



**CENTRAL COAST WATER AUTHORITY
POLONIO PASS WATER TREATMENT PLANT
2008 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 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	0.04 - 0.12	NA	Soil runoff
				Average	100%	NA		

INORGANIC CHEMICALS

Aluminum (d)	ppb	1000	600	50	Range	ND - 220	51-139	Residue from water treatment process; Erosion of natural deposits
					Average	93	95	
Arsenic	ppb	10	0.004	2.0	Range	ND	2.2	Erosion of natural deposits; runoff from orchards glass and electronic production waste
					Average	ND	2.2	
Nitrate as NO3	ppm	45	45	2.0	Range	2.3	2.3	Runoff/leaching from fertilizer use; Septic tank/ sewage leaching; erosion of natural deposits
					Average	2.3	2.3	
Nitrate + Nitrite as N	ppm	10	10	--	Range	0.53	0.53	Runoff/leaching from fertilizer use; Septic tank/ sewage leaching; erosion of natural deposits
					Average	0.53	0.53	

RADIONUCLIDES

Gross Beta Particle Activity (2004)	pCi/L	50	(0)	4	Range	NC	7.3	Decay of natural and manmade deposits
					Average	NC	7.3	

SECONDARY STANDARDS--Aesthetic Standards

Chloride	ppm	500	NA	--	Range	57 - 138	53 - 135	Runoff/leaching from natural deposits; seawater influence
					Average	106	102	
Color (ACU)	Units	15	NA	--	Range	3	20	Naturally occurring organic materials
					Average	3	20	
Corrosivity	SI	non-corrosive	NA	--	Range	non-corrosive	NA	Balance of hydrogen, carbon, & oxygen in water, affected by temperature & other factors
					Average	non-corrosive	NA	
Iron	ppb	300	NA	100	Range	ND	120	Leaching from natural deposits; industrial wastes
					Average	ND	120	
Manganese	ppb	50	NA	20	Range	ND	11	Leaching from natural deposits
					Average	ND	11	
Odor Threshold	Units	3	NA	1	Range	1 - 3	2 - 20	Naturally occurring organic materials
					Average	1	5	
Specific Conductance	µS/cm	1600	NA	--	Range	489 - 720	446 - 680	Substances that form ions when in water; seawater influence.
					Average	595	553	
Sulfate	ppm	500	NA	0.5	Range	58	42	Runoff/leaching from natural deposits; industrial wastes
					Average	58	42	
Total Dissolved Solids	ppm	1000	NA	--	Range	294 - 432	261 - 410	Runoff/leaching from natural deposits; seawater influence
					Average	357	332	
Turbidity (Monthly)	NTU	5	NA	--	Range	0.04 - 0.17	0.39 - 17	Soil runoff
					Average	.06	3	

Additional Parameters (Unregulated):

Alkalinity (Total) as CaCO ₃ equivalents	ppm	NA	NA	--	Range	64 - 90	64 - 94	Runoff/leaching from natural deposits; seawater influence
					Average	78	83	
Calcium	ppm	NA	NA	--	Range	46 - 76	48 - 76	Runoff/leaching from natural deposits; seawater influence
					Average	58	58	
Hardness (Total) as CaCO ₃	ppm	NA	NA	--	Range	96 - 150	94 - 150	Leaching from natural deposits
					Average	120	120	
Heterotrophic Plate Count (e)	CFU/mL	TT	NA	--	Range	<1 - 2	NA	Naturally present in the environment
					Average	1	NA	
Magnesium	ppm	NA	NA	--	Range	14	15	Runoff/leaching from natural deposits; seawater influence
					Average	14	15	
pH	pH Units	NA	NA	--	Range	7.3 - 9.0	7.3 - 9.4	Runoff/leaching from natural deposits; seawater influence
					Average	8.2	8.4	
Potassium	ppm	NA	NA	--	Range	3.1	3.4	Runoff/leaching from natural deposits; seawater influence
					Average	3.1	3.4	
Sodium	ppm	NA	NA	--	Range	62	59	Runoff/leaching from natural deposits; seawater influence
					Average	62	59	
Total Organic Carbon (f) (TOC)	ppm	TT	NA	0.30	Range	1.3 - 3.5	2.2 - 5.7	Various natural and manmade sources.
					Average	2.3	3.9	

Parameter	Units	State MCL	PHG (MCLG)	State DLR	Range Average	CCWA Distribution	Major Sources in Drinking Water
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Distribution System Water Quality

MICROBIOLOGICAL (b)

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

ORGANIC CHEMICALS

Total Trihalomethanes (Distribution System) (c)	ppb	80	NA	0.5	Range	44 - 75	By-product of drinking water chlorination
					Average	58	
Haloacetic Acids (c) (Distribution System)	ppb	60	NA	1.0 (g)	Range	7 - 18	By-product of drinking water chlorination
					Average	11.6	

DISINFECTION

Total Chlorine Residual (Distribution System)	ppm	MRDL = 4.0	MRDLG = 4.0	--	Range	1.7 - 3.5	Measurement of the disinfectant used in the production of drinking water
					Average	2.3	

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 2008. Results are based on the distribution system's highest percent positives. Compliance is based on the combined samples from the distribution system.

(c) Compliance based on the running quarterly annual average of distribution system samples.

(d) Aluminum has a Secondary MCL of 200 ppb.

(e) Pour plate technique -- monthly averages.

(f) TOCs are taken at the treatment plant's combined filter effluent.

(g) Monochloroacetic Acid (MCAA) has a DLR of 2.0 ug/L while the other four Haloacetic Acids have DLR's of 1.0 ug/L.

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
 NL = Notification Level
 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)

2008 Water Quality Report ND List