



INTERNATIONAL
URANIUM (USA)
CORPORATION

Independence Plaza, Suite 950 • 1050 Seventeenth Street • Denver, CO 80265 • 303 628 7798 (main) • 303 389 4125 (fax)

August 5, 2002

40-8681

VIA OVERNIGHT MAIL

U. S. Nuclear Regulatory Commission
Mr. William von Till, Project Manager
Fuel Cycle Licensing Branch
Mail Stop T-8A33
Two White Flint North
11545 Rockville Pike
Rockville, MD 20852

Dear Mr. von Till:

Pursuant to our conversation, I am providing additional information on the basis and methodology for calculation of certain cost items in the annual update of the White Mesa Reclamation Cost Estimate. The two items discussed here relate to the subcontractor cost for drilling and blasting of the sandstone material in the Cell II outfall channel, and the procedure for calculation of #2 diesel fuel for off-road construction equipment.

The estimated cost for drilling and blasting the sandstone material in the Cell II outfall channel was obtained from a contractor quote for a project with similar working conditions and drilling depths. The contractor quote was for \$0.75 per bank cubic yard (BCY). Because the contractor quote was obtained approximately one year earlier than the date of this annual update, we conservatively increased the estimated cost by 20%, to \$0.90 per BCY.

The cost for #2 diesel fuel used in the reclamation cost estimate has historically been obtained from local vendors currently supplying fuel to the site. Because these quotes are normally good for only a relatively short period of time, we are proposing to use a historical average of fuel costs as published by the U. S. Department of Labor, Bureau of Labor Statistics. For purposes of the current cost estimate, and all estimates going forward, we will use a 3-year rolling average of the Producer Price Index-Commodities for #2 Diesel fuel. The fuel cost will be calculated by taking the average cost for the 36 individual months prior to the month in which the estimate is being updated. While the 36 month average cost will most likely never be exactly the same as the current month's cost, use of the average cost for the reclamation cost estimate should give the NRC additional confidence in the overall estimate. For your reference, I have attached a

NMSOIRblic

current copy of the Producer Price Index for #2 diesel fuel for the period of January 1992 to June 2002. The four most recent months are preliminary numbers. Based on this data the three-year average fuel cost which is utilized in the revised estimate is \$0.785 per gallon. Also attached are copies of the revised cost estimate summary sheets. The total revised estimated reclamation cost is \$10,336,283.

I hope you concur with these revisions and clarifications to the Reclamation Cost Estimate for the White Mesa Mill. If you have any questions, please feel free to contact me at (303) 389-4160.

Very truly yours,

A handwritten signature in black ink, appearing to read "Harold R. Roberts", with a stylized flourish at the end.

Harold R. Roberts
Vice President – Corporate Development

cc: Ron Hochstein, IUSA
David Frydenlund, IUSA
Michelle Rehmann, IUSA
T. Kenneth Miyoshi, IUSA
Ron E. Berg, IUSA



U.S. Department of Labor

Bureau of Labor Statistics

Bureau of Labor Statistics Data



www.bls.gov

[Search](#) | [A-Z Index](#)

[BLS Home](#) | [Programs & Surveys](#) | [Get Detailed Statistics](#) | [Glossary](#) | [What's New](#) | [Find It! In DOL](#)

Change
Output
Options:

From: To:

☐ include graphs **NEW!**

[More Formatting Options](#) ➔

Data extracted on: July 31, 2002 (10:24:18 AM)

Producer Price Index-Commodities

Original Data Value

Series Id: WPU057303

Not Seasonally Adjusted

Group: Fuels and related products and power

Item: #2 diesel fuel

Base Date: 8200

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1992	55.0	57.0	56.2	58.6	62.1	65.6	65.0	63.7	65.4	68.0	65.2	60.9	61.9
1993	60.6	60.3	63.1	63.2	63.4	61.6	57.7	55.2	60.8	66.5	63.0	51.2	60.5
1994	51.4	56.6	56.9	54.6	54.8	54.2	56.4	57.4	57.7	58.4	59.5	54.2	56.0
1995	54.0	53.1	55.0	58.2	59.4	56.8	53.7	56.0	58.5	58.8	59.7	60.2	57.0
1996	62.2	59.4	62.6	75.4	74.5	64.9	66.1	66.6	74.7	80.2	77.0	76.0	70.0
1997	73.2	73.1	66.5	66.1	63.6	61.0	57.7	62.1	61.3	64.7	65.8	58.9	64.5
1998	53.9	51.3	47.6	50.0	50.0	45.8	44.7	44.4	48.1	47.3	46.1	39.0	47.4
1999	40.2	38.1	43.2	53.1	53.0	53.5	59.8	65.6	68.8	67.5	71.9	72.7	57.3
2000	76.1	86.1	90.0	84.1	82.8	85.7	89.5	92.1	110.8	110.0	110.4	101.6	93.3
2001	96.7	92.4	83.5	86.4	93.1	90.2	81.6	82.0	91.6	75.9	71.3	56.2	83.4
2002	58.9	60.0	69.4 (P)	77.9 (P)	74.2 (P)	73.3 (P)							

P : Preliminary. All indexes are subject to revision four months after original publication.

[Frequently Asked Questions](#) | [Freedom of Information Act](#) | [Customer Survey](#)
[Privacy & Security Statement](#) | [Linking to Our Site](#) | [Accessibility Information](#)

WHITE MESA MILL RECLAMATION COST ESTIMATE
February 2002

Mill Decommissioning		\$1,667,129
Cell 2		\$1,119,103
Cell 3		\$1,571,125
Cell 4A		\$125,766
Cell 1		\$1,220,789
Miscellaneous		\$1,921,104
Subtotal Direct Costs		<u>\$7,625,017</u>
Profit Allowance	10.00%	\$762,502
Contingency	15.00%	\$1,143,753
Licensing & Bonding	2.00%	\$152,500
Long Term Care Fund		\$652,511
Total Reclamation		<u>\$10,336,283</u>
Revised Bond Amount		<u><u>\$10,336,283</u></u>

MILL DECOMMISSIONING

MILL DECOMMISSIONING

Mill Building Demolition

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	720	\$12,757
Mechanics	hrs	\$13.86	640	\$8,872
Laborers	hrs	\$10.35	320	\$3,311
Small Tools	hrs	\$1.25	960	\$1,200
Cat 769 Haul Truck	hrs	\$64.58	640	\$41,330
Truck Drivers	hrs	\$12.74	640	\$8,154
Cat 988 Loader	hrs	\$99.22	160	\$15,875
Cat 375 Excavator	hrs	\$121.53	160	\$19,444
PC-400 with Shears	hrs	\$161.91	160	\$25,905
65 Ton Crane	hrs	\$59.28	160	\$9,485
30 Ton Crane	hrs	\$38.31	80	\$3,065
Equipment Maintenance (Butler)	hrs	\$12.08	1,360	\$16,433
Concrete Removal	sf	\$3.30	37,500	\$123,750

Total Mill Building Demolition

\$289,582

Ore Feed Demolition

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	48	\$850
Mechanics	hrs	\$13.86	64	\$887
Laborers	hrs	\$10.35	32	\$331
Small Tools	hrs	\$1.25	96	\$120
Cat 769 Haul Truck	hrs	\$64.58	64	\$4,133
Truck Drivers	hrs	\$12.74	64	\$815
Cat 988 Loader	hrs	\$99.22	16	\$1,588
Cat 375 Excavator	hrs	\$121.53	16	\$1,944
PC-400 with Shears	hrs	\$161.91	16	\$2,591
30 Ton Crane	hrs	\$38.31		\$0
Equipment Maintenance (Butler)	hrs	\$12.08	112	\$1,353

Total Ore Feed Demolition

\$14,613

SX Building Demolition

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	240	\$4,252
Mechanics	hrs	\$13.86	320	\$4,436
Laborers	hrs	\$10.35	160	\$1,655
Small Tools	hrs	\$1.25	480	\$600
Cat 769 Haul Truck	hrs	\$64.58	320	\$20,665
Truck Drivers	hrs	\$12.74	320	\$4,077
Cat 988 Loader	hrs	\$99.22	80	\$7,938
Cat 375 Excavator	hrs	\$121.53	80	\$9,722
PC-400 with Shears	hrs	\$161.91	80	\$12,953
65 Ton Crane	hrs	\$59.28		\$0
30 Ton Crane	hrs	\$38.31		\$0
Equipment Maintenance (Butler)	hrs	\$12.08	560	\$6,767
Concrete Removal	sf	\$3.30	55,970	\$184,701

Total SX Building Demolition

\$257,766

MILL DECOMMISSIONING

CCD Circuit Removal

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	135	\$2,392
Mechanics	hrs	\$13.86	120	\$1,664
Laborers	hrs	\$10.35	60	\$621
Small Tools	hrs	\$1.25	180	\$225
Cat 769 Haul Truck	hrs	\$64.58	120	\$7,749
Truck Drivers	hrs	\$12.74	120	\$1,529
Cat 988 Loader	hrs	\$99.22	30	\$2,977
Cat 375 Excavator	hrs	\$121.53	30	\$3,646
PC-400 with Shears	hrs	\$161.91	30	\$4,857
65 Ton Crane	hrs	\$59.28	30	\$1,778
30 Ton Crane	hrs	\$38.31	15	\$575
Equipment Maintenance (Butler)	hrs	\$12.08	255	\$3,081
Concrete Removal	sf	\$3.30	15,000	\$49,500

Total CCD Circuit Removal

\$80,593

Sample Plant Removal

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	24	\$425
Mechanics	hrs	\$13.86	32	\$444
Laborers	hrs	\$10.35	16	\$166
Small Tools	hrs	\$1.25	48	\$60
Cat 769 Haul Truck	hrs	\$64.58	32	\$2,067
Truck Drivers	hrs	\$12.74	32	\$408
Cat 988 Loader	hrs	\$99.22	8	\$794
Cat 375 Excavator	hrs	\$121.53	8	\$972
PC-400 with Shears	hrs	\$161.91	8	\$1,295
30 Ton Crane	hrs	\$38.31		\$0
Equipment Maintenance (Butler)	hrs	\$12.08	56	\$677
Concrete Removal	sf	\$3.30	4,200	\$13,860

Total Sample Plant Removal

\$21,167

Boiler Demolition

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	120	\$2,126
Mechanics	hrs	\$13.86	160	\$2,218
Laborers	hrs	\$10.35	80	\$828
Small Tools	hrs	\$1.25	240	\$300
Cat 769 Haul Truck	hrs	\$64.58	160	\$10,333
Truck Drivers	hrs	\$12.74	160	\$2,038
Cat 988 Loader	hrs	\$99.22	40	\$3,969
Cat 375 Excavator	hrs	\$121.53	40	\$4,861
PC-400 with Shears	hrs	\$161.91	40	\$6,476
65 Ton Crane	hrs	\$59.28		\$0
30 Ton Crane	hrs	\$38.31		\$0
Equipment Maintenance (Butler)	hrs	\$12.08	280	\$3,383
Concrete Removal	sf	\$3.30	2,900	\$9,570

Total Boiler Demolition

\$46,103

MILL DECOMMISSIONING

Vanadium Oxidation Circuit Removal

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	48	\$850
Mechanics	hrs	\$13.86	64	\$887
Laborers	hrs	\$10.35	32	\$331
Small Tools	hrs	\$1.25	96	\$120
Cat 769 Haul Truck	hrs	\$64.58	64	\$4,133
Truck Drivers	hrs	\$12.74	64	\$815
Cat 988 Loader	hrs	\$99.22	16	\$1,588
Cat 375 Excavator	hrs	\$121.53	16	\$1,944
PC-400 with Shears	hrs	\$161.91	16	\$2,591
65 Ton Crane	hrs	\$59.28		\$0
30 Ton Crane	hrs	\$38.31		\$0
Equipment Maintenance (Butler)	hrs	\$12.08	112	\$1,353
Concrete Removal	sf	\$3.30	1,200	\$3,960

Total Vanadium Oxidation Circuit Removal

\$18,573

Main Shop/Warehouse Demolition

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	96	\$1,701
Mechanics	hrs	\$13.86	128	\$1,774
Laborers	hrs	\$10.35	64	\$662
Small Tools	hrs	\$1.25	192	\$240
Cat 769 Haul Truck	hrs	\$64.58	128	\$8,266
Truck Drivers	hrs	\$12.74	128	\$1,631
Cat 988 Loader	hrs	\$99.22	32	\$3,175
Cat 375 Excavator	hrs	\$121.53	32	\$3,889
PC-400 with Shears	hrs	\$161.91	32	\$5,181
Equipment Maintenance (Butler)	hrs	\$12.08	224	\$2,707
Concrete Removal	sf	\$3.30	19,300	\$63,690

Total Main Shop/Warehouse Demolition

\$92,916

Office Building Demolition

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	72	\$1,276
Mechanics	hrs	\$13.86	96	\$1,331
Laborers	hrs	\$10.35	48	\$497
Small Tools	hrs	\$1.25	144	\$180
Cat 769 Haul Truck	hrs	\$64.58	96	\$6,200
Truck Drivers	hrs	\$12.74	96	\$1,223
Cat 988 Loader	hrs	\$99.22	24	\$2,381
Cat 375 Excavator	hrs	\$121.53	24	\$2,917
PC-400 with Shears	hrs	\$161.91	24	\$3,886
Equipment Maintenance (Butler)	hrs	\$12.08	168	\$2,030
Concrete Removal	sf	\$1.25	12,100	\$15,125

Total Office Building Demolition

\$37,045

MILL DECOMMISSIONING

Misc. Tankage & Spare Parts Removal

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	24	\$425
Mechanics	hrs	\$13.86	32	\$444
Laborers	hrs	\$10.35	16	\$166
Small Tools	hrs	\$1.25	48	\$60
Cat 769 Haul Truck	hrs	\$64.58	32	\$2,067
Truck Drivers	hrs	\$12.74	32	\$408
Cat 988 Loader	hrs	\$99.22	8	\$794
Cat 375 Excavator	hrs	\$121.53	8	\$972
PC-400 with Shears	hrs	\$161.91	8	\$1,295
Equipment Maintenance (Butler)	hrs	\$12.08	56	\$677
Concrete Removal	sf	\$1.25		\$0

Total Misc. Tankage & Spare Parts Removal

\$7,307

Mill Yard Decontamination

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	582	\$10,312
Cat 637 Scraper	hrs	\$144.64	257	\$37,171
Cat 988 Loader	hrs	\$99.22	65	\$6,449
Cat D8N Dozer With Ripper	hrs	\$69.69	65	\$4,530
Cat D7 Dozer	hrs	\$58.45	65	\$3,799
Cat 651 Waterwagon	hrs	\$72.48	65	\$4,711
Cat 14G Motorgrader	hrs	\$48.03	65	\$3,122
Equipment Maintenance (Butler)	hrs	\$12.08	582	\$7,032

Total Mill Yard Decontamination

\$77,127

Ore Storage Pad Decontamination

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	429	\$7,601
Cat 637 Scraper	hrs	\$144.64	189	\$27,336
Cat 988 Loader	hrs	\$99.22	48	\$4,763
Cat D8N Dozer With Ripper	hrs	\$69.69	48	\$3,345
Cat D7 Dozer	hrs	\$58.45	48	\$2,806
Cat 651 Waterwagon	hrs	\$72.48	48	\$3,479
Cat 14G Motorgrader	hrs	\$48.03	48	\$2,305
Equipment Maintenance (Butler)	hrs	\$12.08	429	\$5,184

Total Ore Storage Pad Decontamination

\$56,818

Equipment Storage Area Cleanup

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	154	\$2,729
Cat 637 Scraper	hrs	\$144.64	69	\$9,980
Cat 988 Loader	hrs	\$99.22	17	\$1,687
Cat D8N Dozer With Ripper	hrs	\$69.69	17	\$1,185
Cat D7 Dozer	hrs	\$58.45	17	\$994
Cat 651 Waterwagon	hrs	\$72.48	17	\$1,232
Cat 14G Motorgrader	hrs	\$48.03	17	\$817
Equipment Maintenance (Butler)	hrs	\$12.08	154	\$1,861

Total Equipment Storage Area Cleanup

\$20,483

MILL DECOMMISSIONING

Revegetate Mill Yard & Ore Pad

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	231	\$4,093
Cat 637 Scraper	hrs	\$144.64	132	\$19,092
Cat 988 Loader	hrs	\$99.22	0	\$0
Cat D8N Dozer With Ripper	hrs	\$69.69	33	\$2,300
Cat D7 Dozer	hrs	\$58.45	33	\$1,929
Cat 651 Waterwagon	hrs	\$72.48		\$0
Cat 14G Motorgrader	hrs	\$48.03	33	\$1,585
Equipment Maintenance (Butler)	hrs	\$12.08	231	\$2,791

Total Revegetate Mill Yard & Ore Pad **\$31,789**

Total Demolition and Decontamination **\$1,051,881**

CLEANUP OF WINDBLOWN CONTAMINATION

Scoping Survey

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Soil Samples	each	\$50.00	100	\$5,000
Survey Crew	hrs	\$13.32	752	\$10,018
Sample Crew	hrs	\$13.32	1,312	\$17,479

Total Scoping Survey **\$32,497**

Characterization Survey

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Soil Samples	each	\$50.00	472	\$23,600
Sample Crew	hrs	\$13.32	1,136	\$15,134

Total Characterization Survey **\$38,734**

Final Status Survey

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Soil Samples	each	\$50.00	300	\$15,000
Sample Crew	hrs	\$13.32	3,552	\$47,320

Total Final Status Survey **\$62,320**

Windblown Cleanup

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	1,190	\$21,084
Cat 637 Scraper	hrs	\$144.64	680	\$98,352
Cat D8N Dozer With Ripper	hrs	\$69.69	170	\$11,847
Cat D7 Dozer	hrs	\$58.45	170	\$9,936
Cat 14H Motorgrader	hrs	\$48.03	170	\$8,165
Soil Samples	each	\$50.00	500	\$25,000
Survey Crew	hrs	\$13.32	163	\$2,172
Sample Crew	hrs	\$13.32	83	\$1,106
Equipment Maintenance (Butler)	hrs	\$12.08	1,190	\$14,379

Total Windblown Cleanup **\$192,041**

Quality Control

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Quality Control Contractor	hrs	\$62.00	2,080	\$128,960

Total Quality Control **\$128,960**

Total Cleanup Windblown Contamination **\$454,552**

MILL DECOMMISSIONING

Alternate Feed Disposal

Linde, Ashland & Heritage Material

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	1,255	\$22,237
Cat 769 Haul Truck (3)	hrs	\$64.58	772	\$49,842
Cat 988 Loader	hrs	\$99.22	257	\$25,526
Cat 651 Waterwagon	hrs	\$72.48	176	\$12,756
Cat 14G Motorgrader	hrs	\$48.03	50	\$2,402
Equipment Maintenance (Butler)	hrs	\$12.08	1,255	\$15,165

Total Linde, Ashland & Heritage Material

\$127,929

Total Quantity 151,274 Cubic Yards
 196 Cubic Yards per Truck per hour
 772 Truck Hours

Cameco Barrels

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$12.74	316	\$4,024
Flat Bed Trailer and Tractor*	hrs	\$55.00	316	\$17,372
Fork Lift (2)	hrs	\$18.00	632	\$11,371

Total Cameco Barrels

\$32,767

* includes operator

31,586 Barrels
 40 Barrels per load
 0.4 Hours per load
 316 Truck Hours

Sub-Total Alternate Feed Disposal

\$160,696

TOTAL MILL DECOMMISSIONING

\$1,667,129

RECLAMATION OF CELL 2

RECLAMATION OF CELL 2

Obtain Permits for Clay Borrow Site - Section 16

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Permits & Licenses	ea	\$10,000.00	5	\$50,000

Total Obtain Permits for Clay Borrow Site - Section 16

\$50,000

Place Remainder of Bridging (Platform) Lift

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	178	\$3,154
Cat 627F Scraper	hrs	\$144.64	78	\$11,282
Cat 815C Compactor	hrs	\$66.89	20	\$1,338
Cat D8N Dozer With Ripper	hrs	\$69.69	20	\$1,394
Cat D7 Dozer	hrs	\$58.45	20	\$1,169
Cat 651 Waterwagon	hrs	\$72.48	20	\$1,450
Cat 14G Motorgrader	hrs	\$48.03	20	\$961
Equipment Maintenance (Butler)	hrs	\$12.08	178	\$2,151

Total Place Remainder of Bridging (Platform) Lift

\$22,897

Place Lower Random Fill (12")

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	902	\$15,981
Cat 637 Scraper	hrs	\$144.64	402	\$58,143
Cat 825 Compactor	hrs	\$66.89	100	\$6,689
Cat D8N Dozer With Ripper	hrs	\$69.69	100	\$6,969
Cat D7 Dozer	hrs	\$58.45	100	\$5,845
Cat 651 Waterwagon	hrs	\$72.48	100	\$7,248
Cat 14G Motorgrader	hrs	\$48.03	100	\$4,803
Equipment Maintenance (Butler)	hrs	\$12.08	902	\$10,899

Total Place Lower Random Fill (12")

\$116,577

Clay Layer

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	1,690	\$29,943
Cat 825 Compactor	hrs	\$66.89	320	\$21,403
Cat D8N Dozer With Ripper	hrs	\$69.69	300	\$20,906
Cat D7 Dozer	hrs	\$58.45	0	\$0
Cat 651 Waterwagon	hrs	\$72.48	300	\$21,744
Cat 14G Motorgrader	hrs	\$48.03	320	\$15,370
Cat 980 Loader	hrs	\$64.77	300	\$19,430
5000 Gallon Water Truck	hrs	\$41.29	150	\$6,193
Highway Trucks	hrs	\$40.00	2,400	\$96,000
Truck Drivers	hrs	\$12.74	2,400	\$30,577
Equipment Maintenance (Butler)	hrs	\$12.08	4,090	\$49,420

Total Place Clay Layer

\$310,986

RECLAMATION OF CELL 2

Upper Random Fill

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	1,990	\$35,258
Cat 637 Scraper	hrs	\$144.64	796	\$115,130
Cat 825 Compactor	hrs	\$66.89	199	\$13,310
Cat D8N Dozer With Ripper	hrs	\$69.69	199	\$13,868
Cat D7 Dozer	hrs	\$58.45	199	\$11,631
Cat 651 Waterwagon	hrs	\$72.48	199	\$14,424
Cat 14G Motorgrader	hrs	\$48.03	199	\$9,558
5000 Gallon Water Truck	hrs	\$41.29	199	\$8,216
Equipment Maintenance (Butler)	hrs	\$12.08	1,990	\$24,046

Total Place Upper Random Fill

\$245,441

Rock Armor

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	825	\$14,617
Cat D7 Dozer	hrs	\$58.45	275	\$16,074
Cat 651 Waterwagon	hrs	\$72.48	275	\$19,932
Cat 14G Motorgrader	hrs	\$48.03	275	\$13,209
Rock Cost Delivered	CY	\$3.54	66,200	\$234,303
Equipment Maintenance (Butler)	hrs	\$12.08	825	\$9,969

Total Place Rock Armor

\$308,103

Quality Control

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Quality Control Contractor	hrs	\$62.00	1,050	\$65,100

Total Quality Control

\$65,100

TOTAL RECLAMATION OF CELL 2

\$1,119,103

RECLAMATION OF CELL 3

RECLAMATION OF CELL 3

Dewatering of Cell 3

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Dewatering of Cell 3	hrs	\$0.48	62,400	\$30,000

Total Dewatering of Cell 3

\$30,000

Place Remainder of Bridging (Platform) Lift

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	1,582	\$28,025
Cat 637 Scraper	hrs	\$144.64	703	\$101,679
Cat 825 Compactor	hrs	\$66.89	176	\$11,755
Cat D8N Dozer With Ripper	hrs	\$69.69	176	\$12,247
Cat D7 Dozer	hrs	\$58.45	176	\$10,273
Cat 651 Waterwagon	hrs	\$72.48	176	\$12,738
Cat 14G Motorgrader	hrs	\$48.03	176	\$8,441
Equipment Maintenance (Butler)	hrs	\$12.08	1,582	\$19,113

Total Place Remainder of Bridging (Platform) Lift

\$204,271

Place Lower Random Fill (12")

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	1,745	\$30,913
Cat 637 Scraper	hrs	\$144.64	775	\$112,092
Cat 825 Compactor	hrs	\$66.89	194	\$12,959
Cat D8N Dozer With Ripper	hrs	\$69.69	194	\$13,519
Cat D7 Dozer	hrs	\$58.45	194	\$11,339
Cat 651 Waterwagon	hrs	\$72.48	194	\$14,061
Cat 14G Motorgrader	hrs	\$48.03	194	\$9,318
Equipment Maintenance (Butler)	hrs	\$12.08	1,745	\$21,082

Total Place Lower Random Fill (12")

\$225,284

Clay Layer

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	1,975	\$34,993
Cat 637 Scraper	hrs	\$144.64	0	\$0
Cat 825 Compactor	hrs	\$66.89	375	\$25,082
Cat D8N Dozer With Ripper	hrs	\$69.69	350	\$24,390
Cat D7 Dozer	hrs	\$58.45	0	\$0
Cat 651 Waterwagon	hrs	\$72.48	350	\$25,368
Cat 14G Motorgrader	hrs	\$48.03	375	\$18,012
Cat 980 Loader	hrs	\$64.77	350	\$22,668
5000 Gallon Water Truck	hrs	\$41.29	175	\$7,225
Highway Trucks	hrs	\$40.00	2,800	\$112,000
Truck Drivers	hrs	\$12.74	2,800	\$35,674
Equipment Maintenance (Butler)	hrs	\$12.08	4,775	\$57,697

Total Place Clay Layer

\$363,108

RECLAMATION OF CELL 3

Upper Random Fill

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	2,490	\$44,117
Cat 637 Scraper	hrs	\$144.64	996	\$144,057
Cat 825 Compactor	hrs	\$66.89	249	\$16,654
Cat D8N Dozer With Ripper	hrs	\$69.69	249	\$17,352
Cat D7 Dozer	hrs	\$58.45	249	\$14,554
Cat 651 Waterwagon	hrs	\$72.48	249	\$18,048
Cat 14G Motorgrader	hrs	\$48.03	249	\$11,960
5000 Gallon Water Truck	hrs	\$41.29	249	\$10,280
Equipment Maintenance (Butler)	hrs	\$12.08	2,490	\$30,087

Total Place Upper Random Fill

\$307,109

Rock Armor

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	948	\$16,796
Cat D7 Dozer	hrs	\$58.45	316	\$18,470
Cat 651 Waterwagon	hrs	\$72.48	316	\$22,904
Cat 14G Motorgrader	hrs	\$48.03	316	\$15,178
Rock Cost Delivered	CY	\$3.54	76,110	\$269,377
Equipment Maintenance (Butler)	hrs	\$12.08	948	\$11,455

Total Place Rock Armor

\$354,180

Quality Control

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Quality Control Contractor	hrs	\$62.00	1,406	\$87,172

Total Quality Control

\$87,172

TOTAL RECLAMATION OF CELL 3

\$1,571,125

CELL 4A CLEANUP

CELL 4A CLEANUP

Dewatering of Cell 4A

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Dewatering of Cell 4A	hrs	\$0.48	11,500	\$5,529

Total Dewatering of Cell 4A

\$5,529

Remove Fencing

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Cat 988 Loader	hrs	\$99.22	40	\$3,969
Equipment Operators	hrs	\$17.72	40	\$709
Equipment Maintenance (Butler)	hrs	\$12.08	40	\$483
Laborers	hrs	\$10.35	160	\$1,655

Total Remove Fencing

\$6,816

Remove Liner & Contaminated Material to Cell 3

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	303	\$5,368
Cat 769 Truck	hrs	\$64.58	606	\$39,135
Truck Driver	hrs	\$12.74	606	\$7,721
Cat 988 Loader	hrs	\$99.22	303	\$30,064
Equipment Maintenance (Butler)	hrs	\$12.08	909	\$10,984

Total Remove Liner & Contaminated Material to Cell 3

\$93,271

Quality Control

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Quality Control Contractor	hrs	\$62.00	325	\$20,150

Total Quality Control

\$20,150

TOTAL CELL 4A CLEANUP

\$125,766

RECLAMATION OF CELL 1

RECLAMATION OF CELL 1

Dewatering of Cell 1

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Dewatering of Cell 1	hrs	\$0.48	62,400	\$30,000

Total Dewatering of Cell 1

\$30,000

Crystal Removal

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	2,695	\$47,749
Cat 769 Truck	hrs	\$64.58	2,157	\$139,296
Truck Drivers	hrs	\$12.74	2,157	\$27,481
Cat 988 Loader	hrs	\$99.22	539	\$53,480
Cat D8N Dozer With Ripper	hrs	\$69.69	539	\$37,561
Cat 375 Excavator	hrs	\$121.53	539	\$65,503
Cat 651 Waterwagon	hrs	\$72.48	539	\$39,067
Cat 14G Motorgrader	hrs	\$48.03	539	\$25,889
Equipment Maintenance (Butler)	hrs	\$12.08	4,852	\$58,628

Total Crystal Removal

\$494,653

Contaminated Materials Removal

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	616	\$10,914
Cat 637 Scraper	hrs	\$144.64	308	\$44,548
Cat D8N Dozer With Ripper	hrs	\$69.69	77	\$5,366
Cat 825C Compactor	hrs	\$66.89	77	\$5,150
Cat 651 Waterwagon	hrs	\$72.48	77	\$5,581
Cat 14G Motorgrader	hrs	\$48.03	77	\$3,698
Equipment Maintenance (Butler)	hrs	\$12.08	616	\$7,443

Total Contaminated Materials Removal

\$82,700

Topsoil Application

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	240	\$4,252
Cat 637 Scraper	hrs	\$144.64	120	\$17,356
Cat D8N Dozer With Ripper	hrs	\$69.69	40	\$2,787
Cat 651 Waterwagon	hrs	\$72.48	40	\$2,899
Cat 14G Motorgrader	hrs	\$48.03	40	\$1,921
Equipment Maintenance (Butler)	hrs	\$12.08	240	\$2,900

Total Topsoil Application

\$32,116

RECLAMATION OF CELL 1

Construct Channel

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	858	\$15,202
Cat 637 Scraper	hrs	\$144.64	272	\$39,341
Cat 769 Truck	hrs	\$64.58	450	\$29,060
Truck Drivers	hrs	\$12.74	450	\$5,733
Cat 988 Loader	hrs	\$99.22	150	\$14,883
Drilling & Blasting Contractor	BCY	\$0.90	89,100	\$80,190
Cat 14G Motorgrader	hrs	\$48.03	218	\$10,471
Cat D8N Dozer With Ripper	hrs	\$69.69	218	\$15,192
Equipment Maintenance (Butler)	hrs	\$12.08	1,308	\$15,805

Total Construct Channel

\$225,876

Place Clay Liner

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	355	\$6,290
Cat 637 Scraper	hrs	\$144.64	0	\$0
Cat 825 Compactor	hrs	\$66.89	60	\$4,013
Cat D8N Dozer With Ripper	hrs	\$69.69	60	\$4,181
Cat D7 Dozer	hrs	\$58.45	0	\$0
Cat 651 Waterwagon	hrs	\$72.48	60	\$4,349
Cat 980 Loader	hrs	\$64.77	60	\$3,886
5000 Gallon Water Truck	hrs	\$41.29	30	\$1,239
Highway Trucks	hrs	\$40.00	435	\$17,400
Truck Drivers	hrs	\$12.74	435	\$5,542
Cat 14G Motorgrader	hrs	\$48.03	85	\$4,083
Equipment Maintenance (Butler)	hrs	\$12.08	1,580	\$19,091

Total Place Clay Liner

\$70,074

Place Lower Random Fill

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	602	\$10,666
Cat 637 Scraper	hrs	\$144.64	172	\$24,877
Cat 825 Compactor	hrs	\$66.89	86	\$5,752
Cat D8N Dozer With Ripper	hrs	\$69.69	86	\$5,993
Cat D7 Dozer	hrs	\$58.45	86	\$5,027
Cat 651 Waterwagon	hrs	\$72.48	86	\$6,233
Cat 14G Motorgrader	hrs	\$48.03	86	\$4,131
Equipment Maintenance (Butler)	hrs	\$12.08	602	\$7,274

Total Place Lower Random Fill

\$69,953

RECLAMATION OF CELL 1

Clay Cap

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	305	\$5,404
Cat 637 Scraper	hrs	\$144.64	0	\$0
Cat 825 Compactor	hrs	\$66.89	55	\$3,679
Cat D8N Dozer With Ripper	hrs	\$69.69	55	\$3,833
Cat D7 Dozer	hrs	\$58.45	0	\$0
Cat 651 Waterwagon	hrs	\$72.48	55	\$3,986
Cat 14G Motorgrader	hrs	\$48.03	55	\$2,642
Cat 980 Loader	hrs	\$64.77	55	\$3,562
5000 Gallon Water Truck	hrs	\$41.29	30	\$1,239
Highway Trucks	hrs	\$40.00	440	\$17,600
Truck Drivers	hrs	\$12.74	440	\$5,606
Equipment Maintenance (Butler)	hrs	\$12.08	305	\$3,685

Total Place Clay Cap

\$51,235

Upper Random Fill

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	688	\$12,190
Cat 637 Scraper	hrs	\$144.64	172	\$24,877
Cat 825 Compactor	hrs	\$66.89	86	\$5,752
Cat D8N Dozer With Ripper	hrs	\$69.69	86	\$5,993
Cat D7 Dozer	hrs	\$58.45	86	\$5,027
Cat 651 Waterwagon	hrs	\$72.48	86	\$6,233
Cat 14G Motorgrader	hrs	\$48.03	86	\$4,131
5000 Gallon Water Truck	hrs	\$41.29	86	\$3,551
Equipment Maintenance (Butler)	hrs	\$12.08	688	\$8,313

Total Place Upper Random Fill

\$76,067

RECLAMATION OF CELL 1

Rock Armor

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	90	\$1,595
Cat D7 Dozer	hrs	\$58.45	30	\$1,753
Cat 651 Waterwagon	hrs	\$72.48	30	\$2,174
Cat 14G Motorgrader	hrs	\$48.03	30	\$1,441
Rock Cost Delivered	CY	\$3.54	8,607	\$30,463
Equipment Maintenance (Butler)	hrs	\$12.08	90	\$1,087

Total Place Rock Armor

\$38,514

Quality Control

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Quality Control Contractor	hrs	\$62.00	800	\$49,600

Total Quality Control

\$49,600

TOTAL RECLAMATION OF CELL 1

\$1,220,789

MISCELLANEOUS ITEMS

MISCELLANEOUS ITEMS

Equipment Mobilization

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Butler Machinery Mobilization	LS	\$164,400.00	1	\$164,400
Other Equipment Mobilization	LS	\$2,500.00	1	\$2,500

Total Equipment Mobilization

\$166,900

Office Facilities

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Run New Powerline	LS	\$15,000.00	1	\$15,000
Utilities for Offices	months	\$1,000.00	36	\$36,000

Total Temporary Office Facilities

\$51,000

Wheel Wash Facility

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Laborers	hrs	\$10.35	8,320	\$86,084
Construct Wheel Wash Facility	LS	\$50,000.00	1	\$50,000
Facility constructed in 2000				(\$50,000)
Total Wheel Wash Facility				\$86,084

MANAGEMENT/SUPPORT

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Manager/Engineer	hrs	\$48.69	6,240	\$303,826
Radiation Safety Officer	hrs	\$37.87	6,240	\$236,309
Secretary	hrs	\$15.55	6,240	\$97,055
Clerk	hrs	\$12.85	4,866	\$62,522
Environmental Technician	hrs	\$20.29	4,866	\$98,719
Maintenance Foreman	hrs	\$27.73	6,240	\$173,012
Chemist	hrs	\$22.65	2,080	\$47,121
Security	hrs	\$8.12	18,720	\$151,913
Safety Engineer	hrs	\$20.29	4,160	\$84,396
Misc. Materials & Supplies	hrs	\$36.45	6,240	\$227,448
Health Physics Costs	hrs	\$64.81	2,080	\$134,800

Total Management/Support

\$1,617,120

TOTAL MISCELLANEOUS ITEMS

\$1,921,104

LABOR COSTS

Specified Wages

Heavy Construction		2002 Estimated Labor Rates**		13.97%	21.28%		
Labor Classification	Base Rate	Mandated Fringe	Labor Burden (FICA, SUI, FUI, etc.)	Company Benefits (medical, life insure, etc)	Fringe Costs	Labor Cost/HR	
Boiler Makers	\$19.60	\$8.76	\$2.74	no added cost	\$11.50	\$31.10	
Millwrights	\$20.82	\$4.28	\$2.91	\$0.15	\$7.34	\$28.16	
Ironworkers	\$20.52	\$8.11	\$2.87	no added cost	\$10.98	\$31.50	
Carpenters	\$10.81		\$1.51	\$2.30	\$3.81	\$14.62	
Cement Masons	\$11.52		\$1.61	\$2.45	\$4.06	\$15.58	
Electricians	\$14.52	\$2.71	\$2.03	\$0.38	\$5.12	\$19.64	
Ironworkers - Reinforcing	\$11.00		\$1.54	\$2.34	\$3.88	\$14.88	
Laborers (including pipelayers)	\$7.65	\$1.60	\$1.07	\$0.03	\$2.70	\$10.35	
Pipefitters	\$12.60		\$1.76	\$2.68	\$4.44	\$17.04	
<u>POWER EQUIPMENT OPERATORS</u>							
Backhoes	\$10.00		\$1.40	\$2.13	\$3.53	\$13.53	
Cranes	\$10.43		\$1.46	\$2.22	\$3.68	\$14.11	
Dozers	\$13.10		\$1.83	\$2.79	\$4.62	\$17.72	
Graders	\$12.67		\$1.77	\$2.70	\$4.47	\$17.14	
Loaders	\$11.26		\$1.57	\$2.40	\$3.97	\$15.23	
Scrapers	\$10.00		\$1.40	\$2.13	\$3.53	\$13.53	
Trackhoes	\$10.00		\$1.40	\$2.13	\$3.53	\$13.53	
Tractors	\$9.42		\$1.32	\$2.00	\$3.32	\$12.74	
Truck Drivers	\$9.42		\$1.32	\$2.00	\$3.32	\$12.74	

Note: base rates do not include FICA, worker comp, unemployment, or company benefits which increase the cost per hour

** State of Utah - General Decision - Current Update UT010009, 3 pages, 11/16/2001

LABOR COSTS

<u>Nonspecified Wages</u>	Base Rate	Mandated Fringe	Labor Burden (FICA, SUI, FUI, etc.)	Company Benefits (medical, life insure, etc)	Fringe Costs	Labor Cost/HR
Survey Crew Member	\$9.85	\$0.00	\$1.38	\$2.10	\$3.47	\$13.32
Sample Crew Member	\$9.85	\$0.00	\$1.38	\$2.10	\$3.47	\$13.32
Mechanic (Demolition)	\$10.25	\$0.00	\$1.43	\$2.18	\$3.61	\$13.86
Manager/Engineer	\$36.00	\$0.00	\$5.03	\$7.66	\$12.69	\$48.69
Radiation Safety Officer	\$28.00	\$0.00	\$3.91	\$5.96	\$9.87	\$37.87
Secretary	\$11.50	\$0.00	\$1.61	\$2.45	\$4.05	\$15.55
Clerk	\$9.50	\$0.00	\$1.33	\$2.02	\$3.35	\$12.85
Engineer	\$28.00	\$0.00	\$3.91	\$5.96	\$9.87	\$37.87
Environmental Technician	\$15.00	\$0.00	\$2.10	\$3.19	\$5.29	\$20.29
Safety Engineer	\$15.00	\$0.00	\$2.10	\$3.19	\$5.29	\$20.29
Maintenance Foreman	\$20.50	\$0.00	\$2.86	\$4.36	\$7.23	\$27.73
Security Personnel	\$6.00	\$0.00	\$0.84	\$1.28	\$2.12	\$8.12
Chemist	\$16.75	\$0.00	\$2.34	\$3.56	\$5.90	\$22.65

EQUIPMENT COSTS

WHITE MESA MILL RECLAMATION COST HOURLY EQUIPMENT COSTS 1999 DOLLARS

Actual equipment rates quoted from Butler Machinery 12 month rental period
February 20, 2002

	Units	RATE		MTCE	FUEL	FUEL @	TOTAL	Mob/Demob	Mob/Demob	Operating Hrs
		MONTHLY	HOURLY	EXPENDABLES	USAGE	\$0.785	COST	per machine	Totals	per Month
637E Scraper	4	21,700	123.30	2.50	24.0	18.84	\$144.64	\$12,750.00	\$51,000.00	704
D8R Dozer	1	10,800	61.36	1.65	8.5	6.67	\$69.69	\$8,200.00	\$8,200.00	176
D7R Dozer	1	9,100	51.70	1.25	7.0	5.50	\$58.45	\$7,100.00	\$7,100.00	176
825G Compactor	1	9,600	54.55	1.35	14.0	10.99	\$66.89	\$7,900.00	\$7,900.00	176
980 G Loader	1	9,900	56.25	1.45	9.0	7.07	\$64.77	\$7,700.00	\$7,700.00	176
988 F Loader	1	15,400	87.50	2.30	12.0	9.42	\$99.22	\$9,400.00	\$9,400.00	176
769D Haul Truck	4	9,700	55.11	2.40	9.0	7.07	\$64.58	\$7,800.00	\$31,200.00	704
375L Excavator	1	18,900	107.39	3.15	14.0	10.99	\$121.53	\$17,100.00	\$17,100.00	176
651 Water Wagon	1	9,900	56.25	2.10	18.0	14.13	\$72.48	\$8,500.00	\$8,500.00	176
5000 gal Water Truck	1	5,700	32.39	1.05	10.0	7.85	\$41.29	\$3,200.00	\$3,200.00	176
14H/Ripper Motor Grader	1	7,500	42.61	1.10	5.5	4.32	\$48.03	\$5,900.00	\$5,900.00	176
16H/Ripper Motor Grader	1	10,500	59.66	1.25	8.5	6.67	\$67.58	\$7,200.00	\$7,200.00	176

\$164,400.00 3,168

Equipment Rental Rate Quoted by Power Motive, Denver, Colorado (02/19/2002) for PC400 Kamatsu Excavator with LaBounty MSD 70R Shear

PC-400 w Shear	23,200.00	131.82	19.10	14.0	10.99	\$161.91	\$2,500.00
----------------	-----------	--------	-------	------	-------	----------	------------

Small tools allocation - Demolition -
\$1.25/mechanic labor hour for
oxygen/acetylene, expendables

\$1.25

Total Equipment Mobilization

\$166,900.00

	Monthly Maintenance Flat Rate	Planned Operating Hours/month	Availability Factor	Maintenance Cost per Operating Hour
Butler Equipment Maintenance Cost	\$35,600.00	3,168	0.93	\$12.08

	RATE		MTCE	FUEL	FUEL @	TOTAL
	MONTHLY	HOURLY	EXPENDABLES	USAGE	\$0.785	COST
Crane Rental Rates						
65 ton Hydraulic Crane	8,000	45.45	2.05	15.0	11.78	\$59.28
30 ton Hydraulic Crane	5,000	28.41	2.05	10.0	7.85	\$38.31

Rental Rates updated from Crane Services, Inc. 02/19/2002

ROCK PRODUCTION COST

Assumptions:

Rock is obtained from gravel source north of Blanding, Utah. BLM Public pit
 Rock is processed by screening only, no crushing is required, 1.25 CY of feed for 1 CY of product
 Rock is produced and stockpiled at the site
 Site is 7 road miles from the mill; 6 miles of which is paved public highway
 Rock will be hauled in 22 CY bellydump trucks, contract haulers (\$52.00/hr)
 Rock will be dumped in windrows on Tailings Cells by trucks, spread by grader, and compacted by D7 Dozer
 Trucks can average 30 MPH (1.75 rounds/hr)

	Product Required (CY)	Reject Factor	Material Feed to Plant (CY)	Plant Throughput (CY/hr)	Plant Operating Hours
Material fed to plant	146,000	25.0%	182,500	122	1,500

PRODUCTION OF RIPRAP

Resource Description	Units	Cost/Unit	Task Units	Task Cost
Equipment Operators	hrs	\$17.72	2,340	\$41,460
Laborer	hrs	\$10.35	1,500	\$15,520
Cat D8N Dozer With Ripper	hrs	\$69.69	365	\$25,435
Cat 980 Loader	hrs	\$64.77	1,975	\$127,911
Screening Plant w/conveyors*	hrs	\$53.69	1,500	\$80,540
Contract Highway Trucks - Bellydumps**	hrs	\$52.00	3,800	\$197,600
Equipment Maintenance (Butler)	hrs	\$12.08	2,340	\$28,275

Total Production of RipRap **\$516,740**

RIPRAP COST PER CUBIC YARD DELIVERED **\$3.54**

* Cost Quoted from Mr. Terry Berg, Power Motive Corporation, Denver, Colorado updated Feb. 19, 2002
 \$9,450 per month, 176 hours per month

** Cost quoted from Dennis Cosby, Cosby Trucking, Inc., Blanding, Utah, Updated Feb. 19, 2002
 (includes ownership expense, fuel, maintenance and operator)

LONG TERM CARE CALCULATION

Long Term Care Calculation

Base Amount (Starting in Dec. 1978)	\$250,000
CPI-U December, 1978	67.7
CPI-U December 2001	176.7

Adjusted Long Term Care = \$250,000 x (CPI-U most recent / CPI-U Dec., 1978)

Adjusted Long Term Care	\$652,511
-------------------------	-----------