Table 17. Cost Estimate for Demolition of Facilities Associated with the Bulk Flotation Process Upgrade.

Inside existing buildings[1]	Length/ea	Width/dia	Height	Square Feet	Cubic Feet	Steel Conversion	Pounds of Steel	Tons of Steel	Cubic yards Hard
Mechanical Scavenger Flotation Blower (inside existing flotation building)	12.0	5.0	6.0	60.0	360.0	40.0	2400.0	1.2	4.4
8 column flotation cells (inside existing flotation building)	8.0	14.0	32.0	1232.0	39424.0	80.0	98560.0	49.3	193.9
Outside[1]									
New rougher concentrate regrind mill building	62.0	45.0	88.0	2790.0	245520.0	75.0	209250.0	104.6	516.7
Mechanical scavenger building	161.0	50.0	72.0	8050.0	579600.0	75.0	603750.0	301.9	1113.6
New MCC building	68.0	31.0	20.0	2108.0	42160.0	50.0	105400.0	52.7	117.1
New compressor	40.0	21.5	20.0	860.0	17200.0	25.0	21500.0	10.8	39.8
New Reco tank	36.0	22.0	3.0	792.0	2376.0	20.0	15840.0	7.9	66.0

Inside existing buildings[1]	Cost per Square	Square Feet	Sub-Total	Cost Per Cubic	Cubic Yard	Sub-Total	Total Cost
Mechanical Scavenger Flotation Blower (inside existing flotation building)	$ 4.65	60.0	$ 279.00	$ 92.70	4.4	$ 412.00	$ 691.00
8 column flotation cells (inside existing flotation building)	$ 4.65	1232.0	$ 5,728.80	$ 92.70	193.9	$ 17,976.93	$ 23,705.73
Outside[1]							
New rougher concentrate regrind mill building	$ 4.65	2790.0	$ 12,973.50	$ 92.70	516.7	$ 47,895.00	$ 60,868.50
Mechanical scavenger building	$ 4.65	8050.0	$ 37,432.50	$ 92.70	1113.6	$ 103,229.18	$ 140,661.68
New MCC building	$ 4.65	2108.0	$ 9,802.20	$ 92.70	117.1	$ 10,856.20	$ 20,658.40
New compressor	$ 4.65	860.0	$ 3,999.00	$ 92.70	39.8	$ 3,690.83	$ 7,689.83
New Reco tank	$ 4.65	792.0	$ 3,682.80	$ 92.70	66.0	$ 6,118.20	$ 9,801.00
Other[1,2]		unit	unit cost				
Mobilization	1.0	lump	5,000			$ 5,000.00	$ 5,000.00
Utility Disconnects	1.0	lump	2,500			$ 2,500.00	$ 2,500.00
Environmental Cleaning	236250.0	gallon	$ 0.75			$ 177,187.50	$ 177,187.50
Reclamation	18000.0	sq ft	$ 0.15			$ 2,700.00	$ 2,700.00
Total[3]							**$ 451,463.64**
Contingency[4]							**$ 496,610.01**
Escalated to 2008[5]							**$ 501,735.02**

NOTES

1. Contractor Based Cost Estimate
2. Some of these costs are already included in the original 1991 demolition/reclamation cost estimate (potential double estimate for facility).
3. Total in 2007 dollars. Does not include credit for salvage value
4. Contingency of 10% added (DOGM)
5. Demolition cost estimate escalated to the next 5-year surety review year (2008). A price inflation of 1.032% has been used (DOGM) based on the average means historical cost index for site construction, national average, based on previous 3 year average.

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