Table E5
Constituent Concentrations Onsite Evaporation Ponds
Solids

Constituent	Units	N	Minimum	Average	Maximum
Antimony	mg/kg	5	<5.0000		<12.000
Arsenic	mg/kg	5	1.800	2.040	3.800
Barium	mg/kg	5	190.000	699.200	1200.000
Beryllium	mg/kg	5	<1.0000		<2.50000
Cadmium	mg/kg	5	<1.0000		<2.50000
Chromium	mg/kg	5	5.600	13.520	23.000
Cobalt	mg/kg	5	5.800	5.360	9.000
Copper	mg/kg	5	11.000	39.000	90.000
Total Lanthanides			NS	NS	NS
Lead	mg/kg	5	13.000	20.600	31.000
Manganese	mg/kg		NS	NS	NS
Mercury	mg/kg	5	0.580	4.298	8.600
Molybdenum	mg/kg	5	7.000	3.800	12.000
Nickel	mg/kg	5	9.000	13.640	20.000
Selenium	mg/kg	5	<0.5000		0.800
Silver	mg/kg	5	<2.5000		<5.0000
Strontium	mg/kg				
Thallium	mg/kg	5	<0.5000		<1.0000
Vanadium	mg/kg	5	24.000	47.400	80.000
Zinc	mg/kg	5	40.000	57.000	100.000
Gross Alpha	pCi/g	1			16.600
Gross Beta	pCi/g	1			12.000
Radium-226	pCi/g	1			0.700
Radium-228	pCi/g	0	NS	NS	NS
Radium (Total)	pCi/g	1			0.700
Thorium-228	pCi/g	3	1.750	2.083	2.440
Thorium-230	pCi/g	3	0.082	0.178	0.340
Thorium-232	pCi/g	3	0.119	0.645	1.460
Thorium (Total)	pCi/g	4	2.220	2.907	4.200
Thorium (Total)	mg/kg		NS	NS	NS
Uranium-234	pCi/g	3	4.060	25.153	54.700
Uranium-235	pCi/g	3	0.135	0.717	1.590
Uranium-238	pCi/g	3	2.100	13.300	28.900
Uranium (Total)	pCi/g	4	6.295	39.171	85.190
Uranium (Total)	mg/kg		NS	NS	NS

Concentrations in samples collected from 1/23/02 - 5/29/03. Board staff collected one sample analyzed for the 17 metals listed in 22CCR§66261.24. Molycorp collected the rest of the samples & reported results in quarterly self monitoring reports.