



energy fuels nuclear, inc.

2764 compass drive • suite 101
grand junction, colorado 81506

(303) 243-1968
fax (303) 243-1973

40-2681

May 15, 1995

Mr. Joseph J. Holonich, Branch Chief
United States Nuclear Regulatory Commission
2 White Flint North, Mail Stop 7J9
11545 Rockville Pike
Rockville, MD 20852

re: White Mesa Mill, Banding Utah, License SUA-1358
Transmittal of Estimated Reclamation Costs
for the Purpose of Determining Surety Levels

Dear Mr. Holonich:

This letter transmits two copies of support for the new reclamation estimate as discussed in Harold Roberts' May 15, 1995 letter to you. The support consists of Gantt charts, resource cost and usage summaries, quantity calculations, and equipment costs. Two significant changes from the June 1988 plan that have affected the costs are 1) the less costly reclamation of Cell 4A as it has never been used for tailings, and 2) the correction of a calculation error in the original Cell 1 riprap volumes.

As I will be working on Phase Two also, I would appreciate any comments or suggestions that your staff may have concerning this estimate. As always, should you or your staff have any questions, I can be reached at (970)243-1968.

Sincerely,

Richard A. Van Horn
General Manager-Plateau Operations

Enclosures

cc/enc: D. K. Sparling, EFNI, White Mesa
H. R. Roberts, EFNI, Denver
C. O. Sealy, Umetco, Grand Junction

9505250181 950515
PDR ADOCK 04008681
C PDR

MS

Umetco Minerals Corporation



P.O. BOX 1029
GRAND JUNCTION, COLORADO 81502
☎ (303) 245-3700

May 13, 1995

Mr. Richard Van Horn
General Manager, Plateau Operations
Energy Fuels Limited
2764 Compass Drive, Suite 101
Grand Junction, CO 818506

Subject: Surety Update for Reclamation of the White Mesa Mill

Dear Mr. Van Horn:

Umetco Minerals Corporation has reviewed your cost estimate (May 15, 1995) for reclamation of the White Mesa Mill and related facilities. This review was conducted because Umetco currently provides the Surety to the U. S. Nuclear Regulatory Commission for reclamation of the White Mesa Mill.

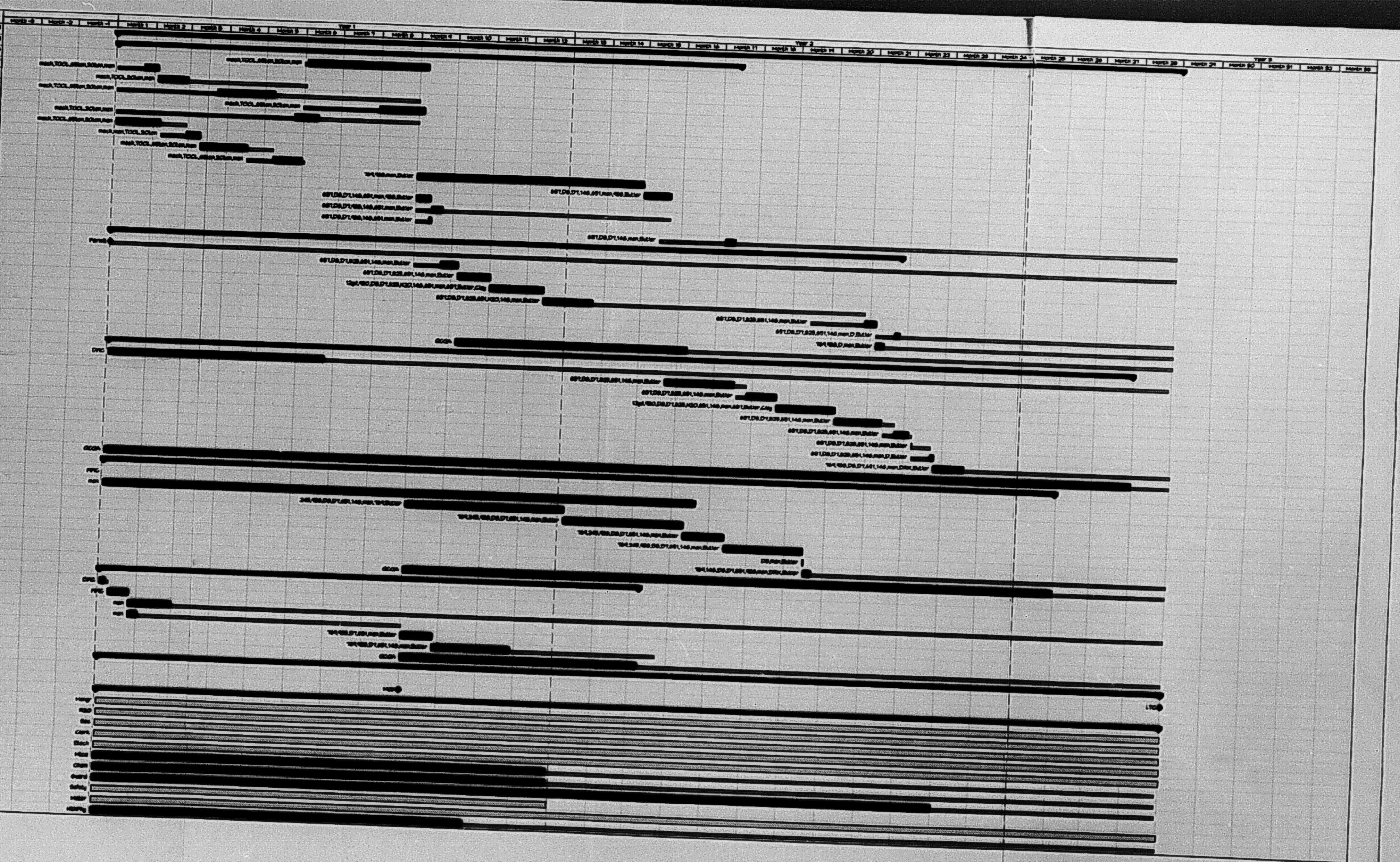
We concur that the costs that you have provided us for reclamation (\$10,645,247) is consistent with performing the required work.

Sincerely,

Curtis O. Sealy, P. E.
General Manager

COS/dos

ID	Task	ES	EF
1	1.0 Mobilize, Assess, & Design	08/08/99	08/20/99
2	1.1 Mobilize	08/08/99	08/08/99
3	1.1.1 Mobilization	08/08/99	08/08/99
4	1.1.2 Site Safety	08/08/99	08/08/99
5	1.1.3 Site Security	08/08/99	08/08/99
6	1.1.4 Site Safety	08/08/99	08/08/99
7	1.1.5 Site Security	08/08/99	08/08/99
8	1.1.6 Site Safety	08/08/99	08/08/99
9	1.1.7 Site Security	08/08/99	08/08/99
10	1.1.8 Site Safety	08/08/99	08/08/99
11	1.1.9 Site Security	08/08/99	08/08/99
12	1.1.10 Site Safety	08/08/99	08/08/99
13	1.1.11 Site Security	08/08/99	08/08/99
14	1.1.12 Site Safety	08/08/99	08/08/99
15	1.1.13 Site Security	08/08/99	08/08/99
16	1.1.14 Site Safety	08/08/99	08/08/99
17	1.1.15 Site Security	08/08/99	08/08/99
18	1.1.16 Site Safety	08/08/99	08/08/99
19	1.1.17 Site Security	08/08/99	08/08/99
20	1.1.18 Site Safety	08/08/99	08/08/99
21	1.1.19 Site Security	08/08/99	08/08/99
22	1.1.20 Site Safety	08/08/99	08/08/99
23	1.1.21 Site Security	08/08/99	08/08/99
24	1.1.22 Site Safety	08/08/99	08/08/99
25	1.1.23 Site Security	08/08/99	08/08/99
26	1.1.24 Site Safety	08/08/99	08/08/99
27	1.1.25 Site Security	08/08/99	08/08/99
28	1.1.26 Site Safety	08/08/99	08/08/99
29	1.1.27 Site Security	08/08/99	08/08/99
30	1.1.28 Site Safety	08/08/99	08/08/99
31	1.1.29 Site Security	08/08/99	08/08/99
32	1.1.30 Site Safety	08/08/99	08/08/99
33	1.1.31 Site Security	08/08/99	08/08/99
34	1.1.32 Site Safety	08/08/99	08/08/99
35	1.1.33 Site Security	08/08/99	08/08/99
36	1.1.34 Site Safety	08/08/99	08/08/99
37	1.1.35 Site Security	08/08/99	08/08/99
38	1.1.36 Site Safety	08/08/99	08/08/99
39	1.1.37 Site Security	08/08/99	08/08/99
40	1.1.38 Site Safety	08/08/99	08/08/99
41	1.1.39 Site Security	08/08/99	08/08/99
42	1.1.40 Site Safety	08/08/99	08/08/99
43	1.1.41 Site Security	08/08/99	08/08/99
44	1.1.42 Site Safety	08/08/99	08/08/99
45	1.1.43 Site Security	08/08/99	08/08/99
46	1.1.44 Site Safety	08/08/99	08/08/99
47	1.1.45 Site Security	08/08/99	08/08/99
48	1.1.46 Site Safety	08/08/99	08/08/99
49	1.1.47 Site Security	08/08/99	08/08/99
50	1.1.48 Site Safety	08/08/99	08/08/99
51	1.1.49 Site Security	08/08/99	08/08/99
52	1.1.50 Site Safety	08/08/99	08/08/99
53	1.1.51 Site Security	08/08/99	08/08/99
54	1.1.52 Site Safety	08/08/99	08/08/99
55	1.1.53 Site Security	08/08/99	08/08/99
56	1.1.54 Site Safety	08/08/99	08/08/99
57	1.1.55 Site Security	08/08/99	08/08/99
58	1.1.56 Site Safety	08/08/99	08/08/99
59	1.1.57 Site Security	08/08/99	08/08/99
60	1.1.58 Site Safety	08/08/99	08/08/99
61	1.1.59 Site Security	08/08/99	08/08/99
62	1.1.60 Site Safety	08/08/99	08/08/99
63	1.1.61 Site Security	08/08/99	08/08/99
64	1.1.62 Site Safety	08/08/99	08/08/99
65	1.1.63 Site Security	08/08/99	08/08/99
66	1.1.64 Site Safety	08/08/99	08/08/99
67	1.1.65 Site Security	08/08/99	08/08/99
68	1.1.66 Site Safety	08/08/99	08/08/99
69	1.1.67 Site Security	08/08/99	08/08/99
70	1.1.68 Site Safety	08/08/99	08/08/99
71	1.1.69 Site Security	08/08/99	08/08/99
72	1.1.70 Site Safety	08/08/99	08/08/99
73	1.1.71 Site Security	08/08/99	08/08/99
74	1.1.72 Site Safety	08/08/99	08/08/99
75	1.1.73 Site Security	08/08/99	08/08/99
76	1.1.74 Site Safety	08/08/99	08/08/99
77	1.1.75 Site Security	08/08/99	08/08/99
78	1.1.76 Site Safety	08/08/99	08/08/99
79	1.1.77 Site Security	08/08/99	08/08/99
80	1.1.78 Site Safety	08/08/99	08/08/99
81	1.1.79 Site Security	08/08/99	08/08/99
82	1.1.80 Site Safety	08/08/99	08/08/99
83	1.1.81 Site Security	08/08/99	08/08/99
84	1.1.82 Site Safety	08/08/99	08/08/99
85	1.1.83 Site Security	08/08/99	08/08/99
86	1.1.84 Site Safety	08/08/99	08/08/99
87	1.1.85 Site Security	08/08/99	08/08/99
88	1.1.86 Site Safety	08/08/99	08/08/99
89	1.1.87 Site Security	08/08/99	08/08/99
90	1.1.88 Site Safety	08/08/99	08/08/99
91	1.1.89 Site Security	08/08/99	08/08/99
92	1.1.90 Site Safety	08/08/99	08/08/99
93	1.1.91 Site Security	08/08/99	08/08/99
94	1.1.92 Site Safety	08/08/99	08/08/99
95	1.1.93 Site Security	08/08/99	08/08/99
96	1.1.94 Site Safety	08/08/99	08/08/99
97	1.1.95 Site Security	08/08/99	08/08/99
98	1.1.96 Site Safety	08/08/99	08/08/99
99	1.1.97 Site Security	08/08/99	08/08/99
100	1.1.98 Site Safety	08/08/99	08/08/99



ANSTEC
APERTURE
CARD

9505250181-01

WHITE MESA MILL Surety Update Summary

Description	Factor	Amount
Mill Decommissioning		1,478,242
Cell 2		1,297,047
Cell 3		1,740,304
Cell 4A		301,387
Cell 1		1,659,416
Miscellaneous		1,905,704
Subtotal Direct Costs		8,382,100
Profit Allowance	10.00%	838,210
Overhead Allowance	15.00%	1,257,315
Licensing & Bonding	2.00%	167,642
Total Surety Requirement		10,645,267

Amounts are in 1995 dollars

05/15/95

White Mesa Mill Reclamation Estimate

5/15/95

ID	Name	Total Cost	Year 1				Year 2				Ye				
			Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
1	1 TOTAL RECLAMATION & DECOM	\$8,382,101													
2	11 MILL DECOMMISSIONING	\$1,478,242													
3	111 Mill Building Demolition	\$237,608													
4	112 Preleach Tank Demolition	\$50,240													
5	113 Ore Feed Demolition	\$81,253													
6	114 SX Building Demolition	\$167,478													
7	115 CCD Circuit Removal	\$141,322													
8	116 Sample Plant Removal	\$40,483													
9	117 Boiler Demolition	\$92,866													
10	118 Acid Tank & Supply Line Removal	\$46,964													
11	119 Vanadium Oxidation Circuit Removal	\$59,762													
12	1110 P.L.T. Clarifier, & Claricone Removal	\$71,130													
13	1111 Haulage of Debris to Cell 3	\$205,462													
14	1112 Mill Yard Decontamination	\$129,694													
15	1113 Ore Storage Pad Decontamination	\$56,540													
16	1114 Acid Storage Area Decontamination	\$37,132													
17	1115 Equipment Storage Area	\$17,997													
18	1116 Revegetate Mill Yard & Ore Pad	\$42,312													
19	12 RECLAMATION OF CELL 2	\$1,297,047													
20	12.1 Obtain Permit for Section 16	\$10,000													
21	12.2 Place Remainder of Bridging Lift	\$78,973													

White Mesa Reclamation Resource Summary
5/15/95

ID	Name	Initials	Group	Max Units	Std Rate	Ovt. Rate	Cost/Use	Accrue At
1	637 scraper	637		4	\$121/h	\$66/h	\$0	Prorated
2	D8N Dozer w/ripper	D8		2	\$61/h	\$34/h	\$0	Prorated
3	D7 Dozer	D7		2	\$52/h	\$28/h	\$0	Prorated
4	825 Compactor	825		1	\$55/h	\$30/h	\$0	Prorated
5	651 Waterwagon	651		1	\$59/h	\$30/h	\$0	Prorated
6	14G Motorgrader	14G		2	\$44/h	\$24/h	\$0	Prorated
7	980C Loader	980		1	\$58/h	\$32/h	\$0	Prorated
8	5000 gal water truck	H2O		1	\$32/h	\$18/h	\$0	Prorated
9	Highway Trucks (12/d)	men		22	\$19/h	\$0/h	\$0	Prorated
10	Operators	Permit		1	\$0/h	\$0/h	\$1,000	Prorated
11	Permits and Licences	seed		100	\$0/h	\$0/h	\$650	Prorated
12	Seeding per Acre	DWC		50	\$0/h	\$0/h	\$1,000	Prorated
13	Dewatering Costs	GGGA		2	\$62/h	\$0/h	\$0	Prorated
14	Quality control contractor	769		4	\$52/h	\$28/h	\$0	Prorated
15	769 Haul Truck	988		2	\$87/h	\$48/h	\$0	Prorated
16	988 Loader	DRK		100	\$0/h	\$0/h	\$13,910	Prorated
17	Type 'D' Rock	MWC		10	\$0/h	\$0/h	\$5,000	Prorated
18	Wheelwash costs	245		1	\$92/h	\$50/h	\$0	Prorated
19	245 Excavator	D		100	\$0/h	\$0/h	\$1,025	Prorated
20	DP Rock per 100 yds	LTC		100	\$0/h	\$0/h	\$10,000	Prorated
21	Long Term Care Fund	mech		25	\$19/h	\$0/h	\$0	Prorated
22	Mechanics	TOOL		100	\$0/h	\$0/h	\$1,000	Prorated
23	Small tools	65ton		2	\$46/h	\$0/h	\$0	Prorated
24	65 Ton Crane	30ton		1	\$40/h	\$0/h	\$0	Prorated
25	30 Ton Crane	Mob		20	\$0/h	\$0/h	\$10,000	Start
26	Mobilization per 10k dollars	Mangr		1	\$150,000/y	\$0/h	\$0	Prorated
27	Manager/Engineer	R50		1	\$93,750/y	\$0/h	\$0	Prorated
28	Radiation Safety Officer	Sec		1	\$37,500/y	\$0/h	\$0	Prorated
29	Secretary	Clerk		1	\$31,250/y	\$0/h	\$0	Prorated
30	Clerk	Eng		1	\$93,750/y	\$0/h	\$0	Prorated
31	Engineer	Etech		1	\$50,000/y	\$0/h	\$0	Prorated
32	Environmental Technician	Mice		1	\$68,750/y	\$0/h	\$0	Prorated
33	Maintenance Foreman	Guard		3	\$25,000/y	\$0/h	\$0	Prorated
34	Security Personnel	Safety		1	\$50,000/y	\$0/h	\$0	Prorated
35	Safety Engineer	Chem		1	\$56,250/y	\$0/h	\$0	Prorated
36	Chemist	Mater		1	\$1,875/w	\$0/h	\$0	Prorated
37	Misc Supplies	Butler		100	\$10/h	\$0/h	\$0	Prorated
38	Butler Maintenance Cost	Clay		100	\$0/h	\$0/h	\$25,000	Prorated
39	Additional Clay per 10k yds	HithPhy		100	\$3,000/w	\$0/h	\$10,000	Prorated
40	Health Physics Program Costs							

White Mesa Mill Reclamation Plan
5/15/95

ID	Name	Total Cost	Var.	Actual
1	TOTAL RECLAMATION & DECOM	\$8,382,101	#####	\$0
2	MILL DECOMMISSIONING	\$1,478,242	#####	\$0
3	Mill Building Demolition	\$237,608	#####	\$0

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
10	Operators	2	623h	Oh	6/2/95	7/27/95	\$12,005	\$0	\$0	\$12,005
23	Mechanics	25	8133h	Oh	6/2/95	7/31/95	\$156,560	\$0	\$0	\$156,560
24	Small tools	40.66	Oh	Oh	6/2/95	6/2/95	\$40,660	\$0	\$0	\$40,660
25	65 Ton Crane	1	554h	Oh	6/2/95	4/7/95	\$25,623	\$0	\$0	\$25,623
26	30 Ton Crane	1	69h	Oh	6/2/95	6/15/95	\$2,760	\$0	\$0	\$2,760

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
10	Operators	2	117h	Oh	1/23/95	2/2/95	\$2,255	\$0	\$0	\$2,255
23	Mechanics	25	1768h	Oh	1/23/95	2/3/95	\$34,034	\$0	\$0	\$34,034
24	Small tools	8.84	Oh	Oh	1/23/95	1/23/95	\$8,840	\$0	\$0	\$8,840
25	65 Ton Crane	1	69h	Oh	1/23/95	2/3/95	\$3,191	\$0	\$0	\$3,191
26	30 Ton Crane	1	48h	Oh	1/23/95	1/31/95	\$1,920	\$0	\$0	\$1,920

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
10	Operators	1	69h	Oh	2/3/95	2/16/95	\$1,330	\$0	\$0	\$1,330
23	Mechanics	25	3182h	Oh	2/3/95	2/27/95	\$61,254	\$0	\$0	\$61,254
24	Small tools	15.91	Oh	Oh	2/3/95	2/3/95	\$15,910	\$0	\$0	\$15,910
26	30 Ton Crane	1	69h	Oh	2/3/95	2/16/95	\$2,760	\$0	\$0	\$2,760

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
10	Operators	2	207h	Oh	3/23/95	4/11/95	\$3,989	\$0	\$0	\$3,989
23	Mechanics	25	6365h	Oh	3/23/95	5/8/95	\$122,526	\$0	\$0	\$122,526
24	Small tools	31.82	Oh	Oh	3/23/95	3/23/95	\$31,820	\$0	\$0	\$31,820
25	65 Ton Crane	1	198h	Oh	3/23/95	4/17/95	\$6,383	\$0	\$0	\$6,383
26	30 Ton Crane	1	69h	Oh	3/23/95	4/4/95	\$2,760	\$0	\$0	\$2,760

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
10	Operators	2	207h	Oh	7/31/95	8/17/95	\$3,989	\$0	\$0	\$3,989
23	Mechanics	25	5304h	Oh	7/31/95	9/5/95	\$102,102	\$0	\$0	\$102,102
24	Small tools	26.52	Oh	Oh	7/31/95	7/31/95	\$26,520	\$0	\$0	\$26,520
25	65 Ton Crane	1	69h	Oh	7/31/95	8/10/95	\$3,191	\$0	\$0	\$3,191
26	30 Ton Crane	1	198h	Oh	7/31/95	8/23/95	\$5,520	\$0	\$0	\$5,520

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
10	Operators	1	104h	Oh	5/24/95	6/12/95	\$2,004	\$0	\$0	\$2,004
23	Mechanics	25	1415h	Oh	5/24/95	6/2/95	\$27,239	\$0	\$0	\$27,239
24	Small tools	7.08	Oh	Oh	5/24/95	5/24/95	\$7,080	\$0	\$0	\$7,080

White Mesa Mill Reclamation Estimate
5/15/95

ID	Name	Total Cost	Year 1				Year 2				Year				
			Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
22	1 2 3 Place Lower Random Fill (12')	\$146,480													
23	1 2 4 Clay Layer	\$551,261													
24	1 2 5 Upper Random Fill	\$238,314													
25	1 2 6 Dike Slope Reduction	\$61,096													
26	1 2 7 Desert Pavement of Top	\$38,426													
27	1 2 8 Rock Armor on 5:1 slopes	\$107,377													
28	1 2 9 Quality Control	\$65,100													
29	1 3 RECLAMATION OF CELL 3	\$1,740,304													
30	1 3 1 Dewatering of Cell 3	\$20,000													
31	1 3 2 Lower Random Fill	\$320,153													
32	1 3 3 Lower Random Fill (12')	\$147,499													
33	1 3 4 Clay Layer	\$567,472													
34	1 3 5 Upper Random Fill	\$226,632													
35	1 3 6 Dike Slope Reduction (South)	\$81,462													
36	1 3 7 Dike Slope Reduction (West)	\$7,007													
37	1 3 8 Desert Pavement of Top	\$38,426													
38	1 3 9 Riprap and Bedding Material	\$244,283													
39	1 3 10 Quality Control	\$87,172													
40	1 4 RECLAMATION OF CELL 1	\$1,659,416													
41	1 4 1 Construct Wheelwash	\$50,000													
42	1 4 2 Wheelwash Operation	\$104,752													

White Mesa Mill Reclamation Estimate
5/15/95

C	NAME	Total Cost	Year 1				Year 2				Ye					
			Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2			
43	14.3 Crysta Removal	\$529,119														
44	14.4 PVC Soil Cover Removal	\$421,540														
45	14.5 Liner and Soil Removal	\$140,198														
46	14.6 Contaminated Materials Removal	\$280,701														
47	14.7 Construct Channels	\$1,080														
48	14.8 Rock Protection	\$58,506														
49	14.9 Quality Control	\$73,532														
50	15 CELL 4A WORK	\$301,381														
51	15.1 Dewatering	\$5,000														
52	15.2 Construct Wree Mast	\$20,000														
53	15.3 Wree Mast Operation	\$11,003														
54	15.4 Remove Fencing	\$3,083														
55	15.5 Remove Liner to Cell B	\$87,834														
56	15.6 Remove Clay Layer	\$154,312														
57	15.7 Quality Control	\$20,150														
58	16 MISCELLANEOUS ITEMS	\$1,905,104														
59	16.1 Long Term Care Fund Allowance	\$551,200														
60	16.2 Butler Machinery Mobilization	\$131,000														
61	16.3 Managerial Support	\$1,223,504														
62	16.3.1 Manager/Engineer	\$280,731														
63	16.3.2 Radiation Safety Officer	\$175,457														

White Mesa Mill Reclamation Estimate

5/15/95

ID	Name	24	Year 1				Year 2				Ye			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
64	1633 Secretaries	208,000	\$70,153											
65	1634 Clerk		\$58,486											
66	1635 Environmental Technician		\$98,577											
67	1636 Maintenance Foreman		\$55,000											
68	1637 Chemist		\$45,000											
69	1638 Security		\$10,546											
70	1639 Safety Engineer		\$40,000											
71	16310 Misc MATERIALS AND SUPPLIES		\$182,475											
72	16311 HEAVY PHYSICAL LABOR WITH DECS		\$112,000											

White Mesa Mill Reclamation Plan

5/15/95

Total Cost Var Actual

Sample Plant Removal continued

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
26	30 Ton Crane	1	104h	0h	5/24/95	6/12/95	\$4,160	\$0	\$0	\$4,160

9 Boiler Demolition

\$0

\$42,866

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
10	Operators	2	243h	0h	1/2/95	1/23/95	\$4,683	\$0	\$0	\$4,683
23	Mechanics	25	3183h	0h	1/2/95	1/23/95	\$61,254	\$0	\$0	\$61,254
24	Small Tools	15.91	0h	0h	1/2/95	1/2/95	\$15,910	\$0	\$0	\$15,910
25	65 Ton Crane	1	208h	0h	1/2/95	2/6/95	\$4,620	\$0	\$0	\$4,620
26	30 Ton Crane	1	35h	0h	1/2/95	1/6/95	\$1,400	\$0	\$0	\$1,400

10 Acid Tank & Supply Line Removal

\$0

\$46,964

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
10	Operators	1	64h	0h	2/27/95	3/10/95	\$1,330	\$0	\$0	\$1,330
23	Mechanics	25	1768h	0h	2/27/95	3/10/95	\$34,034	\$0	\$0	\$34,034
24	Small Tools	5.84	0h	0h	2/27/95	2/27/95	\$8,840	\$0	\$0	\$8,840
26	30 Ton Crane	1	64h	0h	2/27/95	3/10/95	\$2,760	\$0	\$0	\$2,760

11 Vanadium Oxidation Circuit Removal

\$0

\$59,762

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
10	Operators	2	263h	0h	3/10/95	4/3/95	\$5,068	\$0	\$0	\$5,068
23	Mechanics	25	1768h	0h	3/10/95	3/23/95	\$34,034	\$0	\$0	\$34,034
24	Small Tools	5.84	18,45h	0h	3/10/95	3/27/95	\$8,840	\$0	\$0	\$8,840
25	65 Ton Crane	1	208h	0h	3/10/95	4/17/95	\$4,620	\$0	\$0	\$4,620
26	30 Ton Crane	1	55h	0h	3/10/95	3/21/95	\$2,200	\$0	\$0	\$2,200

12 FLT Classifier & Clarifone Removal

\$0

\$71,130

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
10	Operators	2	173h	0h	5/8/95	5/22/95	\$3,334	\$0	\$0	\$3,334
23	Mechanics	25	2475h	0h	5/8/95	5/24/95	\$47,644	\$0	\$0	\$47,644
24	Small Tools	12.37	0h	0h	5/8/95	5/8/95	\$12,370	\$0	\$0	\$12,370
25	65 Ton Crane	1	136h	0h	5/8/95	5/31/95	\$6,363	\$0	\$0	\$6,363
26	30 Ton Crane	1	35h	0h	5/8/95	5/12/95	\$1,400	\$0	\$0	\$1,400

13 Heavily of Debris to Cell 3

\$0

\$205,462

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
10	Operators	3	2080h	0h	9/1/95	1/1/96	\$40,062	\$0	\$0	\$40,062
15	18m Haul Truck	1	1040h	0h	9/1/95	2/28/96	\$54,540	\$0	\$0	\$54,540
16	48B Loader	1	1040h	0h	9/1/95	2/24/96	\$89,491	\$0	\$0	\$89,491
24	Boiler Maintenance Cost	10	2080h	0h	9/1/95	10/6/95	\$20,800	\$0	\$0	\$20,800

14 Mill Yard Decontamination

\$0

\$129,694

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
1	637 scraper	4	440h	0h	3/1/96	3/23/96	\$59,422	\$0	\$0	\$59,422
2	20m Digger w/ripper	1	123h	0h	3/1/96	3/23/96	\$7,467	\$0	\$0	\$7,467

White Mesa Mill Reclamation Plan

5-15-95

ID	Name	Total Cost	Vari.	Actual						
Mill Yard Decontamination - Continued										
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
3	DT Dozer	1	12h	On	3/1/96	3/22/96	\$6,395	\$0	\$0	\$6,395
5	651 Motorwagon	1	12h	On	3/1/96	3/22/96	\$1,198	\$0	\$0	\$1,198
6	146 Motorgrader	1	12h	On	3/1/96	3/22/96	\$5,358	\$0	\$0	\$5,358
10	Operators	9	150h	On	3/1/96	3/22/96	\$22,161	\$0	\$0	\$22,161
16	488 Loader	1	12h	On	3/1/96	3/22/96	\$10,643	\$0	\$0	\$10,643
34	Butler Maintenance Cost	10	1105h	On	3/1/96	3/20/96	\$11,050	\$0	\$0	\$11,050

One Storage Pad Decontamination										
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
1	651 scraper	4	215h	On	9/11/95	9/11/95	\$26,073	\$0	\$0	\$26,073
2	D8N Dozer w/ripper	1	54h	On	9/11/95	9/11/95	\$3,278	\$0	\$0	\$3,278
3	DT Dozer	1	54h	On	9/11/95	9/11/95	\$2,807	\$0	\$0	\$2,807
5	651 Motorwagon	1	54h	On	9/11/95	9/11/95	\$3,160	\$0	\$0	\$3,160
6	146 Motorgrader	1	54h	On	9/11/95	9/11/95	\$2,352	\$0	\$0	\$2,352
10	Operators	9	485h	On	9/11/95	9/12/95	\$9,346	\$0	\$0	\$9,346
16	488 Loader	1	54h	On	9/11/95	9/11/95	\$4,673	\$0	\$0	\$4,673
34	Butler Maintenance Cost	10	485h	On	9/11/95	9/11/95	\$4,850	\$0	\$0	\$4,850

Acid Storage Area Decontamination										
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
1	651 scraper	4	208h	On	9/13/95	9/22/95	\$25,224	\$0	\$0	\$25,224
2	D8N Dozer w/ripper	1	13h	On	9/13/95	9/15/95	\$789	\$0	\$0	\$789
3	DT Dozer	1	13h	On	9/13/95	9/15/95	\$676	\$0	\$0	\$676
5	651 Motorwagon	1	13h	On	9/13/95	9/15/95	\$761	\$0	\$0	\$761
6	146 Motorgrader	1	13h	On	9/13/95	9/15/95	\$566	\$0	\$0	\$566
10	Operators	9	273h	On	9/13/95	9/19/95	\$5,261	\$0	\$0	\$5,261
16	488 Loader	1	13h	On	9/13/95	9/15/95	\$1,125	\$0	\$0	\$1,125
34	Butler Maintenance Cost	10	273h	On	9/13/95	9/19/95	\$2,790	\$0	\$0	\$2,790

Equipment Storage Area										
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
1	651 scraper	4	64h	On	9/11/95	9/13/95	\$8,368	\$0	\$0	\$8,368
2	D8N Dozer w/ripper	1	17h	On	9/11/95	9/13/95	\$1,032	\$0	\$0	\$1,032
3	DT Dozer	1	17h	On	9/11/95	9/13/95	\$884	\$0	\$0	\$884
5	651 Motorwagon	1	17h	On	9/11/95	9/13/95	\$995	\$0	\$0	\$995
6	146 Motorgrader	1	17h	On	9/11/95	9/13/95	\$741	\$0	\$0	\$741
10	Operators	9	154h	On	9/11/95	9/13/95	\$2,968	\$0	\$0	\$2,968
16	488 Loader	1	17h	On	9/11/95	9/13/95	\$1,471	\$0	\$0	\$1,471
34	Butler Maintenance Cost	10	154h	On	9/11/95	9/13/95	\$1,540	\$0	\$0	\$1,540

Revegetable Mill Yard & One Pad										
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
1	651 scraper	4	200h	On	3/19/97	3/21/97	\$24,254	\$0	\$0	\$24,254
2	D8N Dozer w/ripper	1	50h	On	3/13/97	3/21/97	\$8,036	\$0	\$0	\$8,036
3	DT Dozer	1	50h	On	3/13/97	3/21/97	\$2,600	\$0	\$0	\$2,600

White Mesa Mill Reclamation Plan

5/15/95

ID	Name	Total Cost	Vari.	Actual						
19	Revegetable Mill Yard & Ore Pad - continued									
6	146 Motorgrader	50h	On							
10	Operators	7	350h							
39	Butler Maintenance Cost	10	350h							
		\$1,297,047		\$0						
20	Obtain Permit for Section 16	\$10,000		\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
11	Permits and Licenses	10	On	On	1/1/95	1/1/95	\$10,000	\$0	\$0	\$10,000

ID	Name	Total Cost	Vari.	Actual						
21	Place Remainder of Bridging Lift									
1	637 Scraper	4	304h							
2	D6N Dozer w/ripper	1	18h							
3	D7 Dozer	1	18h							
4	B25 Compactor	1	18h							
5	651 Motorwagon	1	18h							
6	146 Motorgrader	1	18h							
10	Operators	9	648h							
39	Butler Maintenance Cost	10	648h							
		\$18,979		\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
1	637 Scraper	4	304h	On	9/22/95	10/6/95	\$37,472	\$0	\$0	\$37,472
2	D6N Dozer w/ripper	1	18h	On	9/22/95	10/6/95	\$4,795	\$0	\$0	\$4,795
3	D7 Dozer	1	18h	On	9/22/95	10/6/95	\$4,055	\$0	\$0	\$4,055
4	B25 Compactor	1	18h	On	9/22/95	10/6/95	\$4,288	\$0	\$0	\$4,288
5	651 Motorwagon	1	18h	On	9/22/95	10/6/95	\$4,565	\$0	\$0	\$4,565
6	146 Motorgrader	1	18h	On	9/22/95	10/6/95	\$3,398	\$0	\$0	\$3,398
10	Operators	9	648h	On	9/22/95	10/6/95	\$13,470	\$0	\$0	\$13,470
39	Butler Maintenance Cost	10	648h	On	9/22/95	10/5/95	\$6,990	\$0	\$0	\$6,990

ID	Name	Total Cost	Vari.	Actual						
22	Place Lower Random Fill (12')									
1	637 Scraper	4	575h							
2	D6N Dozer w/ripper	1	144h							
3	D7 Dozer	1	144h							
4	B25 Compactor	1	144h							
5	651 Motorwagon	1	144h							
6	146 Motorgrader	1	144h							
10	Operators	9	1295h							
39	Butler Maintenance Cost	10	1295h							
		\$146,480		\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
1	637 Scraper	4	575h	On	10/6/95	11/1/95	\$69,730	\$0	\$0	\$69,730
2	D6N Dozer w/ripper	1	144h	On	10/6/95	11/1/95	\$8,742	\$0	\$0	\$8,742
3	D7 Dozer	1	144h	On	10/6/95	11/1/95	\$7,487	\$0	\$0	\$7,487
4	B25 Compactor	1	144h	On	10/6/95	11/1/95	\$7,917	\$0	\$0	\$7,917
5	651 Motorwagon	1	144h	On	10/6/95	11/1/95	\$8,427	\$0	\$0	\$8,427
6	146 Motorgrader	1	144h	On	10/6/95	11/1/95	\$6,279	\$0	\$0	\$6,279
10	Operators	9	1295h	On	10/6/95	11/1/95	\$24,955	\$0	\$0	\$24,955
39	Butler Maintenance Cost	10	1295h	On	10/6/95	10/30/95	\$12,950	\$0	\$0	\$12,950

ID	Name	Total Cost	Vari.	Actual						
23	Clay Layer									
1	637 Scraper	4	948h							
2	D6N Dozer w/ripper	1	248h							
3	D7 Dozer	1	248h							
4	B25 Compactor	1	248h							
5	651 Motorwagon	1	248h							
6	146 Motorgrader	1	248h							
7	980C Loader	1	On							
8	5000 gal water truck	1	248h							
9	Highway Trucks (12yd)	10	On							
10	Operators	10	2480h							
39	Butler Maintenance Cost	10	2480h							
40	Additional Clay per 10k yds	113	On							
		\$551,281		\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
1	637 Scraper	4	948h	On	11/1/95	12/14/95	\$120,785	\$0	\$0	\$120,785
2	D6N Dozer w/ripper	1	248h	On	11/1/95	12/14/95	\$15,117	\$0	\$0	\$15,117
3	D7 Dozer	1	248h	On	11/1/95	12/14/95	\$12,946	\$0	\$0	\$12,946
4	B25 Compactor	1	248h	On	11/1/95	12/14/95	\$13,690	\$0	\$0	\$13,690
5	651 Motorwagon	1	248h	On	11/1/95	12/14/95	\$14,571	\$0	\$0	\$14,571
6	146 Motorgrader	1	248h	On	11/1/95	12/14/95	\$10,846	\$0	\$0	\$10,846
7	980C Loader	1	On	On	11/1/95	11/1/95	\$0	\$0	\$0	\$0
8	5000 gal water truck	1	248h	On	11/1/95	12/14/95	\$7,943	\$0	\$0	\$7,943
9	Highway Trucks (12yd)	10	On	On	11/1/95	11/1/95	\$0	\$0	\$0	\$0
10	Operators	10	2480h	On	11/1/95	12/14/95	\$47,982	\$0	\$0	\$47,982
39	Butler Maintenance Cost	10	2480h	On	11/1/95	12/14/95	\$24,900	\$0	\$0	\$24,900
40	Additional Clay per 10k yds	113	On	On	11/1/95	11/1/95	\$282,500	\$0	\$0	\$282,500

White Mesa Mill Reclamation Plan
5/15/95

ID	Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act Cost	Rem Cost
Total Cost Vari. Actual: \$0										
Upper Random Fill: \$238,314										
1	637 scraper	4	882h	Oh	12/14/95	1/22/96	\$106,960	\$0	\$0	\$106,960
2	D8N Dozer w/ripper	1	221h	Oh	12/14/95	1/22/96	\$13,417	\$0	\$0	\$13,417
3	D7 Dozer	1	221h	Oh	12/14/95	1/22/96	\$11,490	\$0	\$0	\$11,490
4	B25 Compactor	1	221h	Oh	12/14/95	1/22/96	\$12,151	\$0	\$0	\$12,151
5	651 Waterwagon	1	221h	Oh	12/14/95	1/22/96	\$12,933	\$0	\$0	\$12,933
6	14G Motorgrader	1	221h	Oh	12/14/95	1/22/96	\$9,627	\$0	\$0	\$9,627
8	5000 gal water truck	1	221h	Oh	12/14/95	1/22/96	\$7,050	\$0	\$0	\$7,050
10	Operators	10	2210h	Oh	12/14/95	1/22/96	\$42,587	\$0	\$0	\$42,587
34	Butler Maintenance Cost	10	2210h	Oh	12/14/95	1/22/96	\$22,100	\$0	\$0	\$22,100

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act Cost	Rem Cost
Dike Slope Reduction: \$61,096										
1	637 scraper	4	240h	Oh	9/12/96	9/24/96	\$29,105	\$0	\$0	\$29,105
2	D8N Dozer w/ripper	1	60h	Oh	9/12/96	9/24/96	\$3,643	\$0	\$0	\$3,643
3	D7 Dozer	1	60h	Oh	9/12/96	9/24/96	\$3,119	\$0	\$0	\$3,119
4	B25 Compactor	1	60h	Oh	9/12/96	9/24/96	\$3,299	\$0	\$0	\$3,299
5	651 Waterwagon	1	60h	Oh	9/12/96	9/24/96	\$3,511	\$0	\$0	\$3,511
6	14G Motorgrader	1	60h	Oh	9/12/96	9/24/96	\$2,614	\$0	\$0	\$2,614
10	Operators	4	540h	Oh	9/12/96	9/24/96	\$10,406	\$0	\$0	\$10,406
34	Butler Maintenance Cost	10	540h	Oh	9/12/96	9/23/96	\$5,400	\$0	\$0	\$5,400

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act Cost	Rem Cost
Desert Pavement of Top: \$38,426										
1	637 scraper	4	74h	Oh	10/9/96	10/11/96	\$8,974	\$0	\$0	\$8,974
2	D8N Dozer w/ripper	1	19h	Oh	10/9/96	10/11/96	\$1,153	\$0	\$0	\$1,153
3	D7 Dozer	1	19h	Oh	10/9/96	10/11/96	\$988	\$0	\$0	\$988
4	B25 Compactor	1	19h	Oh	10/9/96	10/11/96	\$1,045	\$0	\$0	\$1,045
5	651 Waterwagon	1	19h	Oh	10/9/96	10/11/96	\$1,112	\$0	\$0	\$1,112
6	14G Motorgrader	1	19h	Oh	10/9/96	10/11/96	\$828	\$0	\$0	\$828
10	Operators	9	171h	Oh	10/9/96	10/11/96	\$3,295	\$0	\$0	\$3,295
20	DP Rock per 100 yds	18.85	1h	Oh	10/9/96	10/9/96	\$19,321	\$0	\$0	\$19,321
34	Butler Maintenance Cost	10	171h	Oh	10/9/96	10/11/96	\$1,710	\$0	\$0	\$1,710

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act Cost	Rem Cost
Rock Armor on 5:1 slopes: \$107,377										
10	Operators	5	188h	Oh	9/24/96	10/1/96	\$3,623	\$0	\$0	\$3,623
15	164 Haul Truck	4	150h	Oh	9/24/96	10/1/96	\$7,874	\$0	\$0	\$7,874
16	988 Loader	1	38h	Oh	9/24/96	10/1/96	\$3,288	\$0	\$0	\$3,288
20	DP Rock per 100 yds	86.5	3363h	Oh	9/24/96	10/1/96	\$90,713	\$0	\$0	\$90,713
34	Butler Maintenance Cost	10	188h	Oh	9/24/96	9/26/96	\$1,880	\$0	\$0	\$1,880

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act Cost	Rem Cost
Quality Control: \$65,100										
14	Quality control contractor	1	1050h	Oh	10/6/95	4/6/96	\$65,100	\$0	\$0	\$65,100

White Mesa Mill Reclamation Plan

5/15/95

ID	Name	Total Cost	Var	Actual
24	RECLAMATION OF CELL 3	\$1,740,304		\$0
30	Demustering of Cell 3	\$20,000		\$0

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem Cost
13	Demustering Costs	20	20000f	0h	1/2/95	6/23/95	\$20,000	\$0	\$0	\$20,000
31	Lower Random Fill						\$320,153			\$0
1	637 Scraper	4	1256h	0h	3/22/96	5/17/96	\$152,315	\$0	\$0	\$152,315
2	D8N Dozer w/ripper	1	315h	0h	3/22/96	5/17/96	\$19,124	\$0	\$0	\$19,124
3	D7 Dozer	1	315h	0h	3/22/96	5/17/96	\$16,377	\$0	\$0	\$16,377
4	S25 Compactor	1	315h	0h	3/22/96	5/17/96	\$17,319	\$0	\$0	\$17,319
5	651 Waterwagon	1	315h	0h	3/22/96	5/17/96	\$18,434	\$0	\$0	\$18,434
6	14G Motorgrader	1	315h	0h	3/22/96	5/17/96	\$13,721	\$0	\$0	\$13,721
10	Operators	9	2831h	0h	3/22/96	5/17/96	\$54,553	\$0	\$0	\$54,553
39	Butler Maintenance Cost	10	2831h	0h	3/22/96	5/13/96	\$28,310	\$0	\$0	\$28,310

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem Cost
32	Lower Random Fill (12')						\$147,499			\$0
1	637 Scraper	4	579h	0h	5/27/96	6/20/96	\$70,215	\$0	\$0	\$70,215
2	D8N Dozer w/ripper	1	145h	0h	5/27/96	6/20/96	\$9,803	\$0	\$0	\$9,803
3	D7 Dozer	1	145h	0h	5/27/96	6/20/96	\$7,539	\$0	\$0	\$7,539
4	S25 Compactor	1	145h	0h	5/27/96	6/20/96	\$7,972	\$0	\$0	\$7,972
5	651 Waterwagon	1	145h	0h	5/27/96	6/20/96	\$8,485	\$0	\$0	\$8,485
6	14G Motorgrader	1	145h	0h	5/27/96	6/20/96	\$6,316	\$0	\$0	\$6,316
10	Operators	10	1304h	0h	5/27/96	6/18/96	\$25,128	\$0	\$0	\$25,128
39	Butler Maintenance Cost	10	1304h	0h	5/27/96	6/18/96	\$13,040	\$0	\$0	\$13,040

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem Cost
33	Clay Layer						\$567,472			\$0
1	637 Scraper	4	1056h	0h	6/20/96	8/6/96	\$128,061	\$0	\$0	\$128,061
2	D8N Dozer w/ripper	1	264h	0h	6/20/96	8/6/96	\$16,027	\$0	\$0	\$16,027
3	D7 Dozer	1	264h	0h	6/20/96	8/6/96	\$13,725	\$0	\$0	\$13,725
4	S25 Compactor	1	264h	0h	6/20/96	8/6/96	\$14,515	\$0	\$0	\$14,515
5	651 Waterwagon	1	264h	0h	6/20/96	8/6/96	\$15,449	\$0	\$0	\$15,449
6	14G Motorgrader	1	264h	0h	6/20/96	8/6/96	\$11,500	\$0	\$0	\$11,500
7	980C Loader	0	0h	0h	6/20/96	8/6/96	\$0	\$0	\$0	\$0
8	5000 gal water truck	1	264h	0h	6/20/96	8/6/96	\$8,422	\$0	\$0	\$8,422
9	Highway Trucks (12yd)	0	0h	0h	6/20/96	8/6/96	\$0	\$0	\$0	\$0
10	Operators	10	2640h	0h	6/20/96	8/6/96	\$50,873	\$0	\$0	\$50,873
39	Butler Maintenance Cost	10	2640h	0h	6/20/96	8/6/96	\$26,400	\$0	\$0	\$26,400
40	Additional Clay per 10k yds	113	2483.2h	0h	6/20/96	8/6/96	\$282,500	\$0	\$0	\$282,500

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem Cost
34	Upper Random Fill						\$226,932			\$0
1	637 Scraper	4	890h	0h	8/6/96	9/12/96	\$107,930	\$0	\$0	\$107,930
2	D8N Dozer w/ripper	1	223h	0h	8/6/96	9/12/96	\$13,538	\$0	\$0	\$13,538
3	D7 Dozer	1	223h	0h	8/6/96	9/12/96	\$11,594	\$0	\$0	\$11,594

White Mesa Mill Reclamation Plan

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ID Name Total Cost Vari. Actual

Upper Random Fill continued

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
4	B25 Compactor	1	223h	0h	8/6/96	9/12/96	\$12,261	\$0	\$0	\$12,261
5	651 Waterwagon	1	223h	0h	8/6/96	9/12/96	\$13,050	\$0	\$0	\$13,050
6	146 Motorgrader	1	223h	0h	8/6/96	9/12/96	\$9,714	\$0	\$0	\$9,714
10	Operators	9	2007h	0h	8/6/96	9/12/96	\$38,675	\$0	\$0	\$38,675
34	Butler Maintenance Cost	10	2007h	0h	8/6/96	9/10/96	\$20,070	\$0	\$0	\$20,070

35 Dike Slope Reduction (South)

\$81,462 ***** \$0

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
1	637 scraper	4	320h	0h	9/24/96	10/8/96	\$38,806	\$0	\$0	\$38,806
2	DBN Dozer w/ripper	1	80h	0h	9/24/96	10/8/96	\$4,857	\$0	\$0	\$4,857
3	DT Dozer	1	80h	0h	9/24/96	10/8/96	\$4,154	\$0	\$0	\$4,154
4	B25 Compactor	1	80h	0h	9/24/96	10/8/96	\$4,398	\$0	\$0	\$4,398
5	651 Waterwagon	1	80h	0h	9/24/96	10/8/96	\$4,682	\$0	\$0	\$4,682
6	146 Motorgrader	1	80h	0h	9/24/96	10/8/96	\$3,485	\$0	\$0	\$3,485
10	Operators	9	720h	0h	9/24/96	10/8/96	\$13,874	\$0	\$0	\$13,874
34	Butler Maintenance Cost	10	720h	0h	9/24/96	10/7/96	\$7,200	\$0	\$0	\$7,200

36 Dike Slope Reduction (West)

\$7,007 ***** \$0

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
1	637 scraper	4	27h	0h	10/8/96	10/9/96	\$3,274	\$0	\$0	\$3,274
2	DBN Dozer w/ripper	1	7h	0h	10/8/96	10/9/96	\$425	\$0	\$0	\$425
3	DT Dozer	1	7h	0h	10/8/96	10/9/96	\$364	\$0	\$0	\$364
4	B25 Compactor	1	7h	0h	10/8/96	10/9/96	\$385	\$0	\$0	\$385
5	651 Waterwagon	1	7h	0h	10/8/96	10/9/96	\$410	\$0	\$0	\$410
6	146 Motorgrader	1	7h	0h	10/8/96	10/9/96	\$305	\$0	\$0	\$305
10	Operators	9	63h	0h	10/8/96	10/9/96	\$1,214	\$0	\$0	\$1,214
34	Butler Maintenance Cost	10	63h	0h	10/8/96	10/9/96	\$630	\$0	\$0	\$630

37 Desert Pavement of Top

\$38,426 ***** \$0

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
1	637 scraper	4	74h	0h	10/24/96	10/28/96	\$8,974	\$0	\$0	\$8,974
2	DBN Dozer w/ripper	1	19h	0h	10/24/96	10/28/96	\$1,153	\$0	\$0	\$1,153
3	DT Dozer	1	19h	0h	10/24/96	10/28/96	\$988	\$0	\$0	\$988
4	B25 Compactor	1	19h	0h	10/24/96	10/28/96	\$1,045	\$0	\$0	\$1,045
5	651 Waterwagon	1	19h	0h	10/24/96	10/28/96	\$1,112	\$0	\$0	\$1,112
6	146 Motorgrader	1	19h	0h	10/24/96	10/28/96	\$828	\$0	\$0	\$828
10	Operators	9	171h	0h	10/24/96	10/28/96	\$3,295	\$0	\$0	\$3,295
20	DP Rock per 100 yd3	18 B5	1h	0h	10/24/96	10/24/96	\$19,321	\$0	\$0	\$19,321
34	Butler Maintenance Cost	10	171h	0h	10/24/96	10/28/96	\$1,710	\$0	\$0	\$1,710

38 Riprap and Bedding Material

\$244,283 ***** \$0

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
2	DBN Dozer w/ripper	1	135h	0h	10/28/96	11/20/96	\$8,196	\$0	\$0	\$8,196
3	DT Dozer	1	135h	0h	10/28/96	11/20/96	\$7,019	\$0	\$0	\$7,019
5	651 Waterwagon	1	135h	0h	10/28/96	11/20/96	\$7,900	\$0	\$0	\$7,900

White Mesa Mill Reclamation Plan

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ID	Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
6	14G Motorgrader	1	135h	Oh	10/28/96	11/20/96	\$5,881	\$0	\$0	\$5,881
10	Operators	9	945h	Oh	10/28/96	11/14/96	\$18,210	\$0	\$0	\$18,210
15	769 Haul Truck	4	270h	Oh	10/28/96	11/7/96	\$14,172	\$0	\$0	\$14,172
16	988 Loader	1	135h	Oh	10/28/96	11/20/96	\$11,682	\$0	\$0	\$11,682
17	Type "D" Rock	1163	1h	Oh	10/28/96	10/28/96	\$161,773	\$0	\$0	\$161,773
39	Butler Maintenance Cost	10	945h	Oh	10/28/96	11/13/96	\$9,450	\$0	\$0	\$9,450

ID	Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
39	Quality Control						\$0			
14	Quality Control Contractor	03	1406h	Oh	1/2/95	3/31/97	\$87,172	\$0	\$0	\$87,172

40 RECLAMATION OF CELL 1 \$0

41 Construct Wheelwash \$0

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
18	Wheelwash costs	10	10h	Oh	1/2/95	1/2/95	\$50,000	\$0	\$0	\$50,000

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
42	Wheelwash Operation						\$0			
10	Operators	2	5436h	Oh	1/2/95	4/19/96	\$104,752	\$0	\$0	\$104,752

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
43	Crystal Removal						\$0			
2	D8N Dozer w/ripper	1	725h	Oh	9/1/95	1/5/96	\$44,015	\$0	\$0	\$44,015
3	DT Dozer	1	362h	Oh	9/1/95	11/3/95	\$18,820	\$0	\$0	\$18,820
5	651 Waterwagon	1	362h	Oh	9/1/95	11/3/95	\$21,184	\$0	\$0	\$21,184
6	14G Motorgrader	1	362h	Oh	9/1/95	11/3/95	\$15,769	\$0	\$0	\$15,769
10	Operators	10	6159h	Oh	9/1/95	12/18/95	\$118,684	\$0	\$0	\$118,684
15	769 Haul Truck	4	2898h	Oh	9/1/95	1/5/96	\$152,116	\$0	\$0	\$152,116
16	988 Loader	1	725h	Oh	9/1/95	1/5/96	\$62,734	\$0	\$0	\$62,734
19	245 Excavator	1	725h	Oh	9/1/95	1/5/96	\$66,816	\$0	\$0	\$66,816
39	Butler Maintenance Cost	10	2898h	Oh	9/1/95	10/23/95	\$28,980	\$0	\$0	\$28,980

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
44	PVC Sill Cover Removal						\$0			
2	D8N Dozer w/ripper	1	544h	Oh	1/5/96	4/10/96	\$33,026	\$0	\$0	\$33,026
3	DT Dozer	1	272h	Oh	1/5/96	2/22/96	\$14,141	\$0	\$0	\$14,141
5	651 Waterwagon	1	272h	Oh	1/5/96	2/22/96	\$15,917	\$0	\$0	\$15,917
6	14G Motorgrader	1	272h	Oh	1/5/96	2/22/96	\$11,848	\$0	\$0	\$11,848
10	Operators	10	4622h	Oh	1/5/96	3/27/96	\$89,066	\$0	\$0	\$89,066
15	769 Haul Truck	4	2174h	Oh	1/5/96	4/10/96	\$114,113	\$0	\$0	\$114,113
16	988 Loader	1	544h	Oh	1/5/96	4/10/96	\$47,072	\$0	\$0	\$47,072
19	245 Excavator	1	544h	Oh	1/5/96	4/10/96	\$50,135	\$0	\$0	\$50,135
39	Butler Maintenance Cost	10	4622h	Oh	1/5/96	3/27/96	\$46,220	\$0	\$0	\$46,220

White Mesa Mill Reclamation Plan

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ID	Name	Total Cost	Vari.	Actual						
45	Liner and Soil Removal	\$140,188	#####	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act Cost	Rem. Cost
2	D8N Dozer w/ripper	1	181h	Oh	4/10/96	5/13/96	\$10,989	\$0	\$0	\$10,989
3	DT Dozer	1	90h	Oh	4/10/96	4/25/96	\$4,679	\$0	\$0	\$4,679
5	651 Waterwagon	1	90h	Oh	4/10/96	4/25/96	\$5,267	\$0	\$0	\$5,267
6	14G Motorgrader	1	90h	Oh	4/10/96	4/25/96	\$3,920	\$0	\$0	\$3,920
10	Operators	10	1537h	Oh	4/10/96	5/7/96	\$29,618	\$0	\$0	\$29,618
15	769 Haul Truck	4	724h	Oh	4/10/96	5/13/96	\$38,003	\$0	\$0	\$38,003
16	988 Loader	1	181h	Oh	4/10/96	5/13/96	\$15,662	\$0	\$0	\$15,662
19	245 Excavator	1	181h	Oh	4/10/96	5/13/96	\$16,681	\$0	\$0	\$16,681
39	Butler Maintenance Cost	10	1537h	Oh	4/10/96	5/7/96	\$15,370	\$0	\$0	\$15,370

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act Cost	Rem. Cost
46	Contaminated Materials Removal	\$280,701	#####	\$0						
2	D8N Dozer w/ripper	1	362h	Oh	5/13/96	7/15/96	\$21,977	\$0	\$0	\$21,977
3	DT Dozer	1	181h	Oh	5/13/96	6/12/96	\$9,410	\$0	\$0	\$9,410
5	651 Waterwagon	1	181h	Oh	5/13/96	6/12/96	\$10,592	\$0	\$0	\$10,592
6	14G Motorgrader	1	181h	Oh	5/13/96	6/12/96	\$7,884	\$0	\$0	\$7,884
10	Operators	10	3078h	Oh	5/13/96	7/4/96	\$59,313	\$0	\$0	\$59,313
15	769 Haul Truck	4	1449h	Oh	5/13/96	7/15/96	\$76,058	\$0	\$0	\$76,058
16	988 Loader	1	362h	Oh	5/13/96	7/15/96	\$31,324	\$0	\$0	\$31,324
19	245 Excavator	1	362h	Oh	5/13/96	7/15/96	\$33,362	\$0	\$0	\$33,362
39	Butler Maintenance Cost	10	3078h	Oh	5/13/96	7/4/96	\$30,780	\$0	\$0	\$30,780

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act Cost	Rem. Cost
47	Construct Channels	\$1,080	#####	\$0						
2	D8N Dozer w/ripper	1	6h	Oh	7/15/96	7/16/96	\$364	\$0	\$0	\$364
10	Operators	1	6h	Oh	7/15/96	7/16/96	\$116	\$0	\$0	\$116
39	Butler Maintenance Cost	10	60h	Oh	7/15/96	7/16/96	\$600	\$0	\$0	\$600

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act Cost	Rem. Cost
48	Rock Protection	\$58,506	#####	\$0						
2	D8N Dozer w/ripper	1	32h	Oh	7/16/96	7/22/96	\$1,943	\$0	\$0	\$1,943
3	DT Dozer	1	32h	Oh	7/16/96	7/22/96	\$1,664	\$0	\$0	\$1,664
5	651 Waterwagon	1	32h	Oh	7/16/96	7/22/96	\$1,873	\$0	\$0	\$1,873
6	14G Motorgrader	1	32h	Oh	7/16/96	7/22/96	\$1,394	\$0	\$0	\$1,394
10	Operators	8	224h	Oh	7/16/96	7/19/96	\$4,316	\$0	\$0	\$4,316
15	769 Haul Truck	2	64h	Oh	7/16/96	7/22/96	\$3,359	\$0	\$0	\$3,359
16	988 Loader	1	32h	Oh	7/16/96	7/22/96	\$2,769	\$0	\$0	\$2,769
17	Type "D" Rock	28	32h	Oh	7/16/96	7/17/96	\$38,948	\$0	\$0	\$38,948
39	Butler Maintenance Cost	10	224h	Oh	7/16/96	7/19/96	\$2,240	\$0	\$0	\$2,240

ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act Cost	Rem. Cost
49	Quality Control	\$73,532	#####	\$0						
14	Quality control contractor	0.4	1186h	Oh	9/1/95	1/31/97	\$73,532	\$0	\$0	\$73,532

50 CELL 4A WORK \$301,387 ##### \$0

White Mesa Mill Reclamation Plan

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ID	Name	Total Cost	Vari.	Actual						
51	Dewatering	\$5,000	*****	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
13	Dewatering Costs	5	200h	Oh	1/2/95	1/6/95	\$5,000	\$0	\$0	\$5,000

ID	Name	Total Cost	Vari.	Actual						
52	Construct Wheel Wash	\$20,000	*****	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
18	Wheelwash costs	4	400h	Oh	1/9/95	1/25/95	\$20,000	\$0	\$0	\$20,000

ID	Name	Total Cost	Vari.	Actual						
53	Wheel Wash Operation	\$11,003	*****	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
10	Operators	3	57h	Oh	1/25/95	2/28/95	\$11,003	\$0	\$0	\$11,003

ID	Name	Total Cost	Vari.	Actual						
54	Remove Fencing	\$3,083	*****	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
10	Operators	4	160h	Oh	1/25/95	2/1/95	\$3,083	\$0	\$0	\$3,083

ID	Name	Total Cost	Vari.	Actual						
55	Remove Liner to Cell 3	\$87,839	*****	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
3	DT Dozer	1	137h	Oh	9/1/95	9/26/95	\$7,123	\$0	\$0	\$7,123
5	651 Waterwagon	1	137h	Oh	9/1/95	9/26/95	\$8,017	\$0	\$0	\$8,017
10	Operators	8	1096h	Oh	9/1/95	9/26/95	\$21,120	\$0	\$0	\$21,120
15	769 Haul Truck	4	548h	Oh	9/1/95	9/26/95	\$28,765	\$0	\$0	\$28,765
16	988 Loader	1	137h	Oh	9/1/95	9/26/95	\$11,855	\$0	\$0	\$11,855
39	Butler Maintenance Cost	10	1096h	Oh	9/1/95	9/20/95	\$10,960	\$0	\$0	\$10,960

ID	Name	Total Cost	Vari.	Actual						
56	Remove Clay Layer	\$154,312	*****	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
3	DT Dozer	1	137h	Oh	9/26/95	10/19/95	\$7,123	\$0	\$0	\$7,123
5	651 Waterwagon	1	137h	Oh	9/26/95	10/19/95	\$8,017	\$0	\$0	\$8,017
6	146 Motorgrader	1	137h	Oh	9/26/95	10/19/95	\$5,968	\$0	\$0	\$5,968
10	Operators	5	1779h	Oh	9/26/95	11/27/95	\$34,281	\$0	\$0	\$34,281
15	769 Haul Truck	4	1094h	Oh	9/26/95	11/13/95	\$57,424	\$0	\$0	\$57,424
16	988 Loader	1	274h	Oh	9/26/95	11/13/95	\$23,709	\$0	\$0	\$23,709
39	Butler Maintenance Cost	10	1779h	Oh	9/26/95	10/26/95	\$17,790	\$0	\$0	\$17,790

ID	Name	Total Cost	Vari.	Actual						
57	Quality Control	\$20,150	*****	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
14	Quality control contractor	0.3	325h	Oh	9/1/95	3/8/96	\$20,150	\$0	\$0	\$20,150

ID	Name	Total Cost	Vari.	Actual						
58	MISCELLANEOUS ITEMS	\$1,905,704	*****	\$0						
59	Long Term Care Fund Allowance	\$551,200	*****	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
22	Long Term Care Fund	55.12	Oh	Oh	5/1/97	5/1/97	\$551,200	\$0	\$0	\$551,200

White Mesa Mill Reclamation Plan

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ID	Name	Total Cost	Varl.	Actual						
60	Butler Machinery Mobilization	\$131,000	#####	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
27	Mobilization per 10k dollars	131	Oh	Oh	9/1/95	9/1/95	\$131,000	\$0	\$0	\$131,000
61	Managerial Support	\$1,223,504	#####	\$0						
62	Manager/Engineer	\$280,731	#####	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
28	Manager/Engineer	1	4866h	Oh	1/2/95	5/1/97	\$280,731	\$0	\$0	\$280,731
63	Radiation Safety Officer	\$175,457	#####	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
29	Radiation Safety Officer	1	4866h	Oh	1/2/95	5/1/97	\$175,457	\$0	\$0	\$175,457
64	Secretary	\$70,183	#####	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
30	Secretary	1	4866h	Oh	1/2/95	5/1/97	\$70,183	\$0	\$0	\$70,183
65	Clerk	\$58,486	#####	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
31	Clerk	1	4866h	Oh	1/2/95	5/1/97	\$58,486	\$0	\$0	\$58,486
66	Environmental Technician	\$93,577	#####	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
33	Environmental Technician	1	4866h	Oh	1/2/95	5/1/97	\$93,577	\$0	\$0	\$93,577
67	Maintenance Foreman	\$55,000	#####	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
34	Maintenance Foreman	1	2080h	Oh	1/2/95	12/29/95	\$55,000	\$0	\$0	\$55,000
68	Chemist	\$45,000	#####	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
37	Chemist	1	2080h	Oh	1/2/95	12/29/95	\$45,000	\$0	\$0	\$45,000
69	Security	\$110,596	#####	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
35	Security Personnel	3	11502h	Oh	1/2/95	11/1/96	\$110,596	\$0	\$0	\$110,596
70	Safety Engineer	\$40,000	#####	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
36	Safety Engineer	1	2080h	Oh	1/2/95	12/29/95	\$40,000	\$0	\$0	\$40,000
71	Misc Materials and Supplies	\$182,475	#####	\$0						
ID	Resource Name	Units	Work	Delay	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
38	Misc Supplies	1	4866h	Oh	1/2/95	5/1/97	\$182,475	\$0	\$0	\$182,475

White Mesa Mill Reclamation Plan

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ID	Name	Total Cost	Vari.	Actual				
72	Health Physics Costs (Mill Decom.)	\$112,000	*****	\$0				
	Resource Name	units	Scheduled Start	Scheduled Finish	Cost	Plan Cost	Act. Cost	Rem. Cost
41	Health Physics Program Costs	1	1/2/95	10/25/95	\$112,000	\$0	\$0	\$112,000

***** \$0

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

E/PROJECT WHITE MESA Date 5/3/95 Calc by RVH Sheet 1 of 1

ASSUMPTIONS

TAILING COVER -

- 1. NOMINAL 4 FEET RANDOM FILL LAYER WILL BE REQUIRED FOR BIDDING COVER TAIL.
- 2. 2 FEET OF CLAY/CLAYE MATERIAL FOR ZADON BARRIER
- 3. 2 FEET OF RANDOM FILL
- 4. 2 FEET OF 2.5" DIA. CO. PAVED IN FOR ASPHALT, IS "DESERT PAVING"

CELL 1A

- 1. MATERIALS WILL BE REMOVED TO CELL 2.
- 2. LIME WILL BE REMOVED AND PLACED IN CELL 2.
- 3. ALL CONTAMINATED SOILS WILL BE REMOVED & PLACED IN CELL 3.
- 4. REMAINING DIE & BOTTOM MATERIALS WILL BE UTILIZED AS CHECK LAY. FOR CLAY & RANDOM FILL COST ASSOCIATED WITH THIS ACTIVITY IS INCLUDED IN THE COVER COSTS FOR THE OTHER CELLS.

CELL 2

- 1. NEW EMBANKMENT AND FILL TO BE REMOVED
- 2. MATERIALS FROM BELOW CELL 1 & CELL 2 WORK WILL BE NECESSARY TO FILL THE CELL TO FREE BOARD.

CELL 3

- 1. ALL REMAINING VOLUME & SOILS AREAS WILL BE UTILIZED FOR TAILING DISPOSAL.

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

E/PROJECT WHITE MESA FUEL Date 3/5/95 Calc by E. Van Horn Sheet 1 of 5

MILL DECOMMISSIONING

A) REMOVAL OF CONTAMINATED MATERIAL FROM CRE PAD

Assume -

• 18" will have to be removed.

$$\text{Area} = [500 \times 1500] + [450 \times 600] = 1,020,000 \text{ ft}^2$$

$$= 23.4 \text{ Acres}$$

$$\text{Volume} = [1,020,000 \text{ ft}^2 \times 15 \text{ ft}] \div 27 = 41,310 \text{ yd}^3$$

41,300 yd³

B) REMOVAL OF CONTAMINATED SOILS FROM MILL YARD

Assume -

• 18" will have to be removed

$$\text{Area} = [1150 \times 500] + [650 \times 500] = 1,130,000 \text{ ft}^2$$

$$\text{Volume} = [1,130,000 \text{ ft}^2 \times 15 \text{ ft}] \div 27 = 62,778 \text{ yd}^3$$

62,800 yd³

C) REMOVAL OF CONTAMINATED SOILS FROM ASBESTOS STORAGE AREA

Assume -

18" will have to be removed

$$\text{Area} = 400 \times 300 = 120,000 \text{ ft}^2$$

$$\text{Volume} = [120,000 \times 15] \div 27 = 6,667 \text{ yd}^3$$

6,700 yd³

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

PROJECT DATE MESA RECL Date 5/8/95 Calc by E Van Horn Sheet 2 of 3

Mill (Serial 7 Cont.)

D REMOVAL OF CONTACT WASTE SOILS FROM 'NORTH FORT' STORAGE AREA

ASSUME -

6" WILL HAVE TO BE REMOVED

AREA IS $950 \times 500' = 475,000 \text{ ft}^2$

VOLUME $[475,000 \text{ ft}^2 \times 0.3 \text{ ft}] \div 27 = 5185 \text{ yd}^3$

5185 \approx 5,200 yd^3

DESCRIPTION	QTY	MEANING (EST) EFF	MULT	RESULTING Efficiency	(637 Hrs)	FLTHRS
ORE PILE	41,300	256	.75	192	215	54
MILL YARD	62,800	256	50	128	490	123
ADJ STORAGE	6,700	256	50	128	52	12
STORAGE AREA	8,800	256	.50	128	69	17

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

E/PROJECT White Mesa Ref. Date 3/5/95 Calc by R. Ver. H. Sheet 3 of 5

MILL DECOMMISSIONING

F) Assume original 1985 White Mesa Ref. job realistic @ 35,360 hrs
 If job were to take 6 months, the crew size is

$$\frac{35,360 \text{ hrs}}{1} \times \frac{50 \text{ man-wk}}{26 \text{ wks}} = \frac{\text{man-wk}}{\text{40 hr}} = \boxed{34 \text{ men}}$$

<u>WORK DESCRIPTION</u>	<u>% Allocation</u>	<u>HOURS</u>
MILL DEMOLITION	23	8133
PRE LEACH	5	1768
COARSE ORE	9	3182
SX	18	6365
ULD	15	5304
SAMPLE PLANT	4	1415
ACID TANK	5	1768
PL THICKENER	7	2475
FOURER	9	3182
VARIOUS OPERATIONS	5	1768
	<u>100</u>	<u>35,360</u>

G) Tool Allowance for Small Tools will be easier on
 \$50 / man-wk included.

- SAFETY GEAR
- BOTTLED GAS
- HAND TOOLS
- WELDING / TORCHES.

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

PROJECT MILL DECOM Date _____ Calc by _____ Sheet 4 of 5

MILL DECOM

H) REQUISITE OF MILL YARD, ORE PAD, STORAGE AREA ETC

	<u>AREA</u>
Ore Pad.	1,020,000
MILL YARD	1,130,000
Acid STORAGE	120,000
STORAGE AREAS	<u>475,000</u>
	3,745,000

$$2,745,000 - 43560 \text{ ft}^2/\text{A} = 63 \text{ ACRES.}$$

TOTAL NECESSARY =

6" THICK

$$2,745,000 \text{ ft}^2 \times \frac{6}{12} \text{ ft} = 1,372,500 \text{ ft}^2$$

$$= 50,833 \text{ yd}^3$$

So 50,850 yd³

EQUIPMENT REQUIRED —

Assume 67 EFFICIENCY OF 256 PCY / HR

$$50,850 \text{ yd}^3 \times \frac{1 \text{ Hour}}{256 \text{ PCY}} = 199 \text{ hrs}$$

So 200 hrs

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

E/PROJECT White Mesa Decon Date Calc by Sheet 5 of 5

Mill Decon (Cont)

I) Assume 1985 Crane Lease Correct

2 65 ton cranes / 4 months = 1304 hrs

1 30 ton crane - 4 months = 692 hrs.

65 ton cranes cost [less operator] \$8000 / month

8000 - 172 hours / month =

\$46.24 / hour

300 ton crane costs [less operator] \$5500 / month

5500 - 172 hr / mo =

= 31.79
\$40.00 / hr

Work	65 ton		30 ton	
	%	Hrs	%	Hrs
MILL BUILDING	40	554	10	69
PRE LEACH	5	69	7	48
COARSE ORE	-	-	10	69
SX	10	138	10	69
CCD	5	69	20	138
SAMPLE PLANT	-	-	15	104
ACID TANK	-	-	10	69
PL THICKENING	10	138	5	35
BOILER	15	208	5	35
VANADIUM OXIDATION	15	208	8	55

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

W/PROJECT W/HT NEW REC Date 5/2/57 Calc by Eva. Form Sheet 1 of 3

Below = Calculations For Cell 1

A Crystall Volume -

CELL AREA IS 53 ACRES.

AVERAGE CRYSTAL DEPTH IS 2 FT

$$53A \times 43,560 \text{ ft}^2/A \times 2 \text{ FT THICK} = 4,617,360 \text{ ft}^3$$

$$= 171,013 \text{ yd}^3$$

SAY

171,000 yd³

B SOIL COVER OVER PVC LINER

CELL AREA IS 53 ACRES.

AVERAGE SOIL DEPTH IS 18"

$$53A \times 43,560 \text{ ft}^2/A \times 1.5 =$$

$$3,463,020$$

$$= 128,260 \text{ yd}^3$$

SAY

128,250 yd³

C PVC LINER

ASSUME LINER & ASSOCIATED MATERIAL
 VOIDS IS 6" THICK

$$53A \times 43,560 \text{ ft}^2/A \times 0.5 \text{ FT THICK} =$$

$$1,154,340 \text{ ft}^3$$

$$= 42,753 \text{ yd}^3$$

SAY

42,750 yd³

D CONTAMINATED MATERIAL UNDER LINER

ASSUME AVERAGE OF 1 FOOT OVER CELL

$$53A \times 43,560 \text{ ft}^2/A \times 1.0 \text{ FEET THICK} =$$

$$2,308,680 \text{ ft}^3$$

$$= 85,507 \text{ yd}^3$$

SAY

85,500 yd³

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

PROJECT..... Date..... Calc by..... Sheet 2 of 3

Volume Calculation For Cell 1

E TOTAL VOLUME OF MATERIAL MOVED TO CELL 3

CRYSTALS	171,000
SOIL COVER	128,250
PVC LINER	42,750
CONTAMINATED MATERIAL	85,500

427,500 yd³

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

E/PROJECT White Mesa Cell Date 3/16/85 Calc by E. Van Horn Sheet 3 of 3

CELL 1 EFFICIENCY CALCULATIONS

PER TOX GROUP'S 2/85 CALCULATION, THE HOURS WERE BASED AT 0.5 BCS/HOUR FOR THE MAIN BETWEEN CELL 1 & CELL 4A. SINCE ALL CELL 1 MATERIALS ARE NOW SCHEDULED FOR CELL 3, WE WILL USE THESE FIGURES IN OUR NEWER ROUTE CALCULATION. THIS WILL RESULT IN A CONSERVATIVE ESTIMATE.

NOTE THAT OUR 0.5 BCS PER HOUR IS A CURRENT EFFICIENCY

<u>DESCRIPTION</u>	<u>765</u>	<u>085</u>	<u>145</u>	<u>QTY</u>	<u>765 HRS</u>	<u>FLEET HRS</u>
CONCRETE DEMOLITION	4	1	1	171,000	2895	725
SOIL COVER	4	1	1	128,250	2174	544
PVC COVER	4	1	1	42,750	724	181
CONTAINMENT MATERIALS	4	1	-	85,500	1449	362
TOTAL FLEET HOURS						<u>1812</u>

NOTE: WHERE APPROPRIATE, 0.5 BCS PER HOUR IS USED IN OUR TOTAL FLEET HOURS.
 TOTAL FLEET HOURS = 5436 hrs

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

E/PROJECT WHITE MESA CELL Date 5/2/95 Calc by F Van der sheet 1 of 4

VOLUME CALCULATION FOR CELL 2

1) RANDOM FILL ALREADY PLACED

FROM CAD, AREA OF CELL 2 = 3,028,052 ft²
 = 69.5 Acres

say 70 Acres

AREA OF RANDOM FILL PLACED = 2,480,796 ft²
 = 63.8 Acres

ISSUME FILL THICKNESS MINIMUM OF 3 ft

VOLUME PLACED = 2,480,796 x 3 = 7,442,388 ft³
 = 275,644 yd³

say 275,500 yd³

2) 12" LIFT OF RANDOM FILL LEFT TO PLACE

3,028,052 - 2,480,796 = 547,256 ft²

3 feet thick x 547,256 ft² = 1,641,768 ft³
 = 60,806 yd³

say 60,800 yd³

3) BALANCE OF LOWER ESTIMATED FILL LIFT (12") [COVER ONLY]

3 ft x 70 A x 43,560 ft²/A = 3,049,200 ft³
 = 112,933 yd³

say 112,950 yd³

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

PROJECT WHITE MESA CELL Date = 1/2/95 Calc by E. Ver. 4/95 Sheet 2 of 4

4) CLAY LAYER (2 ft thick)

$$2 \text{ ft} \times 70 \Delta \times 43,560 \text{ ft}^2/\Delta = 6,098,400 \text{ ft}^3$$

$$= 225,866 \text{ yd}^3$$

say 225,900 yd³

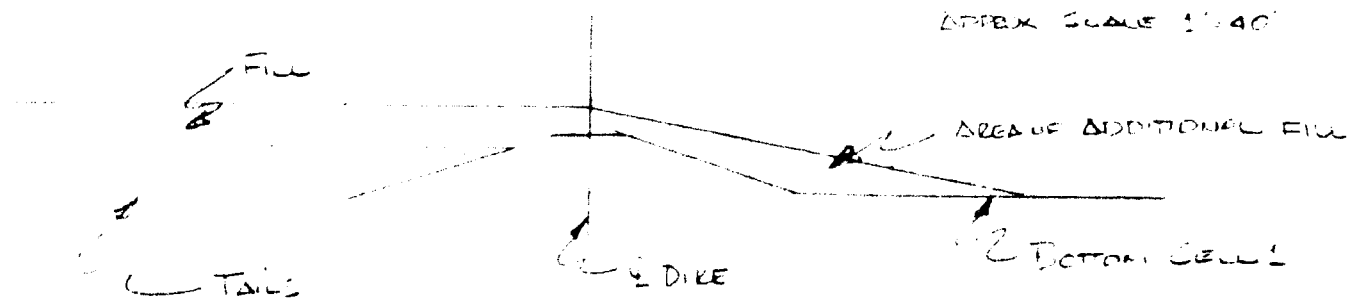
5) UPPER ZONCH. FILL LAYER (2 FEET) [OVERBURD]

$$2 \text{ ft} \times 70 \Delta \times 43,560 \text{ ft}^2/\Delta = 6,098,400 \text{ ft}^3$$

$$= 225,866 \text{ yd}^3$$

say 225,900 yd³

6) EARTH FILL NECESSARY FOR NORTHERN DIKE [CELL 1]
 & WESTERN DIKE TO BRING SLOPE FROM 3:1 TO 5:1



$$\text{AREA} = \left[\frac{30 \times 17}{2} \right] - \left[\frac{40 \times 17}{2} \right] = 425 \text{ ft}^2$$

GIVEN THAT NORTHERN PERIMETER IS 3,400 FEET LONG
 & THAT WESTERN DIKE IS 500 FEET ...

$$[3,400 + 500] \times 425 \text{ ft}^2 = 1,657,500 \text{ ft}^3$$

$$= 61,385 \text{ yd}^3$$

say 61,400 yd³

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

E/PROJECT WHITE MESA REEL Date 5/31/95 Calc by R. Van Horn Sheet 3 of 4

1) ROCK ARMOR [ASSUMING DEBERT PAVEMENT]

$D_{50} = 0.15$ [ASSUME MINIMUM THICKNESS PRACTICAL - 2"]

∴ THICKNESS OF ROCK TO BE PLACED INTO TOP OF FU :

$$\begin{aligned} 70\Delta &= 42,560 \text{ ft}^2/\Delta \times \frac{1}{6} = 508,200 \text{ ft}^3 \\ &= 18,822 \text{ yd}^3 \\ \text{say} & \quad \boxed{18,850 \text{ yd}^3} \end{aligned}$$

2) ROCK ARMOR ON SIDE SLOPES

$$\begin{aligned} [3400 - 500] \times 95 \text{ SLOPE DIST} \times \frac{1}{6} &= 61,750 \text{ ft}^3 \\ &= 2,287 \text{ yd}^3 \\ \text{say} & \quad \boxed{2,300 \text{ yd}^3} \end{aligned}$$

3) ROCK ARMOR ON SIDE SLOPES ASSUMING $D_{50} = 4"$ RIPRAP

(C) $D_{50} = 4"$ PLACED THICKNESS OF $2 \times \text{dia} = 8"$

$$\begin{aligned} [3400 - 500] \times 95 \text{ SLOPE DIST} \times \frac{8}{12} &= 239,200 \text{ ft}^3 \\ &= 8,859 \text{ yd}^3 \\ &= \boxed{8,850 \text{ yd}^3} \end{aligned}$$

4) ALL ROCK TO BE DELIVERED TO SITE IN 25' HIGH PILES FOR LEVEL

(C) 4×2700 (delivered to storage)

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

WEP/PROJECT NAME: MECA CELL Date: 5/5/95 Calc by: E. Veriform Sheet 4 of 4

CELL 2 WORK

As per T. Glick's call of 3/92, material hauls will be estimated using 3 representative route models and assigned % to them:

<u>ROUTE</u>	<u>% OF TOTAL</u>
1	24%
2	36%
3	40%

EFFICIENCIES AS CALCULATED BY CATERPILLAR FPC

<u>ESTD SCEN.</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>WEIGHTED AVG.</u>	<u>PER EACH SCRAPER</u>
CLAY	348	432	534	453	227
FILTER	537	378	598	511	256
LANDFILL	537	378	598	511	256
VEGETATIVE	548	382	495	467	234

Therefore

<u>DESCRIPTION</u>	<u>QTY</u>	<u>EFF.</u>	<u>SCRAPER HOURS</u>	<u>FLEET HOURS</u>
EMULSION LIFT	60,500	256	238	60 *
12' LOWER RF	112,950	256	442	111 *
CLAY LAYER	225,900	227	996	249
UPPER EMULSION FILL	225,900	256	882	221
DYE SLURRY REDUCTION	61,400	256	240	60
DESERT TRAIL	18,850	256	74	19
ROAD DRIVE (1690)	8850	59	150	38

* Because of irregularities in the trucking surface & potential for settling after the haul, the budget lift these values need to be increased by 30% to account for variability.

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

E/PROJECT WHITE NEVA CELL Date = 1/1/75 Calc by E. V. H. Sheet 1 of 5

VOLUME CALCULATION FOR CELL 3

1) RANDOM FILL ALREADY PLACED

$$\begin{aligned} \text{FROM CAD, AREA OF CELL 3} &= 2,500,386 \text{ ft}^2 \\ &= 70.25 \text{ Acres} \\ \text{CAD} & \boxed{70 \text{ Acres}} \end{aligned}$$

$$\begin{aligned} \text{AREA OF RANDOM FILL PLACED} &= 851,820 \text{ ft}^2 \\ &= 18.30 \text{ Acres} \end{aligned}$$

ASSUME FILL THICKNESS MINIMUM = 3 FT

$$\begin{aligned} \text{VOLUME PLACED} &= 851,820 \times 3 = 2,555,460 \text{ ft}^3 \\ &= 94,647 \text{ yd}^3 \\ \text{CAD} & \boxed{94,650 \text{ yd}^3} \end{aligned}$$

2) 1/2 LIFE OF RANDOM FILL LEFT TO PLACE

$$\begin{aligned} 3,080,386 - 851,820 &= 2,228,566 \text{ ft}^2 \\ 3 \text{ FT THICK} \times 2,228,566 \text{ ft}^2 &= 6,625,698 \text{ ft}^3 \\ &= 245,396 \text{ yd}^3 \\ \text{CAD} & \boxed{245,400 \text{ yd}^3} \end{aligned}$$

3) REMAINING = RANDOM FILL TO PLACE (2' MINIMUM)

$$\begin{aligned} 1.4 \times 708 &= 991,200 \text{ ft}^2 \\ &= 2,048,200 \text{ ft}^3 \\ &= 112,933 \text{ yd}^3 \\ \text{CAD} & \boxed{112,950 \text{ yd}^3} \end{aligned}$$

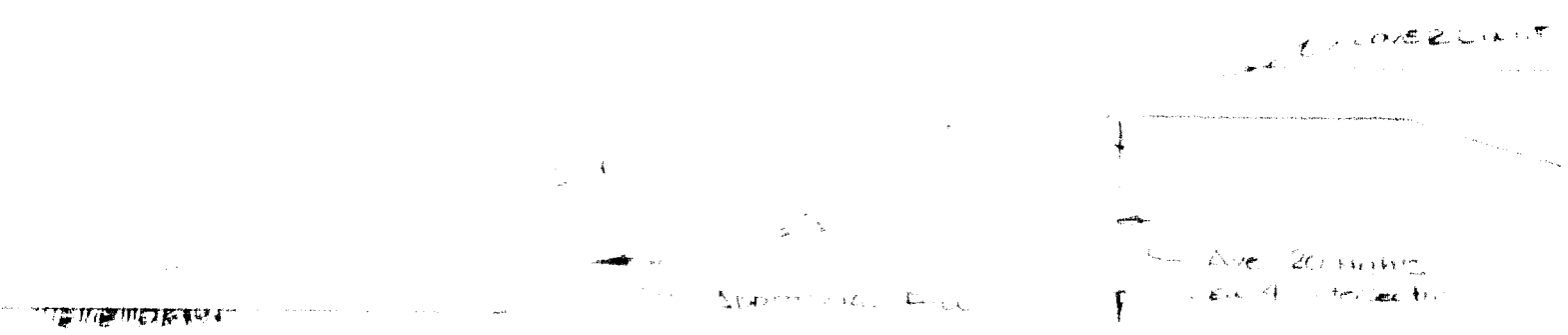
ENERGY FUELS NUCLEAR, INC.
Cost Estimate

E/PROJECT WHITE MEA CEL Date = 12/15/55 Calc by E. Van Horn Sheet 2 of 7
CEL 3 VOLUME CALC

4) SLAB LAYER (OFF TRUCK)
 $2 \text{ ft} \times 70 \Delta = 43,760 \text{ ft}^2/\Delta$ 6,098,400 ft^3
= 225,800 yd^3
 (use 250 #/cu yd)
 sum 225,900 yd^3

5. Upper Layer Fuel (2' thick)
 $2 \text{ ft} \times 70 \Delta = 43,760 \text{ ft}^2/\Delta$ 6,098,400 ft^3
= 225,800 yd^3
 sum 225,900 yd^3

6. Concrete Slab (2' thick) (see page 1)



AREA $\frac{225 \times 225}{2} = \left[\frac{112,225}{2} \right]$ 625 ft^2

7. Assume that the concrete slab is 2' thick
 $2 \text{ ft} \times 625 = 1,250 \text{ ft}^3$ 2,187,500 ft^3
81,018 yd^3
 sum 81,000 yd^3

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

DE/PROJECT NAME: [illegible] Date: [illegible] Calc by: [illegible] Sheet 5 of [illegible]

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ENERGY FUELS NUCLEAR, INC.
Cost Estimate

INE/PROJECT WHITE MESA 2022

Date 5/14/75 Calc by E. Van Horn

Sheet 4 of 5

3. Base Area for Side Slopes Assumed 110' x 100' 2' grad

$$[(120' \text{ width} + 300' \text{ ft}) \times (100' \text{ site dist} + 100' \text{ ft})] = 523,200 \text{ ft}^2$$

① 150' x 4' Placed Thickness 24 @ 8'

$$523,200 \times 5' = 2,616,000 \text{ ft}^3$$

$$2,616,000 \text{ yd}^3$$

$$\boxed{2,616,000 \text{ yd}^3}$$

② 150' x 4' Placed Thickness 24 @ 8'

ENERGY FUELS NUCLEAR, INC. Cost Estimate

E/PROJECT

TE/PLANT

Date 3/1/50

Calc by

C. Smith

Sheet 1 of 2

ESTIMATE OF COSTS FOR THE PLANT

ESTIMATE OF COSTS FOR THE PLANT

ESTIMATE OF COSTS FOR THE PLANT

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ESTIMATE OF COSTS FOR THE PLANT

ESTIMATE OF COSTS FOR THE PLANT

DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL	PERCENT OF AMOUNT	PERCENT OF TOTAL
...	...	42	...	...	...	...
...
...
...	...	48	...	...	...	...

DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL	PERCENT OF AMOUNT	PERCENT OF TOTAL
...	...	4	...	...	...	...
...	...	4	...	...	...	...
...	...	4	...	...	...	...
...	...	4	...	...	...	...
...	...	4	...	...	...	...
...	...	4	...	...	...	...
...	...	4	...	...	...	...
...	...	4	...	...	...	...
...	...	4	...	...	...	...

* Includes 10% contingency for the above estimate of total cost. These values should be increased by 30% to account for overhead.

ENERGY FUELS NUCLEAR, INC.
Cost Estimate

E/PROJECT West Fork Dam Date 7/21/57 Calc by J. W. ... Sheet 1 of 6

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ENERGY FIELDS NUCLEAR, INC. Cost Estimate

MINE/PROJECT EQUIPMENT (CONT.) Date 5/10/85 Calc by R. Venturini Sheet 1 of 1

WALKER 2-1002 & TRUCK 5/8185

EPN 2250 10000

10000

CONTAINER ENGAGING TOOLS (GET)

WALKER 2-1002 & TRUCK 5/8185 TO 15%

BASED ON 10000, THE ABOVE COSTS WILL BE

ADJUSTED TO REFLECT THE COST OF 10000 GET TOOLS

AS SHOWN IN THE ATTACHED STATEMENT OF WORK

DATE

Estimated Monthly

Equipment	Quantity	#	Per	Expense	Total	\$/T Rate
WALKER	10000	11	232	2552	2127	66.00
TRUCK	10000	3	200	600	6071	34.00
DRUM	10000	2	14	28	5129	28.00
ROCK	10000	1	08	8	5498	30.00
38" F	10000	1	82	82	5787	32.00
38" F	10000	1	22	22	6075	48.00
10" 3/4"	10000	1	4	4	5249	28.00
10"	10000	1	5	5	5244	30.00
10"	10000	1	82	82	5832	30.00
600 3/4"	10000	1	18	18	3190	18.00
10"	10000	1	61	61	4356	24.00
10"	10000	1	50	50	6360	34.00

The Monthly Mine Charge of \$20,000 will be increased each month from month 10 until Butler Mobilization 2 will end with Butler De Mob.



Butler Machinery Company • (701) 232 0033 • FAX (701) 298 1717 • 1351 Page Dr. • Box 9599 • Fargo, ND 58100

MAY 8, 1995

ENERGY FUELS NUCLEAR, INC.
 ATTN: RICK VAN HORN
 2764 COMPOSS DRIVE, SUITE 101
 GRAND JUNCTION, CO 81506



DEAR RICK:

THANK YOU FOR THE INVITATION TO QUOTE ENERGY FUELS NUCLEAR, INC. (EFNI) THE EQUIPMENT NEEDED FOR THEIR MINING PROJECT IN BLANDING, UTAH. BUTLER MACHINERY COMPANY (BUTLER) RESPECTFULLY SUBMITS OUR PROPOSAL FOR A MAINTAINED FLEET OF CATERPILLAR MACHINES.

LISTED ON ATTACHMENT A, YOU WILL FIND THE MODELS, QUANTITIES, MONTHLY RENTAL RATES, HOURS ALLOWED PER MONTH, EXCESS HOUR CHARGE, GUARANTEED NUMBER OF MONTHS RATES ARE BASED UPON, TOTAL FREIGHT CHARGES AND THE MAINTENANCE RATE PER HOUR FOR MATERIALS ONLY.

ALL RATES SHOWN ON ATTACHMENT A DO NOT INCLUDE ANY STATE, LOCAL, PROPERTY OR ANY OTHER TAXES THAT MAY BE APPLICABLE.

RATES ARE BASED UPON ELECTRIC HOUR METER READINGS WHICH ARE ATTACHED TO THE DASH OF EACH MACHINE. RATES ARE BASED ON 176 HOURS OF USE EACH MONTH. EXCESS HOUR CHARGES, IF ANY, WILL BE CALCULATED AND INVOICED AT THE END OF THE PROJECT. THERE WOULD BE NO CREDIT ISSUED FOR ANY HOURS UNDER THE ALLOWED DURING THE TERM OF THIS PROPOSAL. IF EFNI ELECTS TO DOUBLE SHIFT MACHINES, THEN BUTLER WOULD INVOICE THOSE HOURS AT THE END OF EACH MONTH. (TO FIGURE THE DOUBLE SHIFT RATES, TAKE THE EXCESS HOUR RATE SHOWN ON ATTACHMENT A TIMES THE NUMBER OF HOURS).

RATES ARE BASED UPON A MINIMUM GUARANTEE OF 3 MONTHS AND A PACKAGE DEAL. IF EFNI WERE TO GUARANTEE A LONGER RENTAL TERM FOR ALL MACHINES LISTED ON ATTACHMENT A, THEN BUTLER WOULD ALLOW THE FOLLOWING ADDITIONAL DISCOUNTS ON THE MONTHLY RENTAL RATES AND EXCESS HOUR CHARGES RETROACTIVE TO DAY ONE: 1. FOR A MINIMUM OF 6 MONTHS RENT, DEDUCT 5%. 2. FOR A MINIMUM OF 9 MONTHS RENT, DEDUCT 10%, OR 3. FOR A MINIMUM OF 12 MONTHS RENT, DEDUCT 15%.

MAINTENANCE:

THE MAINTENANCE RATES PER HOUR LISTED ON ATTACHMENT A INCLUDES THE MATERIAL PART ITEMS ONLY, SUCH AS AIR, OIL, AND FUEL FILTERS, LUBRICANT OILS, GREASE, ANTI-FREEZE, BATTERIES, FAN BELTS, LIGHTS AND MAKE-UP OILS. BUTLER WOULD INVOICE EFNI ACTUAL HOURS USED ON MACHINES AT THE END OF EACH MONTH.

Fargo, ND 58106 1-20 S 32nd Ave S P.O. Box 9599 (701) 290-3100	Bismarck, ND 58002 1-04 8th St P.O. Box 757 (701) 223-0000	Minot, ND 58702 Hwy 2 Bypass E P.O. Box 1088 (701) 892-3908	Grand Forks, ND 58200 1201 S. 40th St. P.O. Box 12280 (701) 776-4228	Rapid City, ND 57709 1-80. Goodwood Ave. P.O. Box 2070 (605) 342-4800	Brown Falls, ND 58101 1-20 8th St P.O. Box 1207 (605) 334-8810	Aberdeen, ND 58401 4850 E. Highway 12 P.O. Box 38 (605) 224-8840	Grand City, ND 58101 318 1st St. (713) 277-1300 Lift Truck Only
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MAY 8, 1995
ENERGY FUELS NUCLEAR, INC.
PAGE 2

OUR MONTHLY MAINTENANCE CHARGE WOULD BE \$20,750.00, WHICH INCLUDES OUR LABOR, SPECIALIZED LUBE TRUCKS, SUPPORT VEHICLES AND EQUIPMENT, SPECIALIZED TOOLING, SCHEDULED OIL SAMPLING, PARTS TRAILERS AND INVENTORIES, MILEAGE AND TRAVEL EXPENSE. BUTLER WILL PROVIDE TWO (2) FULL-TIME MAINTENANCE TECHNICIANS ON SITE FIFTY (50) HOURS PER WEEK ON A SCHEDULE TO BE DETERMINED, MONDAY THROUGH FRIDAY. EFNI WOULD HAVE TO SCHEDULE THE MACHINES AVAILABLE FOR A TIME FRAME YET TO BE DETERMINED ADEQUATE FOR BUTLER MAINTENANCE PERSONNEL TO PERFORM THE REQUIRED MAINTENANCE. BUTLER WOULD INVOICE EFNI FOR THE MONTHLY MAINTENANCE CHARGE AT THE BEGINNING OF EACH MONTH.

REPAIRS:

BUTLER WOULD BE RESPONSIBLE FOR ALL REPAIRS INCLUDING PARTS AND LABOR ON OUR MACHINES OTHER THAN FAILURES CAUSED BY DAMAGES OR MIS-USE. REPAIRS INCLUDE ITEMS AS MINOR AS STARTERS, ALTERNATORS, WATER PUMPS, HYDRAULIC HOSES, ETC. TO THE MAJOR ITEMS SUCH AS ENGINES, TRANSMISSIONS, DIFFERENTIALS, BRAKES, HYDRAULIC PUMPS AND CYLINDERS, ETC. IF TIME PERMITS AND EFNI REQUESTS BUTLER'S TECHNICIAN TO PERFORM REPAIRS OR MAINTENANCE ON THEIR MACHINES, OUR HOURLY CHARGE WOULD BE \$45.00 PER HOUR PLUS MATERIALS.

FREIGHT:

FREIGHT CHARGES INCLUDE BOTH DELIVERY AND RETURN, ASSEMBLY, AND DISASSEMBLY OF EQUIPMENT.

EFNI'S RESPONSIBILITIES INCLUDE:

OPERATORS. PROVIDE THE OPERATORS AS NEEDED TO OPERATE MACHINES AS STATED IN CATERPILLAR'S OPERATING GUIDE. BUTLER WILL PROVIDE, AT NO EXPENSE TO EFNI, QUALIFIED TRAINING INSTRUCTORS FOR THE PURPOSES OF TRAINING OPERATORS. THIS TRAINING WOULD TAKE PLACE ON THE JOBSITE AT THE INITIAL START UP OF THE JOB AND WOULD INCLUDE CLASSROOM, WALK AROUND, AND IN IRON DEMONSTRATIONS.

FUEL. SUPPLY AND FILL ALL FUEL FOR EQUIPMENT INCLUDING BUTLER'S SERVICE VEHICLES.

DAMAGES. THIS INCLUDES GLASS BREAKAGE, BENT HANDRAILS, STEP LADDERS, FENDERS, ETC. BUTLER'S NORMAL POLICY FOR REPAIRING DAMAGES TO RENTAL MACHINES IS TO REPAIR THEM WHEN THE RENTAL PERIOD IS COMPLETED, HOWEVER, IF THE DAMAGED ITEM IS OF A SAFETY CONCERN, WE WOULD REPAIR THE DAMAGES AS SOON AS POSSIBLE AFTER THEY OCCURRED. AN ITEMIZED LIST OF THE PARTS AND LABOR REQUIRED WOULD BE PROVIDED TO EFNI PRIOR TO STARTING THE REPAIR, AND INVOICED AT CURRENT LIST PRICES PLUS FREIGHT UPON COMPLETION.

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ENERGY FUELS NUCLEAR, INC.
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UNDERCARRIAGE AND TIRES: EFNI WOULD BE RESPONSIBLE FOR ALL TIRE WEAR INCLUDING TIRE DAMAGES ON THE MACHINES WITH AN ASTERISK LISTED ON ATTACHMENT A. EQUIPMENT WOULD HAVE TO BE RETURNED WITH SAME BRAND AND MODEL TIRES AS WHEN DELIVERED, OR PRORATED ACCORDINGLY BY PERCENTAGE OF TIRE WEAR AND CONDITION AT TERMINATION OF RENTAL PERIOD.

UPON DELIVERY OF MACHINES, A REPRESENTATIVE OF BUTLER, A REPRESENTATIVE OF EFNI AND A REPRESENTATIVE FROM AN INDEPENDENT TIRE DEALER OR MANUFACTURER WOULD JOINTLY VERIFY IN WRITING THE CONDITION, PERCENTAGE OF WEAR, AND TIRE VALUE. UPON TERMINATION OF RENTAL, WE WOULD AGAIN HAVE THE REPRESENTATIVES MENTIONED ABOVE DETERMINE THE CONDITION, PERCENTAGE OF WEAR, AND TIRE VALUES. ANY DIFFERENCES NOTED, WOULD THEN BE CHARGED OR CREDITED TO EFNI INCLUDING BOTH MATERIALS AND LABOR.

UNDERCARRIAGE WEAR ON ALL TRACK TYPE MACHINES WOULD BE BUTLER'S EXPENSE.

GROUND ENGAGING TOOLS:

EFNI WOULD BE RESPONSIBLE FOR ALL PARTS RELATING TO GROUND ENGAGING TOOLS (G.E.T.), I.E. CUTTING EDGES, RIPPER TIPS AND PROTECTORS, BUCKET TIPS AND ADAPTERS, EDGES BETWEEN ADAPTERS, WEAR PLATES ON BOTTOM OF BUCKETS AND ALL MOUNTING HARDWARE. BUTLER WOULD INSTALL THESE ITEMS ON AN AS NEEDED BASIS AT THE CURRENT CATERPILLAR LIST PRICE PLUS FREIGHT AT NO ADDITIONAL LABOR COSTS. ALL MACHINES WOULD BE DELIVERED WITH NEW G.E.T. ITEMS AND ARE TO BE RETURNED WITH NEW.

WE WISH TO THANK EFNI AND YOU FOR GIVING US THE OPPORTUNITY TO PRESENT OUR PROPOSAL AND FOR ALL THE CONSIDERATION WE RECEIVE.

SINCERELY YOURS,

BUTLER MACHINERY COMPANY


JOEL W. NIKLE
RENTAL FLEET MANAGER

JWN/del

cc: OSCAR SWENSON, RENTAL FLEET MARKETING MANAGER

ATTACHMENT A
ENERGY FUELS NUCLEAR, INC.
EQUIPMENT NEEDED FOR JOB IN BLANDING, UTAH
MAY 8, 1995

<u>MODEL</u>	<u>QTY</u>	<u>MONTHLY RENTAL RATE</u>	<u>HOURS ALLOWED PER MONTH</u>	<u>EXCESS HOUR CHARGE</u>	<u>MINIMUM GUARANTEED NUMBER OF MONTHS RATE BASED UPON</u>	<u>TOTAL** FREIGHT CHARGES TO & FROM</u>	<u>MAINTENANCE RATE PER HOUR</u>
*637E	4	\$21,000 EA.	176 EA.	\$66 EA.	3 EA.	\$10,000 EA.	\$1.95 EA.
D9N/RIPPER	1	13,000	176	42	3	8,000	1.30
D8N/RIPPER	1	10,500	176	34	3	7,000	1.05
D7H/RIPPER	1	9,000	176	28	3	6,000	.85
325C	1	9,500	176	30	3	7,000	1.00
D80F	1	10,000	176	32	3	7,000	1.05
D988F	1	15,000	176	48	3	8,000	1.30
D769C	4	9,000 EA.	176 EA.	28 EA.	3 EA.	7,000 EA.	1.35 EA.
D145B	1	16,000	176	50	3	12,000	1.25
10,000 GALLON WATER WAGON	1	10,000	176	30	3	8,000	1.70
5,000 GALLON WATER WAGON	1	5,500	176	18	3	3,000	.65
D4G/RIPPER	1	7,500	176	24	3	5,000	.95
D6G/RIPPER	1	11,000	176	34	3	6,000	1.10

* PLUS TIRE WEAR

* INCLUDES ASSEMBLY AND DISASSEMBLY