

2015 Consumer Confidence Report

Water System Name: Roselawn High School	Report Date: 03/15/16
--	------------------------------

We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2015 and may include earlier monitoring data.

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

Type of water source(s) in use:	Groundwater Well
Name & general location of source(s):	Well at 312 So. Roselawn Ave. Turlock, CA

Drinking Water Source Assessment information:	Completed in May of 2002 - see last page.
---	---

Time and place of regularly scheduled board meetings for public participation:	1 st & 3 rd Tuesday of each month at Turlock High School
--	--

-For more information, contact:	Scott Richardson	Phone:	(209) 667-0578
---------------------------------	------------------	--------	----------------

TERMS USED IN THIS REPORT

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

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

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

Maximum Residual Disinfectant Level (MRDL): The 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.

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

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

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

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

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

ND: not detectable at testing limit

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

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

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

ppq: parts per quadrillion or picogram per liter (pg/L)

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

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

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 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*, that 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 and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- *Radioactive contaminants*, that 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) prescribe 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 provide the same protection for public health.

Tables 1, 2, 3, 4, 5, and 6 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

TABLE 1 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA

Microbiological Contaminants	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria	(In a mo.) 0	0	More than 1 sample in a month with a detection	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i>	(In the year) 0	0	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or <i>E. coli</i>	0	Human and animal fecal waste

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

Lead and Copper (and reporting units)	Sample Date	No. of Samples Collected	90 th Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppb)	09/30/14	10	30*	3	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	09/30/14	10	0.4	0	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

TABLE 3 – SAMPLING RESULTS FOR SODIUM AND HARDNESS

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	02/24/11	60	60	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	02/24/11	380	380	None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

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

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

Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Nitrate as Nitrogen (ppm) (Well - Before Filter)	2015	38*	35 - 41	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate as Nitrogen (ppm) (Treated - After Filter)	2015	1	0.6 - 3	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Barium (ppm)	02/26/14	0.2	0.2	1	2	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Fluoride (ppm)	02/26/14	0.3	0.3	2	1	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

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

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Total Dissolved Solids (ppm)	02/24/11	663	663	1000	N/A	Runoff/leaching from natural deposits
Specific Conductance (umho/cm)	02/24/11	931	931	1600	N/A	Substances that form ions when in water; seawater influence
Chloride (ppm)	02/24/11	20	20	500	N/A	Runoff/leaching from natural deposits; seawater influence
Sulfate (ppm)	02/24/11	100	100	500	N/A	Runoff/leaching from natural deposits' industrial wastes
Zinc (ppm)	02/24/11	0.07	0.07	5	N/A	Runoff/leaching from natural deposits; industrial wastes

TABLE 6 - DETECTION OF ADDITIONAL CONTAMINANTS

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	MCL (MRDL)	Health Effects Language
Distribution System Chlorine Residual (ppm)	2015	0.2 - 1.8	(4)	Some people who use water containing chlorine well in excess of the 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.
Distribution System Haloacetic Acids (ppb)	07/13/15	1	60	Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer. .
Distribution System Total Trihalomethanes (ppb)	07/13/15	18	80	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. .

*Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided on the next page.

Additional General Information On Drinking Water

All 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

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

Summary Information for Contaminants Exceeding an MCL or AL, or a Violation of any Treatment or Monitoring and Reporting Requirements

Roselawn High School routinely monitors the lead levels in the drinking water throughout the system. In September of 2014, three of the ten sites chosen showed lead levels over the maximum allowable limit. This monitoring is part of an ongoing program to track the lead levels due to leaching in plumbing fixtures throughout the system. Additional testing is required to more accurately identify problem areas so that remedial action can take place if necessary.

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 plumbing. Roselawn High School is responsible for providing high quality drinking water. When the water has been sitting for several hours, you can minimize the potential for lead exposure by flushing the tap for 30 seconds to 2 minutes before using water for drinking or cooking. Infants and young children are typically more vulnerable to lead in drinking water than the general population. Additional information is available from the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Nitrate as Nitrogen in drinking water at levels above 10 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-N levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider. Infants below the age of six months who drink water containing nitrate in excess of the MCL may quickly become seriously ill and, if untreated, may die because high nitrate levels can interfere with the capacity of the infant's blood to carry oxygen. Symptoms include shortness of breath and blueness of the skin. High nitrate levels may also affect the oxygen-carrying ability of the blood of pregnant women.

Because of known high amounts of nitrate detected at the well, a filtration system is maintained, effectively lowering nitrate to within acceptable levels. Drinking water from after the filter is tested each month to monitor and confirm the effectiveness of the filtration system.

Vulnerability Assessment Summary

A source water assessment was conducted for the well of the Roselawn High School water system in May of 2002. The source is considered most vulnerable to the following activities not associated with any detected contaminants; crops, irrigated and wells-water supply. The source is considered most vulnerable to the following activities associated with contaminants detected in the water supply; fertilizer, pesticide/herbicide application and septic systems-low density. Water from the well exceeds the maximum contaminant levels (MCL) established by State drinking water regulations, for nitrate. The presence of nitrates is typically associated with the presence of septic systems and use of fertilizers. The water well is treated to lower nitrates below the MCL. For more information regarding the assessment summary, contact: Scott Richardson at Roselawn High School.

ATTACHMENT 7

Consumer Confidence Report Certification Form

(to be submitted with a copy of the CCR)

(to certify electronic delivery of the CCR, use the certification form on the State Board's website at http://www.waterboards.ca.gov/drinking_water/certific/drinkingwater/CCR.shtml)

Water System Name: Roselawn High School

Water System Number: CA 5000 116

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 3/17/16 (date) to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water.

Certified by: Name: Scott Richardson
Signature: [Signature]
Title: Director of M&O
Phone Number: (209) 667-0578 Date: 3/17/16

To summarize report delivery used and good-faith efforts taken, please complete the below by checking all items that apply and fill-in where appropriate:

CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used: _____

"Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:

- Posting the CCR on the Internet at www.turlockusd-ca.schoolloop.com/
- Mailing the CCR to postal patrons within the service area (attach zip codes used)
- Advertising the availability of the CCR in news media (attach copy of press release)
- Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)
- Posted the CCR in public places (attach a list of locations)
- Delivery of multiple copies of CCR to single-billed addresses serving several persons, such as apartments, businesses, and schools
- Delivery to community organizations (attach a list of organizations)
- Other (attach a list of other methods used)

For systems serving at least 100,000 persons: Posted CCR on a publicly-accessible internet site at the following address: www._____

For privately-owned utilities: Delivered the CCR to the California Public Utilities Commission

This form is provided as a convenience and may be used to meet the certification requirement of section 64483(c), California Code of Regulations.



INTEROFFICE MEMORANDUM

Scott Richardson
Director
Maintenance and Operations

Turlock Unified School District

Learning Today.....Leading Tomorrow

P.O. Box 819013 Turlock, CA 95381-9013 Ph. (209) 667-0578 Fax (209) 667-6319

March 17, 2016

RE: 2015 Consumer Confidence Report (CCR) Posting Locations (3):

District Office Bulletin Board
1574 E. Canal Drive
Turlock, CA 95380

Roselawn High School Office Bulletin Board
312 S. Roselawn Avenue
Turlock, CA 95380

<https://turlockusd-ca.schoolloop.com/rhsreport>