

**Table No. E-1
Water Quality P-16 CAS Wastewater**

CONSTITUENT	TO VSEP/Nanofiltration						RW-8
	95 1RW	98-1RW	2000-3RW	2000-4RW	2000-5RW	2004-5,6RW ⁽¹⁾	
TDS (mg/L)	6,715	3,290	3,572	8,125	7,685	7,905	8305
CHLORIDE (mg/L)	3,850	1,750	1,440	4,150	4,350	4,250	4350
CALCIUM (mg/L)	580	430	612	515	345	430	350
STRONTIUM (mg/L)	25	4.7	13	100	100	100	195
SULFATE (mg/L)	800	120	570	830	1,300	1,065	725
NITRATE (mg/L - N)	0	0	4.7	0	0	0	1.025
BARIUM (mg/L)	0	0.46	0.26	0.10	0.12	0	0.08
FLUORIDE (mg/L)	ND	ND	ND	ND	ND	ND	ND
LEAD (mg/L)	0.005	0	0	0.048	0.094	0	0.0535
IRON (mg/L)	ND	ND	ND	ND	ND	ND	ND
BORON (mg/L)	ND	ND	ND	ND	ND	ND	ND
MAGNESIUM (mg/L)	300	370	252	235	175	205	150
MANGANESE (mg/L)	ND	ND	ND	ND	ND	ND	ND
POTASSIUM (mg/L)	38	8.0	18	62	49	55	63.5
SODIUM (mg/L)	1,500	210	174	2,200	2,400	2,300	2400
ANTIMONY (mg/L)	ND	ND	ND	ND	ND	ND	ND
ARSENIC (mg/L)	ND	ND	ND	ND	ND	ND	ND
CHROMIUM (mg/L)	ND	ND	ND	ND	ND	ND	ND
COBALT (mg/L)	ND	ND	ND	ND	ND	ND	ND
COPPER (mg/L)	ND	ND	ND	ND	ND	ND	ND
MERCURY (mg/L) ⁽²⁾	0.000000	ND	0.011400	0.000032	0.000065	0.000048	0.000084
MOLYBDENUM (mg/L)	ND	ND	ND	ND	ND	ND	ND
ZINC (mg/L)	ND	ND	ND	ND	ND	ND	ND
RADIUM 226 (pCi/L)	1.1	1.0	0.37	8.0	1.12	4.56	1.5
RADIUM 228 (pCi/L)	4.0	2.23	1.28	14.3	0.36	7.30	0
URANIUM 234 (pCi/L)	16.9	5.23	22.7	8.4	3.95	6.15	4.0
URANIUM 235 (pCi/L)	0.7	0.07	0.72	0.38	0.10	0.2	0.115
URANIUM 238 (pCi/L)	10.00	2.35	12.20	6.50	3.03	4.77	3.43
THORIUM 228 (pCi/L)	1.1	0.1	0	5	0.46	2.74	1.07
THORIUM 230 (pCi/L)	0.18	0.0	0	0	0.00	0.10	0
THORIUM 232 (pCi/L)	0.0	0.0	0	0	0.08	0.14	0.075
GROSS ALPHA (pCi/L)	23	7.4	26.6	56	18.45	37	7.9
GROSS BETA (pCi/L)	39	5.6	27.6	91	41.5	66	51.5

(1) average of 2004-5RW and 2004-6RW

(2) Only wells with detection presented in the table above were analyzed for mercury at parts per trillion (ppt) level.

mg/L = Milligrams per liter

pCi/L = Picocuries per Liter

ND = Non detectable