

Appendix G  
 Cost Estimating Worksheet  
 Glove Bag with Some Wrap and Cut  
 Quincy Smelter Site  
 Asbestos Abatement Assessment  
 December 2004

| Building Number             | Building Name                                 | Location                              | ACM Type                                  | Amount | Units | Gross Removal With Critical Seals | Glove Bag with some Wrap and Cut |
|-----------------------------|---|---------------------------------------|---|--------|-------|-----------------------------------|----------------------------------|
| 2                           | Dockside Warehouse                            | Main floor                            | Pipe insulation                           | 220    | LF    |                                   | \$2,475.00                       |
|                             |   | Loft area                             | Pipe insulation in crates                 | 300    | LF    | \$2,000.00                        |                                  |
|                             |   | Changing area                         | Baseboard seam                            | 10     | SF    | \$300.00                          |                                  |
| 2                           | Dockside Warehouse (additional items)         | Throughout building                   | ACM debris                                | 1200   | SF    | \$6,000.00                        |                                  |
|                             |   | First and second floor                | Pipe insulation                           | 70     | LF    | \$700.00                          |                                  |
|                             |   | East side under collapsed roof        | Drummed pipe insulation                   | 100    | SF    | \$1,000.00                        |                                  |
| <b>Building 2 Subtotal</b>  |   |                                       |   |        |       |                                   | <b>\$12,475.00</b>               |
| 3                           | Laboratory                                    | Site shed southwest corner            | Heat shield                               | 10     | SF    | \$250.00                          |                                  |
|                             |   | Basement                              | Pipe insulation                           | 60     | LF    |                                   | \$540.00                         |
|                             |   | By north door                         | Debris by north door                      | 1      | SF    | \$100.00                          |                                  |
|                             |   | Northwest room on east wall           | Heat shield (thin)                        | 5      | SF    | \$250.00                          |                                  |
|                             |   | West side of building                 | Stack block insulation                    | 20     | SF    | \$500.00                          |                                  |
| 3                           | Laboratory (debris)                           | First and basement floor              | Debris                                    | 250    | SF    | \$1,250.00                        |                                  |
| <b>Building 3 Subtotal</b>  |   |                                       |   |        |       |                                   | <b>\$2,890.00</b>                |
| 6                           | No. 5 Reverberatory Furnace Building          | Northeast side on floor               | Pipe insulation (aircell)                 | 20     | LF    |                                   | \$225.00                         |
|                             |   | Along north wall                      | Pipe insulation (mag)                     | 30     | LF    |                                   | \$338.00                         |
|                             |   | West end on metal duct                | Duct wrap                                 | 20     | SF    | \$400.00                          |                                  |
|                             |   | Machine on southeast side             | Coil wrap                                 | 25     | SF    | \$250.00                          |                                  |
| 6                           | No. 5 Reverberatory Furnace Building (Debris) | Throughout building                   | Debris                                    | 250    | SF    | \$1,250.00                        |                                  |
| <b>Building 6 Subtotal</b>  |   |                                       |   |        |       |                                   | <b>\$2,463.00</b>                |
| 7                           | Reverberatory Furnace Building                | Middle of north wall                  | Pipe insulation (aircell)                 | 30     | LF    |                                   | \$450.00                         |
|                             |   | Northeast corner under lift           | Debris from pipe insulation (mag)         | 25     | SF    | \$250.00                          |                                  |
| 7                           | Reverberatory Furnace Building (debris)       | Under piping                          | Debris                                    | 120    | SF    | \$600.00                          |                                  |
| <b>Building 7 Subtotal</b>  |   |                                       |   |        |       |                                   | <b>\$1,300.00</b>                |
| 11                          | Cooper Stock Building                         | First and second floors, and exterior | Pipe insulation bulk storage              | 230    | LF    | \$3,000.00                        | \$565.00                         |
|                             |   | Southwest corner on table             | Gaskets                                   | 100    | LF    | \$300.00                          |                                  |
|                             |   | Southwest corner on floor             | Small hose                                | 10     | LF    | \$100.00                          |                                  |
| <b>Building 11 Subtotal</b> |   |                                       |   |        |       |                                   | <b>\$3,965.00</b>                |
| 14                          | Briquetting Plant                             | Main floor                            | Pipe insulation                           | 50     | LF    |                                   | \$750.00                         |
| 14                          | Briquetting Plant (debris)                    | Under piping                          | Debris                                    | 200    | SF    | \$1,000.00                        |                                  |
| <b>Building 14 Subtotal</b> |   |                                       |   |        |       |                                   | <b>\$1,750.00</b>                |
| 15                          | Crushing Plant                                | Second level east wall                | Block insulation                          | 5      | SF    | \$200.00                          |                                  |
| <b>Building 15 Subtotal</b> |   |                                       |   |        |       |                                   | <b>\$200.00</b>                  |
| 16                          | Pump House                                    | Main area, shed, and south exterior   | Pipe insulation and Debris                | 225    | LF    | \$5,000.00                        |                                  |
| <b>Building 16 Subtotal</b> |   |                                       |   |        |       |                                   | <b>\$5,000.00</b>                |
| 17                          | Cupola Furnace Building                       | North room                            | Pipe insulation (approx 5 large fittings) | 200    | LF    |                                   | \$2,325.00                       |
|                             |   | North room                            | 24" Valve insulation                      | 50     | SF    | \$1,200.00                        |                                  |
| 17                          | Cupola Furnace Building (debris)              | North room                            | Debris                                    | 800    | SF    | \$4,000.00                        |                                  |
| <b>Building 17 Subtotal</b> |   |                                       |   |        |       |                                   | <b>\$7,525.00</b>                |

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|--|---------------------------------------|------------------------------------|-----------------------|--------|-------|-----------------------------------|----------------------------------|
| 18   | Boiler House                          | Boiler room                        | Pipe insulation       | 500    | LF    |                                   | \$7,500.00                       |
|  |                                       | Boiler room                        | Pipe joint insulation | 30     | LF    |                                   | \$450.00                         |
| 18   | Boiler House (debris)                 | Boiler room                        | Debris                | 800    | SF    | \$4,000.00                        |                                  |
| <b>Building 18 Subtotal</b>                    |                                       |                                    |                       |        |       |                                   | <b>\$11,950.00</b>               |
| 19   | Baden Hausen Boiler Building          | Top of boiler room                 | Pipe insulation       | 15     | LF    |                                   | \$1,000.00                       |
| 19   | Baden Hausen Boiler Building (debris) | Top of boiler room                 | Debris                | 300    | SF    | \$300.00                          |                                  |
| <b>Building 19 Subtotal</b>                    |                                       |                                    |                       |        |       |                                   | <b>\$1,300.00</b>                |
| 20   | Machine Shop                          | Second floor loft                  | Pipe insulation       | 50     | LF    |                                   | \$500.00                         |
|  |                                       | Second floor loft northeast corner | Paper                 | 50     | SF    | \$500.00                          |                                  |
| <b>Building 20 Subtotal</b>                    |                                       |                                    |                       |        |       |                                   | <b>\$1,000.00</b>                |
| 25   | Barn                                  | North end of barn and exterior     | Pipe insulation       | 100    | LF    |                                   | \$1,000.00                       |
| <b>Building 25 Subtotal</b>                    |                                       |                                    |                       |        |       |                                   | <b>\$1,000.00</b>                |
| <b>Abatement Total</b>                         |                                       |                                    |                       |        |       |                                   | <b>\$52,818.00</b>               |
| 10 % Markup for no power or water              |                                       |                                    |                       |        |       |                                   | \$5,281.80                       |
| Mobilization                                   |                                       |                                    |                       |        |       |                                   | \$5,000.00                       |
| 3rd Party Air Monitoring (10 Days @ \$900/day) |                                       |                                    |                       |        |       |                                   | \$9,000.00                       |
| Structural Engineer (10 days @ \$1200/day)     |                                       |                                    |                       |        |       |                                   | \$12,000.00                      |
| <b>Total Estimated Cost</b>                    |                                       |                                    |                       |        |       |                                   | <b>\$84,099.80</b>               |

See assumptions listed in Section 5 of report text

LF = linear feet

SF = square feet

" = inches