



Hoover Dam
on the
Colorado River

2018 Water Quality Report



City of
GARDEN GROVE
Water Services Division

Your 2018 Water Quality Report

State
Water
Project

Since 1990, California public water utilities have been providing an annual Water Quality Report to their customers. **This year's report covers calendar year 2017 drinking water quality testing and reporting.**

The City of Garden Grove Water Service Division (City) vigilantly safeguards its water supply and, as in years past, the water delivered to your home meets the quality standards required by federal and state regulatory agencies. The U.S. Environmental Protection Agency (USEPA) and the State Water Resources Control Board, Division of Drinking Water (DDW) are the agencies responsible for establishing and enforcing drinking water quality standards.

In some cases, the City goes beyond what is required by testing for unregulated chemicals that may have known health risks but do not have drinking water standards. For example, the Orange County Water District (OCWD), which manages the groundwater basin, and the Metropolitan Water District of Southern California (MWDSC), which supplies imported treated surface water to the City test for unregulated chemicals in our water supply. Unregulated chemical monitoring helps USEPA and DDW determine where certain chemicals occur and whether new standards need to be established for those chemicals to protect public health.

Through drinking water quality testing programs carried out by OCWD for groundwater, MWDSC for treated surface water and the City for the water distribution system, your drinking water is constantly monitored from source to tap for regulated and unregulated constituents. The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

Some of our data, though representative, are more than one year old.



The Quality of Your Water Is Our Primary Concern

Sources of Supply

Your drinking water is a blend of mostly groundwater from 12 wells in the Orange County groundwater basin and also surface water imported by MWDC. MWDC's imported water sources are a blend of State Water project water from northern California and water from the Colorado River Aqueduct. Your groundwater comes from a natural underground reservoir managed by the Orange County Water District (OCWD) that stretches from the Prado Dam and fans across the northwestern portion of Orange County, excluding the communities of Brea and La Habra, and stretching as far south as the El Toro 'Y.'

Last year, as in years past, your tap water met all USEPA and State drinking water health standards. The City vigilantly safeguards its water supplies and once again we are proud to report that our system has never violated a maximum contaminant level or any other water quality standard. This brochure is a snapshot of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to Federal and State standards.

Basic Information About Drinking Water Contaminants

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 land or through the layers of the ground it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animal and human activity.

Contaminants that may be present in source water include:

- **Microbial contaminants**, such as viruses and bacteria, which 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 and farming.
- **Radioactive contaminants**, which can be naturally occurring or be the result of oil and gas production or mining activities.
- **Pesticides and herbicides**, which 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 can also come from gasoline stations, urban stormwater runoff, agricultural application and septic systems.

In order to ensure that tap water is safe to drink, USEPA and the DDW prescribe regulations that limit the amount of certain contaminants in water provided by public water systems.



The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that must provide the same protection for public health. 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.

More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline at (800) 426-4791.

Drinking Water Fluoridation

Fluoride has been added to U.S. drinking water supplies since 1945. Of the 50 largest cities in the U.S., 43 fluoridate their drinking water.

In December 2007, MWDC joined a majority of the nation's public water suppliers in adding fluoride to drinking water in order to prevent tooth decay.

In line with recommendations from the DDW, as well as the U.S. Centers for Disease Control and Prevention, MWDC adjusted the natural fluoride level in imported treated water from the Colorado River and State Project water to the optimal range for dental health of 0.6 to 1.2 parts per million. Our local water is not supplemented with fluoride. Fluoride levels in drinking water are limited under California state regulations at a maximum dosage of 2 parts per million.



For Your Information...

Disinfection: Water provided by the City contains chlorine used for disinfection and chloramines used by MWDC, also for disinfection purposes. Customers on kidney dialysis should consult their physicians.

Fish or Amphibians: If you have fish or amphibians, make sure to remove any chloramines and chlorine before changing or adding water to the tanks. Remember, allowing drinking water to stand will not remove chloramines. Consult your local aquarium store for products that will remove the disinfectants.

Hot Water Heaters: Many odor complaints may be traced to the home's hot water heater. Remember to follow manufacturer's instructions and flush hot water heaters regularly. This will flush out any sediments that may have accumulated, provide good water turnover to maximize water quality, and help keep your unit in good working order.

Point of Use or Home Water Filtration Units: Be vigilant in changing or cleaning any filters or media on your home units. Always follow the manufacturer's instructions. Remember, the water is only as clean as the filter allows. Improperly maintained filters can deliver very poor quality water.



Questions about your water? Contact us for answers.

For information about this report, or your water quality in general, please contact the Water Quality Staff at (714) 741-5395.

Public City Council meetings are held on the second and fourth Tuesdays of each month at 6:45 p.m. in the Council Chambers at the Community Meeting Center, 11300 Stanford Avenue, Garden Grove, California. You may also contact our City Clerk's Office, Garden Grove City Hall, 11222 Acacia Parkway, Garden Grove, CA 92840 or call (714) 741-5040 for information about Garden Grove City Council meetings. Please feel free to participate in these meetings.

For more information about the health effects of the listed contaminants in the following tables, call the USEPA hotline at (800) 426-4791.

Federal and State Water Quality Regulations

— Water Quality Issues that Could Affect Your Health —

About Lead in Tap Water

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 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, (800) 426-4791, or at: www.epa.gov/safewater/lead.



Cryptosporidium

Cryptosporidium is a microscopic organism that, when ingested, can cause diarrhea, fever and other gastrointestinal symptoms. The organism comes from animal and/or human wastes and may be in surface water. MWDSC tested its source water and treated surface water for *Cryptosporidium* in 2017, but did not detect it. If it ever is detected, *Cryptosporidium* is eliminated by an effective treatment combination including sedimentation, filtration and disinfection.

The USEPA and the federal Centers for Disease Control guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from USEPA's Safe Drinking Water Hotline at (800) 426-4791 between 10 a.m. and 4 p.m. Eastern Time (7 a.m. to 1 p.m. in California).



What are Water Quality Standards?

Drinking water standards established by USEPA and DDW set limits for substances that may affect consumer health or aesthetic qualities of drinking water. The chart in this report shows the following types of water quality standards:

- **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.
- **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.
- **Secondary MCLs:** Set to protect the odor, taste, and appearance of drinking water.
- **Primary Drinking Water Standard:** MCLs for contaminants that affect health along with their monitoring and reporting requirements and water treatment requirements.
- **Regulatory Action Level (AL):** The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements that a water system must follow.

How are Contaminants Measured?

Water is sampled and tested throughout the year. Contaminants are measured in:

- parts per million (ppm) or milligrams per liter (mg/L)
- parts per billion (ppb) or micrograms per liter (µg/L)
- parts per trillion (ppt) or nanograms per liter (ng/L)

What is a Water Quality Goal?

In addition to mandatory water quality standards, USEPA and DDW have set voluntary water quality goals for some contaminants. Water quality goals are often set at such low levels that they are not achievable in practice and are not directly measurable. Nevertheless, these goals provide useful guideposts and direction for water management practices. The chart in this report includes three types of water quality goals:

- **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 USEPA.
- **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.
- **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.

2017 Metropolitan Water District of Southern California Treated Surface Water

Chemical	MCL	PHG, or (MCLG)	Average Amount	Range of Detections	MCL Violation?	Typical Source of Contaminant
Inorganic Chemicals – Tested in 2017						
Aluminum (ppm)	1	0.6	0.16	ND – 0.13	No	Treatment Process Residue, Natural Deposits
Fluoride (ppm) treatment-related	Control Range 0.6 – 1.2 ppm Optimal Level 0.7 ppm		0.7	0.6 – 0.9	No	Water Additive for Dental Health
Secondary Standards* – Tested in 2017						
Aluminum (ppb)	200*	600	160	ND – 130	No	Treatment Process Residue, Natural Deposits
Chloride (ppm)	500*	n/a	50	34 – 66	No	Runoff or Leaching from Natural Deposits
Color (color units)	15*	n/a	1	1	No	Naturally-occurring Organic Materials
Odor (threshold odor number)	3*	n/a	2	2	No	Naturally-occurring Organic Materials
Specific Conductance (µmho/cm)	1,600*	n/a	490	351 – 630	No	Substances that Form Ions in Water
Sulfate (ppm)	500*	n/a	96	65 – 127	No	Runoff or Leaching from Natural Deposits
Total Dissolved Solids (ppm)	1,000*	n/a	294	213 – 374	No	Runoff or Leaching from Natural Deposits
Unregulated Chemicals – Tested in 2013 and 2017						
Alkalinity, total as CaCO ₃ (ppm)	Not Regulated	n/a	61	48 – 74	n/a	Runoff or Leaching from Natural Deposits
Boron (ppm)	NL = 1	n/a	0.1	0.1	n/a	Runoff or Leaching from Natural Deposits
Calcium (ppm)	Not Regulated	n/a	28	20 – 36	n/a	Runoff or Leaching from Natural Deposits
Chlorate (ppb)	NL = 800	n/a	53	38 – 68	n/a	Byproduct of Drinking Water Chlorination; Industrial Processes
Chromium, Hexavalent (ppb)	n/a	0.02**	0.07	0.03 – 0.12	n/a	Erosion of Natural Deposits; Industrial Discharge
Chromium, Total (ppb)***	50	(100)	<0.2	ND – 0.5	n/a	Erosion of Natural Deposits; Industrial Discharge
Hardness, total as CaCO ₃ (ppm)	Not Regulated	n/a	119	82 – 156	n/a	Runoff or Leaching from Natural Deposits
Hardness, total (grains/gallon)	Not Regulated	n/a	7	4.8 – 9.1	n/a	Runoff or Leaching from Natural Deposits
Magnesium (ppm)	Not Regulated	n/a	12	8.1 – 16	n/a	Runoff or Leaching from Natural Deposits
Molybdenum, Total (ppb)	Not Regulated	n/a	4.8	4.5 – 5.3	n/a	Erosion of Natural Deposits
pH (pH units)	Not Regulated	n/a	8.4	8.2 – 8.6	n/a	Hydrogen Ion Concentration
Potassium (ppm)	Not Regulated	n/a	2.8	2.4 – 3.2	n/a	Runoff or Leaching from Natural Deposits
Sodium (ppm)	Not Regulated	n/a	51	39 – 63	n/a	Runoff or Leaching from Natural Deposits
Strontium, Total (ppb)	Not Regulated	n/a	940	850 – 1,100	n/a	Erosion of Natural Deposits
Total Organic Carbon (ppm)	TT	n/a	2.4	1.8 – 3.0	n/a	Various Natural and Man-made Sources
Vanadium, Total (ppb)	NL = 50	n/a	2.8	2.3 – 3	n/a	Erosion of Natural Deposits; Industrial Discharge

ppb = parts per billion; ppm = parts per million; µmho/cm = micromhos per centimeter; ND = not detected; MCL = Maximum Contaminant Level; (MCLG) = federal MCL Goal; PHG = California Public Health Goal; NL = Notification Level; n/a = not applicable; TT = treatment technique

*Chemical is regulated by a secondary standard.

**There is currently no MCL for hexavalent chromium. The previous MCL of 10 ppb was withdrawn on September 11, 2017.

***Total chromium is regulated with an MCL of 50 ppb but was not detected, based on the detection limit for purposes of reporting of 10 ppb. Total chromium was included as part of the unregulated constituents requiring monitoring.

Turbidity – combined filter effluent Metropolitan Water District Diemer Filtration Plant	Treatment Technique	Turbidity Measurements	TT Violation?	Typical Source of Contaminant
1) Highest single turbidity measurement	0.3 NTU	0.08	No	Soil Runoff
2) Percentage of samples less than 0.3 NTU	95%	100%	No	Soil Runoff

Turbidity is a measure of the cloudiness of the water, an indication of particulate matter, some of which might include harmful microorganisms. Low turbidity in Metropolitan's treated water is a good indicator of effective filtration. Filtration is called a "treatment technique" (TT).

A treatment technique is a required process intended to reduce the level of chemicals in drinking water that are difficult and sometimes impossible to measure directly. NTU = nephelometric turbidity units

2017 City of Garden Grove Groundwater Quality

Chemical	MCL	PHG (MCLG)	Average Amount	Range of Detections	MCL Violation?	Most Recent Sampling Date	Typical Source of Contaminant
Radiologicals							
Gross Alpha (pCi/L)	15	(0)	<3	ND – 4.35	No	2017	Erosion of Natural Deposits
Uranium (pCi/L)	20	0.43	9.09	5.31 – 13	No	2017	Erosion of Natural Deposits
Inorganic Chemicals							
Arsenic (ppb)	10	0.004	<2	ND – 2.4	No	2017	Erosion of Natural Deposits
Barium (ppm)	1	2	<0.1	ND – 0.125	No	2017	Erosion of Natural Deposits
Fluoride (ppm)	2	1	0.45	0.42 – 0.49	No	2017	Erosion of Natural Deposits
Nitrate (ppm as N)	10	10	3.6	2 – 5	No	2017	Fertilizers, Septic Tanks
Nitrate+Nitrite (ppm as N)	10	10	3.6	2 – 5	No	2017	Fertilizers, Septic Tanks
Secondary Standards*							
Chloride (ppm)	500*	n/a	74.1	38.0 – 117	No	2017	Erosion of Natural Deposits
Iron (ppb)	300*	n/a	<100	ND – 206	No	2017	Erosion of Natural Deposits
Manganese (ppb)	50*	n/a	<20	ND – 20.8	No	2017	Erosion of Natural Deposits
Specific Conductance (µmho/cm)	1,600*	n/a	853	590 – 1,120	No	2017	Erosion of Natural Deposits
Sulfate (ppm)	500*	n/a	121	73.4 – 164	No	2017	Erosion of Natural Deposits
Total Dissolved Solids (ppm)	1,000*	n/a	547	360 – 758	No	2017	Erosion of Natural Deposits
Turbidity (NTU)	5*	n/a	0.12	ND – 0.8	No	2017	Erosion of Natural Deposits
Unregulated Constituents							
1,1-Dichloroethane (ppb)**	5	3	<0.5	ND – 0.04	n/a	2013	Industrial Waste Discharge
1,4-Dioxane (ppb)	NL = 1	n/a	0.54	ND – 1.33	n/a	2013	Industrial Waste Discharge
Alkalinity, total (ppm as CaCO ₃)	Not Regulated	n/a	182	164 – 222	n/a	2017	Erosion of Natural Deposits
Boron (ppm)	NL = 1	n/a	<0.1	ND – 0.26	n/a	2017	Erosion of Natural Deposits
Calcium (ppm)	Not Regulated	n/a	100	67 – 120	n/a	2017	Erosion of Natural Deposits
Chlorate (ppb)	NL = 800	n/a	86	28 – 190	n/a	2013	Byproduct of Drinking Water Chlorination; Industrial Processes
Chlorodifluoromethane (ppb)	Not Regulated	n/a	0.04	ND – 0.38	n/a	2013	Industrial Waste Discharge
Chromium, Hexavalent (ppb)	Not Regulated	0.02****	1.3	ND – 3	No	2017	Erosion of Natural Deposits; Industrial Discharge
Chromium, Hexavalent (ppb)****	Not Regulated	0.02****	1.43	0.62 – 2.16	No	2013	Erosion of Natural Deposits; Industrial Discharge
Chromium, Total (ppb)*****	50	(100)	1.3	0.4 – 1.8	n/a	2013	Erosion of Natural Deposits; Industrial Discharge
Hardness, total (grains/gal)	Not Regulated	n/a	19	13 – 23	n/a	2017	Erosion of Natural Deposits
Hardness, total (ppm as CaCO ₃)	Not Regulated	n/a	323	214 – 399	n/a	2017	Erosion of Natural Deposits
Magnesium (ppm)	Not Regulated	n/a	17.8	11.3 – 23.8	n/a	2017	Erosion of Natural Deposits
Molybdenum, Total (ppb)	Not Regulated	n/a	4.3	3.2 – 5.6	n/a	2013	Erosion of Natural Deposits
Perfluoro octane sulfonic acid (ppb)	Not Regulated	n/a	<0.04	ND – 0.05	n/a	2013	Industrial Waste Discharge
pH (pH units)	Not Regulated	n/a	7.8	7.7 – 8	n/a	2017	Acidity, hydrogen ions
Potassium (ppm)	Not Regulated	n/a	3.8	3.1 – 5.1	n/a	2017	Erosion of Natural Deposits
Sodium (ppm)	Not Regulated	n/a	51.6	35.4 – 85.3	n/a	2017	Erosion of Natural Deposits
Strontium, Total (ppb)	Not Regulated	n/a	760	460 – 880	n/a	2013	Erosion of Natural Deposits
Vanadium, Total (ppb)	NL = 50	n/a	2.3	ND – 4.3	n/a	2017	Erosion of Natural Deposits; Industrial Discharge

ppb = parts-per-billion; ppm = parts-per-million; pCi/L = picoCuries per liter; NTU = nephelometric turbidity units; ND = not detected; n/a = not applicable; < = average is less than the detection limit for reporting purposes; MCL = Maximum Contaminant Level; (MCLG) = federal MCL Goal; PHG = California Public Health Goal
µmho/cm = micromho per centimeter *Contaminant is regulated by a secondary standard to maintain aesthetic qualities (taste, odor, color).
**1,1-Dichloroethane is regulated with an MCL of 5 ppb but was not detected, based on the detection limit for purposes of reporting of 0.5 ppb.
***1,1-Dichloroethane was included as part of the unregulated constituents requiring monitoring.
****There is currently no MCL for hexavalent chromium. The previous MCL of 10 ppb was withdrawn on September 11, 2017.
*****Hexavalent chromium was included as part of the unregulated constituents requiring monitoring.
*****Total chromium is regulated with an MCL of 50 ppb but was not detected, based on the detection limit for purposes of reporting of 10 ppb. Total chromium was included as part of the unregulated constituents requiring monitoring.

2017 City of Garden Grove Distribution System Water Quality

Disinfection Byproducts	MCL (MRDL/MRDLG)	Average Amount	Range of Detections	MCL Violation?	Typical Source of Contaminant
Total Trihalomethanes (ppb)	80	9	ND – 36	No	Byproducts of Chlorine Disinfection
Haloacetic Acids (ppb)	60	6	ND – 8	No	Byproducts of Chlorine Disinfection
Chlorine Residual (ppm)	(4 / 4)	0.94	0.20 – 2.57	No	Disinfectant Added for Treatment

Aesthetic Quality

Color (color units)	15*	0.35	ND – 13	No	Erosion of Natural Deposits
Turbidity (NTU)	5*	< 0.1	ND – 5.9	No	Erosion of Natural Deposits

Eight locations in the distribution system are tested quarterly for total trihalomethanes and haloacetic acids; thirty-three locations are tested each month for color, odor and turbidity. Odor was not detected in 2017. MRDL = Maximum Residual Disinfectant Level; MRDLG = Maximum Residual Disinfectant Level Goal
*Contaminant is regulated by a secondary standard to maintain aesthetic qualities (taste, odor, color).

Lead and Copper Action Levels at Residential Taps

Action Level (AL)	Health Goal	90 th Percentile Value	Sites Exceeding AL / Number of Sites	AL Violation?	Typical Source of Contaminant	
Lead (ppb)	15	0.2	ND<5	0 / 52	No	Corrosion of Household Plumbing
Copper (ppm)	1.3	0.3	0.25	0 / 52	No	Corrosion of Household Plumbing

Every three years, at least 50 residences are tested for lead and copper at-the-tap. The most recent set of samples was collected in 2016. Lead was not detected. Copper was detected above the reporting level in 46 samples, but none of the samples exceeded the copper Action Level. A regulatory Action Level is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow. In 2017, no school made a request to be sampled for lead.

Unregulated Chemicals Requiring Monitoring

Constituent	Notification Level	PHG	Average Amount	Range of Detections	Most Recent Sampling Dates
Chlorate (ppb)	800	n/a	100	52 – 140	2013
Chromium, Hexavalent (ppb)	n/a	0.02**	1.3	0.15 – 1.5	2013
Chromium, Total (ppb)****	MCL = 50	MCLG = 100	1	ND – 1.3	2013
Molybdenum, Total (ppb)	n/a	n/a	4.5	3.2 – 5.8	2013
Strontium, Total (ppb)	n/a	n/a	710	460 – 870	2013
Vanadium, Total (ppb)	50	n/a	3	1.9 – 3.6	2013

**There is currently no MCL for hexavalent chromium. The previous MCL of 10 ppb was withdrawn on September 11, 2017.
****Total chromium is regulated with an MCL of 50 ppb but was not detected, based on the detection limit for purposes of reporting of 10 ppb. Total chromium was included as part of the unregulated constituents requiring monitoring.

Immuno-Compromised People

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised people, such as those with cancer who are undergoing chemotherapy, persons who have had organ transplants, people with HIV/AIDS or other immune system disorders, some elderly persons and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers.



Source Water Assessments Imported (MWDSC) Water Assessment

Every five years, MWDSC is required by DDW to examine possible sources of drinking water contamination in its State Water Project and Colorado River source waters.

The most recent watershed sanitary surveys of its source water supplies from the Colorado River was updated in 2015 and the State Water Project was updated in 2016.

Water from the Colorado River is considered to be most vulnerable to contamination from recreation, urban/stormwater runoff, increasing urbanization in the watershed, and wastewater. Water supplies from Northern California's State Water Project are most vulnerable to contamination from urban/stormwater runoff, wildlife, agriculture, recreation, and wastewater.

USEPA also requires MWDSC to complete one Source Water Assessment (SWA) that utilizes information collected in the watershed sanitary surveys. MWDSC completed its SWA in December 2002. The SWA is used to evaluate the vulnerability of water sources to contamination and helps determine whether more protective measures are needed.

A copy of the most recent summary of either Watershed Sanitary Survey or the SWA can be obtained by calling MWDSC at (800) CALL-MWD (225-5693).

Groundwater Assessment

An assessment of the drinking water sources for the City was completed in December 2002. The groundwater sources are considered most vulnerable to the following activities associated with contaminants detected in the water supply: known contaminant plumes, historic agricultural activities and application of fertilizers, and parks. The groundwater sources are considered most vulnerable to the following activities not associated with detected contaminants: confirmed leaking underground storage tanks, dry cleaners, gas stations, and photo processing/printing.

A copy of the complete assessment is available at State Water Resources Control Board, Division of Drinking Water, 605 W. Santa Ana Boulevard, Building 28, Room 325, Santa Ana, California 92701. You may request a summary of the assessment by contacting the City at (714) 741-5395.

Save Money & Water: Learn How to Stop Leaks



Nationwide, more than 1 trillion gallons of water are lost annually due to household leaks. That's equal to the annual water use of more than 11 million homes. The average household can waste more than 10,000 gallons each year due to correctable leaks. That's enough to wash 270 loads of laundry!

Ten percent of homes have leaks that waste 90 gallons or more per day! Common sources include toilets, faucets, showerheads, and landscape irrigation. But you should also consider less obvious sources of leaks: water heaters, ice makers, dishwashers, and filtration systems. Many of these are easily correctable, and fixing them can save about 10 percent on the average water bill.

Be sure to check your toilet for leaks at least once a year. Put food coloring in the tank. If it seeps into the bowl without flushing, there's a leak. And if your toilet flapper doesn't close properly after flushing, replace it. Remember, one drip a second adds up to five gallons lost per day! So regularly check your faucets and showerheads, as well as all hoses and connectors.

Many household leaks can be solved with simple tools and a little education — and fortunately, Do-It-Yourselfers have access to multiple resources. But even if you must pay for repairs, you will still save money in the long run. For more information on water conservation, visit www.ocwatersmart.com.



City of Garden Grove

Public Works Department
Water Service Division
13802 Newhope Street
Garden Grove, California 92843



This report contains important information about your drinking water.

Translate it, or speak with someone who understands it.

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

Bản báo cáo có ghi những chi tiết quan trọng về phẩm chất nước trong cộng đồng quý vị. Hãy nhờ người thông dịch, hoặc hỏi một người bạn biết rõ về vấn đề này.

Questo rapporto contiene informazioni importanti che riguardano la vostra acqua potabile. Traducetelo, o parlate con una persona qualificata in grado di spiegarvelo.

这份报告中有些重要的信息，讲到关于您所在社区的饮用水质。请您找人翻译一下，或者请能看得懂这份报告的朋友给您解释一下。

この資料には、あなたの飲料水についての大切な情報が書かれています。内容をよく理解するために、日本語に翻訳して読むか説明を受けてください。