



United States Department of the Interior

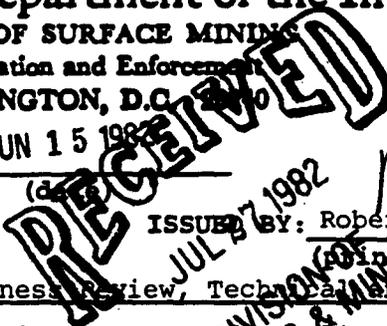
OFFICE OF SURFACE MINING  
Reclamation and Enforcement  
WASHINGTON, D.C. 20540

S. Bramson  
Info  
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0018



JUN 15 1982



SOLICITATION NO. HDG-006

ISSUED BY: Robert L. Carpenter

(Signature name & signature)

PROJECT TITLE: Apparent Completeness Review, Technical and Environmental

Analysis, and Mine Plan Decision Document for Selina Complex, Valley Camp Coal Company, Carbon County, Utah

Gentlemen:

This is a solicitation for competitive bid for a Task Order under your contract with the Office of Surface Mining for the project entitled, "TECHNICAL ASSISTANCE RELATED TO THE SURFACE MINING CONTROL AND RECLAMATION ACT AND NEPA COMPLIANCE PROGRAMS."

You are requested to review the requirements of this solicitation and submit your offer to the address below no later than the date and time specified herein. To be considered for award, an offer must address all items of work contained herein, and pricing must conform to the itemized format set forth on the Task Order cover sheet which corresponds generally to the phases in the Statement of Work.

Award may be made without discussion of bids received. Therefore your offer should contain the most favorable terms which can be offered to the Government.

This solicitation does not commit the Government to award a Task Order nor to pay any costs associated with the preparation or submittal of an offer, nor to procure or contract for the services or supplies.

The Government reserves the right to reject any or all offers; to negotiate separately with any offeror; and to make a single, multiple, or partial award.

External marking of proposal packages submitted in response to this solicitation shall be substantially as follows:

TO BE OPENED ONLY BY ADDRESSEE

Sarah Bramson  
Office of Surface Mining  
Western Technical Center  
Brooks Towers, Second Floor  
1020 Fifteenth Street  
Denver, Colorado 80202

Five (5) signed originals of an offeror's proposal shall be submitted so as to reach the above address before 1:00 p.m., prevailing time on JUN 30 1982.

Inquiries of a technical nature relative to this solicitation should be directed to Sarah Bramson at telephone (303) 837-5656. Due to the limited quantities of mine plans available for contractors' review in the pricing process, an offeror must arrange for a review appointment on a first-come-first-served basis with the above named individual. Inquiries of an administrative nature should be directed to the Contracting Officer in the Branch of Procurement, Washington, D.C. at telephone (202) 343-4685.

SPECIAL INSTRUCTIONS TO OFFERORS

SOLICITATION NO: HDQ-006

1. A copy of the mining and reclamation plan listed under Item 1 in the task order will be available for review between the hours of 8:30 a.m. and 4:30 p.m. at the address listed below. Due to limited available copies of the mining and reclamation plan, each bidder should contact Sarah Bramson at (303) 837-5656 for an appointment to review the mine plan. In addition, one copy of each of the following documents will be available for review:
  - a. March 13, 1979, Federal Register
  - b. Decisions Document Guidance Handbook
  - c. Copy of a recent TEA
  - d. OSM's NEPA Compliance Handbook
  - e. Utah's State Program

Office of Surface Mining  
Western Technical Center  
Brooks Tower  
1020 Fifteenth Street  
Denver, Colorado 80202
2. Prospective bidders for this solicitation should use a format similar to Attachment B as supporting documentation to be submitted with the bid.
3. Pricing for this task order solicitation shall be on a total, firm, fixed-price basis, with no cost-reimbursement elements.
4. Prospective bidders for this solicitation should submit supporting documentation reflecting price by level of effort and cost by discipline with the bid.
5. Prospective bidders must supply services in the following disciplines of earth and life sciences: mining engineering, civil engineering, geology, surface and groundwater hydrology, soil science, air quality, blasting, fish and wildlife management, plant ecology/rangemanagement and cultural resources. The bidder shall demonstrate with detailed supporting material, the experience of the project leader and key personnel to be assigned to this project in the above mentioned technical disciplines and their respective proposed levels of effort.
6. An offer shall consist of the following materials:
  - a. Task Order Cover Sheet (signature page) with Statement of Work (5 copies)
  - b. Supporting price documentation per paragraph 4 above (1 copy)
7. It is recommended that all offerors review the "Organizational Conflicts of Interest" clause (H-17) of their respective basic contract under which this task order solicitation has been issued. Also, it would be advisable to review Exhibit F entitled "Position Paper: Guidelines to Avoid Conflicts of Interest by Contractors Participating in the Review of Mining and Reclamation Plans and Associated NEPA Compliance" contained in the Request for Proposals No. J5110036 dated June 20, 1981 under which the basic contract was awarded.
8. While the Government reserves certain rights as set forth in the fifth paragraph of this solicitation cover letter (preceding page), it is expected that task order award will be made to the low bidder whose bid contains the lowest aggregate sum for all bid items listed on the Task Order signature page.

(Contracting Officer shall complete)  
 U. S. Department of the Interior  
 Office of Surface Mining

**T A S K O R D E R**  
 SOLICITATION NO. HDQ-006,  
 OFFER, AND AWARD

(Contractor shall complete)  
 Contractor Name & Address:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Contract No. \_\_\_\_\_  
 Task Order No. \_\_\_\_\_  
 Amendment No. \_\_\_\_\_

**PART A (Initiator shall complete Blocks 1 through 4b)**

<b>1. Govt Technical Project Officer (TPO):</b> Sarah Bramson Telephone: ( 303 ) 837-5656		<b>2. OSM Program Coordinator:</b> John Lovell Telephone: ( 202 ) 343- 5854		<b>3. T.O. Performance Period:</b> 12 weeks	
		<b>5. NOT TO EXCEED AMOUNTS</b>			
<b>4a. Item No.</b>	<b>4b. Description of Services</b>	<b>Firm Fixed Price</b>	<b>Reimbursible Cost</b>	<b>Total</b>	
	Technical Review Assistance Related to Mining and Reclamation Plan (MRP) for Belina Complex, Valley Camp Coal Company, Carbon County, Utah			(Contractor shall complete)	
1	Apparent Completeness Review of MRP	\$	XXXXXXXXXX	\$	
2	Technical and Environmental Analysis of MRP	\$	XXXXXXXXXX	\$	
3	Preparation of Specific Elements of the Mine Plan Decision Document	\$	XXXXXXXXXX	\$	
(Work shall not commence until authorized by Contracting Officer.)					
<b>6.</b>	<b>Totals</b>	<b>\$</b>	<b>XXXXXXXXXX</b>	<b>\$</b>	

**PART B (Contractor shall complete this Part and sign in Part D below.)**

<b>1. Contractor Task Manager :</b>	<b>2. This offer is made in accordance with Contract No.</b> _____
Telephone: ( )	<b>3. Remarks:</b>

**PART C (Contracting Officer shall complete this Part)**

<b>1. Accepted pursuant to:</b>	
<b>2. Accepted Task Order Amount:</b>	<b>3. Accounting &amp; Appropriation Data:</b>
<b>4. Task Order Effective Date:</b>	<b>5. Task Order Completion Date:</b>
<b>6. Special Conditions/Remarks:</b> <i>The individual named in PART A, Block 1 is hereby designated as Technical Project Officer/ Contracting Officer's Representative for this Task Order in accordance with the Article of the Basic Contract entitled "Technical Project Officer."</i>	

**PART D - Signatures (Contracting Officer shall receive five (5) signed originals.)**

	<b>1. Contractor</b>	<b>2. OSM Program Coordinator</b>	<b>3. Contracting Officer</b>
<b>Name</b>			
<b>Signature</b>		*	
<b>Date</b>			

\* Signatory hereby indicates that the Contractor's proposed cost/price has been reviewed and is considered fair and reasonable.

Contract Number \_\_\_\_\_

Task Order Number \_\_\_\_\_

STATEMENT OF WORK: APPARENT COMPLETENESS REVIEW, TECHNICAL AND ENVIRONMENTAL ANALYSES, AND ELEMENTS OF THE MINE PLAN DECISION DOCUMENT FOR THE BELINA MINE COMPLEX, VALLEY CAMP COAL COMPANY, CARBON COUNTY, UTAH

A. Background

Valley Camp submitted its mine plan in February, 1981 to comply with OSM and State permanent program requirements. The applicant desires to expand its operations into Federal coal. In order to meet Federal and State law, the company is to submit the required information to complete its mine plan application by May 31, 1982. Diligent efforts are to be made by all parties to complete the assessment of the mine plan so that a Secretarial Decision can be made on the permit by the end of 1982. Therefore, the contractor, as well as OSM and the State DOGM will be under an intense schedule for accomplishing this task.

B. Objective

1. This task order provides for the written determination of apparent completeness; completion of a technical environmental assessment (TEA); and development of elements for a mine plan Decision Package of the following mining and reclamation plan (MRP) for the development of Federal coal:

Belina No. 1 (UT-0013), Belina No. 2 (UT-0049), and Utah No. 2 (UT-0012) [herein referred to as the "Belina Complex"]: Valley Camp of Utah, Carbon County, Utah.

2. All terms and conditions of the contract shall be incorporated in this task order. The contractor shall furnish all personnel, facilities, and equipment necessary to perform the work described herein.

3.a. Phase I: The contractor shall make a determination of apparent completeness of the MRP identified in part B.1. of this statement of work. This will be accomplished by reviewing the applicant's responses to the Apparent Completeness Review (ACR) and providing a written report on the adequacy of the submitted information and a list of remaining information deficiencies. The report shall cite specific sections of the MRP and the applicant's ACR response in order to document completeness. The letter and list of deficiencies sent on October 20, 1981 by the Utah Division of Oil, Gas and Mining (DOGM) to the applicant shall be used as guidance in determining apparent completeness. The applicant's responses to the Utah DOGM ACR will be available through OSM. The applicant will have the opportunity to respond to the contractor's list of deficiencies; therefore, a second review period may be held for the applicant to answer all remaining deficiencies.

The process is designed to be accomplished in a short time period, however, this phase of the task is to include an analysis sufficiently thorough with regard to the technical adequacy of the MRP to allow a Phase II evaluation of compliance with the approved Utah State Program and those of Subchapter K of the regulatory program issued under the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The review shall be organized to conform with the requirements of the approved Utah program, Attachment B.

3.b. The check for apparent completeness shall be accomplished by utilizing: Attachment B; the Utah permanent program regulations; and OSM's permanent program requirements contained in Subchapter D, Federal Register, March 13, 1979.

3.c. The contractor shall report the results of the determination of apparent completeness in a final report. The final report must identify all remaining deficiencies in the MRP and recommend the type of studies and/or data necessary to complete the plan in conformance with appropriate regulations.

4.a. Phase II: The contractor shall prepare a TEA for the MRP identified in part B.1. of this statement of work. This phase of the task order shall only begin after a determination of apparent completeness from Phase I has been made by OSM/DOGM and notification by the OSM Technical Project Officer to proceed with Phase II. The TEA shall be written according to the outline and format of Introduction to OSM Technical and Environmental Assessment of Mine Plans (March, 1981 October, 1981) Supplemental Attachment C.

4.b. The purpose of the technical analysis part of the Attachment C outline (items A-G) is to evaluate in an appropriately detailed, technical manner, the adequacy of the MRP in terms of environmental protection requirements and to determine compliance with the bonding requirements (30 CFR 800), environmental protection performance standards of 30 CFR 816, the special performance standards of 30 CFR 818-828, the Utah Coal Mining and Reclamation Permanent Program (promulgated under UCA 40-10-1 et. seq.), and the regulations applicable to the coal lease. For cultural resources the performance standard is 30 CFR 810(2)(h). In addition, the analysis is to evaluate the adequacy of the applicant's bonding proposal.

Descriptions of the existing environment shall be concise, nonduplicative, and consistent. The analysis should reference appropriate sections of the MRP in demonstrating compliance or non-compliance with the performance standards, bonding and cultural resource requirements. The applicant's calculations shall be reviewed and checked using an acceptable and documented method. If inadequate data are provided in the application to determine how conclusions were reached, the data required shall be specifically identified and given to OSM's Technical Project Officer to forward to the State and the applicant. Where an MRP does not appear to comply with the regulations, draft stipulations shall be prepared by the contractor. The contractor shall analyze the proposal and cite appropriate sections of the MRP in a manner which enables OSM and Utah DOGM to efficiently compare the applicant's proposal and any draft stipulations with the regulations. The results of the evaluation will assist OSM and Utah DOGM in determining substantive compliance. Draft findings of compliance with applicable regulations shall be made by the contractor in the TEA report; however, OSM and Utah DOGM will make all final determinations of compliance.

4.c. The environmental analysis portion of the TEA (Attachment C items H, I, J and K) shall be an in-depth evaluation of environmental impacts that would occur from any action the Department may take on the mining operation, including any proposed OSM and State DOGM stipulations in the approval alternative. The analysis shall be in sufficient detail for OSM to determine the magnitude and duration and, thereby, the significance of

pertinent previous environmental documents, such as regional and site-specific environmental impact statements (available through OSM), and reference these when necessary. The analysis shall be concise and as quantitative as is reasonable, and shall include an evaluation of impacts occurring both during and after mining. In each of the impact sections, (e.g., vegetation and wildlife), the contractor should cite any previous environmental documents (regional or site-specific) relating to that particular section. In evaluating the impacts, the contractor should consider impacts relating to specific disciplines as well as the relationships and interactions among the various disciplines (e.g. how an impact to hydrology may affect soils, vegetation or wildlife). The contractor shall consider cumulative impacts in the analysis, i.e., the impacts to air quality, hydrology, wildlife, etc., of adding the proposed mining operation to other mines in the area.

Impacts discussed can be beneficial as well as adverse. In addition, the contractor shall prepare a description of the proposed action on the MRP (Attachment D, item H), the impacts of the proposed action (item I), alternative actions (item J), and the environmental impacts of alternatives (item K). Outlined items H and J shall present mitigative measures other than those required by the Surface Mining Control and Reclamation Act of 1977 (SMCRA), the regulations, or other Federal laws. For example, the environmental analysis may consider measures that lessen the noise impact on a community located near the mining operations. Although specific mitigation measures are not required by SMCRA or any other Federal law, identification of mitigation measures is required by the National Environmental Policy Act (NEPA) and subsequent regulations (40 CFR 1500, et. seq.). All measures resulting in fewer adverse impacts should, therefore, be considered in the analysis. The analysis shall be used by the contractor to prepare the introductory portion of the TEA (see 4.e below).

4.d. The contractor will not be required to assess potential socio-economic impacts or the recovery of coal as this will be done by OSM and Minerals Management Service respectively. In addition, the contractor shall not access the underground mining operation as this will be done by MSHA or other appropriate agencies.

4.e. The introduction to the TEA shall utilize Attachment C and shall include a summary of OSM's proposed action, the regulations with which this action is in compliance, and the way in which this action differs from the applicant's proposal.

The contractor shall include a section on the purpose of and need for action.

The introduction shall also include alternatives (including the proposed Departmental action); such as approval, approval with stipulations required to bring the plan into compliance with SMCRA, disapproval, and no action, and supporting documentation for each alternative. The impacts of each alternative shall be discussed.

5.a. Phase III: The contractor shall prepare specific elements of the Mine Plan Decision Document. These elements shall consist of:

1. Assembling the permit and special stipulations as provided by OSM;

2. Preparing the "Chronology of Events";
3. Preparing location maps and completing the "Mine Plan Information Form."

5.b. Phase III shall be initiated only after notification to proceed is given by the Technical Project Officer. Elements of previous Decision Packages will be provided by OSM to aid the contractor with Phase III.

C. Special Instructions

1. During the period of this task order, the contractor shall not contact the applicant directly. The contractor may contact the State directly; however, all conversations and/or inquiries shall be documented by the contractor. All requests to the applicant will be made through OSM. The contractor will not release the MRP, any information contained within the plan, or the results of any analysis without consent of OSM's Technical Project Officer (TPO).
2. The emphasis of the TEA is on objective analysis and logical development of conclusions. All conclusions must be supported by references, including the MRP, data, and other sources of information. If a conclusion is based on the knowledge and experience of the professional staff, this shall be stated in the analyses.
3. OSM will make every effort to identify specific elements of the MRO that will require specialized analysis. The areas of particular concern in this MRP are ground and surface hydrology, subsidence, soils, vegetation, wild-life, land use, reclamation, mining engineering and civil engineering. The TEA must contain an analysis of the probable cumulative hydrologic impacts of all anticipated mining and reclamation operations in the area on the hydrologic balance. The assessment should analyze both the quality and quantity of water. The TPO will provide the list of operations which should be considered in this evaluation.
4. Contractor will complete Mine Plan Information form as noted as Attachment "A".
5. It is the contractor's responsibility to ensure that the analytical procedures used by the applicant are accurately stated, that assumptions are identified, that all calculations are included, and that conclusions are logically drawn. The methods of checking the applicant's data shall be identified.
6. A copy of all known environmental impact statements covering the Belina Complex will be made available to the contractor by OSM. These documents should be used as reference material during the development of the environmental assessment.
7. A briefing session shall be held in the contractor's office prior to initiation of Phase I. A site visit may be required as arranged by the TPO. One meeting will be held in Salt Lake City during Phase I to clarify remaining deficiencies with the contractor, OSM, the State and the applicant. One meeting shall be held early in Phase II of the project in Salt Lake City at a date and time to be determined by the TPO. The purpose of the meeting will be to discuss remaining deficiencies in the mining and reclamation plan and to provide direction from OSM for the draft TEA.

D. Reporting Requirements

1. Written technical progress reports shall be prepared in accordance with Article II.A.1. of the contract and submitted to the Technical Project Officer (TPO) and the OSM Program Coordinator. In addition, the contractor shall contact the OSM TPO on at least a weekly basis to discuss progress and problems encountered. The contractor shall contact the TPO regarding all questions concerning the mining and reclamation plan review process. The contractor shall send the TPO copies of phone logs related to this task order at the end of each week.

2. OSM's Technical Project Officer (TPO), located in the Western Technical Center, is: Sarah Bransom, Office of Surface Mining, Western Technical Center, Brooks Towers, 1020 Fifteenth Street, Denver, Colorado 80202, telephone (303) 837-5656.

3. The following time schedule is for a draft final report of the determination of apparent completeness (or incompleteness) (Phase I,) submission of draft and final reports of the TEA (Phase II), and submission of elements for the Mine Plan Decision Package (Phase III). The performance period is given in weeks from formal notice to proceed for the Draft and Final reports for each phase.

	<u>Draft</u>	<u>Final</u>
Phase I:	None	2 weeks
Phase II:	6 weeks	3 weeks
Phase III:	None	1 week

4. The following reporting requirements and procedures for Phase I shall be used by the contractor. If the revised MRP is considered apparently complete, the contractor shall notify the TPO by telephone. The telephone notification shall be followed immediately by a written report per item D.6.. If the revised MRP is not complete, the contractor shall notify the TPO by telephone to be followed within one week by a written report. The report must identify all deficiencies in the revised MRP and recommend the type of studies and/or information necessary to complete the plan.

5. Upon completion of the OSM review of the Phase II draft report, the TPO will contact the contractor to discuss the report. The contractor shall revise the draft report as required by the TPO, and shall prepare and submit a final report within three weeks of notice to proceed by the TPO.

6. The contractor shall provide the TPO with five copies of each required report (Completeness Document, Draft and Final TEA) with one copy to be unbound and not on corporate letterhead. In addition, one copy of each report shall be provided to the OSM program coordinator and to the contracting officer.

MINE PLAN INFORMATION

OSM ID: \_\_\_\_\_

Mine Name \_\_\_\_\_ New/Existing \_\_\_\_\_ State \_\_\_\_\_ County \_\_\_\_\_

Operator \_\_\_\_\_ Controlled By \_\_\_\_\_

Mining Method: \_\_\_\_\_ Federal Lease Nos.: \_\_\_\_\_  
 (Legals on attached map)

Ownership Data:

<u>Surface Resources (Acres)</u>	<u>Existing Permit Area</u>	<u>Proposed Permit Area</u>	<u>Total Life of Mine Area</u>
Federal	_____	_____	_____
State	_____	_____	_____
Private	_____	_____	_____
<b>TOTAL</b>	_____	_____	_____

Coal Ownership (Acres)

Federal	_____	_____	_____
State	_____	_____	_____
Private	_____	_____	_____
<b>TOTAL</b>	_____	_____	_____

Coal Resource Data

	<u>Federal</u>	<u>State</u>	<u>Private</u>	<u>Total</u>
Total Reserves	_____	_____	_____	_____
Total Recoverable Reserves	_____	_____	_____	_____

Recoverable Reserve Data

	<u>Name</u>	<u>Thickness</u>	<u>Ash</u>	<u>Sulfur</u>	<u>Moisture</u>	<u>BTU</u>
Seam	_____	_____	_____	_____	_____	_____
Seam	_____	_____	_____	_____	_____	_____
Seam	_____	_____	_____	_____	_____	_____
Seam	_____	_____	_____	_____	_____	_____

Average annual production \_\_\_\_\_ Percent recovery \_\_\_\_\_  
 Mine life \_\_\_\_\_ Date-Production begins \_\_\_\_\_ Reaches annual rate \_\_\_\_\_ Ends \_\_\_\_\_  
 Reserves recoverable by (1) Surface mining \_\_\_\_\_ (2) Underground mining \_\_\_\_\_  
 Reserves lost thru management decision \_\_\_\_\_  
 Coal market \_\_\_\_\_

AREA OF DISTURBANCE

<u>Mine (Acres)</u>	<u>Federal</u>	<u>State</u>	<u>Private</u>	<u>Total</u>	<u>Potential for Significant impact</u>		<u>Mitigation Measure Required</u>		<u>In Compliance</u>	
					<u>Yes<sup>1/</sup></u>	<u>No<sup>2/</sup></u>	<u>Yes</u>	<u>No</u>	<u>Yes</u>	<u>No</u>
Existing Permit Area	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
MPR Area	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
<u>Mine Facilities (Acres)</u>	_____	_____	_____	_____						
Existing (1)	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
(2)	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
New (1)	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
(2)	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Total	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
					<u>Total Acres</u>					
<u>Rights of Way (Miles)</u>	<u>Federal</u>	<u>State</u>	<u>Private</u>	<u>Total</u>						
Haul Roads Existing	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
New	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Rail Line Existing	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
New	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Pipeline Existing	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
(3 ac/mi) New	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Conveyor Belt Existing	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
(3 ac/mi) New	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Power line Existing	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
New	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Telephone Line Existing	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
New	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

(Width in ft. x length in miles - 8.25 = Acres)

<sup>1/</sup> Requires no further environmental documentation

<sup>2/</sup> Requires a complete analysis which indicates significance to local and region

				Potential for Significant impact		Mitigation Measure Required		In Compliance	
				Yes <sup>1/</sup>	No <sup>2/</sup>	Yes	No	Yes	No
<u>EMPLOYMENT</u>									
Mine Operation	Existing	_____	New	_____	Total	_____			
Construction	Existing	_____	New	_____	Total	_____			
<b>Total</b>	Existing	_____	New	_____	Total	_____			
Secondary employment multiplier _____ Total _____									
Source of new employees - Local _____ Import _____									

<u>TRANSPORTATION</u>									
Average number trucks per day	Existing	_____	New	_____	Total _____ x 2 = _____				
Average unit trains per day	Existing	_____	New	_____	Total _____ x 2 = _____				

<u>EXISTING LAND USE</u>									
Grazing - Acres/ALM _____		No. of operators _____		No. of allotments _____					
<u>Operator</u>	<u>ALM of allotment</u>	<u>ALM's lost</u>	<u>No. of years</u>	<u>Total ALM loss</u>					
_____	_____	_____	_____	_____					
_____	_____	_____	_____	_____					
_____	_____	_____	_____	_____					

<u>Agriculture</u>										
<u>Cereal Grains</u>	<u>Acres</u>	<u>Bu./acre</u>	<u>Total</u>	<u>Acres Disturbed</u>	<u>Annual Production Loss</u>	<u>Total Production Loss</u>				
_____	_____	_____	_____	_____	_____	_____				
_____	_____	_____	_____	_____	_____	_____				
_____	_____	_____	_____	_____	_____	_____				
<u>Hay</u>	_____	_____	_____	_____	_____	_____				

**Fish and Wildlife**

Species	Population		Habitat (acres or miles of stream)	
	Regional	Mine Site	Regional	Mine Site
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Potential for Significant Impact		Mitigation Measure Required		In Compliance	
Yes <sup>1/</sup>	No <sup>2/</sup>	Yes	No	Yes	No
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

**POST MINING LAND USE**

Surface Managing Agency \_\_\_\_\_  
 Surface Owner \_\_\_\_\_  
 Land Form \_\_\_\_\_

Plant Species	Plant Density	% of Mixture	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

## PHASE I

## APPARENT COMPLETENESS REVIEW

AREA	FIXED HOURLY RATES	HOURS	COSTS
<hr/>			
<u>MINING ENGINEER</u>			
SENIOR ENGINEER			
ENGINEER			
			SUBTOTAL
<u>GEOLOGY</u>			
SENIOR ANALYST I			
ANALYST I			
ANALYSTS II			
			SUBTOTAL
<u>SURFACE WATER HYDROLOGY</u>			
SENIOR ANALYST I			
SENIOR ANALYST II			
ANALYST I			
ANALYSTS II			
			SUBTOTAL
<u>GROUNDWATER HYDROLOGY</u>			
SENIOR ANALYST I			
SENIOR ANALYST II			
ANALYST I			
ANALYSTS II			
			SUBTOTAL
<u>AIR QUALITY</u>			
ANALYST I			
SENIOR SCIENTIST			
SCIENTIST			
			SUBTOTAL
<u>ARCHEOLOGY</u>			
ARCHEOLOGIST			
			SUBTOTAL
<u>FISH AND WILDLIFE MANAGEMENT</u>			
SENIOR ANALYST II			
ANALYST I			
SENIOR ANALYST			
SCIENTIST			
			SUBTOTAL

## PHASE I

## APPARENT COMPLETENESS REVIEW (Cont'd)

<u>AREA</u>	<u>FIXED HOURLY RATES</u>	<u>HOURS</u>	<u>COSTS</u>
<u>RANGE MANAGEMENT</u>			
SENIOR SCIENTIST			
SCIENTIST			
			SUBTOTAL
<u>AGRICLTURAL RFSOURCES</u>			
SENIOR SCIENTIST			
SCIENTIST			
			SUBTOTAL
<u>SOIL SCIENCE</u>			
SCIENTIST			
			SUBTOTAL
<u>SOCIOECONOMICS</u>			
SENIOR ANALYSIST			
ANALYST			
			SUBTOTAL
<u>MANAGEMENT</u>			
SENIOR MANAGEMENT			
MANAGEMENT			
SECRETARIAL			
			SUBTOTAL
<u>OTHER COSTS</u>			
Travel			
Per diem			
Telephone			
Copying			
			SUBTOTAL
			TOTAL PROJECT COST:

## PHASE II

## TECHNICAL AND ENVIRONMENTAL ANALYSIS

AREA	FIXED HOURLY RATES	HOURS	COSTS
<u>MINING ENGINEER</u>			
SENIOR ENGINEER			
ENGINEER			
			SUBTOTAL
<u>GEOLOGY</u>			
SENIOR ANALYST I			
ANALYST I			
ANALYSTS II			
			SUBTOTAL
<u>SURFACE WATER HYDROLOGY</u>			
SENIOR ANALYST I			
SENIOR ANALYST II			
ANALYST I			
ANALYSTS II			
			SUBTOTAL
<u>GROUNDWATER HYDROLOGY</u>			
SENIOR ANALYST I			
SENIOR ANALYST II			
ANALYST I			
ANALYSTS II			
			SUBTOTAL
<u>AIR QUALITY</u>			
ANALYST I			
SENIOR SCIENTIST			
SCIENTIST			
			SUBTOTAL
<u>ARCHEOLOGY</u>			
ARCHEOLOGIST			
			SUBTOTAL
<u>FISH AND WILDLIFE MANAGEMENT</u>			
SENIOR ANALYST II			
ANALYST I			
SENIOR ANALYST			
SCIENTIST			
			SUBTOTAL

PHASE II

TECHNICAL AND ENVIRONMENTAL ANALYSIS (Cont'd)

AREA	FIXED HOURLY RATES	HOURS	COSTS
<u>RANGE MANAGEMENT</u>			
SENIOR SCIENTIST			
SCIENTIST			
			SUBTOTAL
<u>AGRICLTURAL RFSOURCES</u>			
SENIOR SCIENTIST			
SCIENTIST			
			SUBTOTAL
<u>SOIL SCIENCE</u>			
SCIENTIST			
			SUBTOTAL
<u>SOCIOECONOMICS</u>			
SENIOR ANALYSIST			
ANALYST			
			SUBTOTAL
<u>MANAGEMENT</u>			
SENIOR MANAGEMENT			
MANAGEMENT			
SECRETARIAL			
			SUBTOTAL
<u>OTHER COSTS</u>			
Travel			
Per diem			
Telephone			
Copying			
			SUBTOTAL
			TOTAL PROJECT COST:

PHASE III  
MINING AND RECLAMATION DECISION PACKAGE

	FIXED HOURLY RATES	HOURS	COSTS
SENIOR MANAGEMENT			
PROCESS ANALYSIST			
SECRETARY			
			SUBTOTAL
<u>OTHER COSTS</u>			
- XEROX			
- TELEPHONE			
- OTHER			
TOTAL PROJECT COST:			