



Ron Chapman, MD, MPH
Director & State Health Officer

State of California—Health and Human Services Agency
California Department of Public Health

DRINKING WATER FIELD OPERATIONS BRANCH
50 D STREET, SUITE 200, SANTA ROSA, CA 95404
PHONE: (707) 576-2145 / FAX: (707) 576-2722
INTERNET ADDRESS: www.cdph.ca.gov



EDMUND G. BROWN JR.
Governor

October 11, 2013

Water System No. 4900702

Carla Peterson
Pacific Christian Academy
P.O. Box 369
Graton, CA 95444

CITATION NO. 02-18-13C-054

ALUMINUM, ANTIMONY, ARSENIC, BARIUM, BERYLLIUM, CADMIUM, CHROMIUM, FLUORIDE, MERCURY, NICKEL, PERCHLORATE, SELENIUM, THALLIUM, NITRATE, NITRITE, ATRAZINE, CARBOFURAN, DALAPON, DINOSEB, DIQUAT, ENDOTHALL, OXAMYL, PENTACHLOROPHENOL, PICLORAM, AND SIMAZINE MONITORING AND REPORTING VIOLATION FOR 2012

Enclosed is a Citation issued to the Pacific Christian Academy (System) public water system.

Your System will be billed at the Department's hourly rate (currently estimated at \$126.00) for the time spent on issuing this Citation since this is an enforcement action for noncompliance with State regulations. At this time, we have spent approximately one hour on enforcement activities associated with this violation. You will receive a bill sent from our Fee Billing Unit in Sacramento on approximately August 1, 2014. This bill will contain fees for any enforcement time spent on your System.

If you have any questions regarding this matter, please contact Waldon Wong of my staff at (707) 576-2764 or me at (707) 576-2006.

Sincerely,

Janice M. Thomas, P.E.
Sonoma District Engineer
Drinking Water Field Operations Branch

Enclosures

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STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

Name of Public Water System: Pacific Christian Academy

Water System No: 4900702

To: Carla Peterson
P.O. Box 369
Graton, CA 95444

Issued: October 11, 2013

CITATION FOR NONCOMPLIANCE

With Inorganics, Nitrates, and SOC Monitoring and Reporting

Section 116650 of the California Health and Safety Code (CHSC), authorizes the issuance of a citation for failure to comply with a requirement of California Safe Drinking Water Act (CHSC, Division 104, Part 12, Chapter 4, commencing with Section 116270), or any regulation, standard, permit or order issued thereunder.

The Division of Drinking Water and Environmental Management of the State of California Department of Public Health (Department) hereby issues a citation to Pacific Christian Academy (System) for failure to comply with Title

1 22, California Code of Regulations (CCR) Section 64432, 64432.1, 64445.1,
2 and 64469.

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4 **APPLICABLE AUTHORITIES**

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7 Section 116650 of the CHSC states in relevant part:

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9 (a) If the department determines that a public water system is in violation of this
10 chapter or any regulation, permit, standard, citation, or order issued or adopted
11 thereunder, the department may issue a citation to the public water system.
12 The citation shall be served upon the public water system personally or by
13 certified mail. Service shall be deemed effective as of the date of personal
14 service or the date of receipt of the certified mail. If a person to whom a citation
15 is directed refuses to accept delivery of the certified mail, the date of service
16 shall be deemed to be the date of mailing.

17
18 (b) Each citation shall be in writing and shall describe the nature of the violation or
19 violations, including a reference to the statutory provision, standard, order,
20 citation, permit, or regulation alleged to have been violated.

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22 (c) A citation may specify a date for elimination or correction of the condition
23 constituting the violation.

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25 (d) A citation may include the assessment of a penalty as specified in subdivision
26 (e).



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(e) The department may assess a penalty in an amount not to exceed one thousand dollars (\$1,000) per day for each day that a violation occurred, and for each day that a violation continues to occur. A separate penalty may be assessed for each violation.

California Code of Regulations, Section 64432 states in relevant part:

(c) Unless more frequent monitoring is required pursuant to this Chapter, the frequency of monitoring for the inorganic chemicals listed in Table 64431-A, except for asbestos, nitrate/nitrite, and perchlorate, shall be as follows:
(1) Each compliance period, all community and nontransient-noncommunity systems using groundwater shall monitor once during the year designated by the Department.

California Code of Regulations, Section 64432.1 states in relevant part:

(a) To determine compliance with the MCL for nitrate in Table 64431-A, all public water systems using groundwater and transient-noncommunity systems using approved surface water shall monitor annually.
(b) All public water systems shall monitor to determine compliance with the MCL for nitrite in Table 64431-A, by taking one sample at each sampling site during the compliance period beginning January 1, 1993.
(3) The repeat monitoring frequency for systems with an analytical result for nitrite that is less than 50 percent of the MCL shall be one sample during each compliance period (every three years).

1 California Code of Regulations, Section 64445.1 states in relevant part:

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3 (b) When organic chemicals are not detected pursuant to Table 64445.1-A.

4 (1) A water system which has not detected any of the VOCs on Table 64444-A
5 during the initial four quarters of monitoring, shall collect and analyze one
6 sample annually. After a minimum of three years of annual sampling with no
7 detection of a VOC in Table 64444-A, a system using groundwater may reduce
8 the monitoring frequency to one sample during each compliance period.

9 (3) A system serving 3,300 persons or less which has not detected an SOC on
10 Table 64444-A during the initial four quarters of monitoring shall collect a
11 minimum of one sample for that SOC during the year designated by the
12 Department of each subsequent compliance period. The year will be
13 designated on the basis of historical monitoring frequency and laboratory
14 capacity.

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1 California Code of Regulations, Section 64431-A states in relevant part:

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3 Table 64431-A
4 Maximum Contaminant Levels
5 Inorganic Chemicals

<i>Chemical</i>	<i>Maximum Contaminant Level, mg/L</i>
Aluminum	1.
Antimony	0.006
Arsenic	0.010
Barium	1.
Beryllium	0.004
Cadmium	0.005
Chromium	0.05
Fluoride	2.0
Mercury	0.002
Nickel	0.1
Nitrate (as NO3)	45.
Nitrite (as nitrogen)	1.
Perchlorate	0.006
Selenium	0.05
Thallium	0.002

14
15 California Code of Regulations, Section 64444-A states in relevant part:

16
17 Table 64444-A
18 Maximum Contaminant Levels
19 Organic Chemicals

<i>Chemical</i>	<i>Maximum Contaminant Level, mg/L</i>
(b) Non-Volatile Synthetic Organic Chemicals (SOCs)	
Atrazine	0.001
Carbofuran	0.018
Dalapon	0.2
Dinoseb	0.007
Diquat	0.02
Endothall	0.1
Oxamyl	0.05
Pentachlorophenol	0.001
Picloram	0.5
Simazine.....	0.004



1 California Code of Regulations, Section 64469 states in relevant part:
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3 (a) Analytical results of all sample analyses completed in a calendar month shall be
4 reported to the Department no later than the tenth day of the following month.

5 (c) Analytical results shall be reported to the Department electronically using the
6 Electronic Deliverable Format as defined in The Electronic Deliverable Format
7 [EDF] Version 1.2i Guidelines & Restrictions dated April 2001 and Data
8 Dictionary dated April 2001.
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10 **DETERMINATIONS**

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12 **THE DEPARTMENT HAS DETERMINED:**
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15 The System violated Title 22 of the CCR, Section 64432, 64432.1, 64445.1,
16 and 64469 in that the System failed to collect and report the required
17 number of aluminum, antimony, arsenic, barium, beryllium, cadmium,
18 chromium, fluoride, mercury, nickel, perchlorate, selenium, thallium, nitrate,
19 nitrite, atrazine, carbofuran, dalapon, dinoseb, diquat, endothall, oxamyl,
20 pentachlorophenol, picloram, and simazine samples during 2012.
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DIRECTIVES

Pacific Christian Academy is hereby directed to take the following actions:

1. Comply with Section 64432, 64432.1, 64445.1, and 64469 Title 22, of the CCR in all future monitoring periods.

2. Notify all persons served by the System of the aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, fluoride, mercury, nickel, perchlorate, selenium, thallium, nitrate, nitrite, atrazine, carbofuran, dalapon, dinoseb, diquat, endothall, oxamyl, pentachlorophenol, picloram, and simazine monitoring requirements, in conformance with Section 64463.4 and 64465, Title 22 of the CCR, and as follows:
 - a) Completion of Attachment A to include the name, address, and telephone number of a System representative as a source of additional information concerning the public notice. **You must also give a legible, written description (preferably typed) of the corrective actions taken by the water system to prevent this violation from occurring in the future. You must use the space provided in Attachment A for this written description.**



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- b) Provide the notice by mail or direct delivery, **after it has been completed in accordance with (a) above**, to each customer or service connection served by the System by **November 15, 2013**.

 - c) Publish the notice contained in Attachment A, **after it has been completed in accordance with (a) above**, in a local newspaper of general circulation in the area served by the System (or weekly newspaper if no daily paper is available) for one day. The publication in a local newspaper must be completed by **November 15, 2013**.

 - d) Provide public notice for this violation in accordance with Section 64465(c), Title 22 or the CCR, which requires for each non-English speaking group that exceeds 1,000 residents or 10% of the residents in a community (whichever is less) that the public notice contain information in the appropriate language(s) regarding the importance of the notice, or contain a telephone number or address where such residents may contact the water system to receive a translated copy of the notice or to receive assistance in the appropriate language.
3. The System shall complete the attached Compliance Certification form and return it to the Department within 10 days of the public

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notice being given to system customers but in no case later than **November 27, 2013**. A copy of the notice published in the newspaper, a copy of the notice mailed or delivered, and a copy of the laboratory results must be attached to the form.

The Department reserves the right to make such modifications to this Citation as it may deem necessary to protect public health and safety. Such modifications may be issued as amendments to this Citation and shall be effective upon issuance.

Nothing in this Citation relieves the System of its obligation to meet the requirements of the California Safe Drinking Water Act (CHSC, Division 104, Part 12, Chapter 4, commencing with Section 116270), or any regulation, standard, permit or order issued thereunder.

All submittals required by this Citation shall be submitted to the Department

at the following address: Janice M. Thomas, P.E.
Department of Public Health
Drinking Water Field Operations Branch
50 D Street, Suite 200
Santa Rosa, CA 95404

PARTIES BOUND

This Citation shall apply to and be binding upon the System, its officers, directors, agents, employees, contractors, successors, and assignees.

SEVERABILITY

The directives of this Citation are severable, and the System shall comply with each and every provision thereof notwithstanding the effectiveness of any provision.

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FURTHER ENFORCEMENT ACTION

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Division 104, Part 12, Chapter 4, (commencing with Section 116270) of the California Health and Safety Code authorizes the Department to: issue additional citations with assessment of penalties if the System continues to fail to correct a violation identified in a citation; take action to suspend or revoke a permit that has been issued to a public water system if the System has violated applicable law or regulations or has failed to comply with orders of the Department; and petition the superior court to take various enforcement measures against a public water system that has failed to comply with orders of the Department. The Department does not waive any further enforcement action by issuance of this citation.

Janice M. Thomas

October 11, 2013

Janice M. Thomas, P.E.
Sonoma District Engineer
Drinking Water Field Operations Branch

Date

Attachments
Certified Mail No. 7012 2210 0002 1673 6017

4900702/Compliance
02-18-13C-054-4900702-03.docx/WWW



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COMPLIANCE CERTIFICATION

Citation Number: 02-18-13C-054

Name of Water System: Pacific Christian Academy

System Number: 4900702

Certification

I certify that the users of the water supplied by this water system were notified of the aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, fluoride, mercury, nickel, perchlorate, selenium, thallium, nitrate, nitrite, atrazine, carbofuran, dalapon, dinoseb, diquat, endothall, oxamyl, pentachlorophenol, picloram, and simazine monitoring violations of Title 22, California Code of Regulations (CCR) for the compliance period of 2012.

Required Action

Date Completed

Complete Attachment A, as required in Directive 2(a)

Public Notification – Mail or Direct Delivery

Public Notification – Newspaper

Completed Chemical Monitoring Results

Signature of Water System Representative

Date

Attach a copy of the notice mailed or delivered to customers, a copy published in the newspaper, and laboratory results of completed sampling.

**THIS FORM MUST BE COMPLETED AND RETURNED TO THE DEPARTMENT
NO LATER THAN NOVEMBER 27, 2013**

Disclosure: Be advised that Section 116725 and 116730 of the California Health and Safety Code states that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violation for each day that violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by a fine of not more than \$25,000 for each day of violation, or be imprisoned in county jail not to exceed one year, or by both the fine and imprisonment.



IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

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

Pacific Christian Academy Failed to Test for aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, fluoride, mercury, nickel, perchlorate, selenium, thallium, nitrate, nitrite, atrazine, carbofuran, dalapon, dinoseb, diquat, endothall, oxamyl, pentachlorophenol, picloram, and simazine during 2012

We failed to test the drinking water for aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, fluoride, mercury, nickel, perchlorate, selenium, thallium, nitrate, nitrite, atrazine, carbofuran, dalapon, dinoseb, diquat, endothall, oxamyl, pentachlorophenol, picloram, and simazine during 2012. Although this is not an emergency, as our customers, you have a right to know what happened, what you should do, and what we did to correct the situation. Please share this information with other people who drink this water, especially those who may not have received this notice directly. You can do this by posting this notice in a public place or giving out copies by hand or mail.

What happened?

We are required by state regulations to monitor our drinking water for specific contaminants on a regular basis. Results of this routine monitoring are an indicator of whether or not the drinking water meets health standards. During 2012, we did not test for aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, fluoride, mercury, nickel, perchlorate, selenium, thallium, nitrate, nitrite, atrazine, carbofuran, dalapon, dinoseb, diquat, endothall, oxamyl, pentachlorophenol, picloram, and simazine and, therefore, cannot be sure of the quality of the drinking water at that time.

What does this mean?

Some people who drink water containing aluminum in excess of the MCL over many years may experience short-term gastrointestinal tract effects. Some people who drink water containing antimony in excess of the MCL over many years may experience increases in blood cholesterol and decreases in blood sugar. Some people who drink water containing arsenic in excess of the MCL over many years may experience skin damage or circulatory system problems, and may have an increased risk of getting cancer. Some people who drink water containing barium in excess of the MCL over many years may experience an increase in blood pressure. Some people who drink water containing beryllium in excess of the MCL over many years may develop intestinal lesions. Some people who drink water containing cadmium in excess of the MCL over many years may experience kidney damage. Some people who use water containing chromium in excess of the MCL over many years may experience allergic dermatitis. 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. Some people who drink water containing mercury in excess of the MCL over many years may experience mental disturbances, or impaired physical coordination, speech and hearing. Some people who drink water containing nickel in excess of the MCL over many years may experience liver and heart effects. Perchlorate has been shown to interfere with uptake of iodide by the thyroid gland, and to thereby reduce the production of thyroid hormones, leading to adverse affects associated with inadequate hormone levels. Thyroid hormones are needed for normal prenatal growth and development of the fetus, as well as for normal growth and development in the infant and child. In adults, thyroid hormones are needed for normal metabolism and mental function. Selenium is an essential nutrient. However, some people who drink water containing selenium in excess of the MCL over many years may

experience hair or fingernail losses, numbness in fingers or toes, or circulation system problems. Some people who drink water containing thallium in excess of the MCL over many years may experience hair loss, changes in their blood, or kidney, intestinal, or liver problems. 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. Infants below the age of six months who drink water containing nitrite in excess of the MCL may become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blueness of the skin. Infants below the age of six months who drink water containing nitrite in excess of the MCL may become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blueness of the skin. Some people who use water containing atrazine in excess of the MCL over many years may experience cardiovascular system problems or reproductive difficulties. Some people who use water containing carbofuran in excess of the MCL over many years may experience problems with their blood, or nervous or reproductive system problems. Some people who drink water containing dalapon in excess of the MCL over many years may experience minor kidney changes. Some people who drink water containing dinoseb in excess of the MCL over many years may experience reproductive difficulties. Some people who drink water containing diquat in excess of the MCL over many years may get cataracts. Some people who drink water containing endothall in excess of the MCL over many years may experience stomach or intestinal problems. Some people who drink water containing oxamyl in excess of the MCL over many years may experience slight nervous system effects. Some people who use water containing pentachlorophenol in excess of the MCL over many years may experience liver or kidney problems, and may have an increased risk of getting cancer. Some people who drink water containing picloram in excess of the MCL over many years may experience liver problems. Some people who use water containing simazine in excess of the MCL over many years may experience blood problems.

What should I do?

You do not need to take any corrective actions. This is not an emergency. If you have health concerns, you may wish to consult your doctor. General guidelines on arsenic in drinking water are available from EPA's Safe Drinking Water Hotline at (800) 426-4791.

What corrective actions have been taken to prevent this violation from occurring in the future?

This notification of the public is being done in compliance with Sections 64463.4 and 64465, Title 22 of the CCR as a means of keeping the public informed.

Persons wishing more information should contact: _____
(name)

(address)

(phone number)