



**CENTRAL COAST WATER AUTHORITY  
POLONIO PASS WATER TREATMENT PLANT  
2010 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	0.03 - 0.12	NA	Soil runoff
		%	100%	NA				

**INORGANIC CHEMICALS**

Aluminum (b)	ppb	1000	600	50	Range	ND - 180	ND - 280	Residue from water treatment process; Erosion of natural deposits
					Average	90	86	
Arsenic	ppb	10	0.004	2.0	Range	ND	2.3	Erosion of natural deposits; runoff from orchards glass and electronic production waste
					Average	ND	2.3	
Asbestos	MFL	7	7	0.2	Range	ND	0.2	Erosion of natural deposits; runoff from orchards glass and electronic production waste
					Average	ND	0.2	
Nitrate as Nitrogen	ppm	10	10	0.4	Range	0.56	0.49	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
					Average	0.56	0.49	
Nitrate as NO <sub>3</sub>	ppm	45 (h)	45	4	Range	2.5	2.2	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
					Average	2.5	2.2	

**DISTRIBUTION SYSTEM MONITORING (c)**

Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG = 4.0	--	Range	0.82 - 3.0	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 - 2.5%	NA	Naturally present in the environment
					Average	0.2%	NA	
					Highest	2.5%	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	NA	Range	37 - 76	NA	By-product of drinking water chlorination
					Average	51	NA	
Haloacetic Acids (d)	ppb	60	NA	NA (e)	Range	8.2 - 24	NA	By-product of drinking water chlorination
					Average	13	NA	

**SECONDARY STANDARDS--Aesthetic Standards**

Chloride	ppm	500	NA	--	Range	43 - 162	39 - 168	Runoff/leaching from natural deposits; seawater influence
					Average	83	80	
Color (ACU)	Units	15	NA	--	Range	ND	15	Naturally-occurring organic materials
					Average	ND	15	
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	
Odor Threshold	Units	3	NA	1	Range	1	1 - 10	Naturally-occurring organic materials
					Average	1	3	
Specific Conductance	µS/cm	1600	NA	--	Range	319 - 1042	315 - 771	Substances that form ions when in water; seawater influence
					Average	527	486	
Sulfate	ppm	500	NA	0.5	Range	93	49	Runoff/leaching from natural deposits; industrial wastes
					Average	93	49	
Total Dissolved Solids	ppm	1000	NA	--	Range	200 - 615	204 - 455	Runoff/leaching from natural deposits;
					Average	328	308	
Turbidity (Monthly)	NTU	5	NA	--	Range	0.03 - 0.2	0.3 - 12.7	Soil runoff
					Average	0.06	2.9	

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### ADDITIONAL PARAMETERS (Unregulated)

Alkalinity (Total) as CaCO <sub>3</sub> equivalents	ppm	NA	NA	--	Range	56 - 100	52 - 88	Runoff/leaching from natural deposits; seawater influence
					Average	77	73	
Calcium	ppm	NA	NA	--	Range	34 - 76	34 - 92	Runoff/leaching from natural deposits; seawater influence
					Average	52	53	
Hardness (Total) as CaCO <sub>3</sub>	ppm	NA	NA	--	Range	70 - 170	12 - 180	Leaching from natural deposits
					Average	107	107	
Heterotrophic Plate Count (f)	CFU/mL	TT	NA	--	Range	0 - 2	NA	Naturally present in the environment
					Average	0.5	NA	
Magnesium	ppm	NA	NA	--	Range	17	16	Runoff/leaching from natural deposits; seawater influence
					Average	17	16	
pH	pH Units	NA	NA	--	Range	7.2 - 8.9	7.0 - 9.4	Runoff/leaching from natural deposits; seawater influence
					Average	8.2	8.3	
Potassium	ppm	NA	NA	--	Range	3.2	3.3	Runoff/leaching from natural deposits; seawater influence
					Average	3.2	3.3	
Sodium	ppm	NA	NA	--	Range	82	66	Runoff/leaching from natural deposits; seawater influence
					Average	82	66	
Total Organic Carbon (TOC) (g)	ppm	TT	NA	0.30	Range	1.7 - 3.6	2.6 - 6.9	Various natural and manmade sources.
					Average	2.1	3.6	

### 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 2010. Out of 548 samples collected in 2010, one positive Total Coliform was detected on January 19, 2010. 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.
- State MCL is 45 mg/L as nitrate, which equals 10 mg/L as N.

#### 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)