TABLE 6 – Additional Physical, Mineral, and Metal Characteristics

2008 BY WATER TREATMENT PLANT

	Alvarado Treatment Plant			Miramar Treatment Plant			Otay Treatment Plant			
ANALYTE	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	Units
Aggressive Index	11.6	12.1	12.5	11.6	12.2	12.6	12	12.4	12.8	.
Alkalinity - Total as CaCO3	107	120	131	103	114	123	115	127	143	MG/L
Aluminum	< 50	5.03	60.4	< 50	< 50	< 50	< 50	< 50	< 50	UG/L
Antimony	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	UG/L
Arsenic	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	UG/L
Barium	< 100	< 100	109	< 100	131	< 100	< 100	< 100	< 100	UG/L
Beryllium	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	UG/L
Bicarbonate	130	144	159	125	135	146	134	149	164	MG/L
Bromide	< 0.1	< 0.1	< 0.1	< 0.1	0.2	2.34	0.11	< 0.1	0.13	MG/L
Cadmium	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	UG/L
Calcium	51.6	63.8	80.4	58.4	67.9	88.8	48	60.3	73.2	MG/L
Calcium Hardness	129	160	201	146	170	222	120	151	183	MG/L
Carbonate	0	0.27	3	0	0.78	7.8	0	2.19	19.7	MG/L
Chloride	83.2	96.4	110	87	95.9	102	95.6	112	127	MG/L
Chromium	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	UG/L
Color	ND	< 1	2	0	0	0	1	0.8	2	COLOR
Conductivity	834	928	1,090	854	926	1,030	893	958	1,040	UMHO/CM
Copper	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	UG/L
Cyanide	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	UG/L
Fluoride	0.17	0.24	0.29	0.21	0.25	0.29	0.2	0.27	0.33	MG/L
Hardness - Total	209	231	245	217	241	269	217	234	257	MG/L
Hardness - Total in Grains/Gal	12.2	14.3	13.5	12.7	15.7	14.1	12.7	15	13.7	gr/Gal
Iron	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	UG/L
Langlier Index	-0.21	0.33	0.71	-0.15	0.43	0.83	0.25	0.62	0.99	.
Lead	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	UG/L
Magnesium	5.2	17.2	26.1	3.1	17.1	27.6	10.3	20	28.8	MG/L
Manganese	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	UG/L
Mercury	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	UG/L
Nickel	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	UG/L
Nitrate	< 2	< 2	2.42	ND	< 2	2.44	< 2	< 2	< 2	MG/L
Nitrate as Nitrogen	< 0.45	< 0.45	0.55	< 0.45	< 0.45	0.55	< 0.45	< 0.45	< 0.45	MG/L
Non-Carb_Hard	87	111	137	109	88.4	146	87	107	125	MG/L
pH	7.4	7.9	8.21	7.45	8.03	8.48	7.79	8.19	8.6	PH
Potassium	3.85	4.38	4.81	3.83	4.33	5.09	4.15	4.74	5.23	MG/L
Silica	8.1	9.75	11.5	6.4	9.8	9.8	4.2	6.41	8.5	MG/L
Silver	< 0.1	< 0.1	< 0.1	< 1	< 1	< 1	< 1	< 1	< 1	UG/L
Sodium	81.4	86.9	93.5	79.8	86.7	92.4	85.7	92.6	102	MG/L
Sulfate	146	172	206	159	192	218	149	167	196	MG/L
Total Dissolved Solids	493	530	569	460	541	601	492	545	589	MG/L
Total Nitrogen	0.64	0.89	1.39	0.3	1.21	1.21	0.51	1.26	6.03	MG/L
Total Phosphorus	0	0	0	0	0	0	0	0	0	MG/L
Turbidity	0.1	0.14	0.23	0.08	0.16	0.27	< .1	0.16	0.72	NTU
Vanadium	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	UG/L
Zinc	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	UG/L