

Table E3
Wastewater Analyses Hyperfiltration Reject (Brine)

Constituent	Units	Minimum	Average	Maximum	N
Alkalinity - Bicarbonate	mg/L	320	366.66667	410	6
Alkalinity - Carbonate	mg/L			<25.0000	6
Alkalinity - Hydroxide	mg/L			<25.0000	6
Alkalinity - Total	mg/L	320	366.66667	410	6
Arsenic	mg/L	0.0094	0.00940	0.0094	6
Barium	mg/L	1.2	2.06667	2.9	6
Boron	mg/L	1	1.10000	1.2	6
Calcium	mg/L	1600	1816.66667	2300	6
Chloride	mg/L	6300	7033.33333	8200	6
Chromium	mg/L	<.0050		<.0100	6
Cobalt	mg/L	<.0050		<.0100	6
Copper	mg/L	<.0020		<.0100	5
Lead	mg/L	0.0027	0.00325	0.0038	6
Magnesium	mg/L	1100	1216.66667	1500	6
Manganese	mg/L	0.014	0.08483	0.23	6
Molybdenum	mg/L	0.016	0.01720	0.018	6
Nitrate (as N)	mg/L (N)	51	122.83333	470	6
Potassium	mg/L	35	39.66667	46	6
Sodium	mg/L	600	658.33333	800	6
Strontium	mg/L	150	160.00000	170	2
Sulfate	mg/L	420	553.33333	670	6
TDS	mg/L	12500	15683.33333	21200	6
Zinc	mg/L	<.0500		<.1000	6
Gross Alpha	pCi/L	81	107.80000	133	5
Gross Beta	pCi/L	48	69.40000	82	5
Radium-226	pCi/L	0.84	3.05667	8	6
Radium-228	pCi/L	7.7	12.05000	15.7	6
Radium - Total	pCi/L	9.73	15.10667	22.9	6
Thorium-228	pCi/L	0.167	0.26450	0.42	6
Thorium-230	pCi/L	0.096	0.13733	0.204	6
Thorium-232	pCi/L			<0.0410	6
Thorium - Total	pCi/L	0.263	0.40183	0.624	6
Uranium-234	pCi/L	73.9	101.31667	119	6
Uranium-235	pCi/L	2.34	3.70667	5.71	6
Uranium-238	pCi/L	3.68	47.19667	63	6
Uranium - Total	pCi/L	113.04	157.74000	185.7	6
pH	pH units	7.29	7.33667	7.42	6
Temperature	degree C	19.1	20.50000	22.3	3

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