



Lake County School District No. 7

SUMMARY OF LAKE COUNTY SCHOOL DISTRICT LEAD IN THE WATER TESTING PLAN

UNION SCHOOL WELL

Governing Agencies: Environmental Protection Agency *Safe Drinking Water Act*, and the Oregon Dept. of Human Services, Oregon Health Division, Drinking Water Program, ORS 448, *Water Systems* and OAR Chapter 333, Division 061, *Public Water Systems*

Highlights

- The Monitoring Program and Operations and Maintenance Plan governs the operation of the water system located at the Union School. The water source at Union School is a ground water well system and the drinking water at the school must be tested on a periodic basis for microbiological contaminants, chemicals and lead.
- The ground water well is classified as an untreated (no chlorine), non-transient, non-community water system
- Microbiological Contaminates: Tests for coliforms and protozoans must be conducted on a calendar quarterly basis. The tests indicate whether or not microbiological contaminants are present such as fecal matter and *E.coli*.
- Inorganic Chemicals: Inorganic chemicals such as arsenic, barium, chromium, fluoride, mercury, nickel, selenium, lead and copper (basically heavy metals) and many other inorganic chemicals are tested on a 3-year cycle. Lead and copper tests are conducted between June 1 and September 30 and all other inorganic chemical tests are taken in the Fall (usually in October).
- Sodium: The district also monitors the amount of sodium in the drinking water on a 3-year cycle. There is no known maximum contaminate level (MCL) for sodium. However, for the benefit of students and staff who must watch their sodium consumption, the district posts an advisory notice if the MCL is 20 part per million (ppm) or higher.
- Organic Chemicals: Organic chemicals are classified as either synthetic organic chemicals or volatile organic chemicals.

A. Synthetic organic chemicals (SOCs) are, for example, pesticides containing 2,4-D, alachlor, aldicarb, chlorodane and other chemicals, including polychlorinated biphenyls (PCBs). Organic SOC chemicals are tested on a 3-year cycle and tests are taken in the Fall (usually in October).

B. Volatile organic chemicals (VOCs) are, for example, pesticides containing dalpon, diquat, endrin, 1,2,4-T and other chemicals and petroleum-based chemicals such as styrene, toluene and xylenes. Organic VOC chemicals are tested on a 3-year cycle and tests are taken in the Fall (usually in October).

- Nitrate and Nitrites: Tests for nitrate and total Nitrite are tested on an annual basis

and nitrites are tested along with inorganic chemicals on a 3-year cycle. A high concentration of nitrates in drinking water can cause a condition known as “blue baby.”

- Source Water: Source water, i.e., water directly from the well, is tested on an annual Basis for coliform and protozoan contamination.
- Secondary Contaminates: The district also tests for secondary contaminants on a voluntary basis for color, PH, odor, aluminum, chloride, iron, silver and zinc on a 3 year cycle along with organic and inorganic tests. Tests for secondary contaminants must be performed prior to treatment of the water if there is ever a reason to disinfect the water.
- Disinfectant Residuals and Disinfectant Byproducts: The district does not test for chemicals such as chlorine since the well water is untreated. Nor is the well water tested for other residuals and byproducts. Such tests are required only after the well has been treated with a disinfectant.
- Emergency Response Plan: The district has a Public Water System Emergency Response Plan in place in the event contamination of the well water is discovered. If that is the case the well will be shut down, decontaminated and tested until such time the water is deemed safe to drink. Bottled water will be provided for all uses. In addition, the school may be closed and students will attend school in town for sanitation purposes (restroom use, hand washing, food service, etc.).
- Training and Certification: District personnel who take water samples must be properly trained and certified by the State of Oregon every three (3) years.
- Reports and Recordkeeping Requirements: All water sample results are reported to the State of Oregon and records must be retained at the local level for a period of three (3) to 10 years, depending on the type of reports and analysis.
- Test results are also available online on the Drinking Water Program web site. The public water system identification number is 4193736.

Lake County School District #7 Facilities on the Public Water System

All other facilities/schools receive their water from the Lakeview City Water system. Klamath Falls conducts water testing on the city water system. Test results are provided to LCSD and this information is then shared on the LCSD website. If the city makes recommendations based on the results of samples, LCSD reviews and when appropriate, adopts and implement the recommendations.

In 2015-16, all facilities and schools were tested for lead in the water. All samples had lead in them which is naturally occurring. But all samples were under EPA action level of 20 PPB which EPA has recently implemented as action level for schools and daycare facilities. The test results showed all samples less than 15 PPB. However, there were some plumbing fixtures that were identified at the 20 PPB and have been removed from service waiting for new installations of faucets, drinking fountains, or removal and installation of piping.

Stakeholders, community members and the public can view the Klamath County School District Lead in The Water Testing Plan at the following location: <http://www.lakeview.k12.or.us/index.php>

COMMUNICATION OF TEST RESULTS

Test results and an explanation of the water sample test results will be provided to all stakeholders through the following methods:

1. The Lake County School District #7 website at:
<http://www.lakeview.k12.or.us/index.php>
2. Hardcopies for specific sites are available at those individual locations. All site results are also available at the Lake County School #7 District Office.
3. Results and explanations will be emailed to all current stakeholders email addresses provide and/or that are on file.