



**CENTRAL COAST WATER AUTHORITY
POLONIO PASS WATER TREATMENT PLANT
2005 CONSUMER CONFIDENCE REPORT DATA**

Please see last page for key to abbreviations.

Parameter	Units	State MCL	PHG (MCLG)	State DLR	Range Average	TREATED CCWA PPWTP	SOURCE STATE WATER	Major Sources in Drinking Water
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PRIMARY STANDARDS--Mandatory Health-Related Standards

CLARITY (a)

Combined Filter Effluent Turbidity	NTU	TT=1 NTU every 4 hours TT=95% of samples <0.3 NTU			Range	0.03 - 0.12	NA	Soil runoff
						100%	NA	

MICROBIOLOGICAL (b)

Total Coliform Bacteria (Distribution System)	--	5.0% of monthly samples	(0)	--	Range	0.0%	NA	Naturally present in the environment
					Average	<1	NA	
					Highest	<1	NA	
Fecal Coliform and E. coli (Distribution System)	--	--	(0)	--	Range	0 Positives	NA	Human and animal fecal waste
					Average	0 Positives	NA	
					Highest	0 Positives	NA	

ORGANIC CHEMICALS

Total Trihalomethanes (Distribution System) (c)	ppb	80	NA	0.5	Range	37 - 72	NA	By-product of drinking water chlorination
					Average	53	NA	
Haloacetic Acids (c) (Distribution System)	ppb	60	NA	1.0	Range	8.5 - 24	NA	By-product of drinking water chlorination
					Average	15	NA	
Methyl-tert-butyl-ether (MTBE) (d)	ppb	13	13	3	Range	ND	ND	Leaking underground gasoline storage tanks and pipelines
					Average	ND	ND	

INORGANIC CHEMICALS

Aluminum (d)	ppm	1	0.6	0.05	Range	0.05 - 0.26	0.17	Residue from water treatment process; Erosion of natural deposits
					Average	.11	0.17	
Asbestos 4/1/98 (e)	MFL	7	(7)	0.2	Range	ND	ND	Internal corrosion of asbestos cement pipe; erosion of natural deposits
					Average	ND	ND	
Fluoride	ppm	2	1	0.1	Range	0.10	0.08	Erosion of natural deposits; water additive for tooth health
					Average	0.10	0.08	
Nitrate (as NO ₃)	ppm	45	45	2	Range	1.8 - 7.6	2.30	Runoff & leaching from fertilizer use; sewage; natural erosion
					Average	4.44	2.30	
Nitrate and Nitrite (as N)	ppm	10	10	0.4	Range	0.51	0.53	Runoff & leaching from fertilizer use; sewage; natural erosion
					Average	0.51	0.53	
Total chlorine residual (Distribution System)	ppm	MRDL = 4.0	MRDLG = 4.0	--	Range	2.0 - 3.1	NA	Measurement of the disinfectant used in the production of drinking water
					Average	2.5	NA	

RADIONUCLIDES

Gross Alpha Particle Activity 2003-2004 (f)	pCi/L	15	N/A	1	Range	NC	NC	Erosion of natural deposits
					Average	NC	NC	

SECONDARY STANDARDS--Aesthetic Standards

Chloride	ppm	500	NA	--	Range	21 - 125	26 - 127	Runoff/leaching from natural deposits; seawater influence
					Average	65	68	
Color (ACU)	Units	15	NA	--	Range	ND	25	Naturally occurring organic materials
					Average	ND	25	
Corrosivity	SI	non-corrosive	NA	--	Range	non-corrosive	NA	Balance of hydrogen, carbon, & oxygen in water, affected by temperature & other factors
					Average	corrosive	NA	
Iron	ppb	300	NA	100	Range	ND	230	Leaching from natural deposits; industrial wastes
					Average	ND	230	
Manganese	ppb	50	NA	20	Range	ND	20	Leaching from natural deposits
					Average	ND	20	
Odor Threshold (h)	Units	3	NA	--	Range	1 - 3	2 - 8	Naturally occurring organic materials
					Average	1	5	
Specific Conductance	µmho/cm	1600	NA	--	Range	268-730	230-646	Substances that form ions when in water; seawater influence.
					Average	467	382	
Sulfate	ppm	500	NA	0.5	Range	58	44	Runoff/leaching from natural deposits; industrial wastes
					Average	58	44	
Total Dissolved Solids	ppm	1000	NA	--	Range	131 - 358	113-348	Runoff/leaching from natural deposits; seawater influence
					Average	239	218	
Turbidity (Monthly)	NTU	5	NA	0.05	Range	0.03 - 0.12	0.82 - 22.6	Soil runoff
					Average	.06	5.0	

Parameter	Units	State MCL	PHG (MCLG)	State DLR	Range Average	TREATED	SOURCE	
						CCWA PPWTP	STATE WATER	Major Sources in Drinking Water
Additional Parameters (Unregulated):								
Alkalinity (Total) as CaCO ₃ equivalents	ppm	NA	NA	--	Range Average	42-76 63	40-94 72	Runoff/leaching from natural deposits; seawater influence
Calcium	ppm	NA	NA	--	Range Average	28-74 50	26-76 51	Runoff/leaching from natural deposits; seawater influence
Hardness (Total) as CaCO ₃	ppm	NA	NA	--	Range Average	50-140 98	52-142 98	Leaching from natural deposits
Heterotrophic Plate Count (g)	CFU/mL	TT	NA	--	Range Average	< 1 - 2 1	NA NA	Naturally present in the environment
Magnesium	ppm	NA	NA	--	Range Average	12 12	12 12	Runoff/leaching from natural deposits; seawater influence
pH	pH Units	NA	NA	--	Range Average	6.7-9.0 8.1	7.2-9.2 8.2	Runoff/leaching from natural deposits; seawater influence
Potassium	ppm	NA	NA	--	Range Average	2.9 2.9	3.0 3.0	Runoff/leaching from natural deposits; seawater influence
Sodium	ppm	NA	NA	--	Range Average	53 53	50 50	Runoff/leaching from natural deposits; seawater influence
Total Organic Carbon (i) (TOC)	ppm	TT	NA	--	Range Average	1.4-4.5 2.4	2.4-7.5 4.0	Various natural and manmade sources.

Constituents of Concern:

Boron 8/15/02 (j)	ppb	NA	AL=1,000	100	Range Average	0.098 0.098	ND - 210 142	
Chromium VI	ppb	NA	NA	1	Range Average	ND ND	1.80 1.80	
Perchlorate	ppb	NA	AL=4	4	Range Average	NA NA	ND ND	
Vanadium 8/15/02 (j)	ppb	NA	AL=50	3	Range Average	3.7 3.7	ND - 4.8 1.70	

ABBREVIATIONS AND NOTES

Footnotes:

- (a) Turbidity (NTU) is a measure of the cloudiness of the water and it is a good indicator of the effectiveness of our filtration system. Monthly turbidity values are listed in the Secondary Standards section.
- (b) Total coliform MCLs: No more than 5.0% of the monthly samples may be total coliform positive. Fecal coliform/*E. coli* MCLs: The occurrence of 2 consecutive total coliform positive samples, one of which contains fecal coliform/*E. coli*, constitutes an acute MCL violation. These MCLs were not violated in 2005. Results are based on the distribution system's highest percent positives. Compliance is based on the combined samples from the distribution system and from the filtration plant.
- (c) Compliance based on the running quarterly annual average of distribution system samples.
- (d) Aluminum & MTBE have Secondary MCL's of 200 ppb & 5 ppb respectively.
- (e) Asbestos sampling required every nine years for vulnerable systems.
- (f) Gross alpha particle activity monitoring required every nine years. Next sample due 2013.
- (g) Pour plate technique -- monthly averages.
- (h) CCWA has developed a flavor-profile analysis method that can more accurately detect odor occurrences. For more information, contact CCWA at (805-688-2292).
- (i) TOCs are taken at the treatment plant's combined filter effluent.
- (j) CCWA has completed the UCMR requirements. No further sampling is required until notified by DHS

Abbreviations

- AL = Regulatory Action Level
 ACU = Apparent Color Units
 CCWA = Central Coast Water Authority
 CFU/ml = Colony Forming Units per milliliter
 DHS = Department of Health Services
 DLR = Detection Level for purposes of Reporting
 MCL = Maximum Contaminant Level
 MCLG = Maximum Contaminant Level Goal
 MFL = Million Fibers Per Liter
 MRDL = Maximum Residual Disinfectant Level
 MRDLG = Maximum Residual Disinfectant Goal
 NA = Not Applicable
 NC = Not Collected
 ND = None Detected
 NTU = Nephelometric Turbidity Units
 pCi/L = PicoCuries per liter
 PHG = Public Health Goal
 ppb = parts per billion, or micrograms per liter (µg/L)
 ppm = parts per million, or milligrams per liter (mg/L)
 PPWTP = Polonio Pass Water Treatment Plant
 SI = Saturation Index
 TOC = Total Organic Carbon
 TT = Treatment Technique
 UCMR = Unregulated Contaminant Monitoring Regulation
 µmho/cm = micromhos per centimeter
 (unit of specific conductance of water)