



**CENTRAL COAST WATER AUTHORITY
POLONIO PASS WATER TREATMENT PLANT
2012 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	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 - 0.13	NA	Soil runoff
			%	100%	NA	

INORGANIC CHEMICALS

Aluminum	ppm	1 (b)	0.6	0.05	Range	ND - 0.12	ND - 0.081	Residue from water treatment process; Erosion of natural deposits
					Average	0.069	0.046	
Nitrate as Nitrogen	ppm	10	10	0.4	Range	0.49	0.49	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
					Average	0.49	0.49	
Nitrate as NO ₃	ppm	45 (h)	45	2	Range	2.2	2.1	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
					Average	2.2	2.1	

RADIONUCLIDES

Gross Alpha Particle	pCi/L	15	(0)	3	Range	4.0	3.5	Erosion of natural deposits
					Average	4.0	3.5	

DISTRIBUTION SYSTEM MONITORING

Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG = 4.0	NA	Range	1.5 - 3.1	NA	Measurement of the disinfectant used in the production of drinking water
					Average	2.2	NA	
Total Trihalomethanes (d)	ppb	80	NA	NA	Range	20 - 77	NA	By-product of drinking water chlorination
					Average	46	NA	
Haloacetic Acids (d)	ppb	60 (e)	NA	NA	Range	5.4 - 17	NA	By-product of drinking water chlorination
					Average	11	NA	

SECONDARY STANDARDS--Aesthetic Standards

Chloride	ppm	500	NA	NA	Range	46 - 146	42 - 141	Runoff/leaching from natural deposits; seawater influence
					Average	86	83	
Color	ACU	15	NA	NA	Range	ND	15	Naturally-occurring organic materials
					Average	ND	15	
Iron, Total	ppb	300	NA	100	Range	ND	210	Leaching from natural deposits; industrial wastes
					Average	ND	210	
Odor Threshold	TON	3	NA	1	Range	ND	ND - 6	Naturally-occurring organic materials
					Average	ND	1.5	
Specific Conductance	umhos/cm	1600	NA	NA	Range	344 - 706	298 - 694	Substances that form ions when in water; seawater influence
					Average	522	486	
Sulfate	ppm	500	NA	0.5	Range	71	39	Runoff/leaching from natural deposits; industrial wastes
					Average	71	39	
Total Dissolved Solids (TDS)	ppm	1000	NA	NA	Range	202 - 417	175 - 656	Runoff/leaching from natural deposits;
					Average	308	296	
Turbidity (Monthly)	NTU	5	NA	NA	Range	0.04 - 0.1	0.44 - 7.2	Soil runoff
					Average	0.05	1.6	

ADDITIONAL PARAMETERS (Unregulated)

Alkalinity (Total) as CaCO ₃ equivalents	ppm	NA	NA	NA	Range	46 - 86	54 - 98	Runoff/leaching from natural deposits; seawater influence
					Average	67	73	
Calcium	ppm	NA	NA	NA	Range	30 - 76	32 - 78	Runoff/leaching from natural deposits; seawater influence
					Average	49	49	
Hardness (Total) as CaCO ₃	ppm	NA	NA	NA	Range	64 - 156	64 - 160	Leaching from natural deposits
					Average	101	102	
Heterotrophic Plate Count (f)	CFU/mL	TT	NA	NA	Range	0 - 4	NA	Naturally present in the environment
					Average	0.6	NA	
Magnesium	ppm	NA	NA	NA	Range	13	12	Runoff/leaching from natural deposits; seawater influence
					Average	13	12	

Parameter	Units	State MCL	PHG (MCLG)	State DLR	TREATED		SOURCE STATE WATER	Major Sources in Drinking Water
					Range	CCWA		
pH	pH Units	NA	NA	NA	Range	7.2 - 8.8	7.1 - 9.6	Runoff/leaching from natural deposits; seawater influence
					Average	8.3		
Potassium	ppm	NA	NA	NA	Range	2.6	2.6	Runoff/leaching from natural deposits; seawater influence
					Average	2.6		
Sodium	ppm	NA	NA	NA	Range	62	48	Runoff/leaching from natural deposits; seawater influence
					Average	62		
Total Organic Carbon (TOC) (g)	ppm	TT	NA	0.30	Range	1.4 - 2.4	2.2 - 4.1	Various natural and manmade sources.
					Average	1.8		

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.
- 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 NO₃, which equals 10 mg/L as N.

Abbreviations

AL = Regulatory Action Level
ACU = Apparent Color Units
CCWA = Central Coast Water Authority
CDPH = California Department of Public Health
CFU/ml = Colony Forming Units per milliliter
DLR = Detection Level for purposes of Reporting
LSI = Langelier Saturation Index
MCL = Maximum Contaminant Level
MCLG = Maximum Contaminant Level Goal
MFL = Million Fibers Per Liter
MRDL = Maximum Residual Disinfectant Level
MRDLG = Maximum Residual Disinfectant Level 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
TON = Threshold Odor Number
TT = Treatment Technique
UCMR = Unregulated Contaminant Monitoring Regulation
umhos/cm = µS/cm or microsiemens per centimeter
(unit of specific conductance of water)