air temperature.

(f) = To convert the data from NO₃ to N, divide by 4.43.

(g) = Negative values occur when the background count, as part of the analytical result, exceeds the count in the actual count.

(h) = Standard is for Radium 226 & 228 combined.

(j) = Figures are weighted averages based on percent of production.