

DEPARTMENT OF HEALTH SERVICES

DRINKING WATER FIELD OPERATIONS BRANCH
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March 31, 1998

TO: Public Water Systems

FROM: Department of Health Services
Drinking Water Field Operations Branch
Merced District Field Office

SUBJ: Compliance with New Requirements in
Section 116470, Health and Safety Code
Consumer Confidence Reports

The purpose of this memo is to inform you of the new requirement concerning the preparation and distribution of the Consumer Confidence Reports (CCR).

During the 1997 Legislative session Senate Bill 1307 (Sher and Calderon) was enacted which amended certain provisions of the Health and Safety Code related to the Annual Water Quality Report (AWQR) to bring State law into conformance with the federal Safe Drinking Water Act. Specifically, Section 116470 was amended and subsection (a) added which mandates the preparation of a CCR, defines the information the CCR must contain and describes the method of distribution. You will find the CCR is similar to the AWQR that has been required since 1989. However, there are several differences, which include:

- CCR applies to all public water systems whereas the AWQR applies only to community and nontransient-noncommunity water systems.
- Information required by the CCR, but not the AWQR
- Definitions for "maximum contaminant level", "primary drinking water standard" and "public health goal"
- Public health goal (PHG) for each detected contaminant.
- Health effects statement for each contaminant exceeding an MCL.
- Any variances or exemptions issued to a water utility by the Department of Health Services (Department)

The Department will not require water systems to produce a CCR in 1998 based on 1997 water quality data. However, water systems will be required to prepare and distribute a CCR pursuant to Section 116470 (a) beginning in 1999. The primary reason for deferring

the start date until 1999 is that the U.S. Environmental Protection Agency (EPA) has proposed a federal regulation with additional requirements for CCRs (Federal Register Vol. 63 (30), February 13, 1998, pp 7606-7633) and this regulation will soon be adopted. Subsequent to EPA's promulgation of the federal CCR regulations, the Department will propose a state regulation integrating the new federal requirements with the state statutory requirements. The draft regulation should be available before utilities have to initiate development of the 1999 reports and, thus, will provide guidance on report content and form.

In the interim, all community and nontransient- noncommunity water systems will be required to provide the Annual Water Quality Report to Customers in 1998 based on 1997 water quality data, as we have been requiring since 1989. Please find enclosed a blank AWQR with instructions that may be used. A copy of the AWQR sent to customers must be provided to our office.

If you have any questions regarding this matter, please contact our office at (209) 297-3883.

Sincerely,



Carl L. Carlucci, P.E.
Senior Sanitary Engineer
DRINKING WATER FIELD OPERATIONS BRANCH

CLC/bl

Enclosure

Instructions for Completing the Annual Water Quality Report to Customers

This report must be sent annually to each customer. It is recommended that it be sent between January and April. If a water supplier is sending a news letter to each customer, the Water Quality Report may be sent at the same time.

To complete the Annual Water Quality Report to Customers, fill in the blank next to each chemical constituent with the results from the most recent sample for that constituent. In some cases, these results may be up to several years old, but are still to be used for reporting. A description of the water supply system can also be included in the report along with any information regarding planned changes or recent improvements to the water system.

Once the report is completed, provide a copy to each customer by hand delivery or mail to each residence or commercial connection (for community water systems), or by hand delivery to each employee or posting (for nontransient noncommunity water systems). A copy of each annual report shall be submitted to the Department noting the date it was sent to each customer/employee.

1997 WATER QUALITY REPORT TO CUSTOMERS

Date Prepared: _____

System Name: _____

The California Department of Health Services has required that each water system submit a report to each customer every year summarizing the quality of the water served by the Water System during the previous year. This report complies with that requirement.

PRIMARY DRINKING WATER STANDARDS			
PARAMETER	UNITS	MAXIMUM CONTAMINANT LEVEL	WATER SYSTEM CONCENTRATION*
Volatile Organic Chemicals			
Benzene	mg/l	0.001	
Carbon Tetrachloride	mg/l	0.0005	
1,2-Dichlorobenzene	mg/l	0.6	
1,4-Dichlorobenzene	mg/l	0.005	
1,1-Dichloroethane	mg/l	0.005	
1,2-Dichloroethane	mg/l	0.0005	
1,1-Dichloroethylene	mg/l	0.006	
cis-1,2-Dichloroethylene	mg/l	0.006	
trans-1,2-Dichloroethylene	mg/l	0.01	
Dichloromethane	mg/l	0.005	
1,2-Dichloropropane	mg/l	0.005	
1,3-Dichloropropene	mg/l	0.0005	
Ethylbenzene	mg/l	0.7	
Monochlorobenzene	mg/l	0.07	
Styrene	mg/l	0.1	
1,1,2,2-Tetrachloroethane	mg/l	0.001	
Tetrachloroethylene (PCE)	mg/l	0.005	
Toluene	mg/l	0.15	
1,2,4-Trichlorobenzene	mg/l	0.07	
1,1,1-Trichloroethane	mg/l	0.200	
1,1,2-Trichloroethane	mg/l	0.005	
Trichloroethylene (TCE)	mg/l	0.005	
Trichlorofluoromethane	mg/l	0.15	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	mg/l	1.2	
Vinyl Chloride	mg/l	0.0005	
Xylenes	mg/l	1.750	
Synthetic Organic Chemicals			
Alachlor	mg/l	0.002	
Atrazine	mg/l	0.003	
Bentazon	mg/l	0.018	
Benzo(a)pyrene	mg/l	0.0002	
Carbofuran	mg/l	0.018	
Chlordane	mg/l	0.0001	
2,4-D	mg/l	0.07	
Dalapon	mg/l	0.2	
1,2-Dibromo-3-chloropropane (DBCP)	mg/l	0.0002	
Di(2-ethylhexyl)adipate	mg/l	0.4	
Di(2-ethylhexyl)phthlate	mg/l	0.004	
Dinoseb	mg/l	0.007	

PRIMARY DRINKING WATER STANDARDS (Synthetic Organic Chemicals Cont'd)			
PARAMETER	UNITS	MAXIMUM CONTAMINANT LEVEL	WATER SYSTEM CONCENTRATION*
Diquat	mg/l	0.02	
Endothall	mg/l	0.1	
Endrin	mg/l	0.002	
Ethylene Dibromide (EDB)	mg/l	0.00005	
Glyphosate	mg/l	0.7	
Heptachlor	mg/l	0.00001	
Heptachlor Epoxide	mg/l	0.00001	
Hexachlorobenzene	mg/l	0.001	
Hexachlorocyclopentadiene	mg/l	0.05	
Lindane	mg/l	0.0002	
Methoxychlor	mg/l	0.04	
Molinate	mg/l	0.02	
Oxamyl	mg/l	0.2	
Pentachlorophenol	mg/l	0.001	
Picloram	mg/l	0.5	
Polychlorinated Biphenyls	mg/l	0.0005	
Simazine	mg/l	0.004	
Thiobencarb	mg/l	0.07	
Toxaphene	mg/l	0.003	
2,3,7,8-TCDD (Dioxin)	mg/l	3x10 ⁻⁸	
2,4,5-TP (Silvex)	mg/l	0.05	
Inorganic Chemicals			
Aluminum	mg/l	1.	
Antimony	mg/l	0.006	
Arsenic	mg/l	0.05	
Asbestos	MFL>10um	7	
Barium	mg/l	1	
Beryllium	mg/l	0.004	
Cadmium	mg/l	0.005	
Chromium	mg/l	0.05	
Cyanide	mg/l	0.2	
Fluoride	mg/l	1.4-2.4**	
Mercury	mg/l	0.002	
Nickel	mg/l	0.1	
Nitrate (as NO ₃)	mg/l	45.	
Nitrite (as N)	mg/l	1.	
Selenium	mg/l	0.05	
Thallium	mg/l	0.002	
Radioactivity			
Gross Alpha	pCi/l	15	
Uranium	pCi/l	20	
Radium 226 & 228 Combined	pCi/l	5	
Microbiological			
Coliform Bacteria	Sampling frequency: _____	Not to exceed 1 positive sample per month	No. of Months in Violation: _____

SECONDARY DRINKING WATER STANDARDS			
PARAMETER	UNITS	MAXIMUM CONTAMINANT LEVEL	WATER SYSTEM CONCENTRATION*
Aluminum	mg/l	0.2	
Chloride	mg/l	500	
Color	Units	15	
Copper	mg/l	1.0	
Corrosivity		non-corrosive	
Foaming Agents (MBAS)	mg/l	0.5	
Iron	mg/l	0.3	
Manganese	mg/l	0.05	
Odor	Units	3	
pH	Units	6.8-8.5***	
Silver	mg/l	0.1	
Sulfate	mg/l	250-500-600***	
Specific Conductance	micromhos	900-1,600-2,200***	
Total Dissolved Solids	mg/l	500-1,000-1,500***	
Turbidity	Units	5	
Zinc	mg/l	5.0	

ADDITIONAL CONSTITUENTS ANALYZED			
Bicarbonate Alkalinity	mg/l	No Standard	
Carbonate Alkalinity	mg/l	"	
Hydroxide Alkalinity	mg/l	"	
Calcium	mg/l	"	
Magnesium	mg/l	"	
Sodium	mg/l	"	
Total Hardness (as CaCO ₃)	mg/l	"	

mg/l = milligrams per liter (or parts per million)

pCi/l = pico Curies per liter

* Average concentration if there is more than one well serving the water system

** Fluoride standard depends on the average maximum daily air temperature

***Range of acceptable levels: Recommended-Upper-Short Term

Note: Primary standards are mandatory health-related standards. Secondary standards are based on the aesthetic quality of the water. Both types of standards are established by the State of California, Department of Health Services, Division of Drinking Water and Environmental Management

In addition to the above constituents, our water system has conducted monitoring for _____ additional organic chemicals for which the California Department of Health Services has not yet set a standard and all results were below the detection levels unless otherwise noted.

For additional water quality information please contact _____
at _____.