2007 WATER QUALITY DATA TABLE for CAYUCOS

During the year 2007, hundreds of water samples were collected in order to determine the presence or absence of any biological, radioactive, inorganic or organic contaminants in your drinking water. The following table lists all of the drinking water contaminants that were detected in 2007 or in the most recent sampling event prior to 2007. The presence of these contaminants in water does not necessarily indicate that the water poses a health risk. Numerous other substances were tested for, but were not detected and will not appear in the table below. The California Department of Public Health does not require us to monitor for certain contaminants every year, because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data in the table, may be more than one year old, but is still representative of the water quality. In these cases, the most recent sample data are included along with the year in which the sample was collected.

TREATMENT of SURFACE WATER SOURCES

The treatment techniques used at the Cayucos Water Treatment Plant are filtration and chlorination .

Turbidity Performance Standard - Turbidity is a measure of the cloudiness of the water. We monitor turbidity because it is a good indicator of the effectiveness of our filtration system and overall water quality. When turbidity results meet performance standards, we are considered to be in compliance with filtration requirements.

Turbidity Performance Standards require that the turbidity of filtered water must:	
1 - Be less than or equal to 0.3 NTU in 95% of the measurements in a month.	Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1: 100%
2 - Not exceed 1.0 NTU for more than eight consecutive hours.	Highest single turbidity measurement during the month: 0.12 NTU
3 - Not exceed 5 NTU at any time.	Number of violations of any surface water treatment requirements: 0

DETECTION OF CONTAMINANTS WITH PRIMARY DRINKING WATER STANDARDS: Regulated in Order to Protect Against Possible Adverse Health Effects

MICROBIOLOGICAL CONTAMINANTS

Contaminant	Reporting Units	Where Sampled	Year Sampled	Average	Range	MCL	PHG (MCLG)	Potential Source of Contamination
Total Coliform Bacteria	Present or Absent	Distribution	2007	Not Detected	Not Detected	More than 1 sample in a month with a detection	(0)	Naturally present in the environment
Heterotrophic Plate Count	CFU/mL	Distribution	2007	2	ND - 15	TT = adequate disinfection (HPC < 500 CFU/mL)	(0)	Naturally present in the environment

LEAD AND COPPER AT CONSUMER'S HOMES

Contaminant	Reporting Units	Where Sampled	Year Sampled	No. of samples collected	90th percentile level detected	No. of sites exceeding the action level	Action Level	PHG	Potential Source of Contamination
Lead	ppb	Homes	2005	10	ND	0	15	2	Internal corrosion of household water plumbing systems; erosion of natural deposits
Copper	ppb	Homes	2005	10	480	0	1300	170	

DISINFECTION BYPRODUCTS, DISINFECTANT RESIDUALS, AND DISINFECTION BYPRODUCT PRECURSORS

Contaminant	Reporting Units	Where Sampled	Year Sampled	Highest Running Annual Average	Range Detected	MCL	PHG	Potential Source of Contamination
Total Trihalomethane	ppb	Distribution	2007	64	16-77	RAA = 80	NA	By-product of drinking water chlorination
Haloacetic Acids	ppb	Distribution	2007	18	3.2-22	RAA = 60	NA	By-product of drinking water disinfection
Chlorine Residual	ppm	Distribution	2007	1.01 (Yearly Average)	0.53 - 1.53	4.0 (as Cl2)	4	Drinking water disinfectant added for treatment
Total Organic Carbon (Control of DBP precursors)	Percent removal	Treatment Plant	2007	28% (Yearly Average)	6% - 92%	TT	NA	Various natural and manmade sources

2007 Water Quality Data for Cayucos (continued)

RADIOACTIVE CONTAMINANTS								
Contaminant	Reporting Units	Year Sampled	Treated Water Average (Range)	Year Sampled	CAWO Well (provided 6% of water) Average (and Range)	MCL	PHG (MCLG)	Potential Source of Contamination
Gross Alpha Particle Activity	pCi/L	2007	Not Detected	2004	1.85 (1.15 - 2.59)	15	(0)	Erosion of natural deposits
Radium 228	pCi/L	2004	0.34 (0.27 - 0.461)	2004	0.29 (ND - 0.554)	Combined Radium=5	(0)	Erosion of natural deposits
INORGANIC CONTAMINANTS								
Aluminum	ppb	2007	42	2006	ND	1000	600	Erosion of natural deposits; treatment process residue
Arsenic	ppb	2007	ND	2006	ND	10	0.004	Erosion of natural deposits; runoff from orchards
Barium	ppb	2007	80	2006	23	1000	2000	Erosion of natural deposits
Fluoride	ppm	2007	0.38	2006	0.3	2	1	Erosion of natural deposits
Nitrate	ppm	2007	0.11	2007	3.9 (2.6 - 5.1)	45	45	Erosion of natural deposits

Detection of Contaminants with a Secondary Drinking Water Standard (to protect aesthetics i.e., odor, taste, and appearance)

Contaminant	Reporting Units	Year Sampled	Treated Water Average (Range)	Year Sampled	CAWO Well (provided 6% of water) Average (Range)	MCL	Potential Source of Contamination
Aluminum	ppb	2007	42	2006	ND	200	Erosion of natural deposits; treatment process residue
Chloride	ppm	2007	27	2007	39 (37 - 42)	500	Runoff/leaching from natural deposits; seawater influence
Manganese	ppb	2007	ND	2007	46 (45 - 47)	50	Leaching from natural deposits
Specific Conductance	micromohs/ cm	2007	640	2007	780 (770 - 800)	1600	Substances that form ions when in water; seawater influence
Sulfate	ppm	2007	74	2007	40 (37 - 44)	500	Runoff/leaching from natural deposits
Turbidity	NTU	2007	0.06 (0.04 - 0.12)	2007	0.12 (0.05 - 0.25)	5	Soil Runoff
Total Dissolved Solids	ppm	2007	360	2007	440 (420 - 450)	1000	Runoff/leaching from natural deposits

Contaminant	Reporting Units	Year Sampled	Distribution System Average (Range)	MCL	Potential Source of Contamination
Odor - Threshold	TON	2007	1.5 (1.0 - 2.0)	3	Naturally occurring organic materials
Color	color units	2007	1 (ND - 3)	15	

Detection of Contaminants without a Drinking Water Standard

Contaminant	Reporting Units	Year Sampled	Treated Water Average (Range)	CAWO Well (provided 6% of water) Average (Range)	MCL	Potential Source of Contamination
Alkalinity as $CaCO_3$	ppm	2007	240	330 (320 - 340)	NS	
Calcium	ppm	2007	42	57 (55 - 60)	NS	Runoff/leaching from natural deposits; seawater influence
Hardness as $CaCO_3$	ppm	2007	270	330 (320 - 340)	NS	Generally found in ground and surface water
Magnesium	ppm	2007	39	46 (44 - 47)	NS	
pH		2007	7.81	7.56 (7.44 - 7.66)	NS	Runoff/leaching from natural deposits; seawater influence
Sodium	ppm	2007	34	45 (43 - 46)	NS	