

CSMRI RI/FS Options Analysis (Summary)

	Alternative								
	1	2A	2B	3A	3B	4A	4B	5A	5B
Mobilization	\$12,098	\$91,278	\$91,278	\$78,990	\$91,278	\$115,684	\$100,327	\$90,549	\$90,549
Construction Costs	\$61,051	\$921,730	\$1,815,152	\$1,099,268	\$1,531,451	\$2,370,685	\$2,007,036	\$1,700,270	\$1,791,203
Equipment Costs	\$459	\$483,736	\$483,736	\$471,106	\$652,417	\$566,367	\$597,968	\$304,926	\$352,925
Land Development	\$0	\$532,528	\$532,528	\$532,528	\$622,591	\$524,371	\$524,760	\$724,094	\$724,094
Disposal Costs	\$0	\$21,186	\$21,186	\$228,103	\$609,451	\$21,186	\$21,186	\$211,860	\$408,184
Engineering Costs	\$5,476	\$63,866	\$63,866	\$63,866	\$63,866	\$346,025	\$216,932	\$42,937	\$42,937
O & M (Present Value)	\$2,016,797	\$1,126,424	\$1,126,424	\$1,126,424	\$1,126,424	\$1,126,424	\$1,126,424	\$226,253	\$226,253
Demobilization	\$11,639	\$84,054	\$84,054	\$84,054	\$84,054	\$99,156	\$102,263	\$78,744	\$78,231
Repair (Present Value)	\$0	\$398,364	\$398,364	\$398,364	\$398,364	\$398,364	\$398,364	\$0	\$0
Total	\$2,107,521	\$3,723,166	\$4,616,588	\$4,082,704	\$5,179,896	\$5,568,263	\$5,095,261	\$3,379,633	\$3,714,376
Rank	1	4	6	5	8	9	7	2	3
Ratio to Least Expensive	1.00	1.77	2.19	1.94	2.46	2.64	2.42	1.60	1.76

Alternative	Description
1	No further action
2A	Institutional controls w/ engineered cap (no excavation)
2B	Institutional controls with engineered cap w/ slurry wall (no excavation)
3A	Limited excavation (~ 500 yd ³ soils > 15 pCi/g) w/ off site disposal & engineered cap
3B	Limited excavation (~ 5,000 yd ³ soils > 5 pCi/g) w/ off site disposal & engineered cap
4A	On-site solidification w/ engineered cap
4B	On-site w/ entombment
5A	Excavation (~ 10,000 yd ³) and disposal at in-state solid waste facilities
5B	Excavation (~ 10,000 yd ³) and disposal at in-state and out-of-state solid waste facilities