



**CENTRAL COAST WATER AUTHORITY
POLONIO PASS WATER TREATMENT PLANT
2009 CONSUMER CONFIDENCE REPORT DATA**

Please see last page for key to abbreviations.

Parameter	Units	State MCL	PHG (MCLG)	State DLR	Range Average	TREATED	SOURCE	Major Sources in Drinking Water
						CCWA PPWTP	STATE WATER	

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 (b)	ppb	1000	600	50	Range	ND - 340	66	Residue from water treatment process; Erosion of natural deposits
					Average	129	66	
Arsenic	ppb	10	0.004	2.0	Range	ND	4.4	Erosion of natural deposits; runoff from orchards glass and electronic production waste
					Average	ND	4.4	
Flouride	ppm	2.0	1		Range	.1	0.1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
					Average	.1	0.1	

RADIONUCLIDES

Gross Alpha Particle	pCi/L	15	(0)	1	Range	NC	3.4
					Average	NC	3.4

DISTRIBUTION SYSTEM MONITORING (c)

Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG = 4.0	--	Range	1.1 - 2.9	NA	Measurement of the disinfectant used in the production of drinking water
					Average	2.0	NA	
Total Coliform Bacteria (c)	--	5.0% of monthly samples	0	--	Range	0 - 2.3%	NA	Naturally present in the environment
					Average	0.2%	NA	
					Highest	2.3%	NA	
Fecal Coliform and E. coli	--	--	0	--	Range	0 Positives	NA	Human and animal fecal waste
					Average	0 Positives	NA	
					Highest	0 Positives	NA	
Total Trihalomethanes (d)	ppb	80	NA	0.5	Range	46.0 - 65.0	NA	By-product of drinking water chlorination
					Average	54.6	NA	
Haloacetic Acids (d)	ppb	60	NA	1.0 (e)	Range	7.3 - 14.0	NA	By-product of drinking water chlorination
					Average	11.0	NA	

SECONDARY STANDARDS--Aesthetic Standards

Chloride	ppm	500	NA	--	Range	31 - 147	30 - 146	Runoff/leaching from natural deposits; seawater influence
					Average	101	97	
Color (ACU)	Units	15	NA	--	Range	ND	20	Naturally occurring organic materials
					Average	ND	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	0.043	Leaching from natural deposits; industrial wastes
					Average	ND	0.043	
Manganese	ppb	50	NA	20	Range	ND	8.3	Leaching from natural deposits
					Average	ND	8.3	
Odor Threshold	Units	3	NA	1	Range	1	1 - 10	Naturally occurring organic materials
					Average	1	3	
Specific Conductance	µS/cm	1600	NA	--	Range	231 - 786	256 - 697	Substances that form ions when in water; seawater influence.
					Average	561	527	
Sulfate	ppm	500	NA	0.5	Range	63	49	Runoff/leaching from natural deposits; industrial wastes
					Average	63	49	
Total Dissolved Solids	ppm	1000	NA	--	Range	131 - 493	144 - 466	Runoff/leaching from natural deposits; seawater influence
					Average	362	337	
Turbidity (Monthly)	NTU	5	NA	--	Range	0.04 - 0.2	0.46 - 8.3	Soil runoff
					Average	0.06	1.5	

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						CCWA PPWTP	STATE WATER	
ADDITIONAL PARAMETERS (Unregulated)								
Alkalinity (Total) as CaCO ₃ equivalents	ppm	NA	NA	--	Range	52 - 94	54 - 100	Runoff/leaching from natural deposits; seawater influence
					Average	75	81	
Calcium	ppm	NA	NA	--	Range	30 - 76	28 - 80	Runoff/leaching from natural deposits; seawater influence
					Average	56	56	
Hardness (Total) as CaCO ₃	ppm	NA	NA	--	Range	60 - 164	60 - 166	Leaching from natural deposits
					Average	117	117	
Heterotrophic Plate Count (f)	CFU/mL	TT	NA	--	Range	0 - 1	NA	Naturally present in the environment
					Average	0.3	NA	
Magnesium	ppm	NA	NA	--	Range	17	17	Runoff/leaching from natural deposits; seawater influence
					Average	17	17	
pH	pH Units	NA	NA	--	Range	7.5 - 9.0	7.3 - 9.6	Runoff/leaching from natural deposits; seawater influence
					Average	8.2	8.5	
Potassium	ppm	NA	NA	--	Range	3.5	3.4	Runoff/leaching from natural deposits; seawater influence
					Average	3.5	3.4	
Sodium	ppm	NA	NA	--	Range	77	71	Runoff/leaching from natural deposits; seawater influence
					Average	77	71	
Total Organic Carbon (g) (TOC)	ppm	TT	NA	0.30	Range	1.2 - 3.4	2.3 - 6.3	Various natural and manmade sources.
					Average	2.2	3.7	

ABBREVIATIONS AND NOTES

Footnotes:

- 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.
- Aluminum has a Secondary MCL of 200 ppb.
- 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 2009. Out of 547 samples collected in 2009, one positive Total Coliform was detected on April 13, 2009. All required follow-up and confirmation samples collected in response of the positive Total Coliform detection were absent for Total Coliform.
- Compliance based on the running quarterly annual average of distribution system samples.
- 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.
- Pour plate technique -- monthly averages.
- TOCs are taken at the treatment plant's combined filter effluent.

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)