

Table A20-3b *Estimated Cost of Soil Excavation and Disposal*
FS Group A20-3 - Remedial Alternative A20-3B (Residential and Commercial Use)
Site C41
Perimeter Groundwater Operable Unit RI/FS
Aerojet Superfund Site
Sacramento County, California

DESCRIPTION	QUANTITY		ESTIMATED COST	
	NUMBER	UNIT	UNIT COST (\$)	TOTAL COST (\$)
DIRECT CAPITAL COST				
Reporting				
RD/RA Workplan	1	LS	\$10,000	\$10,000
Remedial Action Summary (Construction Completion Report)	1	LS	\$10,000	\$10,000
			SUBTOTAL - REPORTING	\$20,000
Excavation and Disposal				
Surveying (pre- and post-excavation)	2	DAY	\$1,500	\$3,000
Equipment mobilization/demobilization	1	LS	\$6,000	\$6,000
Excavate and stockpile soil for Class II Landfill	6,765	TON	\$6	\$40,600
Soil transportation and disposal (Class II Landfill)	6,765	TON	\$40	\$270,600
Excavate and stockpile soil for Class I Landfill	0	TON	\$36	\$0
Soil transportation and disposal (Class I Landfill)	0	TON	\$91	\$0
Backfill excavations with clean fill and compact fill	6,765	TON	\$10	\$67,700
Water truck	10	DAY	\$500	\$5,000
Regulatory Oversight	1	LS	\$6,500	\$6,500
			SUBTOTAL - EXCAVATION AND DISPOSAL	\$399,400
Confirmation and Stockpile Sample Analyses				
Stockpile sampling - Title 22 metals (1 sample/100 CY)	2	EA	\$130	\$300
Excavation floor confirmatory sampling	2	EA	\$130	\$300
Excavation sidewall sampling	8	EA	\$130	\$1,000
			SUBTOTAL - SAMPLING	\$1,600
			SUBTOTAL - DIRECT CAPITAL COST	\$421,000
INDIRECT CAPITAL COST				
Engineering Design, Procurement, Administrative, and Legal Costs (% of Direct Capital Costs)	1	%	6	\$25,300
Construction Management (% of Direct Capital Costs)	1	%	5	\$21,100
Project Management (% of Direct Capital Costs)	1	%	5	\$21,100
Contractor's General Requirements (assume monthly rental of job trailer, storage box, and portable toilet; and administration support)	3	Week	\$1,000	\$3,000
			SUBTOTAL - INDIRECT CAPITAL COST	\$70,500
			SUBTOTAL - CAPITAL COST (DIRECT AND INDIRECT)	\$492,000
			Capital Cost Contingency (scope and cost) 20%	\$98,000
			TOTAL ESTIMATED CAPITAL COST	\$590,000

Notes and Key:

Excavation Floor Confirmation Samples assumes 1 sample per 1,000 square feet or 1 sample from excavation less than 1,000 square feet.

Excavation Sidewall Samples - Assumes 1 sample every 25 liner foot or 1 sample from each sidewall for excavation.

LS = Lump Sum

% = Percent

EA = Each

Ton = 2,000 pounds