



**CENTRAL COAST WATER AUTHORITY  
 POLONIO PASS WATER TREATMENT PLANT  
 WATER QUALITY TABLE  
 COVERING THE REPORTING PERIOD OF JANUARY-DECEMBER 2015**

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	0.03 - 0.17	NA	Soil runoff
			%	100%	NA	

**INORGANIC CHEMICALS**

Aluminum	ppm	1 (b)	0.6	0.05	Range	ND - 0.11	ND	Residue from water treatment process; Erosion of natural deposits
					Average	0.073	ND	
Arsenic, Total	ppb	10	0.004	2	Range	ND	2.4	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
					Average	ND	2.4	
Nitrate as Nitrogen	ppm	10 (h)	10	0.4	Range	0.43	0.43	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
					Average	0.43	0.43	

**RADIONUCLIDES**

Gross Beta Particle	pCi/L	50	(0)	4	Range	ND	4.5	Decay of natural and man-made deposits
					Average	ND	4.5	

**DISTRIBUTION SYSTEM MONITORING**

Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG = 4.0	NA	Range	1.1 - 3.5	NA	Measurement of the disinfectant used in the production of drinking water
					Average	2.3	NA	
Total Trihalomethanes (d)	ppb	80	NA	NA	Range	53 - 68	NA	By-product of drinking water chlorination
					Average	61	NA	
					Highest LRAA	61.8	NA	
Haloacetic Acids (d)	ppb	60	NA	(e)	Range	8.2 - 18	NA	By-product of drinking water chlorination
					Average	12.4	NA	
					Highest LRAA	13	NA	

**SECONDARY STANDARDS--Aesthetic Standards**

Chloride	ppm	500	NA	NA	Range	80 - 205	77 - 184	Runoff/leaching from natural deposits; seawater influence
					Average	122	117	
Color	ACU	15	NA	NA	Range	ND	20	Naturally-occurring organic materials
					Average	ND	20	
Corrosivity (Aggressivity Index)	None	non-corrosive	NA	NA	Range	non-corrosive	non-corrosive	Balance of hydrogen, carbon, & oxygen in water, affected by temperature & other factors
					Average	non-corrosive	non-corrosive	
Odor Threshold	TON	3	NA	1	Range	ND - 1	ND - 8	Naturally-occurring organic materials
					Average	ND	1.3	
Specific Conductance	uS/cm	1600	NA	NA	Range	654 - 1160	566 - 1063	Substances that form ions when in water; seawater influence
					Average	781	710	
Sulfate	ppm	500	NA	0.5	Range	97	85	Runoff/leaching from natural deposits; industrial wastes
					Average	97	85	
Total Dissolved Solids (TDS)	ppm	1000	NA	NA	Range	349 - 708	300 - 648	Runoff/leaching from natural deposits;
					Average	437	398	
Turbidity (Monthly)	NTU	5	NA	NA	Range	0.04 - 0.14	0.06 - 7.1	Soil runoff
					Average	0.07	1.2	

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

**ADDITIONAL PARAMETERS (Unregulated)**

Alkalinity (Total) as CaCO <sub>3</sub> equivalents	ppm	NA	NA	NA	Range	66 - 92	32 - 92	Runoff/leaching from natural deposits; seawater influence
					Average	79	69	
Calcium	ppm	NA	NA	NA	Range	58 - 96	58 - 92	Runoff/leaching from natural deposits; seawater influence
					Average	69	69	
DCPA (total Mono & Diacid Degredates)	ppb	NA	NA	NA	Range	0.13	0.12	
					Average	0.13	0.12	
Geosmin	ng/L	NA	NA	NA	Range	ND - 4	ND - 13	
					Average	2	5	
Hardness (Total) as CaCO <sub>3</sub>	ppm	NA	NA	NA	Range	128 - 206	124 - 212	Leaching from natural deposits
					Average	146	146	
Heterotrophic Plate Count (f)	CFU/mL	TT	NA	NA	Range	0 - 6	NA	Naturally present in the environment
					Average	0.5	NA	
Magnesium	ppm	NA	NA	NA	Range	18	18	Runoff/leaching from natural deposits; seawater influence
					Average	18	18	
Manganese, Total	ppb	NA	NA	NA	Range	ND	10	Runoff/leaching from natural deposits; seawater influence
					Average	ND	10	
2-Methylisoborneol	ng/L	NA	NA	NA	Range	ND - 1003	ND - 303	
					Average	111	42	
pH	pH Units	NA	NA	NA	Range	7.6 - 8.8	7.7 - 9.3	Runoff/leaching from natural deposits; seawater influence
					Average	8.2	8.7	
Potassium	ppm	NA	NA	NA	Range	3.4	3.5	Runoff/leaching from natural deposits; seawater influence
					Average	3.4	3.5	
Sodium	ppm	NA	NA	NA	Range	84	80	Runoff/leaching from natural deposits; seawater influence
					Average	84	80	
Total Organic Carbon (TOC) (g)	ppm	TT	NA	0.30	Range	1.9 - 3.1	3.4 - 6.3	Various natural and manmade sources.
					Average	2.5	4.8	

**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) Aluminum has a Secondary MCL of 0.2 ppm.
- (c) Total coliform MCLs: Systems that collect ≥40 samples/month no more than 5.0% of the monthly samples may be Total Coliform positive. Systems that collect <40 samples per month no more than 1 positive sample per month 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.
- (d) Compliance based on the running quarterly annual average of distribution system samples.
- (e) 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.
- (f) Pour plate technique
- (g) TOCs are taken at the treatment plant's combined filter effluent.
- (h) State MCL is 45 mg/L as NO<sub>3</sub>, which equals 10 mg/L as N.

**Abbreviations**

- ACU = Apparent Color Units
- CCWA = Central Coast Water Authority
- CFU/ml = Colony Forming Units per milliliter
- DLR = Detection Level for purposes of Reporting
- MCL = Maximum Contaminant Level
- MCLG = Maximum Contaminant Level Goal
- MRDL = Maximum Residual Disinfectant Level
- MRDLG = Maximum Residual Disinfectant Level Goal
- NA = Not Applicable
- 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)
- TON = Threshold Odor Number
- TT = Treatment Technique
- LRAA = Locational Running Annual Average