

Table E-3
Wastewater Analyses Hyperfiltration Reject (Brine)

Constituent	Units	N	Minimum	Average	Maximum
Alkalinity - Bicarbonate	mg/L	6	320	366.67	410
Alkalinity - Carbonate	mg/L	6	< 5	NA	<25
Alkalinity - Hydroxide	mg/L	6	< 5	NA	<25
Alkalinity - Total	mg/L	6	320	366.67	410
Arsenic	mg/L	6	<0.01	NA	<0.025
Barium	mg/L	6	1.2	2.07	2.9
Boron	mg/L	6	1	1.10	1.2
Calcium	mg/L	6	1600	1817	2300
Chloride	mg/L	6	6300	7033	8200
Chromium	mg/L	6	<.005	NA	<.010
Cobalt	mg/L	6	<.005	NA	<.010
Copper	mg/L	5	<.002	NA	<.010
Lead	mg/L	6.000	0.003	0.003	0.004
Magnesium	mg/L	6	1100.00	1216.67	1500.00
Manganese	mg/L	6	0.014	0.085	0.230
Molybdenum	mg/L	6	0.016	0.017	0.018
Nitrate (as N)	mg/L (N)	6	51	122.8	470
Potassium	mg/L	6	35	39.7	46
Sodium	mg/L	6	600	658.3	800
Strontium	mg/L	2	150	160.0	170
Sulfate	mg/L	6	420	553.3	670
TDS	mg/L	6	12500	15683.3	21200
Zinc	mg/L	6	<.0500	NA	<.1000
Gross Alpha	pCi/L	5	81	107.80	133
Gross Beta	pCi/L	5	48	69.40	82
Radium-226	pCi/L	6	0.84	3.06	8
Radium-228	pCi/L	6.00	7.70	12.05	15.70
Radium - Total	pCi/L	6	9.73	15.11	22.9
Thorium-228	pCi/L	6.00	0.17	0.26	0.42
Thorium-230	pCi/L	6.00	0.10	0.14	0.20
Thorium-232	pCi/L	6	ND	NA	ND
Thorium - Total	pCi/L	6	0.26	0.40	0.62
Uranium-234	pCi/L	6	73.90	101.32	119
Uranium-235	pCi/L	6	2.34	3.71	5.71
Uranium-238	pCi/L	6	3.68	47.20	63
Uranium - Total	pCi/L	6	113.04	157.74	185.7
pH	pH units	6	7.29	7.34	7.42
Temperature	degree C	3	19.1	20.5	22.3

Concentrations in samples collected from 10/30/01 - 10/8/02. Molycorp collected the samples & reported results in quarterly self monitoring reports.

N - number of samples

mg/L = Milligrams per liter

pCi/L = Picocuries per Liter