

**Appendix G**  
**Cost Estimating Worksheet**  
**Glove Bag Only**  
**Quincy Smelter Site**  
**Asbestos Abatement Assessment**  
**December 2004**

Building Number	Building Name	Location	ACM Type	Amount	Units	Friable?	Gross Removal With Critical Seals	Glove Bag Only
2	Dockside Warehouse	Main floor	Pipe insulation	220	LF	Yes		\$3,300.00
		Loft area	Pipe insulation in crates	300	LF	Yes	\$2,000.00	
		Changing area	Baseboard seam	10	SF	Yes	\$300.00	
2	Dockside Warehouse (additional items)	Throughout building	ACM debris	1200	SF	Yes	\$6,000.00	
		First and second floor	Pipe insulation	70	LF	Yes	\$700.00	
		East side under collapsed roof	Drummed pipe insulation	100	SF	Yes	\$1,000.00	
Building 2 Subtotal								\$13,300.00
3	Laboratory	Site shed southwest corner	Heat shield	10	SF	Yes	\$250.00	
		Basement	Pipe insulation	60	LF	Yes		\$600.00
		By north door	Debris by north door	1	SF	Yes	\$100.00	
		Northwest room on east wall	Heat shield (thin)	5	SF	Yes	\$250.00	
		West side of building	Stack block insulation	20	SF	Yes	\$500.00	
3	Laboratory (debris)	First and basement floor	Debris	250	SF	Yes	\$1,250.00	
Building 3 Subtotal								\$2,950.00
6	No. 5 Reverberatory Furnace Building	Northeast side on floor	Pipe insulation (aircell)	20	LF	Yes		\$300.00
		Along north wall	Pipe insulation (mag)	30	LF	Yes		\$450.00
		West end on metal duct	Duct wrap	20	SF	Yes	\$400.00	
		Machine on southeast side	Coil wrap	25	SF	Yes	\$250.00	
6	No. 5 Reverberatory Furnace Building (Debris)	Throughout building	Debris	250	SF	Yes	\$1,250.00	
Building 6 Subtotal								\$2,650.00
7	Reverberatory Furnace Building	Middle of north wall	Pipe insulation (aircell)	30	LF	Yes		\$450.00
		Northeast corner under lift	Debris from pipe insulation (mag)	25	SF	Yes	\$250.00	
7	Reverberatory Furnace Building (debris)	Under piping	Debris	120	SF	Yes	\$600.00	
Building 7 Subtotal								\$1,300.00
11	Cooper Stock Building	First and second floors, and exterior	Pipe insulation bulk storage	230	LF	Yes	\$3,000.00	\$750.00
		Southwest corner on table	Gaskets	100	LF	Yes	\$300.00	
		Southwest corner on floor	Small hose	10	LF	Yes	\$100.00	
Building 11 Subtotal								\$4,150.00
14	Briquetting Plant	Main floor	Pipe insulation	50	LF	Yes		\$750.00
14	Briquetting Plant (debris)	Under piping	Debris	200	SF	Yes	\$1,000.00	
Building 14 Subtotal								\$1,750.00
15	Crushing Plant	Second level east wall	Block insulation	5	SF	Yes	\$200.00	
Building 15 Subtotal								\$200.00
16	Pump House	Main area, shed, and south exterior	Pipe insulation and Debris	225	LF	Yes	\$5,000.00	
Building 16 Subtotal								\$5,000.00
17	Cupola Furnace Building	North room	Pipe insulation (approx 5 large fittings)	200	LF	Yes		\$3,100.00
		North room	24" Valve insulation	50	SF	Yes	\$1,200.00	
17	Cupola Furnace Building (debris)	North room	Debris	800	SF	Yes	\$4,000.00	
Building 17 Subtotal								\$8,300.00

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18	Boiler House	Boiler room	Pipe insulation	500	LF	Yes		\$7,500.00
		Boiler room	Pipe joint insulation	30	LF	Yes		\$450.00
18	Boiler House (debris)	Boiler room	Debris	800	SF	Yes	\$4,000.00	
Building 18 Subtotal								\$11,950.00
19	Baden Hausen Boiler Building	Top of boiler room	Pipe insulation	15	LF	Yes		\$1,000.00
19	Baden Hausen Boiler Building (debris)	Top of boiler room	Debris	300	SF	Yes	\$300.00	
Building 19 Subtotal								\$1,300.00
20	Machine Shop	Second floor loft	Pipe insulation	50	LF	Yes		\$500.00
		Second floor loft northeast corner	Paper	50	SF	Yes	\$500.00	
Building 20 Subtotal								\$1,000.00
25	Barn	North end of barn and exterior	Pipe insulation	100	LF	Yes		\$1,500.00
Building 25 Subtotal								\$1,500.00
Abatement Total								\$55,350.00
10 % Markup for no power or water								\$5,535.00
Mobilization								\$5,000.00
3rd party air monitoring (10 Days @ \$900/day)								\$9,000.00
Structural engineer (10 days @ \$1200/day)								\$12,000.00
Total Estimated Cost								\$86,885.00

See assumptions listed in Section 5 of report text

LF = linear feet

SF = square feet

" = inches