PALMDALE WATER

CONFIDENC



Our Mission: To provide high quality water to our current and future customers at a reasonable cost.

Questions or comments on the contents of this report are encouraged:

Call Mynor Masaya, Operations Manager, 661-947-4111 x1185 or Amanda Williams, Water Quality Supervisor, 661-947-4111 x1178 Monday through Thursday, 7:00 a.m. to 5:00 p.m.

Attendance. participation. questions, and comments are encouraged:

- ♦ Attend Board of Directors' meetings the second and fourth Wednesday of each month. Board meetings start at 7:00 p.m. and are held at the District office, 2029 East Avenue Q, Palmdale.
- ♦ Call 661-947-4111 with questions about the District or to file a water quality complaint.
- ♦ Call 661-947-4111 x1041 or x1001 for information on water conservation or water education.
- ♦ Visit our web site at www.palmdalewater.org.

Atención Residentes!

Que no hablan Ingles: Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien, ó para recibir una version en Español sobre este informe, favor de llamar a la oficina de P.W.D. al teléfono 661-947-4111.

The Palmdale Water District is proud to announce 100% regulatory compliance in 2014 and is confident its drinking water is of the **highest quality.** This Consumer Confidence Report is a snapshot of last year's (2014) water quality and will provide you with a better understanding of the quality of your drinking water.

This Report includes details about where your water comes from, what it contains, and how it compares to Drinking Water standards. We are committed to providing you with this information because informed customers are our best allies.

Stringent water quality testing is performed before the water is delivered to consumers. Last year, PWD tested more than 3,000 samples for over 80 regulated contaminants. Of the primary standard contaminants detected in 2014, all were at levels

below the Maximum Contaminant Level allowed by the State.

Please take the time to review this Consumer Confidence Report and Water Quality Data Chart to become an informed consumer. The Water Quality Data Chart is divided into two standards - **Primary** and **Secondary**.

Primary standards are set to protect public health from contaminants in water that may be immediately harmful to humans or affect their health if consumed for long periods of time.

Secondary standards govern aesthetic qualities of water such as taste, mineral content, odor, color, and turbidity.

Please call 661-947-4111 x1178 or x1185 with any questions.

PWD Sources of Water Supply

PWD obtains its water from one of three sources or a combination of these sources. The first source is **surface water** from the State Water Project (SWP/California Aqueduct). This water source begins in Northern California, flows into the Delta near Sacramento, and is pumped traveling South to Palmdale Lake. The District is entitled to take a maximum of 21,300 acre feet (or 6.9 billion gallons of water) per year. Based on the amount of rain & snowfall that falls in the Sierra Nevada Mountains and the amount of water stored in northern California pumped 12,397 acre feet from these wells. This reservoirs, the District is granted a percentage of the annual entitlement. In 2014 the District received from the SWP 8,351 acre feet. The water is drawn from the SWP/aqueduct and stored in Palmdale Lake treated in compliance with all applicable regulations prior to treatment.

The second source of **surface water** is from the reservoir created by Littlerock Dam. Littlerock Dam was originally built in 1922 and was renovated in 1994 to strengthen the dam and increase the reservoir capacity to 3,500 acre feet, or 1.1 billion gallons, of water. In 2014 the District diverted 700

acre feet from this source. Littlerock Dam Reservoir is fed by natural run-off from snow packs in the local San Gabriel Mountains and from rainfall. The water is then transferred from Littlerock Reservoir to Palmdale Lake through a ditch connecting the two reservoirs for storage prior to treatment.

The third source of water for the District's customers is **ground water.** Ground water is pumped from the Antelope Valley ground water basin through 23 wells and in 2014 the District water is treated with chlorine and pumped directly into the distribution system.

All three sources are constantly tested and to ensure high water quality and dependability of the water system. The Palmdale Water District delivered approximately 42% surface water and 58% ground DROP water to its consumers in 2014. COUNTS

Definitions

The following definitions of key terms are provided to help you understand the data 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 OEHHA (Office of Environmental Health Hazard Assessment) a division of the California Environmental Protection Agency (CEPA).
- ► 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.
- Running Annual Average (RAA): The running annual arithmetic average, computed quarterly, of quarterly arithmetic averages of all samples collected.

- ◆ Detection Limit for purposes of reporting (DLR): The designated minimum level at or above which any analytical finding of a contaminant in drinking water shall be reported to the Department of Public Health.
- ◆ Unregulated Contaminant Monitoring (UCMR): Unregulated contaminant monitoring helps USEPA and the California Department of Public Health to determine where certain contaminants occur and whether the contaminants need to be regulated.
- ◆ Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.
- ♠ Regulatory Action Level (AL) or Notification Level (NL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
- ◆ Primary Drinking Water Standard (PDWS): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements and water treatment requirements.
- ◆ Secondary Drinking Water Standard (SDWS): MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SWDSs do not affect the health at the MCL level.
- Counting Error: The 95% confidence level for the radioactivity analysis.

Abbreviations used in 2014 Water Quality Data Chart:

- ND: Not detectable or None detected at testing limit (DLR)
- ♦ NA: Not Applicable
- ♦ Nreg: No regulation
- ♦ > Greater Than
- *pCi/L*: picocuries per liter (a measure of radiation)
- **▶ DBP:** Disinfection Byproducts

Comparison examples are provided for the following measurements to help you better understand the amount of chemical contaminants detected in the water. This does not mean that the amounts are not significant regarding risk of health effects for specific contaminants.

- ppm: parts per million or milligrams per liter (mg/L) = qualitatively, approx. 1 drop in 10 gals.
- ppb: parts per billion or micrograms per liter (ug/L) = qualitatively, approx. 1 drop in 10,000 gals.
- ppt: parts per trillion or nanograms per liter (ng/L) = qualitatively, approx. 1 drop in 100,000 gals.

Drinking Water Source Assessment and Protection Program:

The Palmdale Water District's Sanitary Survey, including a Source Water Assessment of surface waters, was updated in 2012 in compliance with State of California regulations. The assessment of surface water sources included Littlerock Reservoir and Palmdale Lake. A Groundwater Assessment and Protection Program was completed in January of 1999, and a Wellhead Protection Plan was completed in November 2000.

The District's drinking water sources are considered most vulnerable to the following activities associated with contaminants detected in the water supply: illegal activities, such as unauthorized dumping; recreation; highways; railroads; and sewer collection systems. A comprehensive source water protection program can prevent contaminants from entering the public water supply, reduce

treatment costs, and increase public confidence in the quality, reliability and safety of drinking water.

You can help prevent water contamination and pollution by properly disposing of trash and waste materials. Remember, many common household products can contaminate surface and ground water supplies. Anything you throw in the trash, dump on the ground, pour down the drain, or wash down the driveway can eventually reach water sources and cause contamination.

The Sanitary Survey, Source Water Assessment, Groundwater Assessment, and Wellhead Protection Plan are available for review on the Districts website (palmdalewater.org) or at the District's office by calling Mynor Masaya at 661-947-4111 x1185

2014 Water Quality Data Chart

The Water Quality Data chart lists all drinking water contaminants detected during the 2014 calendar year. The presence of these contaminants in the water does not necessarily indicate the water poses a health risk. PWD tests for many contaminants in addition to those listed in the chart. Test results for these additional contaminants were all "None Detected (ND)" and are not required to be included in the chart. The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. As a result, some of the data, though representative of the water quality, is more than one year old. Unless otherwise noted, the data presented in this chart is from testing performed January 1 to December 31, 2014.

Parameter	MCL or MRDL (Units)	Meets Standard?	DLR	Sample Frequency*	Treated Surface Water Sampled		*Ground Water Sampled in 2013		EPA (MCLG) PHG	Typical Source of Contaminant
Primary Standards		YES/NO		Surface Water/ Ground Water	Range	4/17/14 or Average Effluent	Range	Average	OR (MRDLG)	
Turbidity (Water Clarity) Turbidity is a measure of the cloudiness of the water. We measure it because it is a good indicator of the effectiveness of our filtration system. Treated Surface Water Range and Average are of Daily Maximum	TT = 1NTU TT = 95% of monthly samples ≤0.3 NTU	YES	NA	Continuous/Once in 3 yrs.	0.05 - 0.14 100%	0.07 100%	<0.2-2.6 NA	0.25 NA	NA	Soil Runoff
Dist. System Microbiological										
Total Coliform Bacteria (Total Coliform Rule)	For systems that collect less than 40 samples per month: No more than 1 positive sample For systems that collect 40 or more samples per month: More than 5.0% of monthly samples are positive	YES	NA	Weekly	N/A	0%	NA	NA	(0)	Naturally present in the environment
E. coli (Federal Ground Water Rule)	0	YES	NA	Weekly	N/A	0%	NA	0	(0)	Human and animal fecal waste
Organic Chemicals										
Disinfection By-products TTHMs HAA5 Disinfectant Residual Chlorine Residual Disinfectant By-product Precursors	80µg/L 60µg/L 4.0 (mg/L as Cl <u>.</u>)	YES YES YES	NA NA	Monthly/NA Quarterly/NA Weekly/NA	Stage 2 All Sample Range 1 - 128 ND - 14 System RAA fr 0.04- 1.96	50 7.0	NA NA	NA NA	NA NA	By-product of drinking water disinfection By-product of drinking water disinfection Drinking water disinfectant added for treatment
Control of DBP Precursor (Total Organic Carbon, (TOC) - see explanation on the next page Total Organic Carbon	TT= ratio of actual TOC removal to required TOC removal shall be ≥ 1 Reported as mg/L	YES	1 0.3	Monthly/NA	2.4- 3.1 0.6- 1.4	2.7 1.1	NA	NA	NA	Various natural and manmade sources
Inorganic Chemicals Arsenic Barium Fluoride Nitrate (as N0.) Ctromium Hexavalent Chromium	10µg/L 1000µg/L 2mg/L 45mg/L 50µg/L 10µg/L	YES YES YES YES YES YES YES YES	2 100 0.1 2 10	Yearly/Once in 3yrs. Yearly/Once in 3yrs. Quarterly/Quarterly Quarterly/Quarterly Yearly/Once in 3yrs. Quarterly/Quarterly	NA NA 0.13 - 0.20 ND - 2.7 NA NA	ND ND 0.17 ND ND ND	ND - 2 ND - 120 ND - 0.53 ND - 28.4 ND - 10 ND - 7.9	ND ND 0.18 6.7 ND 3.9	0.004 2000 1 45 (100) 0.02	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits Erosion of natural deposits waster additive that promotes strong learth; discharge from fertilizer and aluminum factories Bunoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits Steel and pulp mill discharges, chrome plating, natural erosion Steel and pulp mill discharges, chrome plating, natural erosion
Radioactivity Gross Alpha Activity** Uranium***	15 pCi/L 20 pCi/L	YES YES	3 1	**See comment below NA/Quarterly	NA NA	ND ND	ND - 6.1 1.9 - 9.5	ND 5.7	(0) 0.43	Erosion of natural deposits Erosion of natural deposits
Tap Monitoring Lead & Copper Lead Copper	Action Level 15µg/L 1.3mg/L	YES YES	5 0.05	No. of samples in 2012 50 50	90th Percentile ND 0.370		exceeded AL 1 None	NA NA	0.2 0.3	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Secondary Standards Inorganic Chemicals Color Odor-Threshold Chloride Iron Sulfate Total Dissolved Solids Specific Conductance	15 units 3 units 500 mg/L 300ug/L 500mg/L 1000mg/L 1600 mmhos/cm	YES YES YES YES YES YES YES YES YES	NA 1 NA 100 0.5 NA NA	Weekly/Once in 3yrs. Weekly/Once in 3yrs. Quarterly/Quarterly Monthly/Once in 3yrs. Quarterly/Quarterly Yearly/Once in 3yrs. Yearly/Once in 3yrs.	NA NA 70 - 121 ND 43 - 68 NA NA	<5 1 103 ND 56.0 370 680	ND - 3 ND - 2 5.7 - 110 ND - 220 17 - 175 150 - 490 240 - 810	0.3 ND 24.4 ND 41.3 251 414	NA NA NA NA NA NA	Naturally occurring organic materials Naturally occurring organic materials Naturally occurring organic materials Runoff/leaching from natural deposits; seawater influence Leaching from natural deposits; industrial wastes Runoff/leaching of natural deposits, industrial wastes Runoff/leaching of natural deposits Substances that form ions when in water; seawater influence
Additional Constituents Analyzed	NA (Ileite)	NA.	NA	Continuous/Ones in C	70.74	7.0	70.00	0.0	NA	Leashing from anticel describe
pH Hardness Alkalinity Sodium Calcium Potassium Magnesium	NA (Inits) NA(mg/L) NA(mg/L) NA(mg/L) NA(mg/L) NA(mg/L) NA(mg/L) NA(mg/L)	NA NA NA NA NA NA	NA NA NA NA NA NA	Continuous/Once in 3yrs. Weekly/Once in 3yrs. Weekly/Once in 3yrs. Yearly/Once in 3yrs.	7.0 - 7.4 74 - 140 55 - 87 NA NA NA NA	7.2 123 75 81 30 2.9 12	7.8 - 8.3 27 - 300 79 - 220 17 - 69 9.4 - 78 ND - 2.7 0.9 - 24	8.0 124 116 38 38 1.4 7.1	NA NA NA NA NA NA	Leaching from natural deposits Sum of polyelent cations present in the water, generally magnesium and calcium. The cations are usually naturally-occurring Dissolved as water passes through limestone deposits Generally naturally-occurring ast present in water Dissolved as water passes through limestone deposits Leaching from natural deposits Dissolved as water passes through magnesium-bearing minerals
Special Testing NA	Culfate 9 Nikrata uskish are samulari guartari									

^{*} Wells are sampled once/3yrs except for Fluoride, Chloride, Sulfate, & Nitrate which are sampled quarterly.

Unregulated contaminant monitoring helps USEPA and the California Department of Public Health to determine where certain contaminants occur and whether the contaminants need to be regulated.

^{**} Sampled between 2010 and 2014. Individual sites are sampled once/6yrs or once/9yrs. Range is from individual sample results.

^{***} Sample collected only when quarterly average of Gross Alpha exceeds 5pCi/L.

Total Trihalomethanes (TTHMS):

Total Trihalomethanes (TTHMs) are the total of four trihalomethanes of concern in drinking water: chloroform, bromoform, bromodichloromethane, and chlorodibromomethane. In the Primary Standards Disinfection Byproducts section of the Water Quality Chart under Highest LRAA from Distribution System, the highest Locational Running Annual Average (LRAA) for 2014 is $50 \mu g/L$, which is less than and complies with the Federal TTHM MCL of $80 \mu g/L$. The range of monthly sample results from all $8 \mu g/L$ sampling points or specific locations within the customer service area have exceeded $80 \mu g/L$. These samples were taken from dedicated sample points within the distribution system and are representative of maximum residence time in the system.

• Health effects of Total Trihalomethanes (TTHMs): Some people who drink 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.

Total Organic Carbon (TOC):

Total Organic Carbon (TOC) has no health effects. However, TOC provides a medium for the formation of disinfection byproducts. TOC result is based on quarterly RAA of percent removal ratio. Paired samples (one from source and the other from treated water) are collected monthly. The percent removal between source water and treated water is divided by the required monthly TOC percent removal based on certain criteria that all public water systems must follow. The quarterly RAA of these monthly results should be 1.0 or higher. Our quarterly RAA in 2014 ranged from 2.43 to 3.14 and averaged 2.72. Individual TOC sample results for treated water ranged from 0.6 to 1.4 mg/L and averaged 1.1 mg/L.

Arsenic:

In the Primary Standards Inorganic Chemicals section of the chart for Arsenic, the treated surface water sample was None Detected (ND). For groundwater samples (23 total), the range is None Detected (ND) to 2.0 μ g/L. The average for all groundwater sources based on 2014 analysis is less than the DLR of 2 μ g/L, MCL = 10 μ g/L.

• Health effects of Arsenic: While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The USEPA 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.

Barium:

In the Primary Standards Inorganic Chemicals section of the chart for Barium, treated surface water sample is None Detected (ND). In the groundwater column, the range of barium is ND to 120 µg/L and the average is ND, which is well under the MCL of 1000 µg/L. Out of 23 wells tested, one well (Well 18) exceeded the DLR for barium.

• Health effects of Barium: Some people who drink water containing barium in excess of the MCL over many years may experience an increase in blood pressure.

Fluoride:

Fluoride in the treated surface water ranged from 0.13 to 0.20 mg/L and averaged 0.17 mg/L. The groundwater samples ranged from ND to 0.53 mg/L and averaged 0.18 mg/L. The fluoride MCL is 2 mg/L and the DLR is 0.1 mg/L.

• Health effects of 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 state MCL of 2 mg/L may get mottled teeth.

Nitrate:

In the Primary Standards Inorganic Chemicals section of the chart for Nitrate as (NO3), treated surface water sample range is ND to 2.7 mg/L and the average is ND. In the groundwater column, the range of Nitrate is ND to 28.4 mg/L, and the average is 6.7 mg/L. The State Water Resources Control Board requires annual sampling if all results are less than 50% of the MCL. If the result from any one source is greater than 50% of the MCL, then sampling must be done quarterly at that source. The District samples all its wells on a quarterly basis (4 times a year) even when they test below 50% of the MCL. The numbers expressed on the chart are derived from quarterly sampling of all District wells, except those that are out of service.

• Health effects of 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 a 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. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity.

Gross Alpha Particle Activity:

Well 18 was the only source sampled in 2014 for Gross Alpha with the result being None Detected (ND). In the groundwater column of the chart, the results are from analysis conducted between 2006 and 2014. The range of Gross Alpha is ND to 6.1 µg/L and the average is ND. The remaining water sources will be monitored in the future during this compliance cycle.

• Health effects of Gross Alpha Particle Activity: Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer.

Uranium:

Samples for Uranium are collected only when the quarterly average of Gross Alpha particle activity exceeds 5 pCi/L. Since the result of Well 18 monitoring was below this level, there were no samples collected for Uranium in 2014. In the groundwater column of the chart, the results are from analysis conducted between 2006 and 2014. The range of Uranium is 1.9 to 9.5 µg/L and the average is 5.7 µg/L.

• Health effects of Uranium: Some people who drink water containing uranium in excess of the MCL over many years may have kidney problems or an increased risk of getting cancer.

Lead and Copper:

The tap samples for Lead and Copper were taken in the year 2012 (50 samples). The 90th percentile results of <5 ppb for lead and 0.370 ppm for copper are well within the AL of 15 ppb lead and the AL of 1.3 ppm for copper. The District is scheduled to draw new sample sets this year.

- 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. Palmdale Water District 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 drinking 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 http://www.epa.gov/safewater/lead.
- Health effects of 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 and/or flush your tap for 30 seconds to 2 minutes before using tap water.
- Health effects of Copper: Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time may experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years may suffer liver or kidney damage. People with Wilson's disease should consult their personal doctor.

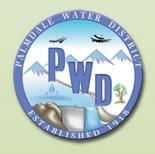
Our New Way of Life

The record California Drought is now in its fourth straight year. Governor Brown has just signed a mandatory 25% reduction in water usage for cities and towns. Our agricultural industry is relying on groundwater as a primary source of water for irrigation and many communities are too. Snowpack is at an all-time low of 6% and the state has recorded the highest monthly temperatures for February and March since record keeping began.

We are asked to do more with less but does the drought's severity actually influence our personal behaviors? Every time we turn on our faucet, the water is there, so how do we get people to see the big picture? For those of us who live in Palmdale, we already know how to live with less and do more. It is our way of life.

The Antelope Valley has a great story to tell the rest of the State. We know how to live in a constant drought. But we also know what "community" means. Each one of us has been doing a good job of making small adjustments to our daily habits. Turning off the water when brushing our teeth, or taking shorter showers to name a couple. But we also have perseverance. The will to see things through no matter how difficult.

The Palmdale Water District recognizes the sacrifices our community members make every day and we, as employees and residents, are making those sacrifices too. Thanks for everything all of you do every day to make our community better. Less is More . . . Save for OUR Future!





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Palmdale Water District

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Educational Information and Possible Drinking Water Contaminants:

Drinking water, including bottled water, may reasonably be expected Contaminants that may be present in source water include: 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 (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 infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791). PWD tested for cryptosporidium monthly in 2007 and results were "none detected."

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.

- ♦ 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, that 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, 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 that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, 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, the USEPA and the State Water Resources Control Board (State Board) make regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.