

APPENDIX D

Partial Closure Cost Estimate

Table D-1

**CLOSURE COST ESTIMATE FOR PARTIAL CLOSURE (EVENT 2)
JED SOLID WASTE MANAGEMENT FACILITY**

		Partial Closure of Phase I			
Item #	Work Description	Units	Quantity	Unit Cost ⁽¹⁾	Total
Area of Closure:		acres 18.40			
1	Proposed Monitoring Wells	each	N/A	N/A	N/A
2	Slope and Fill (intermediate layer)	cyd	29,700	\$3.06	\$90,882
3	Cover Material (Barrier Layer)				\$643,798
	Cover Protective Soil	cyd	44,500	\$3.53	\$157,085
	Synthetics - 40-mil	sq. ft.	800,100	\$0.30	\$240,030
	Synthetics - geocomposite	sq. ft.	609,100	\$0.38	\$231,458
	Liner Tie-in	lf	2,900	\$5.25	\$15,225
4	Vegetative Soil Cover	cyd	14,900	\$3.49	\$52,001
5	Vegetative Layer (sodding)	sq. yd.	88,900	\$1.50	\$133,350
6	Stormwater Control System				\$152,694
	18"- Corrugated HDPE Pipe	lf	3,045.00	\$21.03	\$64,036
	4"- Corrugated HDPE Pipe	lf	5,100.00	\$1.82	\$9,282
	4"- Corrugated HDPE Pipe w rap	lf	5,100.00	\$12.30	\$62,730
	Control Structures	each	14	\$1,189.00	\$16,646
7	Gas Controls: Active				\$8,464
		each 8" boot	16	\$277.00	\$4,432
		each 6" boot	16	\$252.00	\$4,032
8	Engineering		1.00	\$22,000.00	\$22,000
9	Professional Services				\$140,319
	Contract Management		\$ 1,103,189.35	3%	\$33,096
	Quality Assurance (labor)		\$ 1,103,189.35	7%	\$77,223
	Quality Assurance (mat'l testing)	lump sum			\$30,000
Subtotal of Items 1-9 Above:					\$1,243,508
10	Contingency (10% of Total)				\$124,350.8
TOTAL CLOSURE COST:					\$1,367,859

Note:

(1) The unit costs above are based on the average of bid prices for the 2009 Phase I Partial Closure Event