Appendix E

M-CACES Cost Estimate

Sitewide Groundwater (OU1)
Continental Steel Superfund
Site (CSSS)
Kokomo, Indiana
Prefinal Design Dated Jan. 2004

Designed By: CH2M HILL
Estimated By: CH2M HILL

Prepared By: CH2M HILL

Preparation Date: 06/27/03
Effective Date of Pricing: 06/27/03

Sales Tax: 0.00%

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No Backup Reports...

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		QUANTY	UOM	TOTAL COST
Preconstruction Submittals				
	Payment/Performance Bonds	1.00	LS	75,000
	Safety Supply Allowance	1.00	LS	5,000
	Builder's Risk Insurance	1.00	LS	10,000
	Submittals	1.00	LS	7,500
	Home Office Engineering Support	1.00	LS	7,500
Field Management for Sitewide GW				
		2.00	MO	0
	Project Manager	2.00	MO	19,160
	Superintendent	2.00	MO	15,500
	Field Engineer	2.00	MO	13,200
	HSO	2.00	MO	18,400
	Field Office/Utils/Porta-Johns	2.00	MO	5,950
	Relocation Allowance	1.00	LS	5,000
	Fuel Storage	2.00	MO	500
	Fire Protection	1.00	LS	2,500
	Spill Prevention/Emerg Response	1.00	LS	2,000
	Site Vehicles	2.00	MO	11,200
	Mechanic with Truck	2.00	MO	13,400
Well Installation				
	Mobilize Equipment	1.00	LS	3,000
	Extraction Well Construction	1.00	LS	200,000
	Well Pumps and Controllers	15.00	EA	18,000
	MarklandQuarryWellPump&Cntroller	1.00	EA	2,000
	Equipment Storage Trailers/Rent	2.00	MO	920
	Flush Mount Well Cover	16.00	EA	16,000
	Monitoring Wells	3.00	EA	6,000
Instrumentation				
	Autodialer	4.00	EA	12,000
	Flowmeter-Eest Bank Wildcat Crk	6.00	EA	1,440
	Flowmeter-Millbrook Lane	5.00	EA	2,850
	Flowmeter-West Markland Avenue	4.00	EA	1,320
	Totalizing Flowmeter-Markland Av	1.00	EA	2,000
	TotalizngFlwmtr-E.BankWildcatCrk	1.00	EA	2,000
	TotalizingFlowmeter-Millbrook La	1.00	EA	2,000
	TotalizngFlwmtr-W.Markland Ave	1.00	EA	2,000
	Infared Remote	1.00	EA	400
Pump House				
	Pump House	4.00	EA	56,000
	Concrete Pad	4.00	EA	8,440
	Pump House Placement	4.00	EA	1,200
	Pump House Placement	4.00	EA	0
Piping				
	HDPE Pipe	13000	LF	26,000
	Install Pipe in Trench	13000	LF	104,000
Mechanical				
	All Mat'l,Lbr,Equip-Installation	4.00	EA	66,000

		QUANTY	UOM	TOTAL COST
Electrical				
	All Mat'l,Lbr,Equip-Installation	4.00	EA	96,000
	Phone & Power Drop	4.00	EA	8,000
Surface Restoration				
	Grass	1.00	LS	5,000
	Asphalt	1.00	LS	5,000
Demobilize				
	Record Dwgs/Topo Information	1.00	MO	2,000
	Project Closeout	1.00	LS	5,000
	Demobilize Equipment	1.00	LS	3,000
Subcontractor Costs				
	Subcontractor G&A (11%)	1.00	LS	95,632
	Contractor Fee (4%)	1.00	LS	34,775
Project Management Costs				
	Engineering Project Mgmt (10%)	1.00	LS	86,938
	Contingency (15%)	1.00	LS	130,407
TOTAL	Sitewide Groundwater (OU1)			1,217,132

		QUANTITY	UOM	UNIT COST	TOTAL COST
01	Preconstruction Submittals	1.00	EA	105000.00	105,000
02	Field Management for Sitewide GW	1.00	EA	106810.00	106,810
03	Well Installation	1.00	EA	245920.00	245,920
04	Instrumentation	1.00	EA	26010.00	26,010
05	Pump House	1.00	EA	65640.00	65,640
06	Piping	1.00	EA	130000.00	130,000
07	Mechanical	1.00	EA	66000.00	66,000
08	Electrical	1.00	EA	104000.00	104,000
09	Surface Restoration	1.00	EA	10000.00	10,000
10	Demobilize	1.00	EA	10000.00	10,000
11	Subcontractor Costs	1.00	EA	130407.00	130,407
12	Project Management Costs	1.00	EA	217345.00	217,345
TOTAL	Sitewide Groundwater (OU1)	1.00	EA	1217132.00	1,217,132