Appendix C

Piñon Ridge Mill Decommissioning and Reclamation Cost Estimate

PIÑON RIDGE MILL DECOMMISSIONING AND RECLAMATION COST ESTIMATE

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1.0 INTRODUCTION

This decommissioning and reclamation cost estimate for the Piñon Ridge Mill was prepared by Energy Fuels Resources Corporation (Energy Fuels) with the assistance of KGL Associates, Inc. (KGL). The bonding period of the cost estimate is for the first five years of mill operation. For this period, closure costs have been estimated for the build out of the facility which includes the mill, ore pad, Tailings Cell A, 40 acres of evaporation ponds, and access roads within the restricted area. It also includes reclamation of the soil stockpile area west of the restricted area and the monitoring systems located both within and outside of the restricted area. The cost estimate does not include reclamation of the main access road, administration building, guard house, truck scales, and well field, which will be retained for the post-milling land use. Figure 1 shows the areas that are to be reclaimed as part of closure activities.

The cost estimate was prepared for the Colorado Department of Public Health and Environment (CDPHE) and provides information needed by that agency to establish a closure and reclamation bond amount for the facility (6 CCR 1007-1, 18.8.3.4). The bond is intended to provide the state with the necessary funds for site closure and reclamation should Energy Fuels not be able to perform the work. To meet that objective, the estimate was prepared based on a third-party contractor reclaiming the site under the supervision of a project management company. This approach is consistent with state regulations that require "The applicant's cost estimates must take into account total costs that would be incurred if an independent contractor were hired to perform the closure and stabilization work" (6 CCR 1007-1, Part 14.31.1).

The management structure of the decommissioning and reclamation project has three major components; (1) the State of Colorado, (2) a project management company (the state's representative), and (3) a construction contractor. The state oversees overall direction of the project. The project management company oversees all aspects of the progression of the project, from initial planning through final closure and is responsible for preparing the reclamation plan, bid documents, engineering plans, and report submittals. The construction management company is also responsible for insuring that the contractor is in compliance with environmental requirements and the radiation program and the industrial hygiene program. The construction contractor performs the actual construction activities under the direction of the project management company. Sub-contracted work may also be performed based on the capabilities of the construction contractor

1.1 Decommissioning Activities

The reclamation cost estimate accounts for costs associated with the following major decommissioning activities and ancillary categories:

- Decontamination of the Mill Facilities
- Dewatering of the Tailings Impoundment
- Placement of an Interim Impoundment Cover
- Decommissioning and Demolition of the Mill Facilities and Ore Pad
- Decommissioning and Demolition of the Evaporation Ponds

- Construction of the Impoundment Radon Barrier and Other Cover Layers
- Site Grading and Re-contouring
- Site Topsoil Placement and Re-vegetation
- Third Party Primary and Sub-Contractor Support and Overhead
- Radiation and Industrial Hygiene Programs (including Site Contamination Characterization, and Final Status Survey)
- Post-Closure Monitoring
- Decommissioning of Monitoring Systems
- DOE Long Term Care (Monitoring and Maintenance)
- State Administration Fees

These activities are described in detail in Section 3.

1.2 Estimated Bond Amount

The estimated bond amount for reclamation and closure of the Piñon Ridge Mill totals $11,898,480 including $1,634,520 for project management, $8,824,700 for construction activities, and $1,439,260 for other activities including the construction performance bond, post-closure monitoring, decommissioning of monitoring systems, DOE long term care, and state administration fees. Table 1 presents a summary of these estimated costs by activity. Section 2 describes the assumptions and methods used to calculate the bond estimate while Section 3.0 provides a more detailed description of each line item in the estimate.

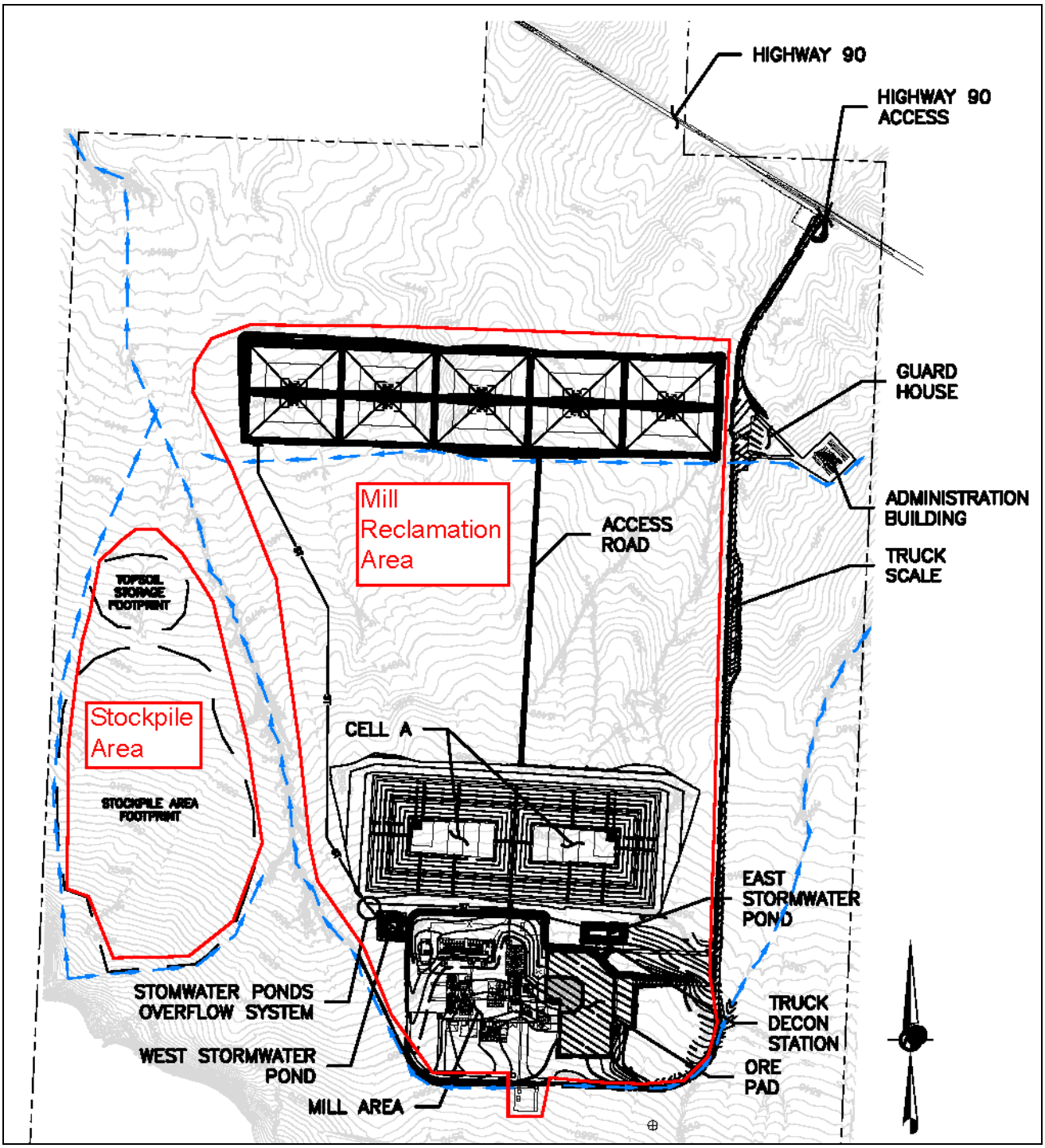


Figure 1 Piñon Ridge Mill Footprint (after Kleinfelder, 2008)

Table 1 Cost Estimate Summary

Item Number	Category	Cost Estimate ($)
	Project Management (Owner's Representative)	
1)	Project Management, Engineering And Overhead	720,410
2)	Characterize Site Contamination Limits	334,260
3a)	Radiation & Ind. Hygiene Programs - Personnel	315,900
3b)	Rad. & Ind. Hyg. Programs - Sample Analysis	263,950
	PM Subtotal	1,634,520
	Construction Contractor	
4)	Contractor Mobilization / Demobilization	128,880
5)	Decontamination of Facility	90,000
6)	Dewater Tailings	163,350
7)	Re-Grade Tailings	18,450
8)	Mill Site Demolition	
8a)	Dismantle Facilities For Disposal	900,000
8b)	Facilities Disposal in Impoundment	255,130
8c)	Ore Pad Disposal in Impoundment	21,960
8d)	Strip and Place Mill Facility Soils in Impoundment	18,490
8e)	Strip and Place Other Site Soils in Impoundment	17,640
8f)	Strip and Place Evaporation Pond Materials	649,220
9)	Construct Interim Fill Cover	144,000
10)	Grout Seal Leak Impoundment Leak Detection	14,270
11)	Construct Tailings Impoundment Cover:	
11a)	Radon Barrier	548,100
11b)	Capillary Break Layer	1,597,740
11c)	Capillary Break Filter Layer	798,870
11d)	Bio-Intrusion Layer	354,740
11e)	Erosion Barrier	120,510
11f)	Erosion Barrier Rock Mulch Layer	798,870
11g)	Rock Blanket	789,400
11h)	Embankment Toe Protection	394,620
11i)	Drainage Channel Filter Layer	7,820
11j)	Drainage Channel Rip Rap	23,160
12)	Perform Site Grading:	
12a)	Mill And Ore Pad	20,250
12b)	Roads	405
12c)	General	90
13)	Place Topsoil: All Remaining Areas	93,510
14)	Seed and Re-vegetate:	
14a)	Impoundment	70,380
14b)	All Remaining Areas	146,970
15)	Construction Contractor Support	637,875
	Construction Contract Subtotal	8,824,700
	Subtotal: Project Management and Construction Contractor	**10,459,220**
16)	Performance Bond (1%)	104,590
17)	Post Closure Monitoring and Maintenance	233,090
18)	Decommissioning of Monitoring Systems	59,130
19)	DOE Long Term Care	827,590
20)	State Administration Fee	214,860
	Total:	**11,898,480**

2.0 ESTIMATION METHODS AND ASSUMPTIONS

CDPHE requires that the reclamation bond estimate be based on the projected maximum cost for closure and reclamation during the licensing period. Normally, this would occur at the end of the 5-year licensing period when facilities will have expanded to their maximum extent. In this case, however, Energy Fuels also evaluated conditions during the first year of operation when extensive backfilling would be required in Tailings Cell A as part of closure. Accordingly, two reclamation scenarios were evaluated. The first scenario involved mill operation for a very short period (less than one year) followed by subsequent backfilling to grade of Tailings Cell A with on-site soil. The second scenario involved longer term mill operation such that Tailings Cell A was filled with process waste (five years or more). A fully engineered Tailings Closure Cover would then be constructed over Tailings Cell A. As discussed in more detail below, the second scenario proved to be more costly and was selected for detailed cost analysis.

The Energy Fuels Resources Corp. engineering group prepared a draft cost estimate for the second scenario based on its knowledge of similar projects. This estimate was then reviewed by KGL Associates, Inc. (KGL) for accuracy and completeness. KGL is a construction company experienced in completing uranium mill decommissioning projects similar to the proposed closure plan for the Piñon Ridge Mill. The draft estimate was then finalized based on comments and a bid price received from KGL. The bid by KGL, as well as its corporate background information are presented in Attachments A and B, respectively.

2.1 Reclamation Scenarios

Reclamation Scenarios 1 and 2 are similar in most respects. In both scenarios, the mill facility and ore pad are fully built, one-half of the evaporation ponds (i.e., 40 acres) are constructed and Tailings Cell A is constructed (Figure 1). These items form the basis of the reclamation cost estimate. At the time of reclamation and closure, all of the mill facility, ore pad and evaporation pond materials are placed within Tailings Cell A, within a disposal vault on top of the tailings material.

In Scenario 1, the mill is operated for less than one year. It is assumed that significant quantities of processed waste were sent to the tailings cell to preclude simple removal. However, insufficient volume of waste in the cell requires Tailings Cell A to be backfilled with on-site soil to grade. Because of the great thickness of the backfill (64 feet), construction of a final, engineered Tailings Closure Cover would not be required. This assumption is based in part on the belief that the great thickness of fill provides protection from potential radon releases that would otherwise be induced by anticipated surface erosion.

In Scenario 2, it was assumed that long-term mill operations (five years or longer) have occurred and that Tailings Cell A is filled to its design limit. A fully engineered Tailings Closure Cover, consistent with the design presented in the Tailings Cell Closure Design Report (Kleinfelder 2009a) , is constructed over the top of Tailings Cell A.

The primary difference between the two scenarios is that Scenario 1 requires the haulage and placement of approximately 1.2 million cubic yards of soil fill while Scenario 2 requires the

installation of the engineered Tailings Closure Cover. Costs for these specific items are compared in Attachment C. Even with the inclusion of an additional $500,000 for revising the closure design, Scenario 1 is lower in cost than Scenario 2. Therefore, Scenario 2 was selected for detailed cost analysis.

2.2 Project Approach

Project tasks were developed for the reclamation and closure estimate based on experience in decommissioning similar projects and a chronological approach to implementing the closure and reclamation plans presented in the Tailings Cell Closure Design Report (Kleinfelder 2009a), Mill Decommissioning Plan (Kleinfelder 2009b) and Specifications for Closure and Reclamation of Mill Facilities (Golder 2009). These tasks are detailed in Section 3 of this estimate. Take-off quantities were derived from the mill construction plans provided by CH2M Hill (2009) and the aforementioned Kleinfelder reports using AutoCAD methods. The demolition quantities from the mill construction plans are detailed in Attachment D.

Total costs for each task were then estimated based on the time and resources to complete the work. Current (i.e., 2009) unit prices for labor and equipment were obtained from several Denver-area construction companies (USA Environment and Ames Construction).Time estimates were developed for each activity based on previous experience and standard reference handbooks (i.e., Caterpillar Performance Handbook and Means Building Construction Cost Data). Costs were then calculated by multiplying the unit prices by the estimated time needed to complete the activity.

KGL reviewed the draft estimate for accuracy and completeness and provided revised unit rates and times for some of the tasks. The estimate was then revised to match KGL's bid presented in Attachment A. As stated in KGL's cover letter, "The Exhibits represent actual bids for similar haul distances and materials, actual quotes for similar tasks, and calculated costs using current equipment, labor, and materials costs." The final unit prices used for labor and equipment in the estimate are presented in Attachments E and F, respectively. Material costs are provided directly in the detailed Cost Estimate Work Sheet found in Attachment G.

2.3 Reclamation Crew, Equipment and Schedule

In developing this estimate, Energy Fuels assumed that the project would be done by a relatively small crew over a longer period of time rather than a larger crew over a shorter time period. This assumption was based on the fact that some tasks, such as dewatering of the tailings, could not be done in a short time period regardless of the level of effort expanded.

Energy Fuels assumed that there will typically be about 7 equipment operators per day performing the reclamation work. Adding the supervisory and radiation program personnel, it is anticipated that the typical daily workforce will be about 10 people. Daily crew size can range from 2 operators to 15 operators, depending on the amount of scheduled work.

Table 2 lists a generalized equipment fleet to be used for demolition and on-site excavation and materials movement. Table 3 lists a generalized equipment fleet to be used for the construction of the Tailings Closure Cover. Details can be found in Attachment G. Operator

wages are separate from the equipment costs. Wages for equipment operators are approximately $18.75 per hour. The burden (employee insurance and employer taxes) is 35%. It is assumed that the equipment is rented.

Table 2 Excavation and Demolition - Equipment Fleet

Equipment	Cost
Trucks (CAT 740)	$85.12 / Hr
Excavator (CAT 365)	$128.13 / Hr
Dozer (CAT D6)	$ 65.88 / Hr
Motor Grader	$ 62.76 / Hr
Scrapers (CAT 613)	$ 33.64 / Hr

Table 3 Tailings Closure Cover Construction - Equipment Fleet

Equipment	Cost
Trucks (Over-The Road)	$ 20.00 / Ton – Material Delivered
Compactor (CAT 563 C)	$ 31.88 / Hr
Scraper (CAT 631)	$ 156.58 / Hr
Water Truck	$ 49.81 / Hr
Dozer (CAT D6)	$ 65.88 / Hr

Excavation and demolition activities include the use of thumb and shear attachments with the excavators. Consumables such as fuel, oil and gas (FOG) are included as cost items. An excavator is used predominantly for materials movement, excavation and truck loading. For this cost estimate, it is assumed that no items to be reclaimed on the site are salvageable and all materials are placed in the tailings vault. This approach is consistence with Nuclear Regulatory Commission guidance provided in NUREG-1757, Volume 3.

Soil stripping and bulk filling is achieved with the use of CAT 613 scrapers along with a motor grader. Movement of native soil for the Tailings Closure Cover will be primarily with scrapers. Placement of imported materials for the Tailings Closure Cover, such as sand and rock, will be accomplished with a CAT D6 dozer. Materials are imported and dumped in place by ”over-the-road” tractor-trailer units. This service is provided by the company supplying those materials. Site grading is to be performed with a CAT 14 motor-grader. Topsoil placement is to be performed with the same equipment as the excavation and demolition fleet.

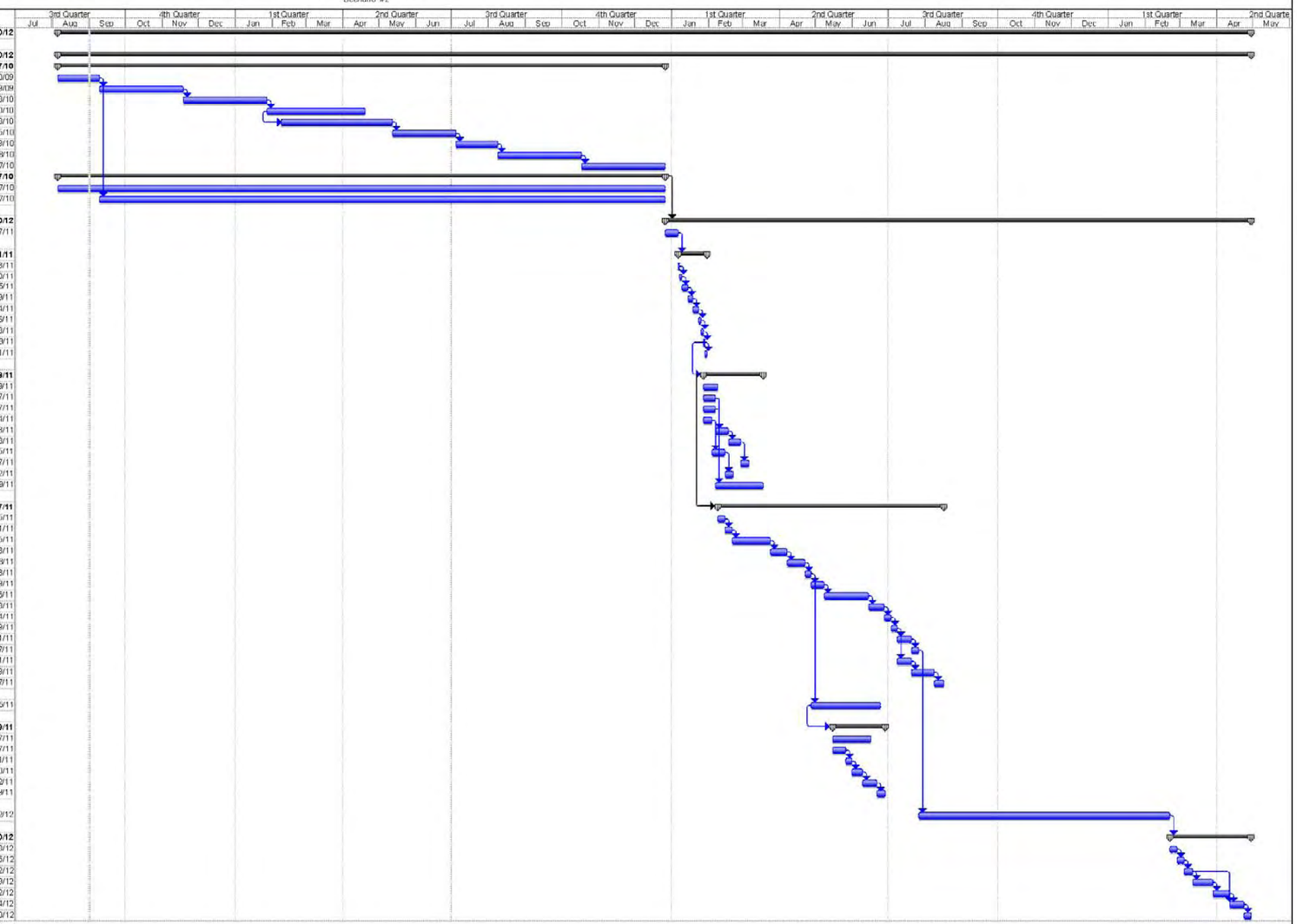
Along with the reclamation cost estimate, a representative schedule of the reclamation activities is included. Project duration (Figure 2) is estimated at 2 years, eight and ½ months (855 days) based on a work schedule of 10 hours per day, 6 days per week. The schedule includes one year for dewatering of the tailings impoundment. This schedule is for direct

reclamation activities and does not include the post-closure monitoring period or the DOE Long-Term care period.

ENERGY FUELS RESOURCES

PINON RIDGE MILL CLOSURE
Closure after 5 or More Years of Operation
Scenario #2

ID	Task Name	Duration	Start	Finish
1	**Pinon Mill Decommissioning**	**855 days**	**Thu 8/6/09**	**Mon 4/30/12**
2				
3	**Pre-Closure Activities**	**855 days**	**Thu 8/6/09**	**Mon 4/30/12**
4	**Regulatory Coordination and Planning**	**435 days**	**Thu 8/6/09**	**Mon 12/27/10**
5	Agency Coordination	30 days	Thu 8/6/09	Thu 9/10/09
6	Prepare Remedial Investigation Work Plan	60 days	Thu 9/10/09	Thu 11/19/09
7	Agency Review	60 days	Thu 11/19/09	Thu 1/28/10
8	Remedial Investigation	70 days	Thu 1/28/10	Tue 4/20/10
9	RI Analytical	60 days	Tue 2/9/10	Thu 5/13/10
10	Prepare RI Report	45 days	Thu 5/13/10	Mon 7/5/10
11	Agency Review	30 days	Mon 7/5/10	Mon 8/9/10
12	Prepare Remedial Action Work Plan	60 days	Mon 8/9/10	Mon 10/18/10
13	Agency Review	60 days	Mon 10/18/10	Mon 12/27/10
14	**Site Monitoring**	**435 days**	**Thu 8/6/09**	**Mon 12/27/10**
15	Site Monitoring, Maintenance, & Security	435 days	Thu 8/6/09	Mon 12/27/10
16	Operate Dewatering System	405 days	Thu 9/10/09	Mon 12/27/10
17				
18	**Remedial Action**	**420 days**	**Mon 12/27/10**	**Mon 4/30/12**
19	Mobilize Staff, Crew, Equipment, and Support Facilities	10 days	Mon 12/27/10	Fri 1/7/11
20				
21	**Facility Decontamination**	**20 days**	**Fri 1/7/11**	**Mon 1/31/11**
22	Area 100: Ore Handling and Grinding Area Decontamination	1 day	Fri 1/7/11	Sat 1/8/11
23	Area 200: Leaching Tank Decontamination	1 day	Sat 1/9/11	Mon 1/10/11
24	Area 300: CCD Thickner Area Decontamination	5 days	Mon 1/10/11	Sat 1/15/11
25	Area 400 Uranium Solvent Extraction Train: Decontamination	3 days	Sat 1/15/11	Wed 1/19/11
26	Area 500 Uranium Precipitation Decontamination	4 days	Wed 1/19/11	Mon 1/24/11
27	Area 600: Vanadium Solvent Extraction / Oxidation Decontamination	2 days	Mon 1/24/11	Wed 1/26/11
28	Area 700 Vanadium Precipitation Facility Decontamination	2 days	Wed 1/26/11	Fri 1/28/11
29	Area 800: Reagents Unloading Bldg. & Warehouse Decontamination	1 day	Fri 1/28/11	Sat 1/29/11
30	General Facility Universal Waste Removal & Disposal	1 day	Sat 1/29/11	Mon 1/31/11
31				
32	**Facility Demolition**	**43 days**	**Fri 1/28/11**	**Sat 3/19/11**
33	De-energize Electrical Systems	10 days	Fri 1/28/11	Wed 2/9/11
34	Area 100 Demolition	8 days	Fri 1/28/11	Mon 2/7/11
35	Area 200 Demolition	8 days	Fri 1/28/11	Mon 2/7/11
36	Area 300 Demolition	6 days	Fri 1/28/11	Fri 2/4/11
37	Area 400 Demolition	10 days	Mon 2/7/11	Fri 2/18/11
38	Area 500 Demolition	8 days	Fri 2/18/11	Mon 2/28/11
39	Area 600 Demolition	9 days	Fri 2/4/11	Tue 2/15/11
40	Area 700 Demolition	6 days	Mon 2/28/11	Mon 3/7/11
41	Area 800 Demolition	6 days	Tue 2/15/11	Tue 2/22/11
42	Area 900 Demolition	35 days	Mon 2/7/11	Sat 3/19/11
43				
44	**Tailings Cell A Closure**	**162 days**	**Wed 2/9/11**	**Wed 8/17/11**
45	Mobilize Equipment	5 days	Wed 2/9/11	Tue 2/15/11
46	Grade Tailings	5 days	Tue 2/15/11	Mon 2/21/11
47	Strip And Place Evaporation Pond Soils in Cell A	28 days	Mon 2/21/11	Fri 3/25/11
48	Place Ore Pad Materials in Cell A	12 days	Fri 3/25/11	Fri 4/8/11
49	Place Mill Facility Soils in Cell A	13 days	Fri 4/8/11	Sat 4/23/11
50	Strip And Place Other On-Site soils in Cell A	4 days	Sat 4/23/11	Thu 4/28/11
51	Construct Interim Fill 90% Cover	9 days	Thu 4/28/11	Mon 5/9/11
52	Construct 90% Radon Barrier Cover	32 days	Mon 5/9/11	Wed 6/15/11
53	Construct 90% Capillary Break	11 days	Wed 6/15/11	Tue 6/28/11
54	Construct 90% Filter Layer	5 days	Tue 6/28/11	Mon 7/4/11
55	Construct 90% Bio-Intrusion Layer	5 days	Mon 7/4/11	Sat 7/9/11
56	Construct 90% Erosion Barrier	10 days	Sat 7/9/11	Thu 7/21/11
57	Place Interim Cover Soil Above Temporary Open Space	5 days	Thu 7/21/11	Wed 7/27/11
58	Construct Rock Blanket Cover	10 days	Sat 7/9/11	Thu 7/21/11
59	Construct Embankment Toe Protection	16 days	Thu 7/21/11	Tue 8/9/11
60	Construct Tailings Cover Drainage Channels	7 days	Tue 8/9/11	Wed 8/17/11
61				
62	**Final Status Surveys**	90 days	Thu 4/28/11	Sat 6/25/11
63				
64	**Site Reclamation**	**38 days**	**Mon 5/16/11**	**Wed 6/29/11**
65	Backfill Evaporation Ponds that have been Closed	28 days	Mon 5/16/11	Fri 6/17/11
66	Grade Mill & Ore Pad	10 days	Mon 5/16/11	Fri 5/27/11
67	Grade Haul Roads	4 days	Fri 5/27/11	Wed 6/1/11
68	General Site Grading	8 days	Wed 6/1/11	Fri 6/10/11
69	Re-Topsoil Cell A	10 days	Fri 6/10/11	Wed 6/22/11
70	Initial Seeding (All-AC)	5 days	Wed 6/22/11	Wed 6/29/11
71				
72	**Post Settlement Dewatering & Site Monitoring**	180 days	Wed 7/27/11	Wed 2/22/12
73				
74	**Final Closure Following Complete Dewatering of Cell A**	**58 days**	**Wed 2/22/12**	**Mon 4/30/12**
75	Grout Subdrain	5 days	Wed 2/22/12	Tue 2/28/12
76	Remove Conveyance Pipeline from Cell A to Evaporation Pond	5 days	Tue 2/28/12	Mon 3/5/12
77	Remove Final Evaporation Pond	6 days	Mon 3/5/12	Mon 3/12/12
78	Final Status Survey of Evaporation Pond Site	15 days	Mon 3/12/12	Thu 3/29/12
79	Complete Cap	12 days	Thu 3/29/12	Thu 4/12/12
80	Backfill Evaporation Pond	10 days	Thu 4/12/12	Tue 4/24/12
81	Final Seeding	5 days	Tue 4/24/12	Mon 4/30/12



Project: Energy Resources-Pinon Mill D
Date: Tue 9/1/09

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

Page 1

Figure 2 Representative Project Schedule

3.0 PROJECT TASKS AND DETAILED COST ESTIMATE

Each of the project tasks are described below. The line item number of each task correlates with the Work Breakdown Structure (WBS) Code on the detailed estimator's worksheet presented in Attachment G and Item Number in the Cost Summary by Task table presented in Attachment H. Table 1 also shows these line-items.

Line Item Description:

1) Project Management, Engineering and Overhead

This line item involves the management of the project by a company that serves as the representative of the State of Colorado. This company oversees the entire project from initial planning through closure. The company prepares the reclamation plan, administers the contract, manages the construction contractor and sub-contractors, ensures environmental compliance and prepares all reports to the state. The company is responsible for the radiation program and industrial hygiene program. Costs in this line item include on-site and off-site management, office staff and overheads and engineering services. Engineering contingency has been incorporated into this line item.

Exclusive of the costs of line item 1 are the costs for conducting the radiation and industrial hygiene programs. While considered as part of the project management costs, these have been considered in items 3a and 3b.

2) Site Characterization / Identify Limits of Contamination

Soil contamination will be characterized and identified for subsequent clean-up. A 10 meter grid will be established over the following areas: the mill facility, the ore storage pad, the evaporation ponds, outslopes of Tailings Cell A, and surrounding areas that have the potential to possess wind-blown contaminated materials. Radiological surveys will be performed in conjunction with physical soil sampling. Soil samples will be analyzed for gross Alpha, U_{nat}, Ra_{226}, Th_{230}, and Pb_{210}. Personnel for this stage include a radiation safety technician (RST) and appropriate equipment. Soil samples are obtained through the work of a subcontractor under direction of the RST. Soil sampling will be performed on areas that are identified to exceed 5 pCi/g of Ra_{226} above background, based on site gamma surveys.

3) Radiation Program and Industrial Hygiene

The radiation and industrial hygiene programs are to be conducted by the project management company. This company will also provide radiation and industrial hygiene services for the construction contracting company. Staffing will consist of one RSO ($45.00 / Hr), one RST ($30.00 / Hr) and one secretary / clerk ($12.23 / Hr). Costs for the radiation program personnel are presented in Attachment G, line item 3a. Wages shown in Attachment G, line item 3a are reduced for benefits (35% burden, 10% profit margin). These ancillary costs are included in line item 1, Project Management, Engineering and Overhead. Personnel costs were estimated for the project life of 2.7 years. Line item 3b of Attachment G presents

the sampling costs associated with the radiation program, the industrial hygiene program and environmental compliance. Sampling costs were estimated for a project life of 2.7 years.

The project management group is responsible for preparing the remedial action report, performing the site characterization study and conducting the final status survey report. The cost for labor and sampling associated with these tasks has been accounted for in line items 3a and 3b.

During the final status survey, which occurs after clean-up of contaminated soil, soil sampling will be performed on areas identified in the site characterization study (Item 2) as exceeding 5 pCi/g Ra_{226} background levels as well as other areas suspected to have been contaminated during reclamation. Soil samples will be taken randomly over 10% of the total grid area established in line item 2. Project sampling costs are presented in Attachment G, line item 3b.

4) Contractor Mobilization / Demobilization

This item considers the cost of mobilization of contractor equipment and support facilities. It is assumed that the mill office building, which is outside of the licensed boundary area, is uncontaminated and available for use.

5) Facility Residue Flushing & Preparation for Decommissioning

Mill facility decontamination is to be performed prior to demolition activities. Primary activities include flushing of piping, tanks and vessels. In addition, general washing of all interior surfaces of the mill facility is to be performed to control dust and reduce exposure to residual contamination of the workforce.

Other activities include clean-up and disposal of contaminated sludge, solid wastes and water. All unused reagents are to be returned to the appropriate vendors for disposal or re-use. Contaminated reagents will be neutralized and disposed of in Tailings cell A.

Equipment:

1 CAT IT-38
1 Water Truck with cannon (4,000 gal)
1 Skid Steer
1 Fork Lift
1 Scissor Lift
4 Operators
2 Technicians

6) Tailings Dewatering

Dewatering of Tailings Cell A involves daily pumping and maintenance of pumps and pipelines. This phase of reclamation is assumed to be completed within one year to attain sufficient solidification of the tailings material. It is assumed that the tailings material has a high content of slimes and possesses a low permeability coefficient. Item 6 is performed concurrently with item 5.

7) Re-grade Tailings Material in Cell A

Prior to placement of debris from the mill demolition activity into the cell, preparation of the tailings surface is necessary for ease of operations. This work is to be performed by the use of a CAT D6 dozer. The area to be re-graded is approximately 30 acres.

8) Facilities Demolition and Disposal

Line items 8a through 8f cover the demolition of the mill facilities and the subsequent disposal of those facilities in Tailings Cell A. Materials are to be disposed of in Cell A, rather than in Cell C as shown in the Decommissioning Plan (Kleinfelder 2009b), based on the five-year bonding period used in this estimate. Items 8a (Dismantling of Mill) and 8b (Transport, Place and Compact Mill Debris) are considered to be concurrent operations. For costing purposes, these two activities have been separated. Electrical service disconnect is performed by an electrical subcontractor. Mill debris quantities were taken from CH2M Hill (2009).

8a) Dismantling of Facilities

This item involves the physical demolition and dismantling of the mill structures (Areas 100 through 900). Attachment D lists the interior mill equipment items to be disposed.

Equipment:

2 CAT 365 Hydraulic Excavator with thumb
1 CAT 365 Hydraulic Excavator with 10K Hammer or Shear
1 Water truck with cannon (4,000 gallon capacity)
1 Skid Steer Unit
2 Service Trucks
6 Operators
2 Technicians

8b) Disposal of Facilities (In Cell A) – Concurrent with 8a above

This activity is concurrent with item 8a above. Disposal of mill debris in the tailings cell involves dumping of the debris from the trucks with subsequent wheel compaction and backfill in the disposal vault. After the debris is initially compacted, a soil / cement slurry is sluiced into the material to fill voids and decrease further settlement.

The disposal vault is an area where the mill debris is confined, above the tailings material. Mill debris is to be placed in lifts of 5 feet or less. It is estimated that the volume of mill debris and fill will occupy a volume of 100,000 cubic yards. Initial compaction efforts are expected to produce a volume of material containing 10% void space. This void space will then be filled with the soil / cement slurry. The soil / cement slurry will possess 5% cement by weight, resulting in a material strength (UCS) of approximately 100 psi.

Equipment:

2 – 740 D haul trucks
1 CAT D6 dozer with ripper

1 CAT 330 Hydraulic Excavator with thumb
1 CAT 563 C Compactor
1 Concrete Pump Unit
1 Concrete Mobile Mixer
6 Operators

8c) Disposal of Ore Pad Materials (In Cell A)

Reclamation of the ore storage pad involves removing all structural fill and concrete associated with the ore pad, but not the underlying soil, which is addressed under item 8e below. This material will be placed above the tailings material but below the radon barrier layer in Tailings Cell A. Table 4 presents the materials to be removed. The equipment fleet is the same as item 8b above. The quantity of materials to be disposed of is 14,520 cubic yards.

Table 4 Ore Pad Materials to be Disposed

Item No.	Item	Unit	Quantity
1.	Bentomat ST	SF	261,010
2.	Roadbase Material	CY	7,400
3.	Stormwater Pond- 60 mil HDPE	SF	28,725
4.	Retaining Wall	SF	3,700
5.	Wall Backfill	CY	2,740
6.	Shotcrete Facing w/reinforcing	SF	3,700
7.	Concrete	CY	1,615

8d) Mill Facility Soil Stripping (To Cell A)

Contaminated soil below the mill facility is to be stripped and placed in Tailings Cell A, either mixed with the mill debris or placed on top of the tailings material, below the radon barrier layer. For costing purposes, excavation to an average depth of 6 inches is assumed. The purpose of this is to remove contamination that may have penetrated into the soils below the facility. Equipment used in this activity includes 2 CAT 740 D Trucks, 1 CAT 365 Excavator, 1 CAT D6 Dozer, 1 CAT 536 C Compactor and 1 CAT 14 motor grader. The quantity of soil to be stripped is 12,227 cubic yards.

8e) Stripping of Ore Pad and Other Soils (To Cell A)

Soils beneath the ore pad, as well as other areas identified as contaminated, will be stripped and placed into Tailing Cell A. An average stripping depth of 6 inches is assumed. Much of the “other” soil is the “wind-blown” material identified in item 2 (site characterization study). The equipment fleet used in this task is the same as in item 8d above. The quantity of soils to be stripped is 11,657 cubic yards.

8f) Evaporation Pond Soil Stripping and Backfilling

This task is composed of two sub-tasks, removing the evaporation pond materials and contaminated soil, and backfilling of the pond area to approximate original contour (for drainage). Table 5 presents the material to be disposed of in Cell A. Contaminated soils underlying the evaporation pond area are assumed to average 6 inches in depth. The

quantity of material to be disposed of is 85,000 cubic yards. This consists of 41,700 cubic yards of potentially contaminated sub-liner soil and 43,300 cubic yards of evaporation sediments and demolition related construction materials. Evaporation pond sediments were inadvertently not included in the KGL bid; accordingly, Energy Fuels added the cost for this item to KGL's estimate

Equipment used to remove the materials for disposal:

1 CAT 988 Wheel Loader
6 740 D Ejector Trucks
1 Water Truck with cannon (4,000 gal)
1 CAT 14 Motor-Grader
1 CAT 536 C Compactor
2 CAT D8 Dozers
11 Operators

Table 5 Evaporation Pond Construction Materials to be Disposed

Item No.	Item	Unit	Quantity
1.	GCL	SF	2,050,840
2.	HDPE	SF	2,050,840
3.	Primary 60 mil HDPE	SF	2,050,840
4.	Secondary 60 mil HDPE	SF	2,050,840
5.	Double Anchor Trench	SF	18,000
6.	Rubsheet	SF	314,930
7.	Leak Detection 10" Dia. HDPE	SF	1,500
8.	Leak Detection Fill	CY	2,500
9.	HDPE Stiffener Sheet	CY	3,240
10.	Bird Netting	SF	2,270,000
11.	Wood Poles	EA	195
12.	Stainless Steel Cable- 7/32"	LF	106,843

Backfilling of the evaporation pond area will be with native soil previously stockpiled from the mill construction phase. The purpose of backfilling is to re-establish proper drainage. Pond residues will be dried and mixed with soil for subsequent disposal in Tailing Cell A. The quantity of backfill soil is 227,541 cubic yards.

Equipment used in this activity:

1 CAT 988 Wheel Loader
6 740 D Ejector Trucks
1 Water Truck with cannon (4,000 gal)
1 CAT 14 Motor-Grader
2 CAT D8 Dozers
11 Operators

Tailings Cell Closure (Items 9 through 11)

Reclamation task items 9 through 11 involve the construction of the Tailings Closure Cover. The Tailings Closure Cover was designed by Kleinfelder (2009a). The Tailings Closure Cover layers (items 9 and 11a through j) are shown in Figure 3. Figure 4 shows a larger scale

drawing of the Tailings Closure Cover design and the relationship of the rock blanket to the Tailings Closure Cover.

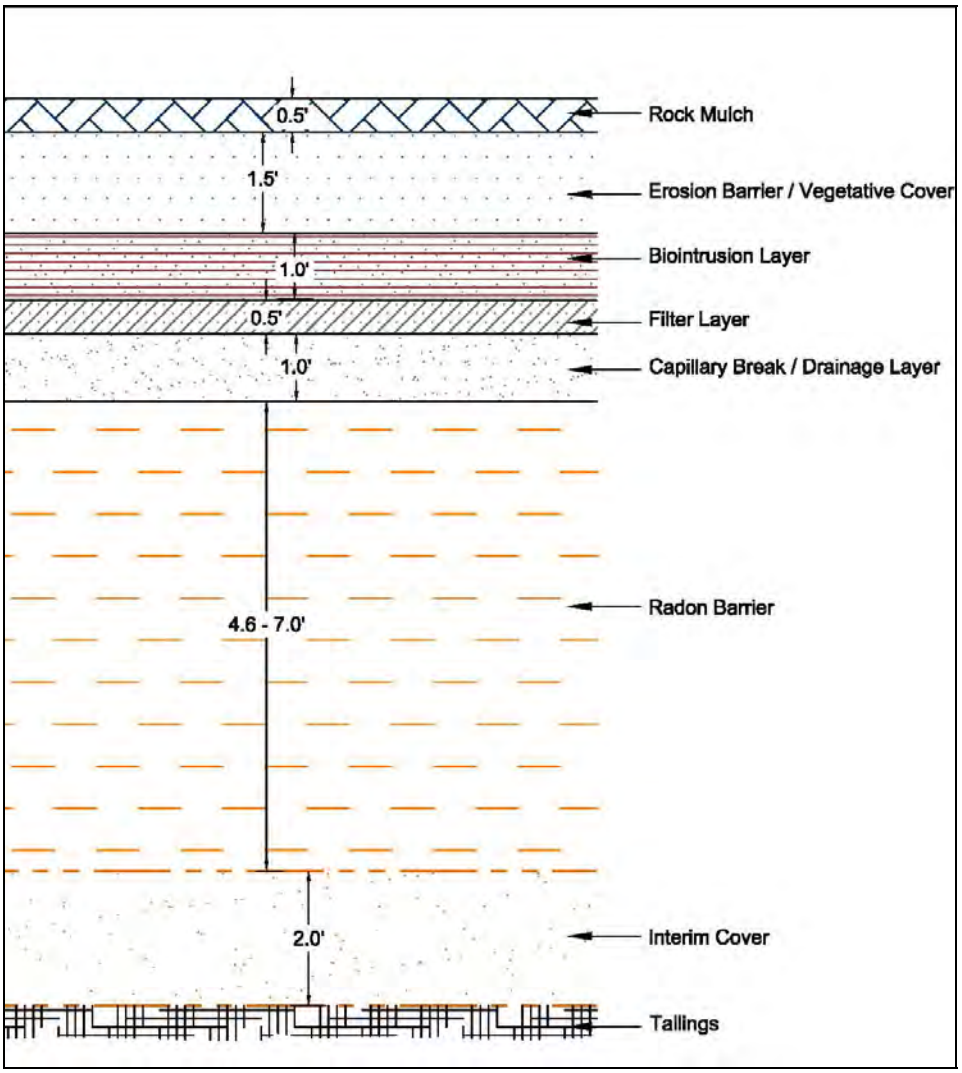


Figure 3 Tailings Closure Cover Design – Typical (after Kleinfelder, 2009a)

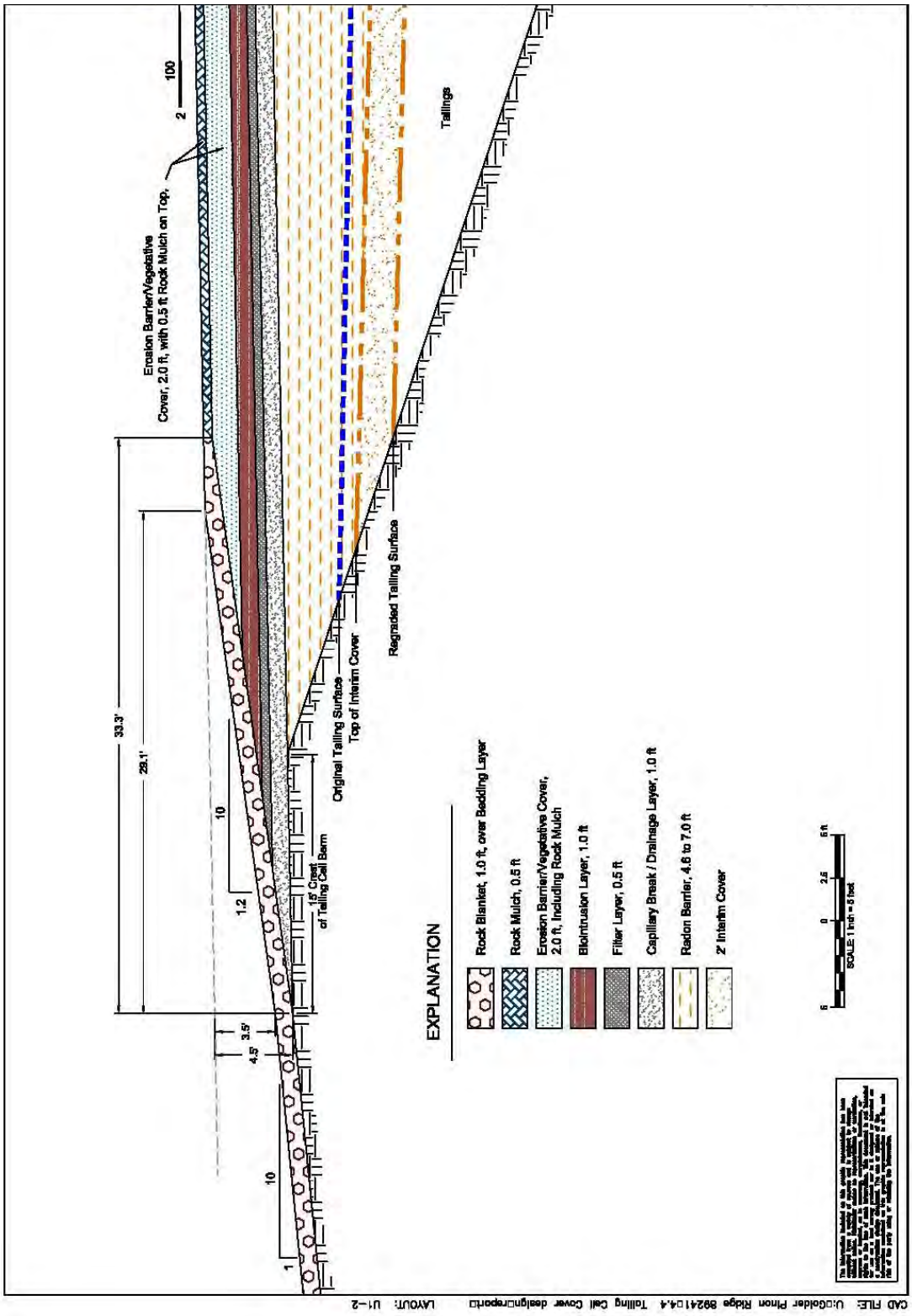


Figure 4 Tailings Closure Cover Design – Large Scale (after Kleinfelder, 2009a)

9) Construct Interim Fill Cover for Tailings

The interim fill cover is placed on top of the mill debris disposal vault and tailings beyond the limits of the vault. It is a buffer between the vault and the radon barrier layer. The function of the interim fill is to provide immediate protection from windborne release of tailings after cessation of cell operation. This layer consists of the placement of 2.0 feet of uncontaminated native soil, placed in lifts over the re-graded tailings material. This material is to be compacted to a minimum of 85% maximum dry density (Standard Proctor, ASTM D-698). The quantity of fill to be placed is 94,560 cubic yards. Most of the work is to be performed with CAT 631 scrapers along with low ground pressure equipped CAT D6 dozers.

10) Grouting of Leak Detection System and Under-drain

After the tailings have undergone dewatering, the dewatering pumps and apparatus are to be removed. The “Leak Detection System” (LDS) and under-drain piping are to be filled with a cement and bentonite grout. The grout is delivered, with on-site labor used to place the grout. The quantity of grout needed to fill these systems is 35 cubic yards. There is a total of 1,740 linear feet of 10 inch diameter drain pipe.

11) Construct Tailings Closure Cover

Items 11a through 11j involve construction of the Tailings Closure Cover system. Figures 3 and 4 show the details of the cover construction.

11a) Radon Barrier

This layer provides the primary barrier to the release of radon from the cell. It consists of 4.6 to 7.0 feet of compacted native soil. Design is based on the “RADON” modelling code. It will be placed in 8 inch lifts. Compaction will be 95% of maximum dry density (Standard Proctor) and within 2% of optimum moisture content. The volume of soil fill is 362,640 cubic yards.

Equipment:

- 4 CAT 631 Scrapers
- 1 Water Truck (4,000 gal)
- 1 CAT 14 Motor-Grader
- 1 CAT 536 C Compactor
- 2 CAT D8 Dozers
- 8 Operators

11b) Capillary Break

Provides the primary barrier against the infiltration of water to the cell and provides a lateral pathway for drainage of moisture. The layer consists of 1.0 foot of granular soil (sand and gravel) satisfying a d_{15}/d_{85} filter particle size ratio with the filter layer (below). This material is to be imported from off-site materials. Compaction is to be 50% relative density (115 to 120 pcf). The quantity of granular soil to be placed is 74,368 tons (53,120 cubic yards).

Equipment:

1 Water Truck (4,000 gal)
1 CAT 536 C Compactor
3 CAT 14 Motor-Grader
3 CAT D6 Dozers
7 Operators

11c) Capillary Break Filter

This layer prevents downward migration of fine soil particles into the capillary layer. It consists of 0.5 foot of granular soil (sand) meeting the d_{15}/d_{85} particle size ratio with the bio-intrusion layer (below). Compaction is to be 90% of maximum dry density (Standard Proctor). The quantity of filter material (sand) is 37,184 tons (26,560 cubic yards).

Equipment:

1 Water Truck (4,000 gal)
1 CAT 536 C Compactor
3 CAT 14 Motor-Grader
3 CAT D6 Dozers
7 Operators

11d) Bio Intrusion Layer

This layer provides a barrier against burrowing animals. It consists of 1.0 foot of native soil mixed with 3" nominal rock (cobbles). Compaction is to be "85% Standard Proctor or approximately 100 pcf dry density" (Kleinfelder, 2009a). The quantity of 3" rock is 14,837 tons. The volume of soil fill is 53,120 cubic yards.

Equipment:

2 CAT 966 Wheel Loader
3 740 D Ejector Trucks
1 Water Truck (4,000 gal)
1 CAT 536 C Compactor
1 CAT 14 Motor-Grader
1 CAT D6 Dozers
8 Operators

11e) Erosion Barrier Layer

Along with the rock mulch layer (see below), this soil layer protects against erosion due to wind and water. It consists of 1.5 feet of native soil. Compaction is to be 85% of maximum dry density (Standard Proctor). Soil fill volume is 79,680 cubic yards.

Equipment:

1 CAT 966 Wheel Loader
8 740 D Ejector Trucks
1 Water Truck (4,000 gal)
1 CAT 536 C Compactor
1 CAT 14 Motor-Grader

2 CAT D6 Dozers

13 Operators

11f) Erosion Layer Rock Mulch

This 0.5 foot thick topsoil / rock matrix layer consists of topsoil mixed with a d_{50} of 0.5 inch durable rock. The quantity of 3" rock is 39,485 tons and the volume of soil fill is 26,560 cubic yards.

Equipment:

1 Water Truck (4,000 gal)

1 CAT 536 C Compactor

1 CAT 14 Motor Grader

1 CAT D6 Dozers

2 Operators

11g) Rock Blanket Cover

This cover layer consists of 1.0 foot of graded durable rock with a d_{50} of 2.5 inches. The quantity of 3" rock is 84,992 tons (27,538 cubic yards). The rock blanket cover layer is to be placed on top of the "rock blanket filter", item 11h listed below.

Equipment:

1 Water Truck (4,000 gal)

1 CAT D6 Dozers

2 Operators

11h) Rock Blanket Filter

The filter layer consists of 0.5 foot of sand / gravel bedding meeting a d_{15}/d_{85} particle size ratio with the underlying native soil. The quantity of sand is 19,312 tons. The rock blanket filter layer underlies the "rock blanket cover" layer, item 11g above.

Equipment:

1 CAT D4 Dozer

1 CAT 966 Wheel Loader

2 Operators

11i) Drainage Channel Filter

The filter consists of 4" of CDOT Type I bedding material overlying 6" of CDOT Type II bedding material. The quantity of CDOT Type I bedding is 243 tons. The quantity of CDOT Type II bedding is 121 tons.

Equipment:

1 CAT D4 Dozer

1 CAT 966 Wheel Loader

2 Operators

11j) Drainage Channel Rip-Rap

The Rip-Rap consists of 3 feet of durable rip-rap material (d_{50} of 18”). The quantity of rip rap is 1,078 tons of rock.

Equipment:

1 CAT 318 Excavator
1 CAT 966 Wheel Loader
2 Operators

12) Site Grading

Site grading involves contouring the reclaimed site for drainage. Areas to be graded include the mill and ore pad locations, roads within the licensed boundary area and general areas such as the soil stockpile area and mill support structures. Equipment utilized in this activity consists of a CAT 14 motor-grader and water truck.

The following areas are to be graded:
12a Mill and Ore Pad, 58 acres
12b Roads, 1 acre
12c General Site, 3 acres

13) Topsoil Placement

All disturbed areas will be prepared for seeding and vegetation by placement of 6” of topsoil (or other suitable growth media). The primary areas to receive topsoil are the mill facility, the ore pad area and the evaporation pond area. Topsoil for Tailings Cell A was previously included in Item 11f above (i.e., erosion layer rock mulch). Topsoil will be supplied from exiting on-site stockpiles. During mill construction, all topsoil is to be placed in a stockpile to the west of the tailings ponds (Figure 1). KGL’s estimate inadvertently included topsoil for Tailings Cell A under this category. Energy Fuels subtracted this item from KGL’s bid since it is included with the rock mulch above.

Topsoil is to be placed on all remaining areas (61,820 CY)

Equipment used in this activity:

1 CAT 966 Wheel Loader
3 740 D Ejector Trucks
1 Water Truck (4,000 gal)
1 CAT 14 Motor-Grader
2 CAT D6 Dozers
8 Operators

14) Seeding and Re-vegetation

After placement of topsoil, the site will be seeded by a subcontractor using hydro-seeding application methods.

The following areas are to be seeded and re-vegetated:
14a Tailings, 34 acres
14b All Other Areas, 71 acres

15) Construction Contractor Support Personnel

Contractor support consists of a supervisor, assistant supervisor and an administrator. Sub-contracted work under the direction of the construction contractor will include project surveying, geotechnical testing and geotechnical analysis. Offices will be set up in the existing on-site office structure, which is located outside of the licensed boundary area and assumed to be free of mill related contamination.

16) Performance Bond

A performance bond of 1.0% is provided for in this line item. This line item is found in Table 1 and also in Attachments G and H.

17) Post-Closure Monitoring and Maintenance

After completion of reclamation, the site will continue to be monitored until revegetation is deemed to be successful. For bonding purposes, this period of time is assumed to be for a three year period. Costs for this line item include labor, site repair, and sample analysis (Attachment G). Labor consists of one man, full time, for three years. Sampling includes groundwater, surface water, air and radon. Site repair consists of the use of a CAT D4 dozer for 3 days each year to address erosion, and for re-seeding (approximately 0.5 acres per year).

18) Decommissioning of Monitoring Systems

Once the monitoring period has been completed and the site has been accepted for long-term care by the DOE, the groundwater monitoring wells will be properly abandoned and the air monitoring systems will be removed. Decommissioning of the monitoring systems involves abandoning subsurface water monitoring wells and demolishing the air monitoring stations. Site reclamation includes topsoil placement and seeding. There are sixteen subsurface water monitoring wells (9 existing, 7 proposed) totalling 3,660 linear feet. Using a cost of $15.00 per foot, abandonment of the wells will cost $ 54,900. The cost per foot is based on a recent bid for abandoning observation wells. The following list shows the tasks involved. Abandonment requires well closure by a licensed water well driller.

Tasks involved in the abandonment of the monitoring wells:

a) Hire licensed water well driller
b) Pull casing
c) Removal of well piping
d) Tremmie placement of bentonite grout
e) Placement of concrete plug
f) Top-soil placement and seeding well sites.

Reclamation of the air monitoring stations involves removal and disposal of two tower units, two “Conex” mounted stations and three platform mounted stations. Costs include demolition of the structures and disposal. Demolition costs ($0.10 / CF) are based on the 2009 RS Means estimate line “17-02-0126”. Disposal costs ($ 3.71 / CY) are also based on the 2009 RS Means Estimator – “Trucking to an Offsite Facility”. Tower 1 has dimensions of 100 by 6

by 6 feet. Tower 2 has dimensions of 30 by 6 by 6 feet. Each of the three platforms has dimensions of 12 by 6 by 10 feet. The two Conex boxes have dimensions of 8 by 9 by 25 feet. Because these items are to be disposed of offsite, no effort is made to compact the material other than to cut the towers and platforms into manageable pieces (20 foot lengths).

19) DOE Long Term Care

This item is added as a lump-sum, to cover the costs of long-term site monitoring. The value to be used is $ 250,000 in 1978 dollars (R.H. 3.9.5.10.4). Using the inflation calculator provided by the U.S. Department of Labor, this lump sum value is $ 827,584 in 2009 dollars.

20) State Administration Fee

A state administration fee for project oversight is required. The State of Colorado charges an administrative fee of 1% of the total contract amount. One state employee will oversee the project with approximately 20% of their yearly time dedicated to this function. Annual salary is assumed to be $112,000. Travel costs are included at 10 percent of salary. Additionally, the state adds 26% of this cost for department overhead and 20% for state indirect overhead. The cost is as follows:

Annual Cost		
Labor	$	22,400
Travel	$	2,240
Subtotal	$	24,640
Dept Overhead	$	6,406
CDPHE Indirect	$	4,928
Total	$	35,974
2.71 Years Labor:	$	97,490
1% Contract Admin.	$	117,370
Total:	$	214,860

4.0 REFERENCES

CH2M Hill Engineers, Inc. (CH2M Hill), 2009, Basic Engineering Report and Cost Estimates, Piñon Ridge Project, Naturita, Colorado, February 2009.

Golder, 2009, Specifications for Closure and Reclamation of Mill Facilities, Piñon Ridge Project, Montrose County, Colorado, Submitted to Energy Fuels Resources Corporation, October 2009.

Kleinfelder, 2009a, Tailings Cell Closure Design Report, Energy Fuels Resource Corporation, Piñon Ridge Project, Montrose County, Colorado: prepared for Energy Fuels Resources Corporation, October 2009.

Kleinfelder, 2009b, Mill Decommissioning Plan, Energy Fuels Resource Corporation, Uranium Mill Licensing Support, Piñon Ridge Mill, Montrose County, Colorado: prepared for Energy Fuels Resources Corporation, October, 2009.

Attachment A

Cover Letter and Bid Sheet by KGL

KGL ASSOCIATES, INC.
Mining ▪ Mine Development ▪ Industrial Remediation ▪ Reclamation ▪ Surveying

September 9, 2009

Mr. Jeff Osborn
Engineering Manager
Energy Fuels Resources
44 Union Blvd., Suite 600
Lakewood, CO 80228

Dear Mr. Osborn:

Attached is our bid for reclamation operations with support documents as exhibits. Some line items are based on our extensive experience with similar projects.

The Exhibits represent actual bids for similar haul distances and materials, actual quotes for similar tasks, and calculated costs using current equipment, labor, and materials costs.

We did not estimate the DOE Long Term Care, Item 36, or the Construction Bond, Item 37.

Please review the documents and call if you have questions or if we can provide additional information.

Thank you.

Sincerely,

Mark Kerr
President

813 14th St., Suite A ▪ Golden, Colorado 80401 ▪ (303) 216-9050 ▪ (303) 216-9053 Fax
E-mail: kglinc@qwestoffice.net Website: www.kglassociates.com

Summary of Mill Decommissioning Costs: Scenario 2

Exhibit	Item	Task	UOM	Quantity	KGL Associates, Inc Total Estimated Cost
A	2	Decontaminate Mill Facility (flush process lines and remove solid / liquid reagents)	LS	1	$100,000.00
A	3	Dewater Solid Tailings (1 year)	LS	1	$181,500.00
Est from previous project	5	Contractor Mobilizatyion / Demobilization	LS	1	$143,200.00
Est from previous project	6	Re-Grade Tailings Materials in Cell A	CY	88050	$20,500.00
Decommission and Place Mill facility in Tailings Cell A					
B	7	Decommission Mill Facility (dismantle and dispose of buildings, equipment, contrete foundations, piping, electrical, etc)	CY	100000	$1,000,000.00
B	8	Place Mill Facility Materials In Tailings Cell A (compact, fill with cemented soil)	LS	1	$168,000.00
B	9	Place Ore Pad Materials in Tailings Cell A	CY	14520	$24,400.00
B	10	Strip & Place Mill Facility Soils in Tailings Cell A	CY	12227	$20,540.00
B	11	Strip & Place Other On-Site Facility Soils in Tailings Cell A	CY	11657	$19,600.00
Decommission and Place Evaporation Pond Materials in Tailings Cell A					
B	12	a. Strip and Place Evaporation Pond Soils and Materials in Tailings Cell A	CY	41700	$166,800.00
B		b. Back-fill with Clean soil	CY	227541	$381,360.00
Tailings Cell A - Closure					
B	13	Construct Interim Fill Cover (2.0 ft)	CY	94560	$160,000.00
Estimate	14	a. Grout-Seal "Leak Detection System"	LF	400	$3,650.00
Estimate		b. Grout-Seal "Underdrain System"	LF	1340	$12,200.00
B	15	Construct Radon Barrier Cover (4.6 to 7.0 ft-Soil)	CY	362640	$609,000.00
C + Material	16	Construct Capillary Break / Drainage Layer (Part of ET - 1.0 ft-Sand/Gravel)\	CY	53120	$1,775,270.00
C + Material	17	Construct Filter (Part of ET - 0.5 ft-Sand)	CY	26560	$887,635.00
C + Material- 20% rock, 80% soil	18	Construct Bio-Intrusion Barrier (Part of ET - 1.0 - 3" Rock and Soil)	CY	53120	$394,150.00
B	19	Construct Erosion Barrier - Native Soil (Part of ET - 1.5 ft)	CY	79680	$133,900.00
C + Material	20	Construct Erosion Barrier - Rock Mulch (Part of ET - 0.5 ft Rock & Soil)	CY	26560	$887,635.00
C + Material	21	Construct Rock Blanket Cover (On Out-slopes >5%, d50= 2.5",1 ft th-Rock)	CY	26240	$877,106.00
C + Material	22	Construct Rock Blanket Filter (6" th-Sand)	CY	13120	$438,470.00
C + Material	24	Construct Tailings Cover Drainage Channel Filter (10" th. -CDOT Tp I-II Bed)	CY	260	$8,690.00
C + Material	25	Construct Tailings Cover Drainage Channel Rip Rap (d50 = 9", 18" th.)	CY	770	$25,733.00
Reclamation of Decommissioned Site					
D	26	Site Grading (Mill & Ore Pad)	CY	225000	$22,500.00
D	27	Site Grading (Roads)	CY	4500	$450.00
D	28	Site Grading (General Site)	CY	10000	$100.00
B	29	Re-Topsoil Cell A (1-ft th.)	CY	27320	$45,900.00
E	30	Seed, Fertilize and Mulch Cell A (Seed Rate = 11 lbs per Acre)	Acres	34	$78,200.00
B	31	Re-Topsoil All Remaining Areas (1-ft th.)	CY	61820	$103,900.00

E	32	Seed, Fertilize and Mulch Remaining Areas (Seed Rate = 10 lbs per Acre)	Acres	71	$163,300.00
		Subtotal Tasks #1 - #32			$8,853,689.00
F	33	Support Personnel (Reclaimation Contractor)	LS	1	$708,750.00
		Radiation Program & Industrial Hygiene (3rd Party Site QA/QC)			
Experience Estimate		a. Support Personnel, Radiation Monitoring (3rd Party Contractor)	LS	1	$351,000.00
G	34	b. Sampling and Analysis	LS	1	$293,280.00
		Subtotal Tasks #1 - #34			$10,206,719.00
Included	35	Contractor Supervision, Overhead, Mark-up and Profit	LS	1	Incl. @ 15%
	36	DOE Long Term Care	LS	1	
	37	Construction Bond (1.5%)	LS	1	
		Subtotal Tasks #1 - #7			

Note 1. Part of Cost
Note 7. 2,000,000 for 8000T (Day Mill)
Note 16. Sand @ $20-86,000T - 1,726,400-Sand
Note 17. Sand @ $20/Ton - 863,200 Sand
Note 18. Rock @ $20 - 1,726,400
Note 20. Rock @ $20 863,200
Note 21. Rock @ $20 - 852,800
Note 22. Sand @ - 426,400

Note 26. ± 60 acre ± 2.3 ft depth 2,613,600 sf.
14 Blade @ 12 ft effective lg 2.7 mph 170,000 sf/hr.
3-pass ±60,000 sf/hr. 43.56 hr/lf x 6 lifts ±260 hrs.
65.7/hr + 18.75/hr ÷.9 = ± $94/hr
Note 34. Western Technology @ $47/hr x 2080 x 3)
Note 35. Incl @ 10%

$10,206,719.00

Attachment B

Qualifications For KGL

Earthmoving, Mining, and Environmental Construction

Home
Board of Directors
Management Team
Experience
Safety
Contact Us

KGL Associates INC

- KGL is an experienced earthmover and hazardous waste contractor

KGL is an earthmoving and environmental construction contractor with extensive expertise in both hazardous waste and mining operations. With ten years of operational project history and over 100 years of combined project management experience, we are prepared to handle any earthmoving or industrial project, from straight forward dig and haul or overburden removal to complex hazardous waste transport. Examples of these projects include:

- Remediation
- Reclamation
- Contract Mining
- Landfill services
- Pond construction
- Compacted embankments
- Water resource facilities
- Dams

- KGL provides a seasoned staff for industrial, environmental and contract mining services

Through negotiated leasing arrangements, we have access to any type of "yellow" iron equipment necessary to perform. These contracts allow us to use the newest equipment at the least overall cost to you and your project. This allows us to be the most competitive contractor bringing the best value to your project. Our staff is made up of seasoned personnel who understand how to save money through their experience of moving millions of tons of dirt, rock and waste. No project is beyond our scope or capabilities.

- KGL places Health and Safety above all other business considerations

Our personnel are OSHA 40 hour and MSHA trained to work on both environmental and mining projects. Our OSHA EMR is well below the standard requirements and it is our philosophy to prioritize health and safety above all other business considerations.

Board of Directors

Board of Directors

Timothy S. Borden

Mr. Borden, an attorney, is currently involved in banking and commercial real estate development in the US and Europe. He has an extensive background in the manufacturing and mining industries. He served as an officer/corporate councel for Energy Fuels Corporation and is currently Chairman of the Board of AFE, Inc and Managing Director of FDH Holdings. The foundry divisions of AFE and FDH were sold in March of 2008 with operations in the United States, Germany, England and Mexico producing gray iron castings for the automotive and appliance industries. AFE was the world's largest producer of medium sized engine blocks for the locomotive, marine and commercial generator industries. Mr. Borden also has substantial ownership interest and is Chairman of five bank holding companies with National banks in 12 towns in Wyoming, Colorado and South Dakota.

Gerald W. Grandey

Gerald W. Grandey is currently CEO and President of Cameco Corporation, an international mining company; the world's largest producer of uranium, headquartered in Saskatoon, Saskatchewan, Canada. Mr. Grandey brings over 35 years experience as a lawyer and businessman. Mr. Grandey practiced law at Holland & Hart before joining Energy Fuels, Inc., as General Councel. He later became President of Energy Fuels, Inc. Mr. Grandey received his undergraduate degree from the Colorado School of Mines in Geophysics, and his law degree from Northwestern University.

Mark P. Kerr

Mark Kerr, President of the company, is responsible for management and direction of company activities. Mr. Kerr, a mining engineer, brings over 30 years mining experience to the company.

James A. Larson

James A. Larson is the Past President and CEO of Niugini Energy, Inc., a corporation engaged exclusively in on-shore petroleum exploration activities in Papua, New Guinea. He brings over 40 years of experience as a lawyer, businessman, and professional investor to the Company. In addition, Mr. Larson was President and COO of Western Nuclear, Inc., where he was in charge of all domestic uranium operations, as well as broad-based mineral exploration programs in Australia, Canada, and Africa. Thereafter, he was President and CEO of Energy Fuels, Inc., a privately owned but major U.S. coal and uranium producer headquartered in Denver, Colorado. Mr. Larson received his LLB (law degree) and his Bachelor of Business Administration degree from the University of Minnesota.

Marvin J. Wolf

Mr. Wolf has over 25 years experience in the construction and surface mining industries. He has been a project manager and supervisor as well as an equipment operator. Mr. Wolf's field supervision experience is combined with a thorough understanding of all heavy equipment, and he has extensive training and experience in hazardous materials handling. In addition to Mr. Wolf's extensive mining experience he has supervised and managed on two of the largest uranium mill tailings projects in the U.S., and was Project manager on a third.

Management Team

Earthmoving, Mining, and Environmental Construction

Management Team

Jack Gaudern

Mr. Gaudern is one of KGL's field superintendents, responsible for the full charge responsibility of overseeing and directing activities in the field on KGL contract projects. Mr. Gaudern is proficient in the operations of heavy earthmoving and reclamation projects. He has 28 years experience managing both employee and equipment fleets. Mr. Gaudern has both ensured raw material production and completed noted reclamation projects. He has supervised the excavation, selective low-level radioactive waste decontamination, and demolition of structures for the US Dept of Energy's UMTRA project. Mr. Gaudern is a skilled equipment operator with 38 years experience and the ability to instruct his employees in the safe operation of the complete array of heavy equipment.

Steve D. Hancock

Mr. Hancock is the Health and Safety Officer. He also brings in-house surveying capabilities and construction quality control experience to the KGL construction team. He works as a surveyor in all of the western states including Colorado and Utah with expertise in sport facility complex construction. He has provided construction control support for many large civil and environmental projects using state of the art GPS, robotic and TTS surveying technology. He has additional experience in the mining sector including underground CAD management, blast superintendent, and is a certified MSHA instructor.

Zoe M. Kemler

Ms. Kemler is a service professional experienced in Partner interaction. Customer Service and technical requirements writing based experience gained through 7 years spent with Echostar Communications Corp. She serves as the office manager and apprentice earthmoving estimator.

Robert Kowey

Mr. Kowey is one of KGL's field superintendents, fully responsible for overseeing and directing activities in the field on KGL contract projects. In addition to his capabilities as a certified person on HAZWOPER projects, Mr. Kowey brings over 20 years of experience as a heavy equipment operator to the team, including mine construction and oil field work.

Stephen Wright

Mr. Wright is one of KGL's field superintendents, responsible for the full charge responsibility of overseeing and directing activities in the field on KGL contract projects. Mr. Wright is experienced in all aspects of heavy earthmoving and civil projects, including the construction of a disposal cell for radiologically contaminated material, supervision of a Quality Control subcontractors, employee supervision and direction, and assuring compliance with rigorous safety standards. In addition, Mr. Wright is an accomplished equipment operator, able to demonstrate and instruct his people in safe and productive utilization of the full range of heavy equipment

Experience

- Worked for many of the largest industrial and mining companies in the country

A representative list of companies that KGL and its personnel have worked for includes:

- American Gypsum
- Arch Coal
- AT & T
- Atlas Minerals
- Better Materials Corp
- CENTEX
- CEMEX
- Cyprus Amax
- MK-Ferguson (Washington Group)
- Rio Algom/BHP Billiton
- Santa Fe Pacific (Newmont)
- Southdown Industries
- Umetco
- US Silica

- Worked for environmental, industrial and mining engineering firms

- Arcadis Engineering
- US West/Qwest
- Black & Veatch
- Western Nuclear
- CEC Engineering
- Dept of Energy
- Harding ESE
- HD
- Knight Piesold
- Mactec
- RUST (Earth Tech)
- US Corp of Engineers

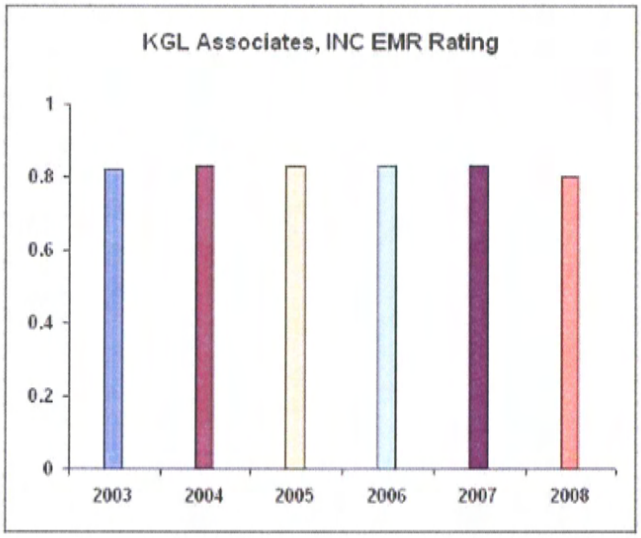
Safety

Earthmoving, Mining, and Environmental Construction

Safety

KGL is committed to, and is constantly striving to provide a safe and healthy work environment for all of its workers and others on our project sites. KGL provides each employee with a comprehensive Employee Safety and Health Handbook and initial overview training upon employment with the company.

We currently have an experience modification rate (EMR) of 0.80, zero OSHA recordable cases, and our staff includes MSHA trained and certified instructors.



Attachment C

Analysis of Scenario 1 and Scenario 2

Analysis of Scenario 1 and 2

Scenario 1: Minimal Processed Waste in Cell (6 months)
Simple filling of remaining excavated cell volume with compacted "Interim Fill" soil to grade, resulting in a backfilled thickness of 64 feet.

Scenario 2: Volume of processed waste material sufficient to fill the cell to capacity requires construction of engineered tailings cover, resulting in a tailings cover of approximately 13.5 feet in thickness

Item	Description	Unit Cost	Scenario 1		Scenario 2	
			Quantities	Costs	Quantities	Costs
1)	Project Management - Revision			$500,000		
9)	Construct Interim Fill Cover	$ 1.52 / CY	1,234,850 CY	$1,880,482	94,560 CY	$144,000
11a)	Radon Barrier					$548,100
11b)	Capillary Break Layer					$1,597,740
11c)	Capillary Break Filter Layer					$798,870
11d)	Bio-Intrusion Layer					$354,735
11e)	Erosion Barrier					$120,510
11f)	Erosion Barrier Rock Mulch Layer					$798,870
11g)	Rock Blanket					$789,400
11h)	Rock Blanket Filter					$394,620
11i)	Drainage Channel Filter Layer					$7,820
11j)	Drainage Channel Rip Rap					$23,160
Total				$2,380,482		$5,577,830

Attachment D

Mill Demolition Quantities – Building Contents

Table D.1 Area 100 – Ore Handling and Grinding – Duration: 8 days					
25,000 sq. ft. (163' x 102')					
Two Story (26 ft tall)					
Steel & Concrete Building					
Item No.	Item	Description	Quantity		
1.	Sag Mill Feed Conveyor	Steel Frame, Rubber Belt	1		
2.	Dust Collecting Baghouse	Steel	1		
3.	Coarse Ore Apron Feeder	Steel	1		
4.	Baghouse Fan	Steel	1		
5.	Baghouse Discharge Hopper	Steel	1		
6.	Coarse Ore Feed Hopper	Steel	1		
7.	Tramp Metal Belt Magnet	Steel Frame, Rubber Belt	1		
8.	Storm Water Pump	316 SS impel, ci case	1		
9.	Truck Wash Station Sump Pump	Steel	1		
10.	Reclaim Tunnel Sump Pump	Steel	1		
11.	Sag Mill Conveyor Scale	Steel	1		
12.	Truck Scale	Steel	1		
13.	Baghouse Stack	Steel	1		
14.	Grizzly Screen	Steel	1		
15.	Truck Wash Station	Steel / Concrete	1		
16.	Sag Mill Bay Service Crane	Steel	1		
17.	Sag Mill Clutch Air Compressor	Steel	1		
18.	Sag Mill Dust Scrubber	304/FRP	1		
19.	Sag Mill Dust Scrubber	304/FRP	1		
20.	Sag Mill Vibrating Feeder	Steel	1		
21.	Sag Mill Dust Scrubber Fan	Steel	1		
22.	Sag Mill Ball Hopper	Steel	1		
23.	Trommel Discharge Hopper	Steel	1		
24.	Mill Liner Handler	Steel	1		
25.	Sag Mill	Steel/metal	1		
26.	Sag Mill Dust Scrubber Pump	Steel	1		
27.	Gland Water Service Pumps	D.I./316 SS	2		
28.	Sag Mill Discharge Pumps	Chrome/metal	2		
29.	Sag Mill Area Sump Pumps	Steel	2		
30.	Classifying Sccreen Undersize Sampling System	Steel	1		
31.	Trommel Screen	Steel	1		
32.	Sag Mill Classifying Screens	Steel frame, screen-urethane	2		
33.	Sag Mill Discharge Sump	Steel/Rub lined	1		
34.	Sag Mill Clutch Air Receiver	Steel-Rubber-Shaft	1		
35.	Pulp Storage Tanks 1 and 2 Agitators	Steel-Rubber-Impeller	2		
36.	Pulp Storage Tanks 1 and 2 Agitators	Steel, Rubber	2		
37.	Sag Mill Classifying Screen Undersize Pumps	Steel, Rubber	2		
38.	Pre-Leach Feed Pumps	Steel	2		
39.	Pre-Leach Feed Sampling System	Steel or Concrete	1		
40.	Sag Mill classifying U/size Sump	Steel/ 1/4" chlorobutyl liner	1		
41.	Pulp Storage Tanks 1 and 2	Steel-Rubber-Shaft	2		
42.	MCC	Steel	1		
43.	MCC	Steel	1		
44.	MCC	Steel	1		
45.	Generator		1		
46.	Supply Transformer		1		
47.	Supply Transformer		1		
48.	Supply Transformer		1		
49.	Supply Transformer		1		
50.	Supply Transformer		1		
51.	Auto Transfer Swith	Steel	1		
52.	Generator Circuit Breaker	Steel	1		
53.	Vacuum Switchgear	Steel	1		
54.	Vacuum Switchgear	Steel	1		
55.	Gen Load Bank Transformer		1		
56.	Truck Decon / LTG Supply Transformer		1		

Table D.1 Area 100 – Ore Handling and Grinding – Duration: 8 days					
25,000 sq. ft. (163' x 102')					
Two Story (26 ft tall)					
Steel & Concrete Building					
Item No.	Item	Description	Quantity		
57.	Metal Clad Switchgear	Steel	1		
58.	Supply Transformer - Substation		1		
59.	Fuel Pad	Conc	1		
60.	MCC - Transformer Pads	Conc	5		
61.	Elec Back-up Gen Pad	conc	1		
62.	Stoops	conc	3		
63.	Doors	conc	1		
64.	U/G Duct Bank	conc	1		
65.	Feed Hopper Bldg Foundation	conc	1		
66.	Feed Hopper Bldg Walls (Long)	conc	1		
67.	Feed Hopper Bldg Walls (Short)	conc	1		
68.	Feed Hopper Bldg Floors(1 top/roof, 1 floor, 2-level)	conc	2		
69.	Feed Hopper Bag House footings	conc	4		
70.	Feed Conveyor U/G Galley - Sides	Conc	1		
71.	Feed Conveyor U/G Galley - Top + Bottom	conc	1		
72.	Tramp Magnet House Floor	conc	1		
73.	Tramp Magnet House Top	conc	1		
74.	Tramp Magnet House Walls (Long)	conc	1		
75.	Tramp Magnet House Walls (Short)	conc	1		
76.	Stoop	conc	1		
77.	Elec Room	Conc-Block	1		
78.	Feed Conveyor Surface Galley (Sides)	Siding	1		
79.	Feed Conveyor Surface Galley (Top + Bottom)	Siding	1		
80.	Pipe Rack	Steel	1		
81.	Feed Hopper Metal Cover (Long)	Steel Siding	1		
82.	Feed Hopper Metal Cover (Short)	Steel Siding	1		
83.	Pre-Leach Pad	conc	1		
84.	Pre-Leach Pad Containment Walls (Long)	conc	1		
85.	Pre-Leach Pad Containment Walls (Short)	conc	1		
86.	Pulp Tank Pedestals	conc	2		
87.	Pre-leach Tank Pedestals	conc	2		
88.	Pre-leach Tank Pedestals - Legs	conc	8		
89.	Pre-leach Clarifier Legs	Steel	12		
90.	Pre-leach Thickener Legs	Steel	4		
91.	Pipe Rack - Pre Leach area	Steel	4		
92.	Platforms	Steel	1		
93.	Control-Room Platform	Steel	1		
94.	Pre-Leach Stairs	Steel	12		

Table D.2 Area 200 – Leaching – Duration: 8 Days

17,320 sq. ft. (225' x 77')

One Story (83 ft tall)

Steel Building

Item No.	Item	Description	Quantity
1.	Pre-Leach Tanks 1 & 2 Agitators	Steel/Rubber- Shaft	2
2.	Pre-Leach Tanks 1 & 2 Agitators	Steel/Rubber-Impeller	2
3.	Pre-Leach Thickener Rake	Steel, Chlorobutyl Liner	1
4.	Pre-Leach Clarifier Rake	Steel, Chlorobutyl Liner	1
5.	Pre-Leach Clarifier	steel, epoxy coated	1
6.	Pre-Leach Thickener Underflow Pumps	Steel, Rubber	2
7.	Clarifier Underflow Pump	Steel, Rubber	1
8.	Pre-Leach Area Sump Pump	Steel	1
9.	Pre-Leach Thickener	steel, epoxy coated	1
10.	Pre-Leach Tanks 1 & 2	Steel, Chlorobutyl Liner	2
11.	Pre-Leach Thickener Feed Box	Steel, Rubber	1
12.	Pre-Leached Flocculant Dilution Boxes 1 & 2	Steel, Rubber	2
13.	Leach Tanks 1 & 8 Agitators	Steel, Rubber - Shaft	8
14.	Leach Tanks 1 & 8 Agitators	Steel, Rubber - Impeller	1
15.	Leach Train Vent Gas Scrubber Fan	Coated Steel	1
16.	Leach Train Vent Gas Scrubber	FRP	1
17.	Leach Train Vent Gas Scrubber	FRP-Stack	1
18.	Leach Train Vent Gas Scrubber Pump	FRP	1
19.	Leach Train Area Sump Pumps 1 & 2	Steel, Rubber	2
20.	Leach Tanks 1 -8	Steel, chlorobutyl lined-1/4"	8
21.	Grind-Leach Bldg	Conc	1
22.	Control Room - 3 Story	Conc	1
23.	Grind Leach - Boiler Bldg	Conc	1
24.	Grind Leach - Boiler Bldg	Conc	3
25.	SAG Mill Pedestal	Conc	1
26.	Door Pads	Conc	3
27.	Drive Stoops	Conc	3
28.	Grind Leach - Boiler Bldg	Steel	1
29.	Grind Leach - Boiler Bldg	Steel	1
30.	Grind Leach - Boiler Bldg	steel	2
31.	Grind Leach - Boiler Bldg	Steel	1
32.	Platforms	steel	1
33.	Platforms	steel	1
34.	Platforms	steel	4
35.	Leach Pedestals	steel	8
36.	Stairs	steel	8
37.	Grind-Leach Bldg	Steel	1
38.	Grind-Leach Bldg	Steel	1
39.	Grind-Leach Bldg	Steel	1
40.	Control Room - 3 Story	Steel	1
41.	Control Room - 3 Story	Steel	2
42.	Control Room - 3 Story	Steel	1
43.	Control Room - 3 Story	Steel	1

Table D.3 Area 300 – CCD & Tailings Disposal – Duration: 6 Days

4,920 sq. ft. (200' x 120')

One Story (21 ft tall)

Steel Building

Item No.	Item	Description	Quantity
1.	CCD Thickener 1 -8 Rakes	Steel, chlorobutyl liner	8
2.	CCD Thickener 1 -8 Overflow Pumps	316 SS	8
3.	Pre-Leach Thickener Flocculant Metering Pump	Steel	1
4.	Pre-Leach Clarifier Flocculant Metering Pump	Steel	1
5.	CCD Thickener 1 -8 Flocculant Metering Pump	Steel	8
6.	CCD Thickener 1 - 8 Underflow Pumps	Steel	10
7.	CCD Area Sump Pumps	Steel, Rubber	2
8.	CCD Thickeners 1 -8	Steel, epoxy coated	8
9.	CCD Thickener 1 - 8 Overflow Pipes	HDPE	8
10.	CCD Thickener 1 -8 Feed Boxes	Steel	8
11.	CCD Flocculant Dilution Boxes 1 -8	Steel	8
12.	Tailing Cell A1 Barge Pump	316 SS	1
13.	Tailing Cell A1 Drainage Pump	316 SS	1
14.	Tailing Cell A1 Leak Detecion Pump	316 SS	1
15.	Tailing Cell A2 Barge Pump	316 SS	1
16.	Tailing Cell A2 Drainage Pump	316 SS	1
17.	Tailing Cell A2 Leak Detection Pump	316 SS	1
18.	Tailing Cell B Barge Pump	316 SS	1
19.	Tailing Cell B drainage Pump	316 SS	1
20.	Tailing Cell B Leak Detection Pump	316 SS	1
21.	Tailings Pump	Metal	2
22.	Tailings Sampling System	Metal	1
23.	Tailings Sump	Steel, rubber	1
24.	Tailings Collection Box	Metal	1
25.	Evaporation Pond Barge Pump	316 SS, di	1
26.	Evaporation Pond Leak detection Pump	316 SS	1
27.	Evaporation Pond Mister Pumps	316 SS	4
28.	CCD Foundation	Conc	1
29.	Door Pads	Conc	6
30.	Platforms	steel	1
31.	Tails Pump Platform	steel	1
32.	Stairs	steel	3
33.	Bldg Sides (Long)	steel	1
34.	Bldg Sides (Short)	steel	1
35.	Bldg Roof	steel	1
36.	MCC	Steel	1
37.	Supply Transformer		1

Table D.4 Area 400 & 600 – Uranium / Vanadium Solvent Extraction – Duration: 19 Days					
51,800 sq. ft. (370' x 140')					
Two Story (29 ft tall)					
Steel & Concrete Building					
Item No.	Item	Description	Quantity		
1.	Body Feed Tank Agitator	Steel	1		
2.	Precoat Tank Agitator	Steel	1		
3.	De-Preparation Tank Agitator	Steel	1		
4.	De-Preparation Tank Bag Breaker	Steel	1		
5.	De-Preparation Tank Dust Collector	Steel	1		
6.	Uranium Polishing Filters 1 & 2	316 SS	2		
7.	De-Preparation Tank Bag Hoist	Steel	1		
8.	Uranium Polishing Filter Feed Pumps	316 SS	2		
9.	Vanadium Vent Gas Scrubber Feed Pump	316 SS	1		
10.	Body Feed Tank Pumps	316 SS	3		
11.	PreCoat Tank Pumps	316 SS	2		
12.	De-Preparation Tank Pumps	316 SS	2		
13.	Clarifier Overflow Pipe	HDPE	1		
14.	Body Feed Tank	FRP	1		
15.	Precoat Tank	FRP	1		
16.	De-Preparation Tank	FRP	1		
17.	Crud Centrifuge	Stainless Steel	1		
18.	Crud Solids Disposal Hopper	Steel	1		
19.	SX Area Hoist	Steel	1		
20.	Uranium SX Mixer Settlers A1 - A4	316 SS	4		
21.	Uranium SX Raffinate Settler A	316 SS	1		
22.	Uranium SX Feed Pumps	316 SS	2		
23.	Uranium Raffinate Pumps	316 SS	2		
24.	Uranium SX Mixer Settler A1 Organic Pump	D.I. / 316 SS	1		
25.	Uranium SX Raffinate Settler A Organic Pump	Cast Iron, rubber hose	1		
26.	Uranium SX Raffinate Settler A Aqueous Pump	316 SS	1		
27.	Crud Centrifuge Feed Pump	316 SS	1		
28.	Uranium SX Extraction Area Sump Pump	316 SS	1		
29.	Uranium SX Feed tank	Shell: A36 lining chlorobutyl	1		
30.	Uranium SX Raffinate Tank	FRP	1		
31.	Crud Aqueous Tank	FRP	1		
32.	Crud Organic Tank	FRP	1		
33.	Uranium SX Mixer Settlers B1 - B4	316L SS	4		
34.	Uranium SX Raffinate Settler B	316L SS	1		
35.	Uranium SX Mixer Settler B1 Organic Pump	DI / 316 SS	1		
36.	Uranium SX Raffinate Settler B Organic Pump	Cast Iron, rubber hose	1		
37.	Uranium SX Raffinate Settler B Aqueous Pump	DI / 316 SS	1		
38.	Uranium SX Scrubber Mixer Settler	Mixer Settler	1		
39.	Uranium SX Stripper Mixer Settlers 1 & 2	Mixer Settler	2		
40.	Uranium SX Loaded Organic Pumps	Centrifugal Pump	2		
41.	Uranium SX Scrubber Aqueous Pump	Hose Pump	1		
42.	Uranium Stripped Liquor Pump	Hose Pump	1		
43.	Uranium Organic Recycle Pump	Centrifugal Pump	1		
44.	Uranium SX Barren Organic Pumps	Centrifugal Pump	2		
45.	Uranium SX Stripping Area Sump Pump	Sump Pump	1		
46.	Uranium SX Loaded Organic Tank	Tank	1		
47.	Uranium SX Barren Organic Tank	Tank	1		
48.	Vanadium Oxidation Tanks 1 - 3 Agitators	Steel/Rubber- Shaft	3		
49.	Vanadium Oxidation Tanks 1 - 3 Agitators	Steel/Rubber- Impeller	3		
50.	Vanadium Oxidation Tanks 4 - 5 Agitators	Steel/Rubber - Shaft	2		
51.	Vanadium Oxidation Tanks 4 - 5 Agitators	Steel/Rubber - Impeller	2		
52.	Vanadium Polishing Filter	316L SS	1		
53.	Vanadium Polishing Filter Feed Pump	316 SS	1		
54.	Vanadium SX Feed Pumps	316 SS	2		
55.	Polishing Filter Area Sump Pump	Steel	1		
56.	Vanadium Oxidation Area Sump Pump	316L SS	1		

Table D.4 Area 400 & 600 – Uranium / Vanadium Solvent Extraction – Duration: 19 Days					
51,800 sq. ft. (370' x 140')					
Two Story (29 ft tall)					
Steel & Concrete Building					
Item No.	Item	Description	Quantity		
57.	Vanadium Polishing Filter Feed Tank	FRP	1		
58.	Vanadium SX Feed Tank	FRP	1		
59.	Vanadium Oxidation Tanks 1 -3	FRP	3		
60.	Vanadium Oxidation Tanks 4 -5	FRP	2		
61.	Vandium SX Mixer Settlers A1 - A5	316L SS	5		
62.	Vanadium SX Raffinate Settler A	316L SS	1		
63.	Vanadium Raffinate Pumps	316 SS	2		
64.	Vanadium Raffinate Return Pumps	316 SS	2		
65.	Vanadium SX Mixer Settler A1 Organic Pump	DI / 316 SS	1		
66.	Vanadium SX Faffinate Settler A Organic Pump	Steel	1		
67.	Vanadium SX Raffinate Settler A Aqueous Pump	316 SS	1		
68.	Vanadium SX Extraction Area Sump Pump	316 SS	1		
69.	Vanadium SX Raffinate Tank	Steel, chlorobutyl liner	1		
70.	Vanadium SX Mixer Settlers B1 - B5	316L SS	5		
71.	Vanadium SX Raffinate Settler B	316L SS	1		
72.	Vanadium SX Mixer Settler B1 Organic Pump	DI / 316 SS	1		
73.	Vanadium SX Raffinate Settler B Organic Pump	Steel	1		
74.	Vanadium SX Reffinate Settler B Aqueous Pump	Steel	1		
75.	Vanadium SX Scrubber Mixer Settler	316L SS	1		
76.	Vanadium SX Stripper Mixer Settler 1 - 3	316L SS	3		
77.	Vanadium SX Loaded Organic Pumps	DI / 316 SS	2		
78.	Vanadium Scrubber Aqueous Pump	Steel	1		
79.	Vanadium Sripped Liquor Pump	Steel	1		
80.	Vanadium Recycle Organic Pump	Steel	1		
81.	Vanadium SX Barren Organic Pumps	DI / 316 SS	2		
82.	Vanadium SX Stripping Area Sump Pump	Steel	1		
83.	Vanadium SX Loaded Organic Tank	FRP	1		
84.	Vanadium SX Barren Organic Tank	FRP	1		
85.	SX Building Pad	Concrete	1		
86.	" stoops	Concrete	6		
87.	" door pads	Concrete	6		
88.	420-thk pad	Concrete	1		
89.	620-thk pad	Concrete	1		
90.	SX Building Elec Room	Concrete	1		
91.	400-tx-01 transformer pad	Concrete	1		
92.	400-tx-02 transformer pad	Concrete	1		
93.	Pipe Rack by elec transformer	steel	1		
94.	Stairs	steel	4		
95.	Bldg Walls (Long)	steel	2		
96.	Bldg Walls (Short)	steel	1		
97.	Bldg Roof	steel	1		
98.	Stairs	steel	9		
99.	V OX Bldg Walls (Long)	steel	4		
100.	V OX Bldg Walls (Short)	steel	4		
101.	V OX Bldg Roof	steel	1		
102.	Platforms	steel - Area	1		
103.	Platforms	steel - Area	1		
104.	MCC	Steel	1		
105.	MCC	Steel	1		
106.	Supply Transformer		1		
107.	Supply Transformer		1		

Table D.5 Area 500 & 700 – Uranium / Vanadium Precipitation – Duration: 14 Days					
37,500 sq. ft. (250' x 75' + 175' x 75')					
One Story (96 ft tall)					
Steel Building					
Item No.	Item	Description	Quantity		
1.	Uranium Precipitation Feed Tank Agitator	Steel/Rubber-Shaft	1		
2.	Uranium Precipitation Feed Tank Agitator	Steel/Rubber-Impeler	1		
3.	Uranium precipitation tanks2 -3 Agitators	Steel Rubber- Shaft	2		
4.	Uranium precipitation tanks2 -3 Agitators	Steel Rubber- Impeller	2		
5.	Uranium Precipitation Tanks 4 - 6 Agitators	Steel Rubber- Shaft	3		
6.	Uranium Precipitation Tanks 4 - 6 Agitators	Steel Rubber- Impeller	3		
7.	Uranium Thickener Rake	Steel Rubber	1		
8.	Uranium Precipitation Feed Pumps	Cast Iron	3		
9.	Uranium Thickener Overflow Pump	316 SS	1		
10.	Uranium Thickener Flocculant Metering Pump	Cast Iron	1		
11.	Uranium Thickener Feed Pump	D.I./316 SS	1		
12.	Uranium Thickner Underflow Pumps	Steel	2		
13.	Uranium Precipitation Area Sump Pump	316 SS	1		
14.	Uranium Thickener	Steel, chlorobutyl lined	1		
15.	Uranium Thickener Overflow Pipe	HDPE	1		
16.	Uranium Thickener Mix Feed Box	Steel, chlorobutyl lined	1		
17.	Uranium Precipitation Feed Tank	Steel, chlorobutyl lined	1		
18.	Uranium Precipitation Tanks 2 - 3	Steel, chlorobutyl lined	2		
19.	Uranium Precipitation Tanks 4 - 6	Steel, chlorobutyl lined	3		
20.	Uranium Product Conveyor	Stainless Steel	1		
21.	Wet Uranium Cake Conveyor	Steel	1		
22.	Dry Uranium Cake Conveyor	Steel	1		
23.	Uranium Steam Dryer	316L SS	1		
24.	Uranium Belt Filter	316L SS	1		
25.	Uranium Vent Gas Scrubber Fan	Steel	1		
26.	Uranium Vent Gas Scrubber	304 SS / FRP	1		
27.	Uranium Vent Gas Scrubber	FRP	1		
28.	Uranium Product Feed Hopper	316L SS	1		
29.	Uranium Packaging System	Stainless Steel	1		
30.	Uranium Vent Gas Scrubber Pump	Steel	1		
31.	Uranium Filtrate Receiver Pump	Steel	1		
32.	Uranium Packaging Area Sump Pump	Steel	1		
33.	Uranium Vacuum Pump	Ductile Iron	1		
34.	Uranium Vacuum Seal Tank	Steel	1		
35.	Uranium Filtrate Receivers 1 & 2	PES / PP	2		
36.	Vanadium Precipitation Tank 1 Agitator	Steel, Rubber - Shaft	1		
37.	Vanadium Precipitation Tank 1 Agitator	Steel, Rubber - impeller	1		
38.	Vanadium Precipitation Tanks 2 - 5 Agitators	Steel, Rubber - Shaft	4		
39.	Vanadium Precipitation Tanks 2 - 5 Agitators	Steel, Rubber - impeller	1		
40.	Vanadium Precipitation Feed Pump	Steel	1		
41.	Vanadium Precipitation Tank 1 Pump	Steel	1		
42.	Vanadium Precipitation Decant Pump	DI / 316 SS	1		
43.	Vanadium Precipitation Tanks 2 - 5 Pump	Steel	1		
44.	Vanadium Precipitation Area Sump Pump	316 SS	1		
45.	Vanadium Precipitation Feed Tank	FRP	1		
46.	Vanadium Precipitation Tank 1	FRP	1		
47.	Vanadium Precipitation Tanks 2 - 5	FRP	4		
48.	Bucket Elevator	Steel	1		
49.	Vanadium Product Conveyor	Stainless Steel	1		
50.	Wet Vanadium Cake Conveyor	Steel	1		
51.	Dry Vanadium Cake Conveyor	Steel	1		
52.	Rotary Kiln Feed Conveyor	Steel	1		
53.	Granular Vanadium Conveyor	Steel	1		
54.	Casting Water Wheel	Steel	1		
55.	Vanadium Steam Dryer	Steel	1		
56.	Vanadium Belt Filter	316 SS, neoprene belt	1		

Table D.5 Area 500 & 700 – Uranium / Vanadium Precipitation – Duration: 14 Days					
37,500 sq. ft. (250' x 75' + 175' x 75')					
One Story (96 ft tall)					
Steel Building					
Item No.	Item	Description	Quantity		
57.	Fusion Furnace Combustion Air blower	Steel	1		
58.	Fusion Furnace	Steel	1		
59.	Vanadium Ven Gas Scrubber 1 Fan	Steel	1		
60.	Vanadium Vent Gas Scribber 2 Fan	Steel	1		
61.	Vanadium Vent Gas Scrubber 1	FRP	1		
62.	Vanadium Vent Gas Scrubber 2	304 SS / FRP	1		
63.	Vanadium Rotary Kiln Feed Hopper	Steel	1		
64.	Vanadium Product Feed Hopper	Steel	1		
65.	Vanadium Rotary Kiln Feed Hopper	316 SS	1		
66.	Vanadium Packaging System	Stainless Steel	1		
67.	Vanadium Vent Gas Scrubber 1 Pump	C.I.	1		
68.	Vanadium Filtrate Receiver Pump	Steel	1		
69.	Vanadium Vent Gas Scrubber 2 Pump	C.I.	1		
70.	Casting Water Wheel Recycle Pump	Steel	1		
71.	Dryer Condensate Tank Pump	Steel	1		
72.	Vanadium Packing Area Sump Pump	Steel	1		
73.	Vanadium Vacuum Pumps 1 & 2	Steel	2		
74.	Vanadium Vacuum Seal Tank	Steel	1		
75.	Dryer Condensate Tank Pump	Steel	1		
76.	Vanadium Filtrate Receivers 1 & 2	Steel	2		
77.	Pad	Conc	1		
78.	Elec Room bldg metal (long)	Steel	1		
79.	Elec Room bldg metal (Short)	Steel	1		
80.	Elec Room Foundation	Conc	1		
81.	Elec Room - Stoops	Conc	2		
82.	NaClO3 Tanks - Pad	Conc	1		
83.	NaClO3 Tanks - Contain Wall (Long)	Conc	1		
84.	NaClO3 Tanks - Contain Wall (Short)	Conc	1		
85.	NH2SO4 Tank-Pad	Conc	1		
86.	NH2SO4 Tank-Contain Wall (Long)	Conc	1		
87.	NH2SO4 Tank-Contain Wall (Short)	Conc	1		
88.	NaCO3 Tank - Pad	Conc	1		
89.	NaCO3 Tank - Contain Wall (Long)	Conc	1		
90.	NaCO3 Tank - Contain Wall (Short)	Conc	1		
91.	Raw Water Tank Pad	Conc	1		
92.	Transformer Pads	Conc	3		
93.	Siding (Long)	steel	1		
94.	Siding (Short)	Steel	1		
95.	Roof	steel	1		
96.	Comp Room Siding (Long)	steel	1		
97.	Comp Room Siding (Short)	Steel	1		
98.	Comp Room Roof	steel	1		
99.	Barrels- V2O5	55 gal Drms	300		
100.	Barrels- U3O8	55 gal Drms	300		
101.	Pad	Conc	1		
102.	Bldg Stoop	Conc	1		
103.	Propane Storage	Conc	1		
104.	Truck Unload Ramps	Conc	2		
105.	Propane Tank	Steel	1		
106.	V2O5 Platforms- 4 story	steel	4		
107.	U3O8 Platforms- 3 story	steel	3		
108.	Stairs	steel	14		
109.	Obs Deck	steel	1		
110.	Pipe Rack	Conc	1		
111.	U Pack Bldg Siding (Long)	steel	1		
112.	U Pack Bldg Siding (Short)	Steel	1		

Table D.5 Area 500 & 700 – Uranium / Vanadium Precipitation – Duration: 14 Days					
37,500 sq. ft. (250’ x 75’ + 175’ x 75’)					
One Story (96 ft tall)					
Steel Building					
Item No.	Item	Description	Quantity		
113.	U Pack Bldg Roof	steel	1		
114.	V Pack Bldg Siding (Long)	steel	1		
115.	V Pack Bldg Siding (Short)	steel	1		
116.	V Pack Bldg Roof	steel	1		
117.	Drum Rooms - Siding (Long)	steel	1		
118.	Drum Rooms - Siding (Short)	steel	1		
119.	Drum Rooms - Roof	steel	1		
120.	MCC	Steel	1		
121.	MCC	Steel	1		
122.	MCC	Steel	1		
123.	Supply Transformer		1		
124.	Supply Transformer		1		
125.	Supply Transformer		1		

Table D.6 Area 800 – Reagents – Duration: 6 Days					
15,100 sq. ft. (75' x 68' + 100' x 100')					
One Story (20 ft tall)					
2 - Steel Buildings					
Item No.	Item	Description	Quantity		
1.	Sulfuric Acid Off-Loading Pump	Alloy 20	1		
2.	Sulfuric Acid Feed Pumps	Alloy 20	2		
3.	Sulfuric Acid Area Sump Pump	Steel	1		
4.	Sulfuric Acid Storage Tanks	Steel	3		
5.	Ammonium Sulfate Solution Tank Agitator	Steel	1		
6.	Ammonium Sulfate Transfer Conveyor	Steel	1		
7.	Ammonium Sulfate Feed Conveyor	Steel	1		
8.	Ammonium Sulfate Dust Collecting Baghouse	Steel	1		
9.	Ammonium Sulfate Storage Hopper	Steel	1		
10.	Ammonium Sulfate Weigh Hopper	Steel	1		
11.	Ammonium Sulfate Solution Pump	Steel	1		
12.	Ammonia Transfer Pumps	Steel	2		
13.	Ammonium Sulfate Scale	Steel	1		
14.	Ammonia Storage Tanks	Steel	2		
15.	Ammonium Sulfate Solution Tank	Steel	1		
16.	Ammonia Vaporizer	Steel	1		
17.	Sodium Hydroxide Transfer Pump	Steel	1		
18.	Dilute Sodium Hydroxide Storage Tank	Steel	2		
19.	Dilute Sodium Hydroxide Storage Tank	Steel	1		
20.	Sodium Carbonate Slurry Recycle Pump	Steel	1		
21.	Sodium Carbonate Slurry Transfer Pump	Steel	1		
22.	Dilute Sodium Carbonate Feed Pump	Steel	2		
23.	Sodium Carbonate Area Sump Pump	Steel	1		
24.	Sodium Carbonate Slurry Storage Tank	Steel	1		
25.	Dilute Sodium Carbonate Storage Tank	Steel	1		
26.	Flocculant Mix Tank Agitator	316 SS	1		
27.	Flocculant Feed Conveyor	304 SS	1		
28.	Flocculant Blow	Steel	1		
29.	Flocculant Feed Hopper	Steel	1		
30.	Flocculant Transfer Pump	SS,ruber lined case	1		
31.	Flocculant Feed Pumps	SS,ruber lined case	2		
32.	Flocculant Storage Tank	FRP	1		
33.	Flocculant Mix Tank	FRP	1		
34.	Kerosene Off-Loading Pump	D.I. / 316 SS	1		
35.	Kerosene Feed Pump	D.I. / 316 SS	1		
36.	Organic Transfer Pump	D.I. / 316 SS	1		
37.	Alcohol Feed Pump	PES / PP	1		
38.	Amine Feed Pump	PES / PP	1		
39.	Kerosene Storage Tank	Steel	1		
40.	Organic Make-Up Tank	Steel	1		
41.	Sodium Chlorate Mix Tank Agitator	Steel/Rubber - Shaft	1		
42.	Sodium Chlorate Mix Tank Agitator	Steel/Rubber - Impeller	1		
43.	Sodium Chlorate Off-Loading Pump	Steel	1		
44.	Sodium Chlorate Transfer Pump	D.I. / 316 SS	1		
45.	Sodium Chlorate Feed Pumps	D.I. / 316 SS	2		
46.	Hydrogen Peroxide Off-Loading Pump	316 SS	1		
47.	Hydrogen Peroxide Feed Pump	316 SS	2		
48.	Sodium Chlorate Storage Tank	FRP	1		
49.	Hydrogen Peroxide Storage Tank	316 SS	1		
50.	Sodium Chlorate Mix Tank	FRP	1		
51.	Reagent Unloading - Bldg	Conc	1		
52.	Warehouse,Shop, Dry Reagents - Bldg	Conc	1		
53.	Warehouse,Shop, Dry Reagents - Bldg	Conc	4		
54.	Ammonia Storage Pad	Conc	1		
55.	Kerosene Storage	Conc	1		
56.	Sulfuric Acid Storage	Conc	1		

Table D.6 Area 800 – Reagents – Duration: 6 Days

15,100 sq. ft. (75’ x 68’ + 100’ x 100’)

One Story (20 ft tall)

2 - Steel Buildings

Item No.	Item	Description	Quantity
57.	Reagent Unloading - Bldg	Steel	1
58.	Reagent Unloading - Bldg	Steel	1
59.	Reagent Unloading - Bldg	Steel	1
60.	Warehouse,Shop, Dry Reagents - Bldg	Steel	4
61.	Warehouse,Shop, Dry Reagents - Bldg	Steel	4
62.	Warehouse,Shop, Dry Reagents - Bldg	Steel	1
63.	Warehouse,Shop, Dry Reagents - Bldg	Steel	1
64.	Warehouse,Shop, Dry Reagents - Bldg	Steel	1
65.	Warehouse,Shop, Dry Reagents - Bldg	Steel	1
66.	Kerosene Storage	Steel	1
67.	Kerosene Storage	Steel	1
68.	Sulfuric Acid Storage	Steel	3
69.	Sulfuric Acid Storage	Steel	2
70.	MCC	Steel	1
71.	MCC	Steel	1
72.	Supply Transformer		1
73.	Supply Transformer		1

Table D.7 Area 900 – Laboratory and Utilities – Duration: 26 Days			
27,500 sq. ft. (175' x 125')			
One Story (30 ft tall)			
2 - Steel Buildings			
Item No.	Item	Description	Quantity
1.	Raw Water Pumps	D.I. / 316 SS	2
2.	Process Water Storage Tank Pump	D.I. / 316 SS	1
3.	Process Water Day Tank Pump	D.I. / 316 SS	1
4.	Return Water Pumps	D.I. / 316 SS	2
5.	Fire Water Jockey Pump	Steel	1
6.	Fire Water Diesel Pump	Steel	1
7.	Raw Water Storage Tank	Steel, epoxy coating	1
8.	Return Water Storage Tank	Steel, epoxy coating	1
9.	Process Water Storage Tank Pump	Steel	1
10.	Process Water Day Tank	Steel	1
11.	Water Treatment Package	Steel	1
12.	Steam Boilers	Steel	3
13.	Boiler Burner	Steel	3
14.	Combustion Air Fan	Steel	3
15.	Boiler Water Feed Pumps	Steel	4
16.	Blowdown Tank	Steel	1
17.	Flash Tank	Steel	1
18.	Deaerator	Steel	1
19.	Stack	Steel	1
20.	Air Compressors	Steel	3
21.	Air Dryers	Steel	2
22.	Pre-Filters	Polypropylene	1
23.	After Filters	Polypropylene	1
24.	Air Receivers	Steel	2
25.	Diesel Off-Loading Pump	Steel	1
26.	Diesel Transfer Pumps	Steel	2
27.	Diesel Fueling Pump	Steel	1
28.	Diesel Storage Tank	Steel	1
29.	Standby Generator Diesel Day Tank	Steel	1
30.	Fire Water Pump diesel Day Tank	Steel	1
31.	Propane Storage Tank	Steel	1
32.	Laboratory Sump Pump	316L SS	1
33.	Lab	Conc	1
34.	Lab	Conc	4
35.	Lab	Conc	1
36.	900-GA-007 Area 900 Warehouse and Shop	Conc	1
37.	900-GA-007 Area 900 Warehouse and Shop	Conc	4
38.	900-GA-008 Area 900 Truck Shop	Conc	1
39.	900-GA-008 Area 900 Truck Shop	Conc	3
40.	Lab	Steel	1
41.	Lab	Steel	1
42.	Lab	Steel	1
43.	Lab	Steel	4
44.	Lab	Steel	20
45.	Lab	Steel	34
46.	Lab	Steel	21
47.	Lab	Steel	15
48.	Lab	Steel	18
49.	900-GA-007 Area 900 Warehouse and Shop	Steel	1
50.	900-GA-007 Area 900 Warehouse and Shop	Steel	4
51.	900-GA-007 Area 900 Warehouse and Shop	Steel	4
52.	900-GA-007 Area 900 Warehouse and Shop	Steel	1
53.	900-GA-008 Area 900 Truck Shop	Steel	1
54.	900-GA-008 Area 900 Truck Shop	Steel	4
55.	900-GA-008 Area 900 Truck Shop	Steel	4

Attachment E

Project Labor Rates

Description	Note			Base Salary	Fringe 15%	Base Rate Per Hour	Combined Hourly Base	FICA 7.65%	FUTA 0.80%	SUTA 1.72%	W/C 9.83%	Burdened Cost Per Hour
Supervisor		1		80,000.00	5.77	38.46	44.23	3.38	0.35	0.76	5.52	54.24
Assistant Supervisor		1		55,000.00	3.97	26.44	30.41	2.33	0.24	0.52	3.79	37.29
Administrator		1		40,000.00	2.88	19.23	22.12	1.69	0.18	0.38	2.76	27.12
Project Engineer		2		67,000.00	4.83	32.21	37.04	2.83	0.30	0.64	4.62	45.43
Health & Safety Officer		2		95,000.00	6.85	45.67	52.52	4.02	0.42	0.90	6.55	64.42
Operator		1	**18.75**	39,000.00	2.81	18.75	21.56	1.65	0.17	0.37	2.69	26.44
Sr.Technician		2	**20.00**	41,600.00	3.00	20.00	23.00	1.76	0.18	0.40	2.87	28.21
Technician		2	**15.00**	31,200.00	2.25	15.00	17.25	1.32	0.14	0.30	2.15	21.16

Note:

1 Source is KGL

2 Source is USA Environment

Attachment F

Project Equipment Rates

Description	Note	Subtotal Rate			
		Fixed[3]	Variable[4]	Fuel[5]	Total
Dozers					
D4 Dozer	2	20.36	3.05	9.75	33.16
D6 Dozer - LGP	1	65.88	12.08	19.50	97.46
D6 Dozer XL	2	53.75	8.06	22.75	84.56
D8 Dozer - w/ ripper	2	65.63	9.84	32.50	107.97
D9 Dozer - w/ ripper	2	68.75	10.31	65.00	144.06
D10 Dozer - w/ ripper	2	71.88	10.78	71.50	154.16
Loaders					
950 Wheel Loader	2	48.83	7.32	16.25	72.41
966 Wheel Loader	2	46.88	7.03	19.50	73.41
980 Wheel Loader	2	46.88	7.03	29.25	83.16
988 Wheel Loader	2	46.88	7.03	55.25	109.16
963 Tracked Loader	2	46.88	7.03	19.50	73.41
Materials Handler	2				
IT-28 Materials Handler	2	46.88	7.03	13.00	66.91
IT-38 Materials Handler	2	53.13	7.97	16.25	77.34
Excavators					
318 Excavator	2	54.69	8.20	13.00	75.89
320 Excavator	2	36.02	5.40	19.50	60.92
330 Excavator W/Hyd. Thum	2	66.84	10.03	29.25	106.12
345 Excavator	2	65.63	9.84	39.00	114.47
365 Excavator	1	128.16	15.00	52.00	195.16
375 Excavator	2	106.25	15.94	55.25	177.44
Specialty Excavators					
345 Excavator - w/ Demo Sh	2	171.88	25.78	24.38	222.03
345 Excavator - w/ Plate She	2	171.88	25.78	32.50	230.16
200 Excavator - w/ thumb	2	45.63	6.84	32.50	84.97
345 Excavator W/10K hamn	2	156.09	23.41	24.38	203.88
Hammer - for excavator	2	31.25	4.69	0.00	35.94
Trucks					
725D	2	61.25	9.19	19.50	89.94
735	2	93.75	14.06	20.15	127.96
735D	2	93.75	14.06	27.63	135.44
740D Ejector	1	85.12	9.84	27.63	122.59
Dump Truck	2	24.06	3.61	13.00	40.67
Backhoe/Tractors					
416 Backhoe	**2**	30.00	4.25	6.50	40.75
420 Backhoe	2	31.25	4.34	6.50	42.09
Tractor & Rome Disc	2	54.69	6.10	13.00	73.79

Description	Note	Subtotal Rate			
		Fixed[3]	Variable[4]	Fuel[5]	Total
Motor Grader					
120 Motor Grader	**2**	50.00	7.50	13.00	70.50
140 Motor Grader	2	59.38	8.91	16.25	84.53
12 Motor Grader	2	50.00	7.50	13.00	70.50
14 Motor Grader	1	62.76	7.50	19.50	89.76
24 Motor Grader	2	50.00	7.50	52.00	109.50
Scrapers					
613 Scraper	1	33.64	7.50	24.38	65.52
623 Scraper	2	50.00	7.50	39.00	96.50
627 Scraper	2	50.00	7.75	71.50	129.25
631 Scraper	2	50.00	7.75	91.00	148.75
637 Scraper	2	232.50	21.44	97.50	351.44
Water Trucks					
Water Truck W/Canon (4,00(	2	36.25	5.44	8.13	49.81
Water Wagon	2	50.00	7.50	37.38	94.88
Mini-Machines					
Mini-Excavator	2	12.50	1.88	9.75	24.13
Skid Steer W/Attachments	2	23.75	3.56	9.75	37.06
Trencher	2	5.31	0.80	0.33	6.43
Scissor Lift	2	5.31	0.80	6.50	12.61
3- In Trash Pumps	2	1.56		0.33	1.89
6-In Trash Pumps	2	5.00		0.33	5.33
2-In Elect. Submersible Pum	2	2.08		0.00	2.08
Compactors					
Cat 563 C	2	24.52	3.68	3.68	31.88
Trench Compactor	2	9.38	1.41	0.00	10.78
Misc					
fork-lift	2	6.25		0.33	6.58
2-4 fusion welder	2	6.25		0.33	6.58
6-8 fusion welder	2	10.00		0.33	10.33
6-18 fusion Welder	2	43.75		0.33	44.08
Scissor Lift					
H&S Equipment	2	6.25		0.33	6.58

Note:

1 Source is KGL
2 Source is USA Environment
3 Fixed Costs: Rental, Taxes, Insurance, Interest
4 Variable Costs: Lube, Labor, Wear Parts, Tires
5 Fuel: $3.25 / gal

Attachment G

Project Worksheet

PROJECT: Energy Fuels: Pinion Ridge Mill Closure
LOCATION: Montrose County Colorado
SCOPE: Scenario #2: Mill Decommissioning
PREPARER: CCB

ALPHA RESOURCE CODE
L = HOURLY LABOR; PI = PROJECT INDIRECTS
P = SALARIED LABOR; S = SUBCONTRACTORS
EO = EQUIPMENT; U = TAXES/INS.BONDS
ER = RENTED EQUIPMENT; M = MATERIALS

WBS Code	BID QNTY	ITEM UNIT	COST TYPE	RESOURCE DESCRIPTION	UNIT OF MEAS	HRS PER DAY	COST PER UNIT	LABOR OT $/HR	# OT HRS/ DAY	# OF RES.	# OF DAYS	TOTAL MEASR QTY	ST HR QTY	OT HR QTY	LABOR TOT	$ (000) ST	OT	DIRECT COST SUBTOTALS $ (000) HOURLY LABOR	OWNED EQUIP	RENTED EQUIP	TEMP MATL	SALARY LABOR	SBCNT COSTS	TAX/INS. BONDS	COST (000)	PROJ. INDIRECTS	SUBTOTAL	TOTAL COST	PER UNIT OF MEASURE	TOTAL TASK COST	TOTAL UNIT COST
1	1	LS		**Project Management, Engineering amd Overhead**																											
			S	Prepare RIWP																											
			S	Prepare RI Report																											
			S	Prepare/Finalize RAWP (Closure Plan)																											
				Management & Overhead																						$720,412.00	$720,412.00	$720,412.00		$720,412	$720,412
2	1	LS		**Characterize / Identify Limits of Contamination**																											
				Remedial Investigation																											
			L	Radiological Foreman	HOUR	8.00	124.63	0.00	0.00	1	60	480.0	480.0	0	480.0	59822.4	0.0	59,822.4	0.0	0.0	0.0	0.0	0.0	0.0	$59,822.40	0	$59,822.40	$59,822.00	$59,822.00		
			L	Rad-Technician	HOUR	8.00	63.00	0.00	0.00	6	60	2880.0	2880.0	0	2880.0	181440.0	0.0	181,440.0	0.0	0.0	0.0	0.0	0.0	0.0	$181,440.00	0	$181,440.00	$181,440.00	$181,440.00		
			M	Rad Field Screening Instruments	Day	1.00	300.00			60	1	60.0	0	0	0	0.0	0.0	0.0	0.0	0.0	18,000.0	0.0	0.0	0.0	18000.0	0	$18,000.00	$18,000.00	$18,000.00		
			S	Radiological Sample Analysis	EA	1.00	150.00			350	1	350.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52500.0	0.0	52500.0	0	$52,500.00	$52,500.00	$52,500.00		
			S	Geo-probe Drilling Contractor	Vft	1.00	15.00			1500	1	1500.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22500.0	0.0	22500.0	0	$22,500.00	$22,500.00	$22,500.00	$334,262	$334,262
3				**Radiation Program & Industrial Hygiene (3rd party Oversight)**																											
3a	1	LS		**Support Personnel Radiation Monitoring**																											
			L	Radiation Safety Officer	HOUR	8.00	28.93	0.00	0.00	1	704	5633.0	5633.0	0	5633.0	162963.6	0.0	162,963.6	0.0	0.0	0.0	0.0	0.0	0.0	162963.6	0	$162,964	$162,963.57	$28.93		
			L	Radiation Safety Technician	HOUR	8.00	19.29	0.00	0.00	1	704	5633.0	5633.0	0	5633.0	108661.2	0.0	108,661.2	0.0	0.0	0.0	0.0	0.0	0.0	108661.2	0	$108,661	$108,661.16	$19.29		
			L	Secretary / Clerk	HOUR	8.00	7.86	0.00	0.00	1	704	5633.0	5633.0	0	5633.0	44275.6	0.0	44,275.6	0.0	0.0	0.0	0.0	0.0	0.0	44275.6	0	$44,276	$44,275.62	$7.86	$315,900	$315,900
3b	1	LS		**Sampling & Analyses**																											
			L	Radiation Safety Technician	HOUR	1.12	19.29	28.94	0.00	1	702	783.9	783.9	0	783.9	15120.5	0.0	15,120.5	0.0	0.0	0.0	0.0	0.0	0.0	15120.5	0	$15,121	$15,120.53	$19.29		
			S	Lungscan	LS	0.00	189.44			27.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5114.9	0.0	5114.9	0	$5,115	$5,114.88	$189.44		
			S	Bio-Assay	LS	0.00	25.00			27.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	675.0	0.0	675.0	0	$675	$675.00	$25.00		
			S	Air Sample- Occupational (Breathing Zone)	LS	0.00	425.00			267.3	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	113602.5	0.0	113602.5	0	$113,603	$113,602.50	$425.00		
			S	Air Sample- Environmental (Breathing Zone)	LS	0.00	425.00			97.2	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41310.0	0.0	41310.0	0	$41,310	$41,310.00	$425.00		
			S	Track - Etch	LS	0.00	16.95			54.0	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	915.3	0.0	915.3	0	$915	$915.30	$16.95		
			S	OSL	LS	0.00	45.00			151.2	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6804.0	0.0	6804.0	0	$6,804	$6,804.00	$45.00		
			S	Surface Water	LS	0.00	831.60			43.2	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35925.1	0.0	35925.1	0	$35,925	$35,925.12	$831.60		
			S	Ground Water	LS	0.00	321.80			64.8	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20852.6	0.0	20852.6	0	$20,853	$20,852.64	$321.80		
			S	Air - PM10	LS	0.00	27.00			259.2	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6998.4	0.0	6998.4	0	$6,998	$6,998.40	$27.00		
			S	Air - Hi Vol Rads	LS	0.00	385.00			43.2	0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16632.0	0.0	16632.0	0	$16,632	$16,632.00	$385.00	$263,950	$263,950
4	1	LS		**Mobilization / Demobilization**																											
			S	Mobilize Equipment	EA	1.00	1080			18	2	36.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38880.0	0.0	38880.0	0	$38,880.00	$38,880.00	$38,880.00		
			PI	Travel	LS	1	50000			1	1.8	1.8	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90,000	$90,000.00	$90,000.00	$90,000.00	$128,880	$128,880
5	1	Sum		**Decontaminate Mill Facility**																											
	5a			**Universal Decon Supplies**																											
	1	LS	M	UP Liquid Containers: Tote	EA	1.00	800.00			10	1	10.0	0	0	0	0.0	0.0	0.0	0.0	0.0	8,000.0	0.0	0.0	0.0	8000.0	0	$8,000	$8,000.00	$8,000.00		
			M	Dump Trailers	EA	1.00	2500.00			2	1	2.0	0	0	0	0.0	0.0	0.0	0.0	0.0	5,000.0	0.0	0.0	0.0	5000.0	0	$5,000	$5,000.00	$5,000.00		
			M	55-Gal Drum	EA	1.00	75.00			56	1	56.0	0	0	0	0.0	0.0	0.0	0.0	0.0	4,200.0	0.0	0.0	0.0	4200.0	0	$4,200	$4,200.00	$3,750.00		
			M	Misc. Decontamination Supplies/Tools	LS	1.00	10000.00			1	1	1.0	0	0	0	0.0	0.0	0.0	0.0	0.0	10,000.0	0.0	0.0	0.0	10000.0	0	$10,000	$10,000.00	$10,000.00	$27,200	$27,200
	5b			**Area 100: Ore Handling and Grinding Area Decontamination**																											
	1	LS	ER	IT-38 Materials Handler	HOUR	10.00	57.20			1	1.00	10.0	0	0	0	0.0	0.0	0.0	0.0	572.0	0.0	0.0	0.0	0.0	572.0	0	$572	$571.96	$571.96		
			PI	IT-38 Materials Handler FOG	HOUR	9.00	24.22			1	1.00	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		218.0	$218	$217.97	$217.97		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	1.00	10.0	8.0	2	10.0	150.0	56.3	206.3	0.0	0.0	0.0	0.0	0.0	0.0	206.3	0	$206	$206.25	$206.25		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	38.87			1	1.00	10.0	0	0	0	0.0	0.0	0.0	0.0	388.7	0.0	0.0	0.0	0.0	388.7	0	$389	$388.72	$388.72		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	1.00	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		122.1	$122	$122.06	$122.06		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	1.00	10.0	8.0	2	10.0	150.0	56.3	206.3	0.0	0.0	0.0	0.0	0.0	0.0	206.3	0	$206	$206.25	$206.25		
			ER	Skid Steer W/Attachments	HOUR	10.00	25.70			1	1.00	10.0	0	0	0	0.0	0.0	0.0	0.0	257.0	0.0	0.0	0.0	0.0	257.0	0	$257	$257.01	$257.01		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	1.00	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		119.8	$120	$119.81	$119.81		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	1.00	10.0	8.0	2	10.0	150.0	56.3	206.3	0.0	0.0	0.0	0.0	0.0	0.0	206.3	0	$206	$206.25	$206.25		
			ER	fork-lift	HOUR	10.00	6.60			1	1.00	10.0	0	0	0	0.0	0.0	0.0	0.0	66.0	0.0	0.0	0.0	0.0	66.0	0	$66	$65.96	$65.96		
			PI	fork-lift FOG	HOUR	9.00	0.33			1	1.00	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		2.9	$3	$2.93	$2.93		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	1.00	10.0	8.0	2	10.0	150.0	56.3	206.3	0.0	0.0	0.0	0.0	0.0	0.0	206.3	0	$206	$206.25	$206.25		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	1	1.00	10.0	8.0	2	10.0	216.0	81.0	297.0	0.0	0.0	0.0	0.0	0.0	0.0	297.0	0	$297	$297.00	$297.00		
			S	Disposal of petroleum Impacted Wastewater	Gal	1.00	1.25			200	1	200.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250.0	0.0	250.0	0	$250	$250.00	$250.00		
			S	Sludge/solid waste containing oil and/or petroleum product	ton	1.00	16.96			5	1	5.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.8	0.0	84.8	0	$85	$84.82	$84.82		
			S	Sludge/solid waste containing oil and/or petroleum product	ton	1.00	50.00			5	1	5.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250.0	0.0	250.0	0	$250	$250.00	$250.00		
			S	Liquid/wastewater containing PCB oils - T&D	Drum	1.00	450.00			1	1	1.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	450.0	0.0	450.0	0	$450	$450.00	$450.00	$3,903	$3,903
	5c			**Area 200: Leaching Tank Decontamination**																											
	1	LS	ER	IT-38 Materials Handler	HOUR	10.00	57.20			1	1.00	10.0	0	0	0	0.0	0.0	0.0	0.0	572.0	0.0	0.0	0.0	0.0	572.0	0	$572	$571.96	$571.96		
			PI	IT-38 Materials Handler FOG	HOUR	9.00	24.22			1	1.00	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		218.0	$218	$217.97	$217.97		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	1.00	10.0	8.0	2	10.0	150.0	56.3	206.3	0.0	0.0	0.0	0.0	0.0	0.0	206.3	0	$206	$206.25	$206.25		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	38.87			1	1.00	10.0	0	0	0	0.0	0.0	0.0	0.0	388.7	0.0	0.0	0.0	0.0	388.7	0	$389	$388.72	$388.72		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	1.00	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		122.1	$122	$122.06	$122.06		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	1.00	10.0	8.0	2	10.0	150.0	56.3	206.3	0.0	0.0	0.0	0.0	0.0	0.0	206.3	0	$206	$206.25	$206.25		
			ER	Skid Steer W/Attachments	HOUR	10.00	25.70			1	1.00	10.0	0	0	0	0.0	0.0	0.0	0.0	257.0	0.0	0.0	0.0	0.0	257.0	0	$257	$257.01	$257.01		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	1.00	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		119.8	$120	$119.81	$119.81		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	1.00	10.0	8.0	2	10.0	150.0	56.3	206.3	0.0	0.0	0.0	0.0	0.0	0.0	206.3	0	$206	$206.25	$206.25		
			ER	fork-lift	HOUR	10.00	6.60			1	1.00	10.0	0	0	0	0.0	0.0	0.0	0.0	66.0	0.0	0.0	0.0	0.0	66.0	0	$66	$65.96	$65.96		
			PI	fork-lift FOG	HOUR	9.00	0.33			1	1.00	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		2.9	$3	$2.93	$2.93		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	1.00	10.0	8.0	2	10.0	150.0	56.3	206.3	0.0	0.0	0.0	0.0	0.0	0.0	206.3	0	$206	$206.25	$206.25		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	1	1.00	10.0	8.0	2	10.0	216.0	81.0	297.0	0.0	0.0	0.0	0.0	0.0	0.0	297.0	0	$297	$297.00	$297.00	$2,868	$2,868
	5d			**Area 300: CCD Thickner Area Decontamination**																											
	1	LS	ER	IT-38 Materials Handler	HOUR	10.00	57.20			1	5.00	50.0	0	0	0	0.0	0.0	0.0	0.0	2859.8	0.0	0.0	0.0	0.0	2859.8	0	$2,860	$2,859.79	$2,859.79		
			PI	IT-38 Materials Handler FOG	HOUR	9.00	24.22			1	5.00	45.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1089.8	$1,090	$1,089.84	$1,089.84		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	5.00	50.0	40.0	10	50.0	750.0	281.3	1,031.3	0.0	0.0	0.0	0.0	0.0	0.0	1031.3	0	$1,031	$1,031.25	$1,031.25		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	38.87			1	5.00	50.0	0	0	0	0.0	0.0	0.0	0.0	1943.6	0.0	0.0	0.0	0.0	1943.6	0	$1,944	$1,943.59	$1,943.59		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	5.00	45.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		610.3	$610	$610.31	$610.31		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	5.00	50.0	40.0	10	50.0	750.0	281.3	1,031.3	0.0	0.0	0.0	0.0	0.0	0.0	1031.3	0	$1,031	$1,031.25	$1,031.25		

PROJECT: Energy Fuels: Pinion Ridge Mill Closure
LOCATION: Montrose County Colorado
SCOPE: Scenario #2: Mill Decommissioning
PREPARER: CCB

ALPHA RESOURCE CODE
L = HOURLY LABOR; PI = PROJECT INDIRECTS
P = SALARIED LABOR; S = SUBCONTRACTORS
EO = EQUIPMENT; U = TAXES/INS.BONDS
ER = RENTED EQUIPMENT; M = MATERIALS

WBS Code	BID QNTY	ITEM UNIT	COST TYPE	RESOURCE DESCRIPTION	UNIT OF MEAS	HRS PER DAY	COST PER UNIT	LABOR OT $/HR	# OT HRS/ DAY	# OF RES.	# OF DAYS	TOTAL MEASR QTY	ST HR QTY	OT HR QTY	LABOR TOT	$ (000) ST	OT	DIRECT COST SUBTOTALS $ (000) HOURLY LABOR	OWNED EQUIP	RENTED EQUIP	TEMP MATL	SALARY LABOR	SBCNT COSTS	TAX/INS. BONDS	COST (000)	PROJ. INDIRECTS	SUBTOTAL	TOTAL COST	PER UNIT OF MEASURE	TOTAL TASK COST	TOTAL UNIT COST
			ER	Skid Steer W/Attachments	HOUR	10.00	25.70			1	5.00	50.0	0	0	0	0.0	0.0	0.0	0.0	1285.0	0.0	0.0	0.0	0.0	1285.0	0	$1,285	$1,285.03	$1,285.03		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	5.00	45.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		599.1	$599	$599.06	$599.06		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	5.00	50.0	40.0	10	50.0	750.0	281.3	1,031.3	0.0	0.0	0.0	0.0	0.0	0.0	1031.3	0	$1,031	$1,031.25	$1,031.25		
			ER	fork-lift	HOUR	10.00	6.60			1	5.00	50.0	0	0	0	0.0	0.0	0.0	0.0	329.8	0.0	0.0	0.0	0.0	329.8	0	$330	$329.80	$329.80		
			PI	fork-lift FOG	HOUR	9.00	0.33			1	5.00	45.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		14.6	$15	$14.63	$14.63		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	5.00	50.0	40.0	10	50.0	750.0	281.3	1,031.3	0.0	0.0	0.0	0.0	0.0	0.0	1031.3	0	$1,031	$1,031.25	$1,031.25		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	1	5.00	50.0	40.0	10	50.0	1080.0	405.0	1,485.0	0.0	0.0	0.0	0.0	0.0	0.0	1485.0	0	$1,485	$1,485.00	$1,485.00	$14,342	$14,342
	5e			**Area 400 Uranium Solvent Extraction Train: Decontamination**																											
	1	LS	ER	IT-38 Materials Handler	HOUR	10.00	57.20			1	3.00	30.0	0	0	0	0.0	0.0	0.0	0.0	1715.9	0.0	0.0	0.0	0.0	1715.9	0	$1,716	$1,715.87	$1,715.87		
			PI	IT-38 Materials Handler FOG	HOUR	9.00	24.22			1	3.00	27.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		653.9	$654	$653.91	$653.91		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	3.00	30.0	24.0	6	30.0	450.0	168.8	618.8	0.0	0.0	0.0	0.0	0.0	0.0	618.8	0	$619	$618.75	$618.75		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	38.87			1	3.00	30.0	0	0	0	0.0	0.0	0.0	0.0	1166.2	0.0	0.0	0.0	0.0	1166.2	0	$1,166	$1,166.15	$1,166.15		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	3.00	27.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		366.2	$366	$366.19	$366.19		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	3.00	30.0	24.0	6	30.0	450.0	168.8	618.8	0.0	0.0	0.0	0.0	0.0	0.0	618.8	0	$619	$618.75	$618.75		
			ER	Skid Steer W/Attachments	HOUR	10.00	25.70			1	3.00	30.0	0	0	0	0.0	0.0	0.0	0.0	771.0	0.0	0.0	0.0	0.0	771.0	0	$771	$771.02	$771.02		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	3.00	27.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		359.4	$359	$359.44	$359.44		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	3.00	30.0	24.0	6	30.0	450.0	168.8	618.8	0.0	0.0	0.0	0.0	0.0	0.0	618.8	0	$619	$618.75	$618.75		
			ER	fork-lift	HOUR	10.00	6.60			1	3.00	30.0	0	0	0	0.0	0.0	0.0	0.0	197.9	0.0	0.0	0.0	0.0	197.9	0	$198	$197.88	$197.88		
			PI	fork-lift FOG	HOUR	9.00	0.33			1	3.00	27.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		8.8	$9	$8.78	$8.78		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	3.00	30.0	24.0	6	30.0	450.0	168.8	618.8	0.0	0.0	0.0	0.0	0.0	0.0	618.8	0	$619	$618.75	$618.75		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	1	3.00	30.0	24.0	6	30.0	648.0	243.0	891.0	0.0	0.0	0.0	0.0	0.0	0.0	891.0	0	$891	$891.00	$891.00	$8,605	$8,605
	5f			**Area 500 Uranium Precipitation Decontamination**																											
	1	LS	ER	IT-38 Materials Handler	HOUR	10.00	57.20			1	4.00	40.0	0	0	0	0.0	0.0	0.0	0.0	2287.8	0.0	0.0	0.0	0.0	2287.8	0	$2,288	$2,287.83	$2,287.83		
			PI	IT-38 Materials Handler FOG	HOUR	9.00	24.22			1	4.00	36.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		871.9	$872	$871.88	$871.88		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	4.00	40.0	32.0	8	40.0	600.0	225.0	825.0	0.0	0.0	0.0	0.0	0.0	0.0	825.0	0	$825	$825.00	$825.00		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	38.87			1	4.00	40.0	0	0	0	0.0	0.0	0.0	0.0	1554.9	0.0	0.0	0.0	0.0	1554.9	0	$1,555	$1,554.87	$1,554.87		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	4.00	36.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		488.3	$488	$488.25	$488.25		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	4.00	40.0	32.0	8	40.0	600.0	225.0	825.0	0.0	0.0	0.0	0.0	0.0	0.0	825.0	0	$825	$825.00	$825.00		
			ER	Skid Steer W/Attachments	HOUR	10.00	25.70			1	4.00	40.0	0	0	0	0.0	0.0	0.0	0.0	1028.0	0.0	0.0	0.0	0.0	1028.0	0	$1,028	$1,028.03	$1,028.03		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	4.00	36.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		479.3	$479	$479.25	$479.25		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	4.00	40.0	32.0	8	40.0	600.0	225.0	825.0	0.0	0.0	0.0	0.0	0.0	0.0	825.0	0	$825	$825.00	$825.00		
			ER	fork-lift	HOUR	10.00	6.60			1	4.00	40.0	0	0	0	0.0	0.0	0.0	0.0	263.8	0.0	0.0	0.0	0.0	263.8	0	$264	$263.84	$263.84		
			PI	fork-lift FOG	HOUR	9.00	0.33			1	4.00	36.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		11.7	$12	$11.70	$11.70		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	4.00	40.0	32.0	8	40.0	600.0	225.0	825.0	0.0	0.0	0.0	0.0	0.0	0.0	825.0	0	$825	$825.00	$825.00		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	2	4.00	80.0	64.0	16	80.0	1728.0	648.0	2,376.0	0.0	0.0	0.0	0.0	0.0	0.0	2376.0	0	$2,376	$2,376.00	$2,376.00	$12,662	$12,662
	5g			**Area 600: Vanadium Solvent Extraction / Oxidation Decontamination**																											
	1	LS	ER	IT-38 Materials Handler	HOUR	10.00	57.20			1	2.00	20.0	0	0	0	0.0	0.0	0.0	0.0	1143.9	0.0	0.0	0.0	0.0	1143.9	0	$1,144	$1,143.91	$1,143.91		
			PI	IT-38 Materials Handler FOG	HOUR	9.00	24.22			1	2.00	18.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		435.9	$436	$435.94	$435.94		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	2.00	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	38.87			1	2.00	20.0	0	0	0	0.0	0.0	0.0	0.0	777.4	0.0	0.0	0.0	0.0	777.4	0	$777	$777.43	$777.43		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	2.00	18.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		244.1	$244	$244.13	$244.13		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	2.00	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
			ER	Skid Steer W/Attachments	HOUR	10.00	25.70			1	2.00	20.0	0	0	0	0.0	0.0	0.0	0.0	514.0	0.0	0.0	0.0	0.0	514.0	0	$514	$514.01	$514.01		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	2.00	18.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		239.6	$240	$239.63	$239.63		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	2.00	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
			ER	fork-lift	HOUR	10.00	6.60			1	2.00	20.0	0	0	0	0.0	0.0	0.0	0.0	131.9	0.0	0.0	0.0	0.0	131.9	0	$132	$131.92	$131.92		
			PI	fork-lift FOG	HOUR	9.00	0.33			1	2.00	18.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5.9	$6	$5.85	$5.85		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	2.00	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	2	2.00	40.0	32.0	8	40.0	864.0	324.0	1,188.0	0.0	0.0	0.0	0.0	0.0	0.0	1188.0	0	$1,188	$1,188.00	$1,188.00	$6,331	$6,331
	5h			**Area 700 Vanadium Precipitation Facility Decontamination**																											
	1	LS	ER	IT-38 Materials Handler	HOUR	10.00	57.20			1	2.00	20.0	0	0	0	0.0	0.0	0.0	0.0	1143.9	0.0	0.0	0.0	0.0	1143.9	0	$1,144	$1,143.91	$1,143.91		
			PI	IT-38 Materials Handler FOG	HOUR	9.00	24.22			1	2.00	18.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		435.9	$436	$435.94	$435.94		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	2.00	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	38.87			1	2.00	20.0	0	0	0	0.0	0.0	0.0	0.0	777.4	0.0	0.0	0.0	0.0	777.4	0	$777	$777.43	$777.43		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	2.00	18.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		244.1	$244	$244.13	$244.13		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	2.00	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
			ER	Skid Steer W/Attachments	HOUR	10.00	25.70			1	2.00	20.0	0	0	0	0.0	0.0	0.0	0.0	514.0	0.0	0.0	0.0	0.0	514.0	0	$514	$514.01	$514.01		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	2.00	18.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		239.6	$240	$239.63	$239.63		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	2.00	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
			ER	fork-lift	HOUR	10.00	6.60			1	2.00	20.0	0	0	0	0.0	0.0	0.0	0.0	131.9	0.0	0.0	0.0	0.0	131.9	0	$132	$131.92	$131.92		
			PI	fork-lift FOG	HOUR	9.00	0.33			1	2.00	18.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5.9	$6	$5.85	$5.85		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	2.00	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	2	2.00	40.0	32.0	8	40.0	864.0	324.0	1,188.0	0.0	0.0	0.0	0.0	0.0	0.0	1188.0	0	$1,188	$1,188.00	$1,188.00	$6,331	$6,331
	5i			**Area 800: Reagents Unloading Bldg. & Warehouse Decontamination**																											
	1	LS	ER	IT-38 Materials Handler	HOUR	10.00	57.20			1	1.00	10.0	0	0	0	0.0	0.0	0.0	0.0	572.0	0.0	0.0	0.0	0.0	572.0	0	$572	$571.96	$571.96		
			PI	IT-38 Materials Handler FOG	HOUR	9.00	24.22			1	1.00	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		218.0	$218	$217.97	$217.97		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	1.00	10.0	8.0	2	10.0	150.0	56.3	206.3	0.0	0.0	0.0	0.0	0.0	0.0	206.3	0	$206	$206.25	$206.25		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	38.87			1	1.00	10.0	0	0	0	0.0	0.0	0.0	0.0	388.7	0.0	0.0	0.0	0.0	388.7	0	$389	$388.72	$388.72		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	1.00	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		122.1	$122	$122.06	$122.06		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	1.00	10.0	8.0	2	10.0	150.0	56.3	206.3	0.0	0.0	0.0	0.0	0.0	0.0	206.3	0	$206	$206.25	$206.25		
			ER	Skid Steer W/Attachments	HOUR	10.00	25.70			1	1.00	10.0	0	0	0	0.0	0.0	0.0	0.0	257.0	0.0	0.0	0.0	0.0	257.0	0	$257	$257.01	$257.01		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	1.00	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		119.8	$120	$119.81	$119.81		

PROJECT: Energy Fuels: Pinion Ridge Mill Closure
LOCATION: Montrose County Colorado
SCOPE: Scenario #2: Mill Decommissioning
PREPARER: CCB

ALPHA RESOURCE CODE
L = HOURLY LABOR; PI = PROJECT INDIRECTS
P = SALARIED LABOR; S = SUBCONTRACTORS
EO = EQUIPMENT; U = TAXES/INS.BONDS
ER = RENTED EQUIPMENT; M = MATERIALS

WBS Code	BID QNTY	ITEM UNIT	COST TYPE	RESOURCE DESCRIPTION	UNIT OF MEAS	HRS PER DAY	COST PER UNIT	LABOR OT $/HR	# OT HRS/ DAY	# OF RES.	# OF DAYS	TOTAL MEASR QTY	ST HR QTY	OT HR QTY	LABOR TOT	$ (000) ST	OT	DIRECT COST SUBTOTALS $ (000) HOURLY LABOR	OWNED EQUIP	RENTED EQUIP	TEMP MATL	SALARY LABOR	SBCNT COSTS	TAX/INS. BONDS	COST (000)	PROJ. INDIRECTS	SUBTOTAL	TOTAL COST	PER UNIT OF MEASURE	TOTAL TASK COST	TOTAL UNIT COST
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	1.00	10.0	8.0	2	10.0	150.0	56.3	206.3	0.0	0.0	0.0	0.0	0.0	0.0	206.3	0	$206	$206.25	$206.25		
			ER	fork-lift	HOUR	10.00	6.60			1	1.00	10.0	0	0	0	0.0	0.0	0.0	0.0	66.0	0.0	0.0	0.0	0.0	66.0	0	$66	$65.96	$65.96		
			PI	fork-lift FOG	HOUR	9.00	0.33			1	1.00	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		2.9	$3	$2.93	$2.93		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	1.00	10.0	8.0	2	10.0	150.0	56.3	206.3	0.0	0.0	0.0	0.0	0.0	0.0	206.3	0	$206	$206.25	$206.25		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	2	1.00	20.0	16.0	4	20.0	432.0	162.0	594.0	0.0	0.0	0.0	0.0	0.0	0.0	594.0	0	$594	$594.00	$594.00	$3,165	$3,165
	5j		**General Facility Universal Waste Removal & Disposal**																												
		1 LS	**Area 100**																												
			S	Universal Waste Transport & Disposal	400-SF	1.00	1.80			9.25	1	9.3	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	16.7	0	$17	$16.65	$16.65		
			ER	Scissor Lift	HOUR	10.00	5.98			1	1	10.0	0	0	0	0.0	0.0	0.0	0.0	59.8	0.0	0.0	0.0	0.0	59.8	0	$60	$59.76	$59.76		
			PI	Scissor Lift FOG	HOUR	9.00	7.30			1	1	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		65.7	$66	$65.67	$65.67		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	1	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
				Area 200																											
			S	Universal Waste Transport & Disposal	400-SF	1.00	1.80			44	1	44.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	0.0	79.2	0	$79	$79.20	$79.20		
			ER	Scissor Lift	HOUR	10.00	5.98			1	1	10.0	0	0	0	0.0	0.0	0.0	0.0	59.8	0.0	0.0	0.0	0.0	59.8	0	$60	$59.76	$59.76		
			PI	Scissor Lift FOG	HOUR	9.00	7.30			1	1	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		65.7	$66	$65.67	$65.67		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	1	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
				Area 400																											
			S	Universal Waste Transport & Disposal	400-SF	1.00	1.80			66	1	66.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	118.8	0.0	118.8	0	$119	$118.80	$118.80		
			ER	Scissor Lift	HOUR	10.00	5.98			1	1	10.0	0	0	0	0.0	0.0	0.0	0.0	59.8	0.0	0.0	0.0	0.0	59.8	0	$60	$59.76	$59.76		
			PI	Scissor Lift FOG	HOUR	9.00	7.30			1	1	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		65.7	$66	$65.67	$65.67		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	1	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
				Area 500																											
			S	Universal Waste Transport & Disposal	400-SF	1.00	1.80			33	1	33.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	59.4	0.0	59.4	0	$59	$59.40	$59.40		
			ER	Scissor Lift	HOUR	10.00	5.98			1	1	10.0	0	0	0	0.0	0.0	0.0	0.0	59.8	0.0	0.0	0.0	0.0	59.8	0	$60	$59.76	$59.76		
			PI	Scissor Lift FOG	HOUR	9.00	7.30			1	1	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		65.7	$66	$65.67	$65.67		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	1	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
				Area 600																											
			S	Universal Waste Transport & Disposal	400-SF	1.00	1.80			63	1	63.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	113.4	0.0	113.4	0	$113	$113.40	$113.40		
			ER	Scissor Lift	HOUR	10.00	5.98			1	1	10.0	0	0	0	0.0	0.0	0.0	0.0	59.8	0.0	0.0	0.0	0.0	59.8	0	$60	$59.76	$59.76		
			PI	Scissor Lift FOG	HOUR	9.00	7.30			1	1	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		65.7	$66	$65.67	$65.67		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	1	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
				Area 800																											
			S	Universal Waste Transport & Disposal	400-SF	1.00	1.80			25	1	25.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	45.0	0.0	45.0	0	$45	$45.00	$45.00		
			ER	Scissor Lift	HOUR	10.00	5.98			1	1	10.0	0	0	0	0.0	0.0	0.0	0.0	59.8	0.0	0.0	0.0	0.0	59.8	0	$60	$59.76	$59.76		
			PI	Scissor Lift FOG	HOUR	9.00	7.30			1	1	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		65.7	$66	$65.67	$65.67		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	1	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50		
				Area 900 Change House & Laboratory																											
			S	Universal Waste Transport & Disposal	100-SF	1.00	1.80			219	1	219.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	394.2	0.0	394.2	0	$394	$394.20	$394.20		
			ER	Scissor Lift	HOUR	10.00	5.98			1	1	10.0	0	0	0	0.0	0.0	0.0	0.0	59.8	0.0	0.0	0.0	0.0	59.8	0	$60	$59.76	$59.76		
			PI	Scissor Lift FOG	HOUR	9.00	7.30			1	1	9.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		65.7	$66	$65.67	$65.67		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	1	20.0	16.0	4	20.0	300.0	112.5	412.5	0.0	0.0	0.0	0.0	0.0	0.0	412.5	0	$413	$412.50	$412.50	$4,592	$4,592
6		1 LS	**Dewater Tailings Cell A**																												
			L	Site Maintenance & Security Officer	HOUR	10.00	15.00	22.50	2.00	964.5	1	9645.0	7716.0	1929	9645.0	115740.0	43,402.5	159,139.9	0.0	0.0	0.0	0.0	0.0	0.0	159139.9	0	$159,139.95	$159,139.95	$159,139.95		
			M	Miscellaneous Maintenance Materials	LS	1.00	4210.05			1	1	1.0	0	0	0	0.0	0.0	0.0	0.0	0.0	4,210.1	0.0	0.0	0.0	4210.1	0	$4,210.05	$4,210.05	$4,210.05	$163,350	$163,350
7		1 LS	**Re-grade Tailings Material in Tailings Cell A**																												
			ER	D6 Dozer - LGP	HOUR	10.00	65.88			3	5	150.0	0	0	0	0.0	0.0	0.0	0.0	9882.0	0.0	0.0	0.0	0.0	9882.0	0	$9,882	$9,882.00	$9,882.00		
			PI	D6 Dozer - LGP FOG	HOUR	11.00	33.18			3	5	165.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5473.9	$5,474	$5,473.88	$5,473.88		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	3	5	150.0	120.0	30	150.0	2250.0	843.8	3,093.8	0.0	0.0	0.0	0.0	0.0	0.0	3093.8	0	$3,094	$3,093.75	$3,093.75	$18,450	$18,450
8	II		**Decommission and Place Mill Facility in Tailings Cell A**							2.6																					
8a		100,000 CY	**Decommission Mill Facility**																												
	8a1		**Area 100 Demolition**																												
		1 LS	ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			2	8	160.0	0	0	0	0.0	0.0	0.0	0.0	20500.8	0.0	0.0	0.0	0.0	20500.8	0	$20,501	$20,500.80	$20,500.80		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			2	8	144.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		10006.6	$10,007	$10,006.56	$10,006.56		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	8	160.0	128.0	32	160.0	2400.0	900.0	3,300.0	0.0	0.0	0.0	0.0	0.0	0.0	3300.0	0	$3,300	$3,300.00	$3,300.00		
			ER	365 Excavator W/10K hammer	HOUR	10.00	128.13			1	8	80.0	0	0	0	0.0	0.0	0.0	0.0	10250.4	0.0	0.0	0.0	0.0	10250.4	0	$10,250	$10,250.40	$10,250.40		
			PI	365 Excavator W/10K hammer FOG	HOUR	9.00	69.49			1	8	72.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5003.3	$5,003	$5,003.28	$5,003.28		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	8	80.0	0	0	0	0.0	0.0	0.0	0.0	2900.0	0.0	0.0	0.0	0.0	2900.0	0	$2,900	$2,900.00	$2,900.00		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	8	72.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		976.5	$977	$976.50	$976.50		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		
			ER	Skid Steer W/Attachments	HOUR	10.00	23.75			1	8	80.0	0	0	0	0.0	0.0	0.0	0.0	1900.0	0.0	0.0	0.0	0.0	1900.0	0	$1,900	$1,900.00	$1,900.00		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	8	72.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		958.5	$959	$958.50	$958.50		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		
			EO	Service Truck	HOUR	10.00	20.00			2	8	160.0	0	0	0	0.0	0.0	0.0	0.0	3200.0	0.0	0.0	0.0	0.0	3200.0	0	$3,200	$3,200.00	$3,200.00		
			PI	Service Truck FOG	HOUR	9.00	5.00			2	8	144.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		720.0	$720	$720.00	$720.00		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		

PROJECT: Energy Fuels: Pinion Ridge Mill Closure
LOCATION: Montrose County Colorado
SCOPE: Scenario #2: Mill Decommissioning
PREPARER: CCB

ALPHA RESOURCE CODE
L = HOURLY LABOR; PI = PROJECT INDIRECTS
P = SALARIED LABOR; S = SUBCONTRACTORS
EO = EQUIPMENT; U = TAXES/INS.BONDS
ER = RENTED EQUIPMENT; M = MATERIALS

WBS Code	BID QNTY	ITEM UNIT	COST TYPE	RESOURCE DESCRIPTION	UNIT OF MEAS	HRS PER DAY	COST PER UNIT	LABOR OT $/HR	# OT HRS/ DAY	# OF RES.	# OF DAYS	TOTAL MEASR QTY	ST HR QTY	OT HR QTY	LABOR TOT	$ (000) ST	OT	DIRECT COST SUBTOTALS $ (000) HOURLY LABOR	OWNED EQUIP	RENTED EQUIP	TEMP MATL	SALARY LABOR	SBCNT COSTS	TAX/INS. BONDS	COST (000)	PROJ. INDIRECTS	SUBTOTAL	TOTAL COST	PER UNIT OF MEASURE	TOTAL TASK COST	TOTAL UNIT COST
			L	Technician	HOUR	10.00	27.00	40.50	2.00	2	8	160.0	128	32	160	4320.0	352.0	4,672.0	0.0	0.0	0.0	0.0	0.0	0.0	4672.0	0	$4,672	$4,672.00	$4,672.00	$70,988	$70,988
8a2			**Area 200 Demolition**																												
	1	LS	ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			2	8	160.0	0	0	0	0.0	0.0	0.0	0.0	20500.8	0.0	0.0	0.0	0.0	20500.8	0	$20,501	$20,500.80	$20,500.80		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			2	8	144.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		10006.6	$10,007	$10,006.56	$10,006.56		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	8	160.0	128.0	32	160.0	2400.0	900.0	3,300.0	0.0	0.0	0.0	0.0	0.0	0.0	3300.0	0	$3,300	$3,300.00	$3,300.00		
			ER	365 Excavator - w/ Demo Shear	HOUR	10.00	128.13			1	8	80.0	0	0	0	0.0	0.0	0.0	0.0	10250.4	0.0	0.0	0.0	0.0	10250.4	0	$10,250	$10,250.40	$10,250.40		
			PI	365 Excavator - w/ Demo Shear FOG	HOUR	9.00	69.49			1	8	72.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5003.3	$5,003	$5,003.28	$5,003.28		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		
			ER	365 Excavator W/10K hammer	HOUR	10.00	128.13			1	8	80.0	0	0	0	0.0	0.0	0.0	0.0	10250.4	0.0	0.0	0.0	0.0	10250.4	0	$10,250	$10,250.40	$10,250.40		
			PI	365 Excavator W/10K hammer FOG	HOUR	9.00	69.49			1	8	72.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5003.3	$5,003	$5,003.28	$5,003.28		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	8	80.0	0	0	0	0.0	0.0	0.0	0.0	2900.0	0.0	0.0	0.0	0.0	2900.0	0	$2,900	$2,900.00	$2,900.00		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	8	72.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		976.5	$977	$976.50	$976.50		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		
			ER	Skid Steer W/Attachments	HOUR	10.00	23.75			1	8	80.0	0	0	0	0.0	0.0	0.0	0.0	1900.0	0.0	0.0	0.0	0.0	1900.0	0	$1,900	$1,900.00	$1,900.00		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	8	72.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		958.5	$959	$958.50	$958.50		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		
			EO	Service Truck	HOUR	10.00	20.00			2	8	160.0	0	0	0	0.0	0.0	0.0	0.0	3200.0	0.0	0.0	0.0	0.0	3200.0	0	$3,200	$3,200.00	$3,200.00		
			PI	Service Truck FOG	HOUR	9.00	5.00			2	8	144.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		720.0	$720	$720.00	$720.00		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	3	8	240.0	192	48	240	6480.0	528.0	7,008.0	0.0	0.0	0.0	0.0	0.0	0.0	7008.0	0	$7,008	$7,008.00	$7,008.00	$90,228	$90,228
8a3			**Area 300 Demolition**																												
	1	LS	ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			2	6	120.0	0	0	0	0.0	0.0	0.0	0.0	15375.6	0.0	0.0	0.0	0.0	15375.6	0	$15,376	$15,375.60	$15,375.60		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			2	6	108.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		7504.9	$7,505	$7,504.92	$7,504.92		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	6	120.0	96.0	24	120.0	1800.0	675.0	2,475.0	0.0	0.0	0.0	0.0	0.0	0.0	2475.0	0	$2,475	$2,475.00	$2,475.00		
			ER	365 Excavator - w/ Demo Shear	HOUR	10.00	128.13			1	6	60.0	0	0	0	0.0	0.0	0.0	0.0	7687.8	0.0	0.0	0.0	0.0	7687.8	0	$7,688	$7,687.80	$7,687.80		
			PI	365 Excavator - w/ Demo Shear FOG	HOUR	9.00	69.49			1	6	54.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		3752.5	$3,752	$3,752.46	$3,752.46		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	6	60.0	48.0	12	60.0	900.0	337.5	1,237.5	0.0	0.0	0.0	0.0	0.0	0.0	1237.5	0	$1,238	$1,237.50	$1,237.50		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	6	60.0	0	0	0	0.0	0.0	0.0	0.0	2175.0	0.0	0.0	0.0	0.0	2175.0	0	$2,175	$2,175.00	$2,175.00		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	6	54.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		732.4	$732	$732.38	$732.38		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	6	60.0	48.0	12	60.0	900.0	337.5	1,237.5	0.0	0.0	0.0	0.0	0.0	0.0	1237.5	0	$1,238	$1,237.50	$1,237.50		
			ER	Skid Steer W/Attachments	HOUR	10.00	23.75			1	6	60.0	0	0	0	0.0	0.0	0.0	0.0	1425.0	0.0	0.0	0.0	0.0	1425.0	0	$1,425	$1,425.00	$1,425.00		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	6	54.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		718.9	$719	$718.88	$718.88		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	6	60.0	48.0	12	60.0	900.0	337.5	1,237.5	0.0	0.0	0.0	0.0	0.0	0.0	1237.5	0	$1,238	$1,237.50	$1,237.50		
			EO	Service Truck	HOUR	10.00	20.00			2	6	120.0	0	0	0	0.0	0.0	0.0	0.0	2400.0	0.0	0.0	0.0	0.0	2400.0	0	$2,400	$2,400.00	$2,400.00		
			PI	Service Truck FOG	HOUR	9.00	5.00			2	6	108.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		540.0	$540	$540.00	$540.00		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	6	60.0	48.0	12	60.0	900.0	337.5	1,237.5	0.0	0.0	0.0	0.0	0.0	0.0	1237.5	0	$1,238	$1,237.50	$1,237.50		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	2	6	120.0	96	24	120	3240.0	264.0	3,504.0	0.0	0.0	0.0	0.0	0.0	0.0	3504.0	0	$3,504	$3,504.00	$3,504.00	$53,241	$53,241
8a4			**Area 400 Demolition**																												
	1	LS	ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			2	10	200.0	0	0	0	0.0	0.0	0.0	0.0	25626.0	0.0	0.0	0.0	0.0	25626.0	0	$25,626	$25,626.00	$25,626.00		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			2	10	180.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		12508.2	$12,508	$12,508.20	$12,508.20		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	10	200.0	160.0	40	200.0	3000.0	1,125.0	4,125.0	0.0	0.0	0.0	0.0	0.0	0.0	4125.0	0	$4,125	$4,125.00	$4,125.00		
			ER	365 Excavator - w/ Demo Shear	HOUR	10.00	128.13			1	10	100.0	0	0	0	0.0	0.0	0.0	0.0	12813.0	0.0	0.0	0.0	0.0	12813.0	0	$12,813	$12,813.00	$12,813.00		
			PI	365 Excavator - w/ Demo Shear FOG	HOUR	9.00	69.49			1	10	90.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		6254.1	$6,254	$6,254.10	$6,254.10		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	100.0	80.0	20	100.0	1500.0	562.5	2,062.5	0.0	0.0	0.0	0.0	0.0	0.0	2062.5	0	$2,063	$2,062.50	$2,062.50		
			ER	365 Excavator W/10K hammer	HOUR	10.00	128.13			1	10	100.0	0	0	0	0.0	0.0	0.0	0.0	12813.0	0.0	0.0	0.0	0.0	12813.0	0	$12,813	$12,813.00	$12,813.00		
			PI	365 Excavator W/10K hammer FOG	HOUR	9.00	69.49			1	10	90.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		6254.1	$6,254	$6,254.10	$6,254.10		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	100.0	80.0	20	100.0	1500.0	562.5	2,062.5	0.0	0.0	0.0	0.0	0.0	0.0	2062.5	0	$2,063	$2,062.50	$2,062.50		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	10	100.0	0	0	0	0.0	0.0	0.0	0.0	3625.0	0.0	0.0	0.0	0.0	3625.0	0	$3,625	$3,625.00	$3,625.00		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	10	90.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1220.6	$1,221	$1,220.63	$1,220.63		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	100.0	80.0	20	100.0	1500.0	562.5	2,062.5	0.0	0.0	0.0	0.0	0.0	0.0	2062.5	0	$2,063	$2,062.50	$2,062.50		
			ER	Skid Steer W/Attachments	HOUR	10.00	23.75			1	10	100.0	0	0	0	0.0	0.0	0.0	0.0	2375.0	0.0	0.0	0.0	0.0	2375.0	0	$2,375	$2,375.00	$2,375.00		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	10	90.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1198.1	$1,198	$1,198.13	$1,198.13		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	100.0	80.0	20	100.0	1500.0	562.5	2,062.5	0.0	0.0	0.0	0.0	0.0	0.0	2062.5	0	$2,063	$2,062.50	$2,062.50		
			EO	Service Truck	HOUR	10.00	20.00			2	10	200.0	0	0	0	0.0	0.0	0.0	0.0	4000.0	0.0	0.0	0.0	0.0	4000.0	0	$4,000	$4,000.00	$4,000.00		
			PI	Service Truck FOG	HOUR	9.00	5.00			2	10	180.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		900.0	$900	$900.00	$900.00		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	100.0	80.0	20	100.0	1500.0	562.5	2,062.5	0.0	0.0	0.0	0.0	0.0	0.0	2062.5	0	$2,063	$2,062.50	$2,062.50		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	3	10	300.0	240	60	300	8100.0	660.0	8,760.0	0.0	0.0	0.0	0.0	0.0	0.0	8760.0	0	$8,760	$8,760.00	$8,760.00	$112,785	$112,785
8a5			**Area 500 Demolition**																												
	1	LS	ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			2	8	160.0	0	0	0	0.0	0.0	0.0	0.0	20500.8	0.0	0.0	0.0	0.0	20500.8	0	$20,501	$20,500.80	$20,500.80		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			2	8	144.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		10006.6	$10,007	$10,006.56	$10,006.56		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	8	160.0	128.0	32	160.0	2400.0	900.0	3,300.0	0.0	0.0	0.0	0.0	0.0	0.0	3300.0	0	$3,300	$3,300.00	$3,300.00		
			ER	365 Excavator - w/ Demo Shear	HOUR	10.00	128.13			1	8	80.0	0	0	0	0.0	0.0	0.0	0.0	10250.4	0.0	0.0	0.0	0.0	10250.4	0	$10,250	$10,250.40	$10,250.40		
			PI	365 Excavator - w/ Demo Shear FOG	HOUR	9.00	69.49			1	8	72.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5003.3	$5,003	$5,003.28	$5,003.28		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		
			ER	365 Excavator W/10K hammer	HOUR	10.00	128.13			1	8	80.0	0	0	0	0.0	0.0	0.0	0.0	10250.4	0.0	0.0	0.0	0.0	10250.4	0	$10,250	$10,250.40	$10,250.40		
			PI	365 Excavator W/10K hammer FOG	HOUR	9.00	69.49			1	8	72.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5003.3	$5,003	$5,003.28	$5,003.28		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		

PROJECT: **Energy Fuels: Pinion Ridge Mill Closure**
LOCATION: **Montrose County Colorado**
SCOPE: **Scenario #2: Mill Decommissioning**

PREPARER: CCB

ALPHA RESOURCE CODE
L = HOURLY LABOR PI = PROJECT INDIRECTS
P = SALARIED LABOR S = SUBCONTRACTORS
EO = EQUIPMENT U = TAXES/INS.BONDS
ER = RENTED EQUIPMENT M = MATERIALS

WBS Code	BID QNTY	ITEM UNIT	COST TYPE	RESOURCE DESCRIPTION	UNIT OF MEAS	HRS PER DAY	COST PER UNIT	LABOR OT $/HR	# OT HRS/ DAY	# OF RES.	# OF DAYS	TOTAL MEASR QTY	ST HR QTY	OT HR QTY	LABOR TOT	$ (000) ST	OT	DIRECT COST SUBTOTALS $ (000) HOURLY LABOR	OWNED EQUIP	RENTED EQUIP	TEMP MATL	SALARY LABOR	SBCNT COSTS	TAX/INS. BONDS	COST (000)	PROJ. INDIRECTS	SUBTOTAL	TOTAL COST	PER UNIT OF MEASURE	TOTAL TASK COST	TOTAL UNIT COST
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	8	80.0	0	0	0	0.0	0.0	0.0	0.0	2900.0	0.0	0.0	0.0	0.0	2900.0	0	$2,900	$2,900.00	$2,900.00		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	8	72.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		976.5	$977	$976.50	$976.50		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		
			ER	Skid Steer W/Attachments	HOUR	10.00	23.75			1	8	80.0	0	0	0	0.0	0.0	0.0	0.0	1900.0	0.0	0.0	0.0	0.0	1900.0	0	$1,900	$1,900.00	$1,900.00		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	8	72.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		958.5	$959	$958.50	$958.50		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		
			EO	Service Truck	HOUR	10.00	20.00			2	8	160.0	0	0	0	0.0	0.0	0.0	0.0	3200.0	0.0	0.0	0.0	0.0	3200.0	0	$3,200	$3,200.00	$3,200.00		
			PI	Service Truck FOG	HOUR	9.00	5.00			2	8	144.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		720.0	$720	$720.00	$720.00		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	8	80.0	64.0	16	80.0	1200.0	450.0	1,650.0	0.0	0.0	0.0	0.0	0.0	0.0	1650.0	0	$1,650	$1,650.00	$1,650.00		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	3	8	240.0	192	48	240	6480.0	528.0	7,008.0	0.0	0.0	0.0	0.0	0.0	0.0	7008.0	0	$7,008	$7,008.00	$7,008.00	$90,228	$90,228
	8a6		**Area 600 Demolition**																												
		1 LS	ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			2	9	180.0	0	0	0	0.0	0.0	0.0	0.0	23063.4	0.0	0.0	0.0	0.0	23063.4	0	$23,063	$23,063.40	$23,063.40		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			2	9	162.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		11257.4	$11,257	$11,257.38	$11,257.38		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	9	180.0	144.0	36	180.0	2700.0	1,012.5	3,712.5	0.0	0.0	0.0	0.0	0.0	0.0	3712.5	0	$3,713	$3,712.50	$3,712.50		
			ER	365 Excavator - w/ Demo Shear	HOUR	10.00	128.13			1	9	90.0	0	0	0	0.0	0.0	0.0	0.0	11531.7	0.0	0.0	0.0	0.0	11531.7	0	$11,532	$11,531.70	$11,531.70		
			PI	365 Excavator - w/ Demo Shear FOG	HOUR	9.00	69.49			1	9	81.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5628.7	$5,629	$5,628.69	$5,628.69		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	9	90.0	72.0	18	90.0	1350.0	506.3	1,856.3	0.0	0.0	0.0	0.0	0.0	0.0	1856.3	0	$1,856	$1,856.25	$1,856.25		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	9	90.0	0	0	0	0.0	0.0	0.0	0.0	3262.5	0.0	0.0	0.0	0.0	3262.5	0	$3,263	$3,262.50	$3,262.50		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	9	81.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1098.6	$1,099	$1,098.56	$1,098.56		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	9	90.0	72.0	18	90.0	1350.0	506.3	1,856.3	0.0	0.0	0.0	0.0	0.0	0.0	1856.3	0	$1,856	$1,856.25	$1,856.25		
			ER	Skid Steer W/Attachments	HOUR	10.00	23.75			1	9	90.0	0	0	0	0.0	0.0	0.0	0.0	2137.5	0.0	0.0	0.0	0.0	2137.5	0	$2,138	$2,137.50	$2,137.50		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	9	81.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1078.3	$1,078	$1,078.31	$1,078.31		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	9	90.0	72.0	18	90.0	1350.0	506.3	1,856.3	0.0	0.0	0.0	0.0	0.0	0.0	1856.3	0	$1,856	$1,856.25	$1,856.25		
			EO	Service Truck	HOUR	10.00	20.00			2	9	180.0	0	0	0	0.0	0.0	0.0	0.0	3600.0	0.0	0.0	0.0	0.0	3600.0	0	$3,600	$3,600.00	$3,600.00		
			PI	Service Truck FOG	HOUR	9.00	5.00			2	9	162.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		810.0	$810	$810.00	$810.00		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	9	90.0	72.0	18	90.0	1350.0	506.3	1,856.3	0.0	0.0	0.0	0.0	0.0	0.0	1856.3	0	$1,856	$1,856.25	$1,856.25		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	2	9	180.0	144	36	180	4860.0	396.0	5,256.0	0.0	0.0	0.0	0.0	0.0	0.0	5256.0	0	$5,256	$5,256.00	$5,256.00	$79,862	$79,862
	8a7		**Area 700 Demolition**																												
		1 LS	ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			2	6	120.0	0	0	0	0.0	0.0	0.0	0.0	15375.6	0.0	0.0	0.0	0.0	15375.6	0	$15,376	$15,375.60	$15,375.60		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			2	6	108.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		7504.9	$7,505	$7,504.92	$7,504.92		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	6	120.0	96.0	24	120.0	1800.0	675.0	2,475.0	0.0	0.0	0.0	0.0	0.0	0.0	2475.0	0	$2,475	$2,475.00	$2,475.00		
			ER	365 Excavator - w/ Demo Shear	HOUR	10.00	128.13			1	6	60.0	0	0	0	0.0	0.0	0.0	0.0	7687.8	0.0	0.0	0.0	0.0	7687.8	0	$7,688	$7,687.80	$7,687.80		
			PI	365 Excavator - w/ Demo Shear FOG	HOUR	9.00	69.49			1	6	54.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		3752.5	$3,752	$3,752.46	$3,752.46		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	6	60.0	48.0	12	60.0	900.0	337.5	1,237.5	0.0	0.0	0.0	0.0	0.0	0.0	1237.5	0	$1,238	$1,237.50	$1,237.50		
			ER	365 Excavator W/10K hammer	HOUR	10.00	128.13			1	6	60.0	0	0	0	0.0	0.0	0.0	0.0	7687.8	0.0	0.0	0.0	0.0	7687.8	0	$7,688	$7,687.80	$7,687.80		
			PI	365 Excavator W/10K hammer FOG	HOUR	9.00	69.49			1	6	54.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		3752.5	$3,752	$3,752.46	$3,752.46		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	6	60.0	48.0	12	60.0	900.0	337.5	1,237.5	0.0	0.0	0.0	0.0	0.0	0.0	1237.5	0	$1,238	$1,237.50	$1,237.50		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	6	60.0	0	0	0	0.0	0.0	0.0	0.0	2175.0	0.0	0.0	0.0	0.0	2175.0	0	$2,175	$2,175.00	$2,175.00		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	6	54.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		732.4	$732	$732.38	$732.38		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	6	60.0	48.0	12	60.0	900.0	337.5	1,237.5	0.0	0.0	0.0	0.0	0.0	0.0	1237.5	0	$1,238	$1,237.50	$1,237.50		
			ER	Skid Steer W/Attachments	HOUR	10.00	23.75			1	6	60.0	0	0	0	0.0	0.0	0.0	0.0	1425.0	0.0	0.0	0.0	0.0	1425.0	0	$1,425	$1,425.00	$1,425.00		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	6	54.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		718.9	$719	$718.88	$718.88		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	6	60.0	48.0	12	60.0	900.0	337.5	1,237.5	0.0	0.0	0.0	0.0	0.0	0.0	1237.5	0	$1,238	$1,237.50	$1,237.50		
			EO	Service Truck	HOUR	10.00	20.00			2	6	120.0	0	0	0	0.0	0.0	0.0	0.0	2400.0	0.0	0.0	0.0	0.0	2400.0	0	$2,400	$2,400.00	$2,400.00		
			PI	Service Truck FOG	HOUR	9.00	5.00			2	6	108.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		540.0	$540	$540.00	$540.00		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	6	60.0	48.0	12	60.0	900.0	337.5	1,237.5	0.0	0.0	0.0	0.0	0.0	0.0	1237.5	0	$1,238	$1,237.50	$1,237.50		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	3	6	180.0	144	36	180	4860.0	396.0	5,256.0	0.0	0.0	0.0	0.0	0.0	0.0	5256.0	0	$5,256	$5,256.00	$5,256.00	$67,671	$67,671
	8a8		**Area 800 Demolition**																												
		1 LS	ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			2	6	120.0	0	0	0	0.0	0.0	0.0	0.0	15375.6	0.0	0.0	0.0	0.0	15375.6	0	$15,376	$15,375.60	$15,375.60		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			2	6	108.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		7504.9	$7,505	$7,504.92	$7,504.92		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	6	120.0	96.0	24	120.0	1800.0	675.0	2,475.0	0.0	0.0	0.0	0.0	0.0	0.0	2475.0	0	$2,475	$2,475.00	$2,475.00		
			ER	365 Excavator - w/ Demo Shear	HOUR	10.00	128.13			1	6	60.0	0	0	0	0.0	0.0	0.0	0.0	7687.8	0.0	0.0	0.0	0.0	7687.8	0	$7,688	$7,687.80	$7,687.80		
			PI	365 Excavator - w/ Demo Shear FOG	HOUR	9.00	69.49			1	6	54.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		3752.5	$3,752	$3,752.46	$3,752.46		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	6	60.0	48.0	12	60.0	900.0	337.5	1,237.5	0.0	0.0	0.0	0.0	0.0	0.0	1237.5	0	$1,238	$1,237.50	$1,237.50		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	6	60.0	0	0	0	0.0	0.0	0.0	0.0	2175.0	0.0	0.0	0.0	0.0	2175.0	0	$2,175	$2,175.00	$2,175.00		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	6	54.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		732.4	$732	$732.38	$732.38		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	6	60.0	48.0	12	60.0	900.0	337.5	1,237.5	0.0	0.0	0.0	0.0	0.0	0.0	1237.5	0	$1,238	$1,237.50	$1,237.50		
			ER	Skid Steer W/Attachments	HOUR	10.00	23.75			1	6	60.0	0	0	0	0.0	0.0	0.0	0.0	1425.0	0.0	0.0	0.0	0.0	1425.0	0	$1,425	$1,425.00	$1,425.00		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	6	54.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		718.9	$719	$718.88	$718.88		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	6	60.0	48.0	12	60.0	900.0	337.5	1,237.5	0.0	0.0	0.0	0.0	0.0	0.0	1237.5	0	$1,238	$1,237.50	$1,237.50		
			EO	Service Truck	HOUR	10.00	20.00			2	6	120.0	0	0	0	0.0	0.0	0.0	0.0	2400.0	0.0	0.0	0.0	0.0	2400.0	0	$2,400	$2,400.00	$2,400.00		
			PI	Service Truck FOG	HOUR	9.00	5.00			2	6	108.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		540.0	$540	$540.00	$540.00		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	6	60.0	48.0	12	60.0	900.0	337.5	1,237.5	0.0	0.0	0.0	0.0	0.0	0.0	1237.5	0	$1,238	$1,237.50	$1,237.50		
			L	Technician	HOUR	10.00	27.00	40.50	2.00	2	6	120.0	96	24	120	3240.0	264.0	3,504.0	0.0	0.0	0.0	0.0	0.0	0.0	3504.0	0	$3,504	$3,504.00	$3,504.00	$53,241	$53,241
	8a9		**Area 900 Demolition**																												
				Area 900 Misc. Process Equip Demo																											
			ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			2	7	134.9	0	0	0	0.0	0.0	0.0	0.0	17280.9	0.0	0.0	0.0	0.0	17280.9	0	$17,281	$17,280.89	$17,280.89		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			2	7	121.4	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		8434.9	$8,435	$8,434.90	$8,434.90		

PROJECT: Energy Fuels: Pinion Ridge Mill Closure
LOCATION: Montrose County Colorado
SCOPE: Scenario #2: Mill Decommissioning
PREPARER: CCB

ALPHA RESOURCE CODE
L = HOURLY LABOR; PI = PROJECT INDIRECTS
P = SALARIED LABOR; S = SUBCONTRACTORS
EO = EQUIPMENT; U = TAXES/INS.BONDS
ER = RENTED EQUIPMENT; M = MATERIALS

WBS Code	BID QNTY	ITEM UNIT	COST TYPE	RESOURCE DESCRIPTION	UNIT OF MEAS	HRS PER DAY	COST PER UNIT	LABOR OT $/HR	# OT HRS/ DAY	# OF RES.	# OF DAYS	TOTAL MEASR QTY	ST HR QTY	OT HR QTY	LABOR TOT	$ (000) ST	OT	DIRECT COST SUBTOTALS $ (000) HOURLY LABOR	OWNED EQUIP	RENTED EQUIP	TEMP MATL	SALARY LABOR	SBCNT COSTS	TAX/INS. BONDS	COST (000)	PROJ. INDIRECTS	SUBTOTAL	TOTAL COST	PER UNIT OF MEASURE	TOTAL TASK COST	TOTAL UNIT COST
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	7	134.9	107.9	27	134.9	2023.1	758.6	2,781.7	0.0	0.0	0.0	0.0	0.0	0.0	2781.7	0	$2,782	$2,781.69	$2,781.69		
			ER	365 Excavator - w/ Demo Shear	HOUR	10.00	128.13			1	7	67.4	0	0	0	0.0	0.0	0.0	0.0	8640.4	0.0	0.0	0.0	0.0	8640.4	0	$8,640	$8,640.45	$8,640.45		
			PI	365 Excavator - w/ Demo Shear FOG	HOUR	9.00	69.49			1	7	60.7	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		4217.5	$4,217	$4,217.45	$4,217.45		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	7	67.4	53.9	13.5	67.4	1011.5	379.3	1,390.8	0.0	0.0	0.0	0.0	0.0	0.0	1390.8	0	$1,391	$1,390.85	$1,390.85		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	7	67.4	0	0	0	0.0	0.0	0.0	0.0	2444.5	0.0	0.0	0.0	0.0	2444.5	0	$2,445	$2,444.52	$2,444.52		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	7	60.7	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		823.1	$823	$823.13	$823.13		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	7	67.4	53.9	13.5	67.4	1011.5	379.3	1,390.8	0.0	0.0	0.0	0.0	0.0	0.0	1390.8	0	$1,391	$1,390.85	$1,390.85		
			ER	Skid Steer W/Attachments	HOUR	10.00	23.75			1	7	67.4	0	0	0	0.0	0.0	0.0	0.0	1601.6	0.0	0.0	0.0	0.0	1601.6	0	$1,602	$1,601.58	$1,601.58		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	7	60.7	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		808.0	$808	$807.96	$807.96		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	7	67.4	53.9	13.5	67.4	1011.5	379.3	1,390.8	0.0	0.0	0.0	0.0	0.0	0.0	1390.8	0	$1,391	$1,390.85	$1,390.85		
			EO	Service Truck	HOUR	10.00	20.00			2	7	134.9	0	0	0	0.0	0.0	0.0	0.0	2697.4	0.0	0.0	0.0	0.0	2697.4	0	$2,697	$2,697.40	$2,697.40		
			PI	Service Truck FOG	HOUR	9.00	5.00			2	7	121.4	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		606.9	$607	$606.92	$606.92		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	7	134.9	107.9	27	134.9	2023.1	758.6	2,781.7	0.0	0.0	0.0	0.0	0.0	0.0	2781.7	0	$2,782	$2,781.69	$2,781.69		
				Area 900 Building Demo								0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	$0	$0.00	$0.00		
			ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			1	9	90.0	0	0	0	0.0	0.0	0.0	0.0	11531.7	0.0	0.0	0.0	0.0	11531.7	0	$11,532	$11,531.70	$11,531.70		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			1	9	81.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5628.7	$5,629	$5,628.69	$5,628.69		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	9	90.0	72.0	18	90.0	1350.0	506.3	1,856.3	0.0	0.0	0.0	0.0	0.0	0.0	1856.3	0	$1,856	$1,856.25	$1,856.25		
			ER	365 Excavator - w/ Demo Shear	HOUR	10.00	128.13			1	9	90.0	0	0	0	0.0	0.0	0.0	0.0	11531.7	0.0	0.0	0.0	0.0	11531.7	0	$11,532	$11,531.70	$11,531.70		
			PI	365 Excavator - w/ Demo Shear FOG	HOUR	9.00	69.49			1	9	81.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5628.7	$5,629	$5,628.69	$5,628.69		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	9	90.0	72.0	18	90.0	1350.0	506.3	1,856.3	0.0	0.0	0.0	0.0	0.0	0.0	1856.3	0	$1,856	$1,856.25	$1,856.25		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	9	90.0	0	0	0	0.0	0.0	0.0	0.0	3262.5	0.0	0.0	0.0	0.0	3262.5	0	$3,263	$3,262.50	$3,262.50		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	9	81.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1098.6	$1,099	$1,098.56	$1,098.56		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	9	90.0	72.0	18	90.0	1350.0	506.3	1,856.3	0.0	0.0	0.0	0.0	0.0	0.0	1856.3	0	$1,856	$1,856.25	$1,856.25		
			ER	Skid Steer W/Attachments	HOUR	10.00	23.75			1	9	90.0	0	0	0	0.0	0.0	0.0	0.0	2137.5	0.0	0.0	0.0	0.0	2137.5	0	$2,138	$2,137.50	$2,137.50		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	9	81.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1078.3	$1,078	$1,078.31	$1,078.31		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	9	90.0	72.0	18	90.0	1350.0	506.3	1,856.3	0.0	0.0	0.0	0.0	0.0	0.0	1856.3	0	$1,856	$1,856.25	$1,856.25		
			EO	Service Truck	HOUR	10.00	20.00			2	9	180.0	0	0	0	0.0	0.0	0.0	0.0	3600.0	0.0	0.0	0.0	0.0	3600.0	0	$3,600	$3,600.00	$3,600.00		
			PI	Service Truck FOG	HOUR	9.00	5.00			2	9	162.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		810.0	$810	$810.00	$810.00		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	9	180.0	144.0	36	180.0	2700.0	1,012.5	3,712.5	0.0	0.0	0.0	0.0	0.0	0.0	3712.5	0	$3,713	$3,712.50	$3,712.50		
				Area 900 foundation Demo								0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	$0	$0.00	$0.00		
			ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			1	10	100.0	0	0	0	0.0	0.0	0.0	0.0	12813.0	0.0	0.0	0.0	0.0	12813.0	0	$12,813	$12,813.00	$12,813.00		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			1	10	90.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		6254.1	$6,254	$6,254.10	$6,254.10		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	100.0	80.0	20	100.0	1500.0	562.5	2,062.5	0.0	0.0	0.0	0.0	0.0	0.0	2062.5	0	$2,063	$2,062.50	$2,062.50		
			ER	365 Excavator - w/ Demo Shear	HOUR	10.00	128.13			1	10	100.0	0	0	0	0.0	0.0	0.0	0.0	12813.0	0.0	0.0	0.0	0.0	12813.0	0	$12,813	$12,813.00	$12,813.00		
			PI	365 Excavator - w/ Demo Shear FOG	HOUR	9.00	69.49			1	10	90.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		6254.1	$6,254	$6,254.10	$6,254.10		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	100.0	80.0	20	100.0	1500.0	562.5	2,062.5	0.0	0.0	0.0	0.0	0.0	0.0	2062.5	0	$2,063	$2,062.50	$2,062.50		
			ER	365 Excavator W/10K hammer	HOUR	10.00	128.13			1	10	100.0	0	0	0	0.0	0.0	0.0	0.0	12813.0	0.0	0.0	0.0	0.0	12813.0	0	$12,813	$12,813.00	$12,813.00		
			PI	365 Excavator W/10K hammer FOG	HOUR	9.00	69.49			1	10	90.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		6254.1	$6,254	$6,254.10	$6,254.10		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	100.0	80.0	20	100.0	1500.0	562.5	2,062.5	0.0	0.0	0.0	0.0	0.0	0.0	2062.5	0	$2,063	$2,062.50	$2,062.50		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	10	100.0	0	0	0	0.0	0.0	0.0	0.0	3625.0	0.0	0.0	0.0	0.0	3625.0	0	$3,625	$3,625.00	$3,625.00		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	10	90.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1220.6	$1,221	$1,220.63	$1,220.63		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	100.0	80.0	20	100.0	1500.0	562.5	2,062.5	0.0	0.0	0.0	0.0	0.0	0.0	2062.5	0	$2,063	$2,062.50	$2,062.50		
			ER	Skid Steer W/Attachments	HOUR	10.00	23.75			1	10	100.0	0	0	0	0.0	0.0	0.0	0.0	2375.0	0.0	0.0	0.0	0.0	2375.0	0	$2,375	$2,375.00	$2,375.00		
			PI	Skid Steer W/Attachments FOG	HOUR	9.00	13.31			1	10	90.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1198.1	$1,198	$1,198.13	$1,198.13		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	100.0	80.0	20	100.0	1500.0	562.5	2,062.5	0.0	0.0	0.0	0.0	0.0	0.0	2062.5	0	$2,063	$2,062.50	$2,062.50		
			EO	Service Truck	HOUR	10.00	20.00			2	10	200.0	0	0	0	0.0	0.0	0.0	0.0	4000.0	0.0	0.0	0.0	0.0	4000.0	0	$4,000	$4,000.00	$4,000.00		
			PI	Service Truck FOG	HOUR	9.00	5.00			2	10	180.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		900.0	$900	$900.00	$900.00		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	3	10	300.0	240.0	60	300.0	4500.0	1,687.5	6,187.5	0.0	0.0	0.0	0.0	0.0	0.0	6187.5	0	$6,188	$6,187.50	$6,187.50	$201,756	$201,756
	8a10			**Electrical De-energizing**																											
		1 LS	S	Eelctrical Contractor	LS	1.00	80000.00			1	1	1.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80000.0	0.0	80000.0	0	$80,000	$80,000.00	$80,000.00	$80,000	$80,000
8b		1 LS		**Transport, Place and Compact Mill Demolition Debris in Cell A**																											
			ER	740D Ejector	HOUR	10.00	85.12			2	25	499.7	0	0	0	0.0	0.0	0.0	0.0	42534.5	0.0	0.0	0.0	0.0	42534.5	0	$42,534	$42,534.46	$42,534.46		
			PI	740D Ejector FOG	HOUR	9.00	37.47			2	25	449.7	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		16851.4	$16,851	$16,851.38	$16,851.38		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	25	499.7	399.8	99.9	499.7	7495.5	2,810.8	10,306.3	0.0	0.0	0.0	0.0	0.0	0.0	10306.3	0	$10,306	$10,306.31	$10,306.31		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			0.3	25	75.0	0	0	0	0.0	0.0	0.0	0.0	2718.8	0.0	0.0	0.0	0.0	2718.8	0	$2,719	$2,718.75	$2,718.75		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			0.3	25	67.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		915.5	$915	$915.47	$915.47		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.3	25	75.0	67.5	7.5	75.0	1265.6	210.9	1,476.6	0.0	0.0	0.0	0.0	0.0	0.0	1476.6	0	$1,477	$1,476.56	$1,476.56		
			ER	CAT 563 C Compactor	HOUR	10.00	28.20			0.6	25	158.0	0	0	0	0.0	0.0	0.0	0.0	4454.9	0.0	0.0	0.0	0.0	4454.9	0	$4,455	$4,454.90	$4,454.90		
			PI	CAT 563 C Compactor FOG	HOUR	9.00	3.68			0.6	25	142.2	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		523.2	$523	$523.21	$523.21		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.6	25	158.0	142.2	15.8	158.0	2665.8	444.3	3,110.1	0.0	0.0	0.0	0.0	0.0	0.0	3110.1	0	$3,110	$3,110.13	$3,110.13		
			ER	D6 Dozer - w/ ripper	HOUR	10.00	65.88			1	25	249.9	0	0	0	0.0	0.0	0.0	0.0	16460.1	0.0	0.0	0.0	0.0	16460.1	0	$16,460	$16,460.12	$16,460.12		
			PI	D6 Dozer - w/ ripper FOG	HOUR	9.00	31.58			1	25	224.9	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		7101.2	$7,101	$7,101.24	$7,101.24		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	25	249.9	199.9	50	249.9	3747.8	1,405.4	5,153.2	0.0	0.0	0.0	0.0	0.0	0.0	5153.2	0	$5,153	$5,153.16	$5,153.16		
			ER	Concrete Pump	HOUR	10.00	15.00			1	18	180.0	0	0	0	0.0	0.0	0.0	0.0	2700.0	0.0	0.0	0.0	0.0	2700.0	0	$2,700	$2,700.00	$2,700.00		
			PI	Concrete Pump FOG	HOUR	9.00	13.81			1	18	162.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		2237.2	$2,237	$2,237.22	$2,237.22		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	0	18	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	$0	$0.00	$0.00		
			ER	Concrete Mobile Mixer	HOUR	10.00	27.50			1	18	180.0	0	0	0	0.0	0.0	0.0	0.0	4950.0	0.0	0.0	0.0	0.0	4950.0	0	$4,950	$4,950.00	$4,950.00		
			PI	Concrete Mobile Mixer FOG	HOUR	9.00	10.48			1	18	162.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1697.8	$1,698	$1,697.76	$1,697.76		

PROJECT: **Energy Fuels: Pinion Ridge Mill Closure**
LOCATION: **Montrose County Colorado**
SCOPE: **Scenario #2: Mill Decommissioning**

PREPARER: CCB

ALPHA RESOURCE CODE
L = HOURLY LABOR PI = PROJECT INDIRECTS
P = SALARIED LABOR S = SUBCONTRACTORS
EO = EQUIPMENT U = TAXES/INS.BONDS
ER = RENTED EQUIPMENT M = MATERIALS

WBS Code	BID QNTY	ITEM UNIT	COST TYPE	RESOURCE DESCRIPTION	UNIT OF MEAS	HRS PER DAY	COST PER UNIT	LABOR OT $/HR	# OT HRS/ DAY	# OF RES.	# OF DAYS	TOTAL MEASR QTY	ST HR QTY	OT HR QTY	LABOR TOT	$ (000) ST	OT	DIRECT COST SUBTOTALS $ (000) HOURLY LABOR	OWNED EQUIP	RENTED EQUIP	TEMP MATL	SALARY LABOR	SBCNT COSTS	TAX/INS. BONDS	COST (000)	PROJ. INDIRECTS	SUBTOTAL	TOTAL COST	PER UNIT OF MEASURE	TOTAL TASK COST	TOTAL UNIT COST
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	18	180.0	144.0	36	180.0	2700.0	1,012.5	3,712.5	0.0	0.0	0.0	0.0	0.0	0.0	3712.5	0	$3,713	$3,712.50	$3,712.50		
			M	Cement - Delivered - for soil / cement grout	94# sacks	1.00	9.74			9100	1	9100	0	0	0	0.0	0.0	0.0	0.0	0.0	88,634.0	0.0	0.0	0.0	88634.0	0	$88,634	$88,634.00	$9.74		
			ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			0.8	25	187.4	0	0	0	0.0	0.0	0.0	0.0	24010.0	0.0	0.0	0.0	0.0	24010.0	0	$24,010	$24,009.96	$24,009.96		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			0.8	25	168.6	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		11719.4	$11,719	$11,719.40	$11,719.40		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	0.8	25	187.4	149.9	37.5	187.4	2810.8	1,054.1	3,864.9	0.0	0.0	0.0	0.0	0.0	0.0	3864.9	0	$3,865	$3,864.87	$3,864.87	$255,131	$255,131
8c	14,520	CY	**Place Ore Pad Materials in Cell A**																												
			ER	740D Ejector	HOUR	10.00	85.12			2	4	72.6	0	0	0	0.0	0.0	0.0	0.0	6178.0	0.0	0.0	0.0	0.0	6178.0	0	$6,178	$6,178.01	$0.43		
			PI	740D Ejector FOG	HOUR	9.00	37.47			2	4	65.3	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		2447.6	$2,448	$2,447.62	$0.17		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	4	72.6	58.1	14.5	72.6	1088.7	408.3	1,497.0	0.0	0.0	0.0	0.0	0.0	0.0	1497.0	0	$1,497	$1,496.96	$0.10		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			0.4	4	16.4	0	0	0	0.0	0.0	0.0	0.0	593.1	0.0	0.0	0.0	0.0	593.1	0	$593	$593.05	$0.04		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			0.4	4	14.7	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		199.7	$200	$199.69	$0.01		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.4	4	16.4	14.7	1.64	16.4	276.1	46.0	322.1	0.0	0.0	0.0	0.0	0.0	0.0	322.1	0	$322	$322.09	$0.02		
			ER	CAT 563 C Compactor	HOUR	10.00	28.20			0.7	4	26.1	0	0	0	0.0	0.0	0.0	0.0	736.6	0.0	0.0	0.0	0.0	736.6	0	$737	$736.58	$0.05		
			PI	CAT 563 C Compactor FOG	HOUR	9.00	3.68			0.7	4	23.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		86.5	$87	$86.51	$0.01		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.7	4	26.1	23.5	2.61	26.1	440.8	73.5	514.2	0.0	0.0	0.0	0.0	0.0	0.0	514.2	0	$514	$514.24	$0.04		
			ER	D6 Dozer - w/ ripper	HOUR	10.00	65.88			1	4	36.3	0	0	0	0.0	0.0	0.0	0.0	2390.8	0.0	0.0	0.0	0.0	2390.8	0	$2,391	$2,390.79	$0.16		
			PI	D6 Dozer - w/ ripper FOG	HOUR	9.00	31.58			1	4	32.7	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1031.4	$1,031	$1,031.43	$0.07		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	4	36.3	29.0	7.26	36.3	544.4	204.1	748.5	0.0	0.0	0.0	0.0	0.0	0.0	748.5	0	$748	$748.48	$0.05		
			ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			0.7	4	24.7	0	0	0	0.0	0.0	0.0	0.0	3161.9	0.0	0.0	0.0	0.0	3161.9	0	$3,162	$3,161.89	$0.22		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			0.7	4	22.2	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1543.3	$1,543	$1,543.34	$0.11		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	0.7	4	24.7	19.7	4.94	24.7	370.2	138.8	509.0	0.0	0.0	0.0	0.0	0.0	0.0	509.0	0	$509	$508.97	$0.04	$21,960	$1.51
8d	12,227	CY	**Strip & Place Mill Facility Soil in Tailings Cell A**																												
			ER	740D Ejector	HOUR	10.00	85.12			2	3	51.9	0	0	0	0.0	0.0	0.0	0.0	4416.0	0.0	0.0	0.0	0.0	4416.0	0	$4,416	$4,416.03	$0.36		
			PI	740D Ejector FOG	HOUR	9.00	37.47			2	3	46.7	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1749.5	$1,750	$1,749.55	$0.14		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	3	51.9	41.5	10.4	51.9	778.2	291.8	1,070.0	0.0	0.0	0.0	0.0	0.0	0.0	1070.0	0	$1,070	$1,070.03	$0.09		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			0.6	3	18.0	0	0	0	0.0	0.0	0.0	0.0	652.5	0.0	0.0	0.0	0.0	652.5	0	$653	$652.50	$0.05		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			0.6	3	16.2	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		219.7	$220	$219.71	$0.02		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.6	3	18.0	16.2	1.8	18.0	303.8	50.6	354.4	0.0	0.0	0.0	0.0	0.0	0.0	354.4	0	$354	$354.38	$0.03		
			ER	CAT 563 C Compactor	HOUR	10.00	28.20			0.7	3	19.5	0	0	0	0.0	0.0	0.0	0.0	549.9	0.0	0.0	0.0	0.0	549.9	0	$550	$549.90	$0.04		
			PI	CAT 563 C Compactor FOG	HOUR	9.00	3.68			0.7	3	17.6	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		64.6	$65	$64.58	$0.01		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.7	3	19.5	17.6	1.95	19.5	329.1	54.8	383.9	0.0	0.0	0.0	0.0	0.0	0.0	383.9	0	$384	$383.91	$0.03		
			ER	D6 Dozer - w/ ripper	HOUR	10.00	65.88			1	3	25.9	0	0	0	0.0	0.0	0.0	0.0	1708.9	0.0	0.0	0.0	0.0	1708.9	0	$1,709	$1,708.93	$0.14		
			PI	D6 Dozer - w/ ripper FOG	HOUR	9.00	31.58			1	3	23.3	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		737.3	$737	$737.27	$0.06		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	3	25.9	20.8	5.19	25.9	389.1	145.9	535.0	0.0	0.0	0.0	0.0	0.0	0.0	535.0	0	$535	$535.01	$0.04		
			ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			0.6	3	16.7	0	0	0	0.0	0.0	0.0	0.0	2143.8	0.0	0.0	0.0	0.0	2143.8	0	$2,144	$2,143.78	$0.18		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			0.6	3	15.1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1046.4	$1,046	$1,046.39	$0.09		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	0.6	3	16.7	13.4	3.35	16.7	251.0	94.1	345.1	0.0	0.0	0.0	0.0	0.0	0.0	345.1	0	$345	$345.08	$0.03		
			ER	14 Motor Grader	HOUR	10.00	62.76			0.9	3	23.3	0	0	0	0.0	0.0	0.0	0.0	1464.4	0.0	0.0	0.0	0.0	1464.4	0	$1,464	$1,464.38	$0.12		
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			0.9	3	21.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		567.0	$567	$566.99	$0.05		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	0.9	3	23.3	18.7	4.67	23.3	350.0	131.2	481.2	0.0	0.0	0.0	0.0	0.0	0.0	481.2	0	$481	$481.24	$0.04	$18,490	$1.51
8e	11,657	CY	**Strip & Place Other Onsite Soil in Tailings Cell A**																												
			ER	740D Ejector	HOUR	10.00	85.12			2	2	49.5	0	0	0	0.0	0.0	0.0	0.0	4213.4	0.0	0.0	0.0	0.0	4213.4	0	$4,213	$4,213.44	$0.36		
			PI	740D Ejector FOG	HOUR	9.00	37.47			2	2	44.6	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1669.3	$1,669	$1,669.29	$0.14		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	2	49.5	39.6	9.9	49.5	742.5	278.4	1,020.9	0.0	0.0	0.0	0.0	0.0	0.0	1020.9	0	$1,021	$1,020.94	$0.09		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			0.5	2	9.0	0	0	0	0.0	0.0	0.0	0.0	326.3	0.0	0.0	0.0	0.0	326.3	0	$326	$326.25	$0.03		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			0.5	2	8.1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		109.9	$110	$109.86	$0.01		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.5	2	9.0	8.1	0.9	9.0	151.9	25.3	177.2	0.0	0.0	0.0	0.0	0.0	0.0	177.2	0	$177	$177.19	$0.02		
			ER	CAT 563 C Compactor	HOUR	10.00	28.20			0.8	2	16.2	0	0	0	0.0	0.0	0.0	0.0	456.8	0.0	0.0	0.0	0.0	456.8	0	$457	$456.84	$0.04		
			PI	CAT 563 C Compactor FOG	HOUR	9.00	3.68			0.8	2	14.6	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		53.7	$54	$53.65	$0.00		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.8	2	16.2	14.6	1.62	16.2	273.4	45.6	318.9	0.0	0.0	0.0	0.0	0.0	0.0	318.9	0	$319	$318.94	$0.03		
			ER	D6 Dozer - w/ ripper	HOUR	10.00	65.88			1	2	24.8	0	0	0	0.0	0.0	0.0	0.0	1630.5	0.0	0.0	0.0	0.0	1630.5	0	$1,631	$1,630.53	$0.14		
			PI	D6 Dozer - w/ ripper FOG	HOUR	9.00	31.58			1	2	22.3	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		703.4	$703	$703.44	$0.06		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	2	24.8	19.8	4.95	24.8	371.3	139.2	510.5	0.0	0.0	0.0	0.0	0.0	0.0	510.5	0	$510	$510.47	$0.04		
			ER	365 Excavator W/Hyd. Thumb	HOUR	10.00	128.13			0.73	2	18.1	0	0	0	0.0	0.0	0.0	0.0	2315.0	0.0	0.0	0.0	0.0	2315.0	0	$2,315	$2,314.99	$0.20		
			PI	365 Excavator W/Hyd. Thumb FOG	HOUR	9.00	69.49			0.73	2	16.3	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1130.0	$1,130	$1,129.96	$0.10		
			L	Operator	HOUR	10.00	18.75	28.13	0.00	0.73	2	18.1	18.1	0	18.1	338.8	0.0	338.8	0.0	0.0	0.0	0.0	0.0	0.0	338.8	0	$339	$338.77	$0.03		
			ER	14 Motor Grader	HOUR	10.00	62.76			1	2	24.8	0	0	0	0.0	0.0	0.0	0.0	1553.3	0.0	0.0	0.0	0.0	1553.3	0	$1,553	$1,553.31	$0.13		
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			1	2	22.3	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		601.4	$601	$601.43	$0.05		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	2	24.8	19.8	4.95	24.8	371.3	139.2	510.5	0.0	0.0	0.0	0.0	0.0	0.0	510.5	0	$510	$510.47	$0.04	$17,640	$1.51
8fa	85,000	CY	**Strip and Place Evaporation Pond Soils in Tailings Cell A (initial 4-Ponds)**																												
			ER	988 Wheel Loader	HOUR	10.00	46.88			1	22	223.9	0	0	0	0.0	0.0	0.0	0.0	10494.3	0.0	0.0	0.0	0.0	10494.3	0	$10,494	$10,494.32	$0.12		
			PI	988 Wheel Loader FOG	HOUR	9.00	62.28			1	22	201.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		12547.8	$12,548	$12,547.77	$0.15		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	22	223.9	179.1	44.8	223.9	3357.8	1,259.2	4,617.0	0.0	0.0	0.0	0.0	0.0	0.0	4617.0	0	$4,617	$4,617.01	$0.05		
			ER	740D Ejector	HOUR	10.00	85.12			6	22	1343.1	0	0	0	0.0	0.0	0.0	0.0	114327.2	0.0	0.0	0.0	0.0	114327.2	0	$114,327	$114,327.23	$1.35		
			PI	740D Ejector FOG	HOUR	9.00	37.47			6	22	1208.8	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		45294.4	$45,294	$45,294.37	$0.53		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	6	22	1343.1	1074.5	269	1343.1	20147.0	7,555.1	27,702.1	0.0	0.0	0.0	0.0	0.0	0.0	27702.1	0	$27,702	$27,702.06	$0.33		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			0.6	22	133.2	0	0	0	0.0	0.0	0.0	0.0	4828.3	0.0	0.0	0.0	0.0	4828.3	0	$4,828	$4,828.27	$0.06		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			0.6	22	119.9	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1625.8	$1,626	$1,625.80	$0.02		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.6	22	133.2	119.9	13.3	133.2	2247.6	374.6	2,622.3	0.0	0.0	0.0	0.0	0.0	0.0	2622.3	0	$2,622	$2,622.25	$0.03		

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LOCATION: Montrose County Colorado
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PREPARER: CCB

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EO = EQUIPMENT; U = TAXES/INS.BONDS
ER = RENTED EQUIPMENT; M = MATERIALS

WBS Code	BID QNTY	ITEM UNIT	COST TYPE	RESOURCE DESCRIPTION	UNIT OF MEAS	HRS PER DAY	COST PER UNIT	LABOR OT $/HR	# OT HRS/ DAY	# OF RES.	# OF DAYS	TOTAL MEASR QTY	ST HR QTY	OT HR QTY	LABOR TOT	$ (000) ST	OT	DIRECT COST SUBTOTALS $ (000) HOURLY LABOR	OWNED EQUIP	RENTED EQUIP	TEMP MATL	SALARY LABOR	SBCNT COSTS	TAX/INS. BONDS	COST (000)	PROJ. INDIRECTS	SUBTOTAL	TOTAL COST	PER UNIT OF MEASURE	TOTAL TASK COST	TOTAL UNIT COST
			ER	CAT 563 C Compactor	HOUR	10.00	28.20			0.6	22	124.7	0	0	0	0.0	0.0	0.0	0.0	3515.5	0.0	0.0	0.0	0.0	3515.5	0	$3,516	$3,515.55	$0.04		
			PI	CAT 563 C Compactor FOG	HOUR	9.00	3.68			0.6	22	112.2	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		412.9	$413	$412.89	$0.00		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.6	22	124.7	112.2	12.5	124.7	2103.7	350.6	2,454.3	0.0	0.0	0.0	0.0	0.0	0.0	2454.3	0	$2,454	$2,454.34	$0.03		
			ER	14 Motor Grader	HOUR	10.00	62.76			1	22	223.9	0	0	0	0.0	0.0	0.0	0.0	14049.1	0.0	0.0	0.0	0.0	14049.1	0	$14,049	$14,049.14	$0.17		
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			1	22	201.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5439.7	$5,440	$5,439.68	$0.06		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	22	223.9	179.1	44.8	223.9	3357.8	1,259.2	4,617.0	0.0	0.0	0.0	0.0	0.0	0.0	4617.0	0	$4,617	$4,617.01	$0.05		
			ER	D6 Dozer - w/ ripper	HOUR	10.00	65.88			2	22	447.7	0	0	0	0.0	0.0	0.0	0.0	29495.1	0.0	0.0	0.0	0.0	29495.1	0	$29,495	$29,495.13	$0.35		
			PI	D6 Dozer - w/ ripper FOG	HOUR	9.00	31.58			2	22	402.9	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		12724.8	$12,725	$12,724.81	$0.15		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	22	447.7	358.2	89.5	447.7	6715.7	2,518.4	9,234.0	0.0	0.0	0.0	0.0	0.0	0.0	9234.0	0	$9,234	$9,234.02	$0.11	$306,000	$3.60
8fb	227,541	CY	**Backfill With Clean Soil - Initial 4-Ponds**																												
			ER	988 Wheel Loader	HOUR	10.00	46.88			1	25	251.1	0	0	0	0.0	0.0	0.0	0.0	11770.6	0.0	0.0	0.0	0.0	11770.6	0	$11,771	$11,770.63	$0.05		
			PI	988 Wheel Loader FOG	HOUR	9.00	62.28			1	25	226.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		14073.8	$14,074	$14,073.82	$0.06		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	25	251.1	200.9	50.2	251.1	3766.2	1,412.3	5,178.5	0.0	0.0	0.0	0.0	0.0	0.0	5178.5	0	$5,179	$5,178.53	$0.02		
			ER	740D Ejector	HOUR	10.00	85.12			6	25	1506.5	0	0	0	0.0	0.0	0.0	0.0	128231.6	0.0	0.0	0.0	0.0	128231.6	0	$128,232	$128,231.58	$0.56		
			PI	740D Ejector FOG	HOUR	9.00	37.47			6	25	1355.8	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		50803.0	$50,803	$50,803.03	$0.22		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	6	25	1506.5	1205.2	301	1506.5	22597.2	8,474.0	31,071.2	0.0	0.0	0.0	0.0	0.0	0.0	31071.2	0	$31,071	$31,071.15	$0.14		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	25	251.1	0	0	0	0.0	0.0	0.0	0.0	9101.7	0.0	0.0	0.0	0.0	9101.7	0	$9,102	$9,101.65	$0.04		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	25	226.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		3064.7	$3,065	$3,064.75	$0.01		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	25	251.1	200.9	50.2	251.1	3766.2	1,412.3	5,178.5	0.0	0.0	0.0	0.0	0.0	0.0	5178.5	0	$5,179	$5,178.53	$0.02		
			ER	14 Motor Grader	HOUR	10.00	62.76			1	25	251.1	0	0	0	0.0	0.0	0.0	0.0	15758.6	0.0	0.0	0.0	0.0	15758.6	0	$15,759	$15,758.57	$0.07		
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			1	25	226.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		6101.5	$6,102	$6,101.55	$0.03		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	25	251.1	200.9	50.2	251.1	3766.4	1,412.4	5,178.8	0.0	0.0	0.0	0.0	0.0	0.0	5178.8	0	$5,179	$5,178.78	$0.02		
			ER	D6 Dozer - w/ ripper	HOUR	10.00	65.88			2	25	502.2	0	0	0	0.0	0.0	0.0	0.0	33082.3	0.0	0.0	0.0	0.0	33082.3	0	$33,082	$33,082.30	$0.15		
			PI	D6 Dozer - w/ ripper FOG	HOUR	9.00	31.58			2	25	451.9	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		14272.4	$14,272	$14,272.39	$0.06		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	25	502.2	401.7	100	502.2	7532.4	2,824.7	10,357.1	0.0	0.0	0.0	0.0	0.0	0.0	10357.1	0	$10,357	$10,357.05	$0.05	$343,224	$1.51
9	94,560	CY	**Construct Interim Fill Cover (2.0-ft)**																												
			ER	631 Scraper	HOUR	10.00	57.83			4	12	483.7	0	0	0	0.0	0.0	0.0	0.0	27970.7	0.0	0.0	0.0	0.0	27970.7	0	$27,971	$27,970.71	$0.30		
			PI	631 Scraper FOG	HOUR	9.00	98.75			4	12	435.3	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		42987.1	$42,987	$42,987.06	$0.45		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	4	12	483.7	386.9	96.7	483.7	7255.2	2,720.7	9,975.9	0.0	0.0	0.0	0.0	0.0	0.0	9975.9	0	$9,976	$9,975.90	$0.11		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			0.6	12	71.0	0	0	0	0.0	0.0	0.0	0.0	2573.0	0.0	0.0	0.0	0.0	2573.0	0	$2,573	$2,573.03	$0.03		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			0.6	12	63.9	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		866.4	$866	$866.40	$0.01		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	0.6	12	71.0	56.8	14.2	71.0	1064.7	399.3	1,464.0	0.0	0.0	0.0	0.0	0.0	0.0	1464.0	0	$1,464	$1,463.96	$0.02		
			ER	CAT 563 C Compactor	HOUR	10.00	28.20			0.6	12	67.4	0	0	0	0.0	0.0	0.0	0.0	1899.3	0.0	0.0	0.0	0.0	1899.3	0	$1,899	$1,899.34	$0.02		
			PI	CAT 563 C Compactor FOG	HOUR	9.00	3.68			0.6	12	60.6	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		223.1	$223	$223.07	$0.00		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.6	12	67.4	60.6	6.74	67.4	1136.6	189.4	1,326.0	0.0	0.0	0.0	0.0	0.0	0.0	1326.0	0	$1,326	$1,326.00	$0.01		
			ER	14 Motor Grader	HOUR	10.00	62.76			1	12	120.9	0	0	0	0.0	0.0	0.0	0.0	7588.9	0.0	0.0	0.0	0.0	7588.9	0	$7,589	$7,588.94	$0.08		
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			1	12	108.8	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		2938.4	$2,938	$2,938.36	$0.03		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	12	120.9	96.7	24.2	120.9	1813.8	680.2	2,494.0	0.0	0.0	0.0	0.0	0.0	0.0	2494.0	0	$2,494	$2,493.98	$0.03		
			ER	D6 Dozer - w/ ripper	HOUR	10.00	65.88			3	12	362.8	0	0	0	0.0	0.0	0.0	0.0	23898.6	0.0	0.0	0.0	0.0	23898.6	0	$23,899	$23,898.63	$0.25		
			PI	D6 Dozer - w/ ripper FOG	HOUR	9.00	31.58			3	12	326.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		10310.4	$10,310	$10,310.36	$0.11		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	3	12	362.8	290.2	72.6	362.8	5441.4	2,040.5	7,481.9	0.0	0.0	0.0	0.0	0.0	0.0	7481.9	0	$7,482	$7,481.93	$0.08	$144,000	$1.52
10			**Grout Seal Leak Detection System & Under-Drain**																												
	400	LF			LF		8.21			1	1	0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3285.0	0.0	3285.0	0	$3,285	$3,285.00	$8.21		
	1,340	LF			LF		8.19			1	1	0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10980.0	0.0	10980.0	0	$10,980	$10,980.00	$8.19	$14,265	$8.20
11a	362,640	CY	**Construct Radon Barrier Cover (4.6-ft - 7.0-ft)**																												
	362,640	CY	ER	631 Scraper	HOUR	10.00	57.83			4	50	2001.6	0	0	0	0.0	0.0	0.0	0.0	115752.7	0.0	0.0	0.0	0.0	115752.7	0	$115,753	$115,752.73	$0.32		
	362,640	CY	PI	631 Scraper FOG	HOUR	9.00	98.75			4	50	1801.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		177895.8	$177,896	$177,895.76	$0.49		
	362,640	CY	L	Operator	HOUR	10.00	18.75	28.13	2.00	4	50	2001.6	1601.3	400	2001.6	30024.6	11,259.2	41,283.8	0.0	0.0	0.0	0.0	0.0	0.0	41283.8	0	$41,284	$41,283.83	$0.11		
	362,640	CY	ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			0.6	50	294.2	0	0	0	0.0	0.0	0.0	0.0	10666.2	0.0	0.0	0.0	0.0	10666.2	0	$10,666	$10,666.24	$0.03		
	362,640	CY	PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			0.6	50	264.8	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		3591.6	$3,592	$3,591.58	$0.01		
	362,640	CY	L	Operator	HOUR	10.00	18.75	28.13	1.00	0.6	50	294.2	264.8	29.4	294.2	4965.3	827.6	5,792.9	0.0	0.0	0.0	0.0	0.0	0.0	5792.9	0	$5,793	$5,792.87	$0.02		
			ER	CAT 563 C Compactor	HOUR	10.00	28.20			0.6	50	283.5	0	0	0	0.0	0.0	0.0	0.0	7994.2	0.0	0.0	0.0	0.0	7994.2	0	$7,994	$7,994.20	$0.02		
			PI	CAT 563 C Compactor FOG	HOUR	9.00	3.68			0.6	50	255.1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		938.9	$939	$938.89	$0.00		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.6	50	283.5	255.1	28.3	283.5	4783.8	797.3	5,581.1	0.0	0.0	0.0	0.0	0.0	0.0	5581.1	0	$5,581	$5,581.06	$0.02		
	362,640	CY	ER	14 Motor Grader	HOUR	10.00	62.76			1	50	500.4	0	0	0	0.0	0.0	0.0	0.0	31405.7	0.0	0.0	0.0	0.0	31405.7	0	$31,406	$31,405.73	$0.09		
	362,640	CY	PI	14 Motor Grader FOG	HOUR	9.00	27.00			1	50	450.4	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		12160.0	$12,160	$12,159.96	$0.03		
	362,640	CY	L	Operator	HOUR	10.00	18.75	28.13	2.00	1	50	500.4	400.3	100	500.4	7506.2	2,814.8	10,321.0	0.0	0.0	0.0	0.0	0.0	0.0	10321.0	0	$10,321	$10,320.96	$0.03		
	362,640	CY	ER	D6 Dozer - w/ ripper	HOUR	10.00	65.88			2	50	1000.8	0	0	0	0.0	0.0	0.0	0.0	65934.0	0.0	0.0	0.0	0.0	65934.0	0	$65,934	$65,934.02	$0.18		
	362,640	CY	PI	D6 Dozer - w/ ripper FOG	HOUR	9.00	42.34			2	50	900.7	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		38140.6	$38,141	$38,140.62	$0.11		
	362,640	CY	L	Operator	HOUR	10.00	18.75	28.13	2.00	2	50	1000.8	800.7	200	1000.8	15012.3	5,629.6	20,641.9	0.0	0.0	0.0	0.0	0.0	0.0	20641.9	0	$20,642	$20,641.91	$0.06	$548,100	$1.51
11b	53,120	CY	**Construct Capilary Break**																												
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			0.6	15	87.7	0	0	0	0.0	0.0	0.0	0.0	3180.1	0.0	0.0	0.0	0.0	3180.1	0	$3,180	$3,180.05	$0.06		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			0.6	15	79.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1070.8	$1,071	$1,070.80	$0.02		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	0.6	15	87.7	70.2	17.5	87.7	1315.9	493.5	1,809.3	0.0	0.0	0.0	0.0	0.0	0.0	1809.3	0	$1,809	$1,809.34	$0.03		
			ER	CAT 563 C Compactor	HOUR	10.00	28.20			0.6	15	84.3	0	0	0	0.0	0.0	0.0	0.0	2376.4	0.0	0.0	0.0	0.0	2376.4	0	$2,376	$2,376.43	$0.04		
			PI	CAT 563 C Compactor FOG	HOUR	9.00	3.68			0.6	15	75.8	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		279.1	$279	$279.10	$0.01		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.6	15	84.3	75.8	8.43	84.3	1422.1	237.0	1,659.1	0.0	0.0	0.0	0.0	0.0	0.0	1659.1	0	$1,659	$1,659.08	$0.03		
			ER	14 Motor Grader	HOUR	10.00	62.76			3	15	450.6	0	0	0	0.0	0.0	0.0	0.0	28282.5	0.0	0.0	0.0	0.0	28282.5	0	$28,282	$28,282.48	$0.53		
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			3	15	405.6	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		10950.7	$10,951	$10,950.67	$0.21		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	3	15	450.6	360.5	90.1	450.6	6759.7	2,534.9	9,294.6	0.0	0.0	0.0	0.0	0.0	0.0	9294.6	0	$9,295	$9,294.55	$0.17		
			ER	D6 Dozer - LGP	HOUR	10.00	65.88			3	15	450.6	0	0	0	0.0	0.0	0.0	0.0	29688.5	0.0	0.0	0.0	0.0	29688.5	0	$29,688	$29,688.49	$0.56		

PROJECT: Energy Fuels: Pinion Ridge Mill Closure
LOCATION: Montrose County Colorado
SCOPE: Scenario #2: Mill Decommissioning
PREPARER: CCB

ALPHA RESOURCE CODE
L = HOURLY LABOR; PI = PROJECT INDIRECTS
P = SALARIED LABOR; S = SUBCONTRACTORS
EO = EQUIPMENT; U = TAXES/INS.BONDS
ER = RENTED EQUIPMENT; M = MATERIALS

WBS Code	BID QNTY	ITEM UNIT	COST TYPE	RESOURCE DESCRIPTION	UNIT OF MEAS	HRS PER DAY	COST PER UNIT	LABOR OT $/HR	# OT HRS/ DAY	# OF RES.	# OF DAYS	TOTAL MEASR QTY	ST HR QTY	OT HR QTY	LABOR TOT	$ (000) ST	OT	DIRECT COST SUBTOTALS $ (000) HOURLY LABOR	OWNED EQUIP	RENTED EQUIP	TEMP MATL	SALARY LABOR	SBCNT COSTS	TAX/INS. BONDS	COST (000)	PROJ. INDIRECTS	SUBTOTAL	TOTAL COST	PER UNIT OF MEASURE	TOTAL TASK COST	TOTAL UNIT COST
			PI	D6 Dozer - LGP FOG	HOUR	9.00	30.81			3	15	405.6	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		12496.9	$12,497	$12,496.95	$0.24		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	3	15	450.6	360.5	90.1	450.6	6759.7	2,534.9	9,294.6	0.0	0.0	0.0	0.0	0.0	0.0	9294.6	0	$9,295	$9,294.55	$0.17		
			M	Sand - Delivered and direct placed	Ton	1.00	20.00			74368	1	74368	0	0	0	0.0	0.0	0.0	0.0	0.0	1,487,360.0	0.0	0.0	0.0	1487360.0	0	$1,487,360	$1,487,360.00	$28.00	$1,597,743	$30.08
11c	26,560	CY	**Construct Filter Layer Part of ET - 0.5-ft.)**																												
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			0.6	8	43.9	0	0	0	0.0	0.0	0.0	0.0	1592.6	0.0	0.0	0.0	0.0	1592.6	0	$1,593	$1,592.59	$0.06		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			0.6	8	39.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		536.3	$536	$536.26	$0.02		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	0.6	8	43.9	35.1	8.79	43.9	659.0	247.1	906.1	0.0	0.0	0.0	0.0	0.0	0.0	906.1	0	$906	$906.13	$0.03		
			ER	CAT 563 C Compactor	HOUR	10.00	28.20			0.6	8	42.1	0	0	0	0.0	0.0	0.0	0.0	1187.5	0.0	0.0	0.0	0.0	1187.5	0	$1,187	$1,187.46	$0.04		
			PI	CAT 563 C Compactor FOG	HOUR	9.00	3.68			0.6	8	37.9	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		139.5	$139	$139.46	$0.01		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.6	8	42.1	37.9	4.21	42.1	710.6	118.4	829.0	0.0	0.0	0.0	0.0	0.0	0.0	829.0	0	$829	$829.01	$0.03		
			ER	14 Motor Grader	HOUR	10.00	62.76			3	8	225.3	0	0	0	0.0	0.0	0.0	0.0	14139.8	0.0	0.0	0.0	0.0	14139.8	0	$14,140	$14,139.83	$0.53		
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			3	8	202.8	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5474.8	$5,475	$5,474.79	$0.21		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	3	8	225.3	180.2	45.1	225.3	3379.5	1,267.3	4,646.8	0.0	0.0	0.0	0.0	0.0	0.0	4646.8	0	$4,647	$4,646.81	$0.17		
			ER	D6 Dozer - LGP	HOUR	10.00	65.88			3	8	225.3	0	0	0	0.0	0.0	0.0	0.0	14842.8	0.0	0.0	0.0	0.0	14842.8	0	$14,843	$14,842.76	$0.56		
			PI	D6 Dozer - LGP FOG	HOUR	9.00	30.81			3	8	202.8	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		6247.9	$6,248	$6,247.85	$0.24		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	3	8	225.3	180.2	45.1	225.3	3379.5	1,267.3	4,646.8	0.0	0.0	0.0	0.0	0.0	0.0	4646.8	0	$4,647	$4,646.81	$0.17		
			M	Sand - Delivered and direct placed	Ton	1.00	20.00			37184	1	37184.0	0	0	0	0.0	0.0	0.0	0.0	0.0	743,680.0	0.0	0.0	0.0	743680.0	0	$743,680	$743,680.00	$28.00	$798,870	$30.08
11d	53,120	CY	**Construct Bio-Intrusion Layer**																												
			ER	966 Wheel Loader	HOUR	10.00	46.88			1	7	65.0	0	0	0	0.0	0.0	0.0	0.0	3047.2	0.0	0.0	0.0	0.0	3047.2	0	$3,047	$3,047.20	$0.06		
			PI	966 Wheel Loader FOG	HOUR	9.00	26.53			1	7	58.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1552.1	$1,552	$1,552.08	$0.03		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	7	65.0	52.0	13	65.0	975.0	365.6	1,340.6	0.0	0.0	0.0	0.0	0.0	0.0	1340.6	0	$1,341	$1,340.63	$0.03		
			M	3-in Rock - Delivered	Ton	1.00	20.00			14837	1	14837	0	0	0	0.0	0.0	0.0	0.0	0.0	296,745.3	0.0	0.0	0.0	296745.3	0	$296,745	$296,745.32	$5.59		
			ER	966 Wheel Loader	HOUR	10.00	46.88			1	7	65.0	0	0	0	0.0	0.0	0.0	0.0	3047.2	0.0	0.0	0.0	0.0	3047.2	0	$3,047	$3,047.20	$0.06		
			PI	966 Wheel Loader FOG	HOUR	9.00	26.53			1	7	58.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1552.1	$1,552	$1,552.08	$0.03		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	7	65.0	52.0	13	65.0	975.0	365.6	1,340.6	0.0	0.0	0.0	0.0	0.0	0.0	1340.6	0	$1,341	$1,340.63	$0.03		
			ER	740D Ejector	HOUR	10.00	85.12			3	7	195.0	0	0	0	0.0	0.0	0.0	0.0	16598.4	0.0	0.0	0.0	0.0	16598.4	0	$16,598	$16,598.40	$0.31		
			PI	740D Ejector FOG	HOUR	9.00	37.47			3	7	175.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		6576.0	$6,576	$6,575.99	$0.12		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	3	7	195.0	156.0	39	195.0	2925.0	1,096.9	4,021.9	0.0	0.0	0.0	0.0	0.0	0.0	4021.9	0	$4,022	$4,021.88	$0.08		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			0.6	7	37.9	0	0	0	0.0	0.0	0.0	0.0	1375.6	0.0	0.0	0.0	0.0	1375.6	0	$1,376	$1,375.58	$0.03		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			0.6	7	34.2	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		463.2	$463	$463.19	$0.01		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	0.6	7	37.9	30.4	7.59	37.9	569.2	213.5	782.7	0.0	0.0	0.0	0.0	0.0	0.0	782.7	0	$783	$782.66	$0.01		
			ER	CAT 563 C Compactor	HOUR	10.00	28.20			0.6	7	36.5	0	0	0	0.0	0.0	0.0	0.0	1028.3	0.0	0.0	0.0	0.0	1028.3	0	$1,028	$1,028.31	$0.02		
			PI	CAT 563 C Compactor FOG	HOUR	9.00	3.68			0.6	7	32.8	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		120.8	$121	$120.77	$0.00		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.6	7	36.5	32.8	3.65	36.5	615.3	102.6	717.9	0.0	0.0	0.0	0.0	0.0	0.0	717.9	0	$718	$717.90	$0.01		
			ER	14 Motor Grader	HOUR	10.00	62.76			1	7	65.0	0	0	0	0.0	0.0	0.0	0.0	4079.4	0.0	0.0	0.0	0.0	4079.4	0	$4,079	$4,079.40	$0.08		
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			1	7	58.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1579.5	$1,580	$1,579.50	$0.03		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	7	65.0	52.0	13	65.0	975.0	365.6	1,340.6	0.0	0.0	0.0	0.0	0.0	0.0	1340.6	0	$1,341	$1,340.63	$0.03		
			ER	D6 Dozer - LGP	HOUR	10.00	65.88			1	7	65.0	0	0	0	0.0	0.0	0.0	0.0	4282.2	0.0	0.0	0.0	0.0	4282.2	0	$4,282	$4,282.20	$0.08		
			PI	D6 Dozer - LGP FOG	HOUR	9.00	30.81			1	7	58.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1802.5	$1,803	$1,802.53	$0.03		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	7	65.0	52.0	13	65.0	975.0	365.6	1,340.6	0.0	0.0	0.0	0.0	0.0	0.0	1340.6	0	$1,341	$1,340.63	$0.03	$354,735	$6.68
11e	79,680	CY	**Construct Erosion Barrier - Native Soil**																												
			ER	966 Wheel Loader	HOUR	10.00	46.88			1	7	74.7	0	0	0	0.0	0.0	0.0	0.0	3503.8	0.0	0.0	0.0	0.0	3503.8	0	$3,504	$3,503.81	$0.04		
			PI	966 Wheel Loader FOG	HOUR	9.00	26.53			1	7	67.3	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1784.7	$1,785	$1,784.65	$0.02		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	7	74.7	59.8	14.9	74.7	1121.1	420.4	1,541.5	0.0	0.0	0.0	0.0	0.0	0.0	1541.5	0	$1,542	$1,541.51	$0.02		
			ER	740D Ejector	HOUR	10.00	85.12			8	7	597.9	0	0	0	0.0	0.0	0.0	0.0	50895.0	0.0	0.0	0.0	0.0	50895.0	0	$50,895	$50,894.95	$0.64		
			PI	740D Ejector FOG	HOUR	9.00	37.47			8	7	538.1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		20163.0	$20,163	$20,162.98	$0.25		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	8	7	597.9	478.3	120	597.9	8968.8	3,363.3	12,332.1	0.0	0.0	0.0	0.0	0.0	0.0	12332.1	0	$12,332	$12,332.10	$0.15		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			0.6	7	43.7	0	0	0	0.0	0.0	0.0	0.0	1585.0	0.0	0.0	0.0	0.0	1585.0	0	$1,585	$1,584.96	$0.02		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			0.6	7	39.4	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		533.7	$534	$533.69	$0.01		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	0.6	7	43.7	35.0	8.74	43.7	655.8	245.9	901.8	0.0	0.0	0.0	0.0	0.0	0.0	901.8	0	$902	$901.78	$0.01		
			ER	CAT 563 C Compactor	HOUR	10.00	28.20			0.6	7	41.9	0	0	0	0.0	0.0	0.0	0.0	1181.3	0.0	0.0	0.0	0.0	1181.3	0	$1,181	$1,181.35	$0.01		
			PI	CAT 563 C Compactor FOG	HOUR	9.00	3.68			0.6	7	37.7	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		138.7	$139	$138.75	$0.00		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.6	7	41.9	37.7	4.19	41.9	706.9	117.8	824.7	0.0	0.0	0.0	0.0	0.0	0.0	824.7	0	$825	$824.74	$0.01		
			ER	14 Motor Grader	HOUR	10.00	62.76			1	7	74.7	0	0	0	0.0	0.0	0.0	0.0	4690.7	0.0	0.0	0.0	0.0	4690.7	0	$4,691	$4,690.68	$0.06		
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			1	7	67.3	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1816.2	$1,816	$1,816.18	$0.02		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	7	74.7	59.8	14.9	74.7	1121.1	420.4	1,541.5	0.0	0.0	0.0	0.0	0.0	0.0	1541.5	0	$1,542	$1,541.51	$0.02		
			ER	D6 Dozer XL	HOUR	10.00	65.88			2	7	149.5	0	0	0	0.0	0.0	0.0	0.0	9847.7	0.0	0.0	0.0	0.0	9847.7	0	$9,848	$9,847.74	$0.12		
			PI	D6 Dozer XL FOG	HOUR	9.00	30.81			2	7	134.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		4145.3	$4,145	$4,145.27	$0.05		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	7	149.5	119.6	29.9	149.5	2242.2	840.8	3,083.0	0.0	0.0	0.0	0.0	0.0	0.0	3083.0	0	$3,083	$3,083.03	$0.04	$120,510	$1.51
11f	26,560	CY	**Construct Erosion Barrier - Rock Mulch**																												
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			0.3	5	15.0	0	0	0	0.0	0.0	0.0	0.0	543.8	0.0	0.0	0.0	0.0	543.8	0	$544	$543.75	$0.02		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			0.3	5	13.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		183.1	$183	$183.09	$0.01		
			L	Operator	HOUR	10.00	18.75	28.13	0.00	0.3	5	15.0	15.0	0	15.0	281.3	0.0	281.3	0.0	0.0	0.0	0.0	0.0	0.0	281.3	0	$281	$281.25	$0.01		
			ER	CAT 563 C Compactor	HOUR	10.00	28.20			0.3	5	16.8	0	0	0	0.0	0.0	0.0	0.0	473.8	0.0	0.0	0.0	0.0	473.8	0	$474	$473.76	$0.01		
			PI	CAT 563 C Compactor FOG	HOUR	9.00	3.68			0.3	5	15.1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		55.6	$56	$55.64	$0.00		
			L	Operator	HOUR	10.00	18.75	28.13	0.00	0.3	5	16.8	16.8	0	16.8	315.0	0.0	315.0	0.0	0.0	0.0	0.0	0.0	0.0	315.0	0	$315	$315.00	$0.00		
			ER	14 Motor Grader	HOUR	10.00	62.76			0.3	5	15.0	0	0	0	0.0	0.0	0.0	0.0	941.4	0.0	0.0	0.0	0.0	941.4	0	$941	$941.40	$0.04		

PROJECT: Energy Fuels: Pinion Ridge Mill Closure
LOCATION: Montrose County Colorado
SCOPE: Scenario #2: Mill Decommissioning
PREPARER: CCB

ALPHA RESOURCE CODE
L = HOURLY LABOR; PI = PROJECT INDIRECTS
P = SALARIED LABOR; S = SUBCONTRACTORS
EO = EQUIPMENT; U = TAXES/INS.BONDS
ER = RENTED EQUIPMENT; M = MATERIALS

WBS Code	BID QNTY	ITEM UNIT	COST TYPE	RESOURCE DESCRIPTION	UNIT OF MEAS	HRS PER DAY	COST PER UNIT	LABOR OT $/HR	# OT HRS/ DAY	# OF RES.	# OF DAYS	TOTAL MEASR QTY	ST HR QTY	OT HR QTY	LABOR TOT	$ (000) ST	OT	DIRECT COST SUBTOTALS $ (000) HOURLY LABOR	OWNED EQUIP	RENTED EQUIP	TEMP MATL	SALARY LABOR	SBCNT COSTS	TAX/INS. BONDS	COST (000)	PROJ. INDIRECTS	SUBTOTAL	TOTAL COST	PER UNIT OF MEASURE	TOTAL TASK COST	TOTAL UNIT COST
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			0.3	5	13.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		364.5	$365	$364.50	$0.01		
			L	Operator	HOUR	10.00	18.75	28.13	1.00	0.3	5	15.0	13.5	1.5	15.0	253.1	42.2	295.3	0.0	0.0	0.0	0.0	0.0	0.0	295.3	0	$295	$295.31	$0.01		
			ER	D6 Dozer - LGP	HOUR	10.00	65.88			1	5	50.0	0	0	0	0.0	0.0	0.0	0.0	3294.0	0.0	0.0	0.0	0.0	3294.0	0	$3,294	$3,294.00	$0.12		
			PI	D6 Dozer - LGP FOG	HOUR	9.00	30.81			1	5	45.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1386.6	$1,387	$1,386.56	$0.05		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	5	50.0	40.0	10	50.0	750.0	281.3	1,031.3	0.0	0.0	0.0	0.0	0.0	0.0	1031.3	0	$1,031	$1,031.25	$0.04		
			M	6-IN Rock - Delivered and Directly Placed	Ton	1.00	20.00			39,485	1	39485.2	0	0	0	0.0	0.0	0.0	0.0	0.0	789,703.2	0.0	0.0	0.0	789703.2	0	$789,703	$789,703.17	$29.73	$798,870	$30.08
11g	27,538	CY	**Construct Rock Blanket Cover**																												
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	10	100.0	0	0	0	0.0	0.0	0.0	0.0	3625.0	0.0	0.0	0.0	0.0	3625.0	0	$3,625	$3,625.00	$0.13		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	10	90.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1220.6	$1,221	$1,220.63	$0.04		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	100.0	80.0	20	100.0	1500.0	562.5	2,062.5	0.0	0.0	0.0	0.0	0.0	0.0	2062.5	0	$2,063	$2,062.50	$0.07		
			ER	D6 Dozer - LGP	HOUR	10.00	65.88			1	10	100.1	0	0	0	0.0	0.0	0.0	0.0	6591.3	0.0	0.0	0.0	0.0	6591.3	0	$6,591	$6,591.29	$0.24		
			PI	D6 Dozer - LGP FOG	HOUR	9.00	30.81			1	10	90.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		2774.5	$2,775	$2,774.51	$0.10		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	100.1	80.0	20	100.1	1500.8	562.8	2,063.5	0.0	0.0	0.0	0.0	0.0	0.0	2063.5	0	$2,064	$2,063.53	$0.07		
			M	3-in Rock - Delivered	Ton	1.00	20.00			38,553.2	1	38553.2	0	0	0	0.0	0.0	0.0	0.0	0.0	771,064.0	0.0	0.0	0.0	771064.0	0	$771,064	$771,064.00	$28.00	$789,400	$28.67
11h	12,875	CY	**Construct Embankment Toe Protectiion - Filter**																												
			ER	D6 Dozer - LGP	HOUR	10.00	65.88			1	4	40.0	0	0	0	0.0	0.0	0.0	0.0	2632.6	0.0	0.0	0.0	0.0	2632.6	0	$2,633	$2,632.56	$0.20		
			PI	D6 Dozer - LGP FOG	HOUR	9.00	30.81			1	4	36.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1108.1	$1,108	$1,108.14	$0.09		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	4	40.0	32.0	7.99	40.0	599.4	224.8	824.2	0.0	0.0	0.0	0.0	0.0	0.0	824.2	0	$824	$824.18	$0.06		
			ER	966 Wheel Loader	HOUR	10.00	50.74			1	4	40.0	0	0	0	0.0	0.0	0.0	0.0	2027.5	0.0	0.0	0.0	0.0	2027.5	0	$2,028	$2,027.51	$0.16		
			PI	966 Wheel Loader FOG	HOUR	9.00	26.53			1	4	36.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		954.2	$954	$954.17	$0.07		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	4	40.0	32.0	7.99	40.0	599.4	224.8	824.2	0.0	0.0	0.0	0.0	0.0	0.0	824.2	0	$824	$824.18	$0.06		
			M	Sand - Delivered and direct placed	Tons	1.00	20.00			19,312.5	1	19312.5	0	0	0	0.0	0.0	0.0	0.0	0.0	386,250.0	0.0	0.0	0.0	386250.0	0	$386,250	$386,250.00	$30.00	$394,620	$30.65
11i	260	CY	**Construct Tailings Cover Drainage Channel Filter**																												
			ER	D6 Dozer - LGP	HOUR	10.00	65.88			1	0.8	8.0	0	0	0	0.0	0.0	0.0	0.0	525.1	0.0	0.0	0.0	0.0	525.1	0	$525	$525.06	$2.02		
			PI	D6 Dozer - LGP FOG	HOUR	9.00	30.81			1	0.8	7.2	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		221.0	$221	$221.02	$0.85		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	0.8	8.0	6.4	1.59	8.0	119.6	44.8	164.4	0.0	0.0	0.0	0.0	0.0	0.0	164.4	0	$164	$164.38	$0.63		
			ER	950 Wheel Loader	HOUR	10.00	48.83			1	0.8	8.0	0	0	0	0.0	0.0	0.0	0.0	389.2	0.0	0.0	0.0	0.0	389.2	0	$389	$389.18	$1.50		
			PI	950 Wheel Loader FOG	HOUR	9.00	23.57			1	0.8	7.2	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		169.1	$169	$169.10	$0.65		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	0.8	8.0	6.4	1.59	8.0	119.6	44.8	164.4	0.0	0.0	0.0	0.0	0.0	0.0	164.4	0	$164	$164.38	$0.63		
			M	CDOT Type I Bedding - Delivered to Staging Area	Ton	1.00	17.00			243	1	242.7	0	0	0	0.0	0.0	0.0	0.0	0.0	4,125.3	0.0	0.0	0.0	4125.3	0	$4,125	$4,125.33	$15.87		
			M	CDOT Type II Bedding - Delivered to Staging Area	Ton	1.00	17.00			121	1	121.3	0	0	0	0.0	0.0	0.0	0.0	0.0	2,062.7	0.0	0.0	0.0	2062.7	0	$2,063	$2,062.67	$7.93	$7,821	$30.08
11j	770	CY	**Construct Tailings Cover Drainage Channel Rip-Rap**																												
			ER	318 Excavator	HOUR	10.00	54.69			1	0.9	8.8	0	0	0	0.0	0.0	0.0	0.0	482.9	0.0	0.0	0.0	0.0	482.9	0	$483	$482.91	$0.63		
			PI	318 Excavator FOG	HOUR	9.00	21.20			1	0.9	7.9	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		168.5	$169	$168.50	$0.22		
			L	Operator	HOUR	10.00	18.75	28.13	0.00	1	0.9	8.8	8.8	0	8.8	165.6	0.0	165.6	0.0	0.0	0.0	0.0	0.0	0.0	165.6	0	$166	$165.56	$0.22		
			ER	950 Wheel Loader	HOUR	10.00	48.83			1	0.9	8.8	0	0	0	0.0	0.0	0.0	0.0	431.2	0.0	0.0	0.0	0.0	431.2	0	$431	$431.17	$0.56		
			PI	950 Wheel Loader FOG	HOUR	9.00	23.57			1	0.9	7.9	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		187.3	$187	$187.35	$0.24		
			L	Operator	HOUR	10.00	18.75	28.13	0.00	1	0.9	8.8	8.8	0	8.8	165.6	0.0	165.6	0.0	0.0	0.0	0.0	0.0	0.0	165.6	0	$166	$165.56	$0.22		
			M	Rip-Rap (12-18-In)	Ton	1.00	20.00			1078	1	1078.0	0	0	0	0.0	0.0	0.0	0.0	0.0	21,560.0	0.0	0.0	0.0	21560.0	0	$21,560	$21,560.00	$28.00	$23,160	$30.08
	V		**Reclamation of Decommissioned Site**																												
12a	58	AC	**Site Grading (Mill & Ore Pad)**																												
			ER	14 Motor Grader	HOUR	10.00	65.70			1	12	115.1	0	0	0	0.0	0.0	0.0	0.0	7562.1	0.0	0.0	0.0	0.0	7562.1	0	$7,562	$7,562.07	$130.38		
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			1	12	103.6	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		2796.9	$2,797	$2,796.93	$48.22		
			L	Operator	HOUR	10.00	18.75	28.13	0.00	1	12	115.1	115.1	0	115.1	2158.1	0.0	2,158.1	0.0	0.0	0.0	0.0	0.0	0.0	2158.1	0	$2,158	$2,158.13	$37.21		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	12	115.1	0	0	0	0.0	0.0	0.0	0.0	4172.4	0.0	0.0	0.0	0.0	4172.4	0	$4,172	$4,172.38	$71.94		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	12	103.6	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1404.9	$1,405	$1,404.94	$24.22		
			L	Operator	HOUR	10.00	18.75	28.13	0.00	1	12	115.1	115.1	0	115.1	2158.1	0.0	2,158.1	0.0	0.0	0.0	0.0	0.0	0.0	2158.1	0	$2,158	$2,158.13	$37.21	$20,250	$349.14
12b	1	AC	**Site Grading (Roads)**																												
			ER	14 Motor Grader	HOUR	10.00	65.70			1	0.2	2.3	0	0	0	0.0	0.0	0.0	0.0	151.1	0.0	0.0	0.0	0.0	151.1	0	$151	$151.11	$125.93		
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			1	0.2	2.1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		55.9	$56	$55.89	$46.58		
			L	Operator	HOUR	10.00	18.75	28.13	0.00	1	0.2	2.3	2.3	0	2.3	43.1	0.0	43.1	0.0	0.0	0.0	0.0	0.0	0.0	43.1	0	$43	$43.13	$35.94		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	0.2	2.3	0	0	0	0.0	0.0	0.0	0.0	83.4	0.0	0.0	0.0	0.0	83.4	0	$83	$83.38	$69.48		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	0.2	2.1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		28.1	$28	$28.07	$23.40		
			L	Operator	HOUR	10.00	18.75	28.13	0.00	1	0.2	2.3	2.3	0	2.3	43.1	0.0	43.1	0.0	0.0	0.0	0.0	0.0	0.0	43.1	0	$43	$43.13	$35.94	$405	$337.50
12c	3	AC	**Site Grading (General Site)**																												
			ER	14 Motor Grader	HOUR	10.00	65.70			1	0.1	0.5	0	0	0	0.0	0.0	0.0	0.0	33.5	0.0	0.0	0.0	0.0	33.5	0	$34	$33.51	$12.89		
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			1	0.1	0.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		12.4	$12	$12.39	$4.77		
			L	Operator	HOUR	10.00	18.75	28.13	0.00	1	0.1	0.5	0.5	0	0.5	9.6	0.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0	$10	$9.56	$3.68		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	38.87			1	0.1	0.5	0	0	0	0.0	0.0	0.0	0.0	19.6	0.0	0.0	0.0	0.0	19.6	0	$20	$19.63	$7.55		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	0.1	0.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		6.2	$6	$6.16	$2.37		
			L	Operator	HOUR	10.00	18.75	28.13	0.00	1	0.1	0.5	0.5	0	0.5	9.5	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0	$9	$9.47	$3.64	$90	$34.62
13	61,820	CY	**Re-Topsoil All Remaining Areas**																												
			ER	966 Wheel Loader	HOUR	10.00	46.88			1	10	102.0	0	0	0	0.0	0.0	0.0	0.0	4783.6	0.0	0.0	0.0	0.0	4783.6	0	$4,784	$4,783.64	$0.08		
			PI	966 Wheel Loader FOG	HOUR	9.00	26.53			1	10	91.8	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		2436.5	$2,437	$2,436.52	$0.04		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	102.0	81.6	20.4	102.0	1530.6	574.0	2,104.6	0.0	0.0	0.0	0.0	0.0	0.0	2104.6	0	$2,105	$2,104.58	$0.03		
			ER	740D Ejector	HOUR	10.00	85.12			3	10	306.1	0	0	0	0.0	0.0	0.0	0.0	26056.9	0.0	0.0	0.0	0.0	26056.9	0	$26,057	$26,056.93	$0.42		
			PI	740D Ejector FOG	HOUR	9.00	37.47			3	10	275.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		10322.9	$10,323	$10,322.94	$0.17		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	3	10	306.1	244.9	61.2	306.1	4591.8	1,721.9	6,313.7	0.0	0.0	0.0	0.0	0.0	0.0	6313.7	0	$6,314	$6,313.73	$0.10		
			ER	Water Truck W/Canon (4,000 gl)	HOUR	10.00	36.25			1	10	102.0	0	0	0	0.0	0.0	0.0	0.0	3699.0	0.0	0.0	0.0	0.0	3699.0	0	$3,699	$3,698.95	$0.06		
			PI	Water Truck W/Canon (4,000 gl) FOG	HOUR	9.00	13.56			1	10	91.8	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1245.5	$1,246	$1,245.53	$0.02		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	102.0	81.6	20.4	102.0	1530.6	574.0	2,104.6	0.0	0.0	0.0	0.0	0.0	0.0	2104.6	0	$2,105	$2,104.58	$0.03		

PROJECT: Energy Fuels: Pinion Ridge Mill Closure
LOCATION: Montrose County Colorado
SCOPE: Scenario #2: Mill Decommissioning
PREPARER: CCB

ALPHA RESOURCE CODE
L = HOURLY LABOR | PI = PROJECT INDIRECTS
P = SALARIED LABOR | S = SUBCONTRACTORS
EO = EQUIPMENT | U = TAXES/INS.BONDS
ER = RENTED EQUIPMENT | M = MATERIALS

WBS Code	BID QNTY	ITEM UNIT	COST TYPE	RESOURCE DESCRIPTION	UNIT OF MEAS	HRS PER DAY	COST PER UNIT	LABOR OT $/HR	# OT HRS/ DAY	# OF RES.	# OF DAYS	TOTAL MEASR QTY	ST HR QTY	OT HR QTY	LABOR TOT	$ (000) ST	OT	DIRECT COST SUBTOTALS $ (000) HOURLY LABOR	OWNED EQUIP	RENTED EQUIP	TEMP MATL	SALARY LABOR	SBCNT COSTS	TAX/INS. BONDS	COST (000)	PROJ. INDIRECTS	SUBTOTAL	TOTAL COST	PER UNIT OF MEASURE	TOTAL TASK COST	TOTAL UNIT COST
			ER	14 Motor Grader	HOUR	10.00	62.76			1	10	102.0	0	0	0	0.0	0.0	0.0	0.0	6404.0	0.0	0.0	0.0	0.0	6404.0	0	$6,404	$6,404.03	$0.10		
			PI	14 Motor Grader FOG	HOUR	9.00	27.00			1	10	91.8	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		2479.6	$2,480	$2,479.57	$0.04		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	1	10	102.0	81.6	20.4	102.0	1530.6	574.0	2,104.6	0.0	0.0	0.0	0.0	0.0	0.0	2104.6	0	$2,105	$2,104.58	$0.03		
			ER	D6 Dozer XL	HOUR	10.00	65.88			2	10	204.1	0	0	0	0.0	0.0	0.0	0.0	13444.8	0.0	0.0	0.0	0.0	13444.8	0	$13,445	$13,444.79	$0.22		
			PI	D6 Dozer XL FOG	HOUR	9.00	31.58			2	10	183.7	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5800.4	$5,800	$5,800.36	$0.09		
			L	Operator	HOUR	10.00	18.75	28.13	2.00	2	10	204.1	163.3	40.8	204.1	3061.2	1,148.0	4,209.2	0.0	0.0	0.0	0.0	0.0	0.0	4209.2	0	$4,209	$4,209.15	$0.07	$93,510	$1.51
14a	34	AC	**Seed, Fertilize, Mulch Cell A**																												
			S	Hydroseeding	AC	1.00	2070.00			34	1	34.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70380.0	0.0	70380.0	0	$70,380	$70,380.00	$2,070.00	$70,380	$2,070
14b	71	AC	**Seed, Fertilize, Mulch Remaining Areas**																												
			S	Hydroseeding	AC	1.00	2070.00			71	1	71.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146970.0	0.0	146970.0	0	$146,970	$146,970.00	$2,070.00	$146,970	$2,070
15	1	LS	**CONSTRUCTION MANAGEMENT**								Yrs																				
			P	Supervisor	Yr	N/A	108000.00	0.00	0.00	1	2.7	2.7	2.7	0	2.7	291599.3	0.0	291,599.3	0.0	0.0	0.0	0.0	0.0	0.0	291599.3	0	$291,599	$291,599.28	$291,599.28		
			P	Assistant Supervisor	Yr	N/A	74250.00	0.00	0.00	1	2.7	2.7	2.7	0	2.7	200474.5	0.0	200,474.5	0.0	0.0	0.0	0.0	0.0	0.0	200474.5	0	$200,475	$200,474.51	$200,474.51		
			P	Administrator	Yr	N/A	54000.00	0.00	0.00	1	2.7	2.7	2.7	0	2.7	145799.6	0.0	145,799.6	0.0	0.0	0.0	0.0	0.0	0.0	145799.6	0	$145,800	$145,799.64	$145,799.64		
																														$637,875	$637,875
16	1.00	%	**BONDS**																												
				Project Bonds	1.00%		104,590.00																	104590.0	104590.0		$104,590	104,590.00		$104,590	
17	1	LS	**Post-Closure Monitoring & Maintenance**																												
			L	Operator / Utility	HOUR	10.00	18.75	28.13	0.00	1	624	6240.0	6240.0	0	6240.0	117000.0	0.0	117,000.0	0.0	0.0	0.0	0.0	0.0	0.0	117000.0	0	$117,000	$117,000.00	$18.75		
				Sampling																											
			PI	Groundwater	Yearly	0.00	12400.00			3	0	3.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		37200.0	$37,200	$37,200.00	$12,400.00		
			PI	Surface Water	Yearly	0.00	11200.00			3	0	3.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		33600.0	$33,600	$33,600.00	$11,200.00		
			PI	Air - PM 10	Yearly	0.00	3800.00			3	0	3.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		11400.0	$11,400	$11,400.00	$3,800.00		
			PI	Air - Hi Vol	Yearly	0.00	7800.00			3	0	3.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		23400.0	$23,400	$23,400.00	$7,800.00		
			PI	Radon Track Etch	Yearly	0.00	380.00			3	0	3.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1140.0	$1,140	$1,140.00	$380.00		
			PI	Gamma	Yearly	0.00	1120.00			3	0	3.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		3360.0	$3,360	$3,360.00	$1,120.00		
				Site Repair																											
			ER	D4 Dozer - LGP	HOUR	8.00	23.41			1	9.0	72.0	0	0	0	0.0	0.0	0.0	0.0	1685.5	0.0	0.0	0.0	0.0	1685.5	0	$1,686	$1,685.52	$23.41		
			PI	D4 Dozer - LGP FOG	HOUR	8.00	9.75			1	9.0	72.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		702.0	$702	$702.00	$9.75		
			S	Hydroseeding	AC	0.00	2400.00			1.5	1	1.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3600.0	0.0	3600.0	0	$3,600	$3,600.00	$2,400.00	$233,088	$233,088
18	1	LS	**Decommissioning of Monitoring Systems**																												
			S	Abaondon 16 Water Wells	LF	0.00	15.00			3660	0	3660.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54900.0	0.0	54900.0	0	$54,900	$54,900.00	$15.00		
			S	Demolish 2 Towers	CF	0.00	0.10			4680	0	4680.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	468.0	0.0	468.0	0	$468	$468.00	$0.10		
			S	Disposal of 2 Towers	CY	0.00	3.71			173	0	172	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	637.4	0.0	637.4	0	$637	$637.40	$3.71		
			S	Demolish 3 Platforms	CF	0.00	0.10			2160	0	2160.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	216.0	0.0	216.0	0	$216	$216.00	$0.10		
			S	Disposal of 3 Platforms	CY	0.00	3.71			80	0	80.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	296.8	0.0	296.8	0	$297	$296.80	$3.71		
			S	Demolish 2 Conex's	CF	0.00	0.10			3600	0	3600.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360.0	0.0	360.0	0	$360	$360.00	$0.10		
			S	Disposal of 2 Conex's	CY	0.00	3.71			133	0	133.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	493.4	0.0	493.4	0	$493	$493.43	$3.71		
			S	Topsoil	CY	0.00	1.51			370	0	370.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	558.7	0.0	558.7	0	$559	$558.70	$1.51		
			S	Hydroseeding	AC	0.00	2400.00			0.5	0	0.5	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1200.0	0.0	1200.0	0	$1,200	$1,200.00	$2,400.00	$59,130	$59,130
19	1	LS	**Site Monitoring & Maintenance**																												
			S	Site Monitoring & Maintenance	LS	1.00	$827,590			1	1	1.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	$827,590	0.0	$827,590	0	$827,590	$827,590.00	$827,590.00	$827,590	$827,590
20	1	LS	**State Administration Fee**																												
			S	State Administration Fee	LS	1.00	$214,860			1	1	1.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	$214,860	0.0	$214,860	0	$214,860	$214,860	$214,860	$214,860	$214,860
TOTAL																		**$2,026,343**	**$0**	**$1,577,499**	**$4,640,595**	**$0**	**$1,781,367**	**$104,590**	**$10,130,393**	**$1,768,089**	**$11,898,482**	**$11,898,481**		**$11,898,480**	

Attachment H

Project Summary By Task

COST SUMMARY BY TASK

Energy Fuels: Pinion Ridge Mill Closure
Scenario #2: Mill Decommissioning
10-Sep-09 02:55 PM

ITEM NUMBER	TASK DESCRIPTION	QUANTITY	UNIT OF MEASURE	SALARY PERSONNEL	HOURLY PERSONNEL	RENTED EQUIPMENT	OWNED EQUIPMENT	MATERIALS	SUBCONTRACTS	PROJECT INDIRECTS	TAXES, INS. AND BONDS	TOTAL PRICE	UNIT PRICE
1	Project Management, Engineering amd Overhead	1	LS							$720,412.00		$720,412	$720,412
2	Characterize / Identify Limits of Contamination	1	LS		$241,262.40			$18,000.00	$75,000.00			$334,262	$334,262
3a	Support Personnel Radiation Monitoring	1	LS		$315,900.34							$315,900	$315,900
3b	Sampling & Analyses	1	LS		$15,120.53				$248,829.84			$263,950	$263,950
4	Mobilization / Demobilization	1	LS						$38,880.00	$90,000.00		$128,880	$128,880
5	Decontaminate Mill Facility												
5a	Universal Decon Supplies	1	LS					$27,200.00				$27,200	$27,200
5b	Area 100: Ore Handling and Grinding Area Decontamination	1	LS		$1,122.00	$1,283.64			$1,034.82	$462.77		$3,903	$3,903
5c	Area 200: Leaching Tank Decontamination	1	LS		$1,122.00	$1,283.64				$462.77		$2,868	$2,868
5d	Area 300: CCD Thickner Area Decontamination	1	LS		$5,610.00	$6,418.21				$2,313.84		$14,342	$14,342
5e	Area 400 Uranium Solvent Extraction Train: Decontamination	1	LS		$3,366.00	$3,850.92				$1,388.31		$8,605	$8,605
5f	Area 500 Uranium Precipitation Decontamination	1	LS		$5,676.00	$5,134.57				$1,851.08		$12,662	$12,662
5g	Area 600: Vanadium Solvent Extraction / Oxidation Decontamination	1	LS		$2,838.00	$2,567.28				$925.54		$6,331	$6,331
5h	Area 700 Vanadium Precipitation Facility Decontamination	1	LS		$2,838.00	$2,567.28				$925.54		$6,331	$6,331
5i	Area 800: Reagents Unloading Bldg. & Warehouse Decontamination	1	LS		$1,419.00	$1,283.64				$462.77		$3,165	$3,165
5j	General Facility Universal Waste Removal & Disposal	1	LS		$2,887.50	$418.33			$826.65	$459.70		$4,592	$4,592
6	Dewater Tailings Cell A	1	LS		$159,139.95			$4,210.05				$163,350	$163,350
7	Re-grade Tailings Material in Tailings Cell A	1	LS		$3,093.75	$9,882.00				$5,473.88		$18,450	$18,450
8	Decommission and Place Mill Facility in Tailings Cell A	II											
8a	Decommission Mill Facility	100,000	CY										
8a1	Area 100 Demolition	1	LS		$14,572.00	$38,751.20				$17,664.84		$70,988	$70,988
8a2	Area 200 Demolition	1	LS		$18,558.00	$49,001.60				$22,668.12		$90,228	$90,228
8a3	Area 300 Demolition	1	LS		$10,929.00	$29,063.40				$13,248.63		$53,241	$53,241
8a4	Area 400 Demolition	1	LS		$23,197.50	$61,252.00				$28,335.15		$112,785	$112,785
8a5	Area 500 Demolition	1	LS		$18,558.00	$49,001.60				$22,668.12		$90,228	$90,228
8a6	Area 600 Demolition	1	LS		$16,393.50	$43,595.10				$19,872.95		$79,862	$79,862
8a7	Area 700 Demolition	1	LS		$13,918.50	$36,751.20				$17,001.09		$67,671	$67,671
8a8	Area 800 Demolition	1	LS		$10,929.00	$29,063.40				$13,248.63		$53,241	$53,241
8a9	Area 900 Demolition	1	LS		$37,373.43	$113,167.24				$51,215.66		$201,756	$201,756
8a10	Electrical De-energizing	1	LS						$80,000.00			$80,000	$80,000
8b	Transport, Place and Compact Mill Demolition Debris in Cell A	1	LS		$27,623.53	$97,828.19		$88,634.00		$41,045.68		$255,131	$255,131
8c	Place Ore Pad Materials in Cell A	14,520	CY		$3,590.74	$13,060.32				$5,308.59		$21,960	$1.51
8d	Strip & Place Mill Facility Soil in Tailings Cell A	12,227	CY		$3,169.65	$10,935.52				$4,384.50		$18,490	$1.51
8e	Strip & Place Other Onsite Soil in Tailings Cell A	11,657	CY		$2,876.77	$10,495.36				$4,267.63		$17,640	$1.51
8fa	Strip and Place Evaporation Pond Soils in Tailings Cell A (initial 4-Ponds)	85,000	CY		$51,246.68	$176,709.64				$78,045.32		$306,002	$3.60
8fb	Backfill With Clean Soil - Initial 4-Ponds	227,541	CY		$56,964.03	$197,944.73				$88,315.53		$343,224	$1.51
9	Construct Interim Fill Cover (2.0-ft)	94,560	CY		$22,741.76	$63,930.64				$57,325.25		$143,998	$1.52
10	Grout Seal Leak Detection System & Under-Drain	1,740	LF						$14,265.00			$14,265	$8.20
11a	Construct Radon Barrier Cover (4.6-ft - 7.0-ft)	362,640	CY		$83,620.62	$231,752.93				$232,726.82		$548,100	$1.51
11b	Construct Capilary Break	53,120	CY		$22,057.52	$63,527.46		$1,487,360.00		$24,797.53		$1,597,743	$30.08
11c	Construct Filter Layer Part of ET - 0.5-ft.)	26,560	CY		$11,028.77	$31,762.64		$743,680.00		$12,398.37		$798,870	$30.08
11d	Construct Bio-Intrusion Layer	53,120	CY		$10,884.94	$33,458.29		$296,745.32		$13,646.14		$354,735	$6.68
11e	Construct Erosion Barrier - Native Soil	79,680	CY		$20,224.68	$71,703.49				$28,581.52		$120,510	$1.51
11f	Construct Erosion Barrier - Rock Mulch	26,560	CY		$1,922.81	$5,252.91		$789,703.17		$1,989.80		$798,869	$30.08
11g	Construct Rock Blanket Cover	27,538	CY		$4,126.03	$10,216.29		$771,064.00		$3,995.14		$789,401	$28.67

COST SUMMARY BY TASK

Energy Fuels: Pinion Ridge Mill Closure
Scenario #2: Mill Decommissioning
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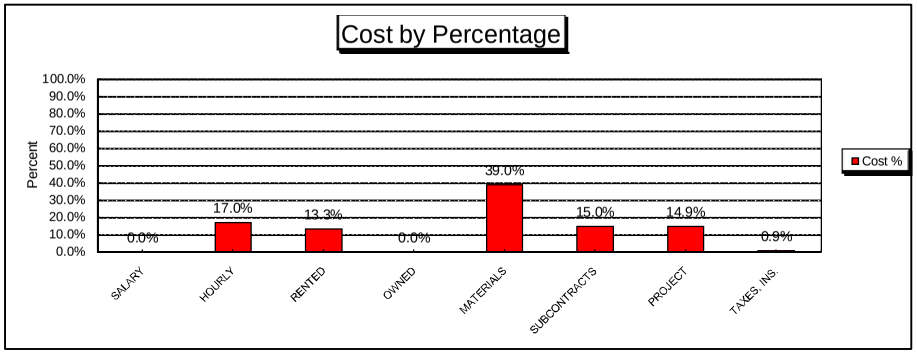
ITEM NUMBER	TASK DESCRIPTION	QUANTITY	UNIT OF MEASURE	SALARY PERSONNEL	HOURLY PERSONNEL	RENTED EQUIPMENT	OWNED EQUIPMENT	MATERIALS	SUBCONTRACTS	PROJECT INDIRECTS	TAXES, INS. AND BONDS	TOTAL PRICE	UNIT PRICE
11h	Construct Embankment Toe Protectiion - Filter	12,875	CY		$1,648.35	$4,660.07		$386,250.00		$2,062.31		$394,621	$30.65
11i	Construct Tailings Cover Drainage Channel Filter	260	CY		$328.76	$914.24		$6,188.00		$390.12		$7,821	$30.08
11j	Construct Tailings Cover Drainage Channel Rip-Rap	770	CY		$331.13	$914.08		$21,560.00		$355.85		$23,161	$30.08
	Reclamation of Decommissioned Site												
12a	Site Grading (Mill & Ore Pad)	58	AC		$4,316.25	$11,734.45				$4,201.87		$20,253	$349
12b	Site Grading (Roads)	1	AC		$86.25	$234.49				$83.96		$405	$337
12c	Site Grading (General Site)	3	AC		$19.03	$53.14				$18.56		$91	$34.89
13	Re-Topsoil All Remaining Areas	61,820	CY		$16,836.60	$54,388.34				$22,284.92		$93,510	$1.51
14a	Seed, Fertilize, Mulch Cell A	34	AC						$70,380.00			$70,380	$2,070
14b	Seed, Fertilize, Mulch Remaining Areas	71	AC						$146,970.00			$146,970	$2,070
	Professional Services												
15	CONSTRUCTION MANAGEMENT	1	LS		$637,873.43							$637,873	$637,873
16	BONDS	1	%								$104,590.00	$104,590	$104,592
17	Post-Closure Monitoring & Maintenance	1	LS		$117,000.00	$1,685.52			$3,600.00	$110,802.00		$233,088	$233,088
18	Decommissioning of Monitoring Systems	1	LS						$59,130.33			$59,130.33	$59,130
19	Site Monitoring & Maintenance	1	LS						$827,590.00			$827,590	$827,590
20	State Administration Fee	1	LS						$214,860.00			$214,860	$214,860
TOTAL PROJECT DIRECT COSTS BY CATEGORY					**$2,026,343**	**$1,577,499**		**$4,640,595**	**$1,781,367**	**$1,768,089**	**$104,590**	**$11,898,482**	
PERCENT OF TOTAL					17.0%	13.3%		39.0%	15.0%	14.9%	0.9%