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 CCWA PPWTP	SOURCE STATE WATER	Major Sources in Drinking 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 - 0.12 100%	NA NA	Soil runoff
INORGANIC CHEMICALS								
Aluminum (b)	ppb	1000	600	50	Range Average	ND - 340 129	66 66	Residue from water treatment process; Erosion of natural deposits
Arsenic	ppb	10	0.004	2.0	Range Average	ND ND	4.4 4.4	Erosion of natural deposits; runoff from orchards glass and electronic production waste
Flouride	ppm	2.0	1		Range Average	.1 .1	0.1 0.1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
RADIONUCLIDES								
Gross Alpha Particle	pCi/L	15	(0)	1	Range Average	NC NC	3.4 3.4	
DISTRIBUTION SYSTEM MONITORING (c)								
Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG = 4.0	--	Range Average	1.1 - 2.9 2.0	NA NA	Measurement of the disinfectant used in the production of drinking water
Total Coliform Bacteria (c)	--	5.0% of monthly samples	0	--	Range Average Highest	0 - 2.3% 0.2% 2.3%	NA NA NA	Naturally present in the environment
Fecal Coliform and *E. coli*	--	--	0	--	Range Average Highest	0 Positives 0 Positives 0 Positives	NA NA NA	Human and animal fecal waste
Total Trihalomethanes *(d)*	ppb	80	NA	0.5	Range Average	46.0 - 65.0 54.6	NA NA	By-product of drinking water chlorination
Haloacetic Acids (d)	ppb	60	NA	1.0 (e)	Range Average	7.3 - 14.0 11.0	NA NA	By-product of drinking water chlorination
SECONDARY STANDARDS--Aesthetic Standards								
Chloride	ppm	500	NA	--	Range Average	31 - 147 101	30 - 146 97	Runoff/leaching from natural deposits; seawater influence
Color (ACU)	Units	15	NA	--	Range Average	ND ND	20 20	Naturally occurring organic materials
Corrosivity	SI	non-corrosive	NA	--	Range Average	non-corrosive non-corrosive	NA NA	Balance of hydrogen, carbon, & oxygen in water, affected by temperature & other factors
Iron	ppb	300	NA	100	Range Average	ND ND	0.043 0.043	Leaching from natural deposits; industrial wastes
Manganese	ppb	50	NA	20	Range Average	ND ND	8.3 8.3	Leaching from natural deposits
Odor Threshold	Units	3	NA	1	Range Average	1 1	1 - 10 3	Naturally occurring organic materials
Specific Conductance	µS/cm	1600	NA	--	Range Average	231 - 786 561	256 - 697 527	Substances that form ions when in water; seawater influence.
Sulfate	ppm	500	NA	0.5	Range Average	63 63	49 49	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids	ppm	1000	NA	--	Range Average	131 - 493 362	144 - 466 337	Runoff/leaching from natural deposits; seawater influence
Turbidity (Monthly)	NTU	5	NA	--	Range Average	0.04 - 0.2 0.06	0.46 - 8.3 1.5	Soil runoff

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ADDITIONAL PARAMETERS (Unregulated)								
Alkalinity (Total) as $CaCO_3$ equivalents	ppm	NA	NA	--	Range	52 - 94	54 - 100	Runoff/leaching from natural deposits;
					Average	75	81	seawater influence
Calcium	ppm	NA	NA	--	Range	30 - 76	28 - 80	Runoff/leaching from natural deposits;
					Average	56	56	seawater influence
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;
					Average	17	17	seawater influence
pH	pH Units	NA	NA	--	Range	7.5 - 9.0	7.3 - 9.6	Runoff/leaching from natural deposits;
					Average	8.2	8.5	seawater influence
Potassium	ppm	NA	NA	--	Range	3.5	3.4	Runoff/leaching from natural deposits;
					Average	3.5	3.4	seawater influence
Sodium	ppm	NA	NA	--	Range	77	71	Runoff/leaching from natural deposits;
					Average	77	71	seawater influence
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:

(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 200 ppb.

(c) 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 ot the positive Total Coliform detection were absent for Total Coliform.

(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 -- monthly averages.

(g) 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)