

C/007/0005
Task ID #4756
Received 12/5/14

December 5, 2014

Mr. Daron R. Haddock
Coal Program Manager
Division of Oil, Gas, and Mining
1594 West North Temple
Salt Lake City, Utah 84114-5801

RE: Response to Midterm Permit Review, Canyon Fuel Company, LLC, Skyline Mine, C/007/005,
Task ID # 4657

Dear Daron:

Attached to this letter are completed C1 and C2 forms that outline modifications to the Skyline Mine M&RP addressing deficiencies cited in the Skyline Mine Midterm Permit Review. The only information being submitted for incorporation into the M&RP are pages updating the Reclamation Cost Estimate information located in Section 4.3 of the M&RP. All other items cited are addressed below. In addition to the electronic submittal, two (2) clean sets of the information have been mailed.

R645-300-143 – Historical and Archeological Resource Information: Per Section 17 of Federal Permit C/007/0005, the Skyline 2014 Annual Report will provide a statement indicating whether previously unidentified cultural resources were discovered during mining.

R645-300-143 – Fish and Wildlife Resource Information: Subsidence impacts to wildlife: Skyline Mine commits (at a minimum) to provide a statement regarding measures taken to determine if impacts have been made to wildlife in the 2014 Annual Report. The statement will likely reflect that the areas subsided during the year were walked and flown by mine personnel specifically looking for subsidence affects.

R645-300-143 – Fish and Wildlife Resource Information: Comments addressing the presence or absence of three-toed woodpecker will be included in the 2014 Annual Report.

R645-300-143 – Fish and Wildlife Resource Information: Based on comments made in the Fall 2013 Cutthroat Trout Population Density survey, discussions with DOGM personnel considering whether any action is required has been initiated.

R645-301-830.140 – Bonding Determination of Amount: Section 4.3 – Cost Estimate For Performance Bond of the M&RP is being completely updated using 2014 RS Means cost estimates and then escalated five years. This updating indicates the current Skyline bond is approximately \$1,612,000 below calculated reclamation cost estimate. The modified increases in the bond come directly from DOGM personnel updates. Skyline will be increasing the reclamation bond.

If you have any questions regarding this information, please give me a call at (435) 448-2636.

Sincerely,



Gregg A. Galecki
Canyon Fuel Company, LLC.
Environmental Engineer – Skyline Mines

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change New Permit Renewal Exploration Bond Release Transfer

Permittee: Canyon Fuel Company, LLC

Mine: Skyline Mine

Permit Number: C/007/005

Title: Permit Midterm Review - Reclamation Cost Estimate Updates

Description, Include reason for application and timing required to implement:

Changes made to the M&RP updating the Reclamation Cost Estimates

Instructions: If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

- Yes No 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ increase decrease.
- Yes No 2. Is the application submitted as a result of a Division Order? DO# _____
- Yes No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- Yes No 4. Does the application include operations in hydrologic basins other than as currently approved?
- Yes No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- Yes No 6. Does the application require or include public notice publication?
- Yes No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- Yes No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- Yes No 9. Is the application submitted as a result of a Violation? NOV # _____
- Yes No 10. Is the application submitted as a result of other laws or regulations or policies?
Explain: Updating of the Reclamation Cost Estimate from the Permit Midterm review
- Yes No 11. Does the application affect the surface landowner or change the post mining land use?
- Yes No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- Yes No 13. Does the application require or include collection and reporting of any baseline information?
- Yes No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- Yes No 15. Does the application require or include soil removal, storage or placement?
- Yes No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- Yes No 17. Does the application require or include construction, modification, or removal of surface facilities?
- Yes No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- Yes No 19. Does the application require or include certified designs, maps or calculation?
- Yes No 20. Does the application require or include subsidence control or monitoring?
- Yes No 21. Have reclamation costs for bonding been provided?
- Yes No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- Yes No 23. Does the application affect permits issued by other agencies or permits issued to other entities?

Information has been submitted electronically. (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Carl W. Winters

Print Name

Carl W. Winters
Sign Name, General Manager, Date 12/5/14

Subscribed and sworn to before me this 5th day of DEC, 2014

Kathleen Atwood
Notary Public



My commission Expires: _____, 2015
Attest: State of Utah } ss:
County of Carbon

For Office Use Only:	Assigned Tracking Number:	Received by Oil, Gas & Mining

Total Required Bond

Bonding Calculations

Direct Costs

Subtotal Demolition and Removal	\$2,239,475.96
Subtotal Backfilling and Grading	\$1,597,728.00
Subtotal Revegetation	\$1,007,150.00
Direct Costs Subtotal	\$4,844,353.96

Indirect Costs

Mob/Demob	\$484,435.00	10.0%
Contingency	\$242,218.00	5.0%
Engineering Redesign	\$121,109.00	2.5%
Main Office Expense	\$329,416.00	6.8%
Project Maignement Fee	\$121,109.00	2.5%
Subtotal Indirect Costs	\$1,298,287.00	26.8%

Total Cost 2014	\$6,142,640.96
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Escalation factor		5
Number of years		0.019
Escalation	\$606,151.17	
Reclamation Cost Escalated	\$6,748,792.13	

Reclamation Bond Amount (rounded to nearest \$1,000) 2019 Dollars	\$6,749,000.00
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Posted Bond September 19, 2006	\$5,137,000.00
Difference Between Cost Estimate and Bond	-\$1,612,000.00
Percent Difference	-31%

Demolition

Ref.	Description	Materials	Means Reference Number	Unit Cost	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
Shop Warehouse 01														
	Deduct 50% on interior walls													
	Structure's Vol. Demolished	Mixed Materials Bld. Large	02 41 16 13 0100	0.3 /CF								1969000 CF		295350
	Rubble's Weight (exclude steel)											0.3	21878 CY	
	Truck's Capacity													
	Haulage													
	Transportation Cost Non Steel Truck													
	Transportation Cost Non Steel Drive													
	Disposal Cost Non Steel	City Services	City Service Price	4.33 /CY									21878 CY	94732
	Steel's Weight													
	Truck's Capacity													
	Haulage													
	Transportation Cost Steel Truck													
	Transportation Cost Steel Truck Drive													
	Disposal Cost Steel													
	Subtotal													390082
	Equipment's Disposal Cost													
	Dismantling Cost													
	Equipment's Vol. Demolished													
	Loading Costs													
	Transport Costs													
	Disposal Costs													
	Subtotal													
	Concrete Demolition													
	Demolition Cost	Concrete demolition	02 41 13 17 5200	11.5 /CY									190 CY	2185
	Concrete's Vol. Demolished											1.3	247 CY	
	Loading Cost	Front end Loader 3 CY	31 23 16 42 1300	1.67 /CY									247 CY	412
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rd. inf	31 23 23 20 1014	2.95 /CY									247 CY	729
	Disposal Costs	On site disposal	02 41 16 17 4200	8.65 /CF									247 CY	2137
	Subtotal													5463
	Total													395545

Ref	Description	Materials	Quantity Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Steel Factor	Quantity	Unit	Cost	
	Administration Bid 02																				
	Structure's Demolition Cost	Mixed Materials Bid Large	02 41 16 13 0100	0.3 /CF							78000					CF	0.3	78000 CF		23400	
	Structure's Vol. Demolished																	867 CY			
	Rubble's Weight (exclude steel)																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Non Steel Truck																				
	Transportation Cost Non Steel Drive																				
	Disposal Cost Non Steel	City Services		4.33 /CY															867 CY	3754	
	Steel's Weight																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Steel Truck																				
	Transportation Cost Steel Truck Drive																				
	Disposal Cost Steel																				
	Subtotal																			2715.4	
	Equipment's Disposal Cost																				
	Dismantling Cost																				
	Equipment's Vol. Demolished																				
	Loading Costs																				
	Transport Costs																				
	Disposal Costs																				
	Subtotal																				
	Total																			2715.4	

Mine No 1 Transfer Tower 03									
Description	Quantity	Unit	Rate	Amount	Unit	Rate	Amount	Unit	Amount
Deduct 50% no interior walls									
Structure's Demolition Cost									
Structure's Vol. Demolished	0.3	CF	185040	55512					
Rubble's Weight (exclude steel)	2067	CY	2067	4274190					
Truck's Capacity									
Haulage									
Transportation Cost Non Steel Truck									
Transportation Cost Non Steel Drive									
Disposal Cost Non Steel									
Steel's Weight									
Truck's Capacity									
Haulage									
Transportation Cost Steel Truck									
Transportation Cost Steel Truck Drive									
Disposal Cost Steel									
Subtotal									36856
Equipment's Disposal Cost									
Dismantling Cost									
Equipment's Vol. Demolished									
Loading Costs									
Transport Costs									
Disposal Costs									
Subtotal									
Concrete Demolition									
Demolition Cost									
Concrete's Vol. Demolished	02 41 13 17 5200	CF	11.5	491710					759
Loading Cost									
Transportation Cost									
Disposal Cost									
Subtotal									13
Front end Loader 3 CY	31 23 18 42 1300	CF	1.67	52086					86
12 CY (16 Ton) Dump Truck 1/2 mi. rd. In	31 23 23 20 1014	CF	2.95	92818					86
On site disposal	02 41 18 17 4290	CF	8.65	36987					86
Subtotal									1901
Total									38757

Ref	Description	Material	Quantity Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Price	Number	Unit	Swell Factor	Quantity	Unit	Cost
	BC 2 Drive House 04																			
	Deduct 50% no interior walls																			
	Structure's Demolition Cost	Concrete Bid Large	02 41 16 13 0050	0.39 /CF														0.3	38750 CF	7556
	Rubble's Weight (exclude steel)																		431 CY	
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Disposal Cost Non Steel Drive	City Services		4.33 /CY															431 CY	1866
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Disposal Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			9422
	Total																			9422

Ref	Description	Materials	Items Reference Number	Unit Cost	Unit	Length	W	H	Height	Diameter	Area	Volume	Wt	Weight	Weight	Time	Number	Unit	Swel Factor	Quantity	Unit	Cost	
Crusher Raw Coal 06																							
	Deduct 50% no interior walls																						
	Structure's Demolition Cost	Mixed Materials Bid Large	02 41 16 13 0100	0.3 /CF								88000						CF	0.3	88000	CF	13200	
	Rubber's Weight (exclude steel)																						
	Truck's Capacity																						
	Haulage																						
	Transportation Cost Non Steel Truck																						
	Disposal Cost Non Steel Drive	City Services	City Service Price	4.33 /CF																	978	CF	4235
	Truck's Capacity																						
	Haulage																						
	Transportation Cost Steel Truck																						
	Disposal Cost Steel Truck Drive																						
	Disposal Cost Steel																						
	Subtotal																					17435	
	Equipment's Disposal Cost																						
	Dismantling Cost																						
	Equipment's Vol. Demolished																						
	Loading Costs																						
	Transport Costs																						
	Disposal Costs																						
	Subtotal																						
	Concrete Demolition																						
	Demolition Cost	Concrete demolition	02 41 13 17 5200	11.5 /CY																			
	Concrete's Vol. Demolished																				1.3	1242	
	Loading Cost	Front end Loader 3 CY	31 23 16 42 1300	1.67 /CY																		234	
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. mtd. tnd	31 23 23 20 1014	2.95 /CY																		413	
	Disposal Costs	On site disposal	02 41 16 17 4200	8.65 /CF																		1211	
	Subtotal																					3100	
	Concrete Demolition																						
	Demolition Cost																						
	Concrete's Vol. Demolished																						
	Loading Cost																						
	Transportation Cost																						
	Disposal Costs																						
	Subtotal																						
	Concrete Demolition																						
	Demolition Cost																						
	Concrete's Vol. Demolished																						
	Loading Cost																						
	Transportation Cost																						
	Disposal Costs																						
	Subtotal																						
	Total																					20535	

Ref	Des. Region	Materials	Katans Reference Number		Length	Width				Number	Unit	Steel Factor	Quantity	Unit	
Railcar Loadout 08															
	Product 50% on interior walls														
	Structure's Demolition Cost	Mixed Materials Bid, Large	02 41 16 13 0100	0.3	ACF								118000	CF	17700
	Structure's Vol. Demolished												0.3		
	Rubber's Weight (exclude steel)												1311	CY	
	Truck's Capacity														
	Haulage														
	Transportation Cost Non Steel Truck														
	Transportation Cost Non Steel Drive	City Services													
	Disposal Cost Non Steel														
	Steel's Weight														
	Truck's Capacity														
	Haulage														
	Transportation Cost Steel Truck														
	Transportation Cost Steel Truck Drive														
	Disposal Cost Steel														
	Subtotal														23377
	Equipment's Disposal Cost														
	Dismantling Cost														
	Equipment's Vol. Demolished														
	Loading Costs														
	Transport Costs														
	Disposal Costs														
	Subtotal														
	Total														23377

Ref	Description	Items Reference Number	Unit Cost	Q	Unit	Cost
	Conveyors & Metal DG					
	Deduct 50% no interior walls					
	Structure's Demolition Cost	Mixed Materials Bld. Large	0.3 /CF	0.3	357980 CF	53694
	Structure's Vol. Demolished				3977 CF	
	Rubble's Weight (exclude steel)					
	Truck's Capacity					
	Haulage					
	Transportation Cost Non Steel Truck					
	Disposal Cost Non Steel	City Services	4.33 /CY		3977 CY	17220
	Street's Weight					
	Truck's Capacity					
	Transportation Cost Steel Truck					
	Transportation Cost Steel Truck Drive					
	Disposal Cost Steel					
	Subtotal					70914
	Equipment's Disposal Cost					
	Dismantling Cost					
	Equipment's Vol. Demolished					
	Leading Costs					
	Transport Costs					
	Disposal Costs					
	Subtotal					
	Upper Terrace Area					
	Concrete Demolition	Concrete demolition	11.5 /CY	1.3	47 CY	541
	Demolition Cost				61 CY	102
	Concrete's Vol. Demolished				61 CY	180
	Leading Cost				61 CY	528
	Transportation Cost					
	Disposal Costs					
	Subtotal					1351
	Middle Terrace Area					
	Concrete Demolition	Concrete demolition	11.5 /CY	1.3	54 CY	621
	Demolition Cost				70 CY	117
	Concrete's Vol. Demolished				70 CY	207
	Leading Cost				70 CY	606
	Transportation Cost					
	Disposal Costs					
	Subtotal					1551
	Lower Terrace Area					
	Concrete Demolition	Concrete demolition	11.5 /CY	1.3	90 CY	1035
	Demolition Cost				117 CY	185
	Concrete's Vol. Demolished				117 CY	345
	Leading Cost				117 CY	1012
	Transportation Cost					
	Disposal Costs					
	Subtotal					2587
	Access Road Area					
	Concrete Demolition	Concrete demolition	11.5 /CY	1.3	1200 CY	13800
	Demolition Cost				1560 CY	2605
	Concrete's Vol. Demolished				1560 CY	4602
	Leading Cost				1560 CY	13494
	Transportation Cost					
	Disposal Costs					
	Subtotal					34501
	Total					110904

Ref	Description	Materials	Means Reference Number	Unit Cost	Length	Width	Height	Diameter	Area	Volume	Weight	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Water Tanks Two 10																
	Reduce 50% on interior walls	Steel Bid, Large	02.41.18.13.0020	0.27 /CF											48900 CF		6318
	Structure's Demolition Cost																
	Rubber's Weight (exclude steel)																
	Truck's Capacity																
	Haulage																
	Transportation Cost Non Steel Truck																
	Transportation Cost Non Steel Drive																
	Disposal Cost Non Steel																
	Steel's Weight																
	Truck's Capacity																
	Haulage																
	Transportation Cost Steel Truck																
	Transportation Cost Steel Truck Drive																
	Disposal Cost Steel																6318
	Subtotal																6318
	Equipment & Disposal Cost																
	Disposal Cost																
	Equipment's Vol. Demolished																
	Leading Costs																
	Transport Costs																
	Disposal Costs																
	Subtotal																6318
	Total																6318

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Spill Factor	Quantity	Unit	Cost
Well House Three 12																				
	Deduct 50% for interior walls																			
	Structure's Demolition Cost	Mixed Materials Bid Large	02 41 16 13 0100	0.3 /CF														24000 CF		3600
	Structure's Vol. Demolished																	267 CY		
	Rubber's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive	City Services	City Service Price	4.33 /CY																1156
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			4756
	Equipment's Disposal Cost																			
	Dismantling Cost																			
	Equipment's Vol. Demolished																			
	Landing Costs																			
	Transport Costs																			
	Disposal Costs																			
	Total																			4756

Ref	Description	Materials	Items Reference Number																	
Water Treatment Bid 13																				
	Deduct 50% for interior walls			02 41 16 13 0100	0.3 /CF															
	Structure's Demolition Cost	Mixed Materials Bid, Large																		
	Structure's Vol. Demolished																			
	Rubber's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive	City Services																		
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			17830
	Equipment's Disposal Cost																			
	Dismantling Cost																			
	Equipment's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Total																			17830

Ref	Description	Quantity	Unit	Rate	Amount	Notes
Overland Conveyor 15						
	Deduct 50% re interior walls					
	Structure's Demolition Cost	Mixed Materials Bid Large				
	Structure's Vol. Demolished	02.41.16.13.0100	0.3 /CF		480000 CF	72000
	Rubber's Weight (exclude steel)				5333 CY	
	Truck's Capacity					
	Haulage					
	Transportation Cost Non Steel Truck					
	Transportation Cost Non Steel Drive	City Services				
	Steel's Weight	City Service Price	4.33 /CY		5333 CY	23092
	Truck's Capacity					
	Haulage					
	Transportation Cost Steel Truck					
	Transportation Cost Steel Truck Drive					
	Disposal Cost Steel					
	Subtotal					95092
	Equipment's Disposal Cost					
	Dismantling Cost					
	Equipment's Vol. Demolished					
	Loading Costs					
	Transport Costs					
	Disposal Costs					
	Subtotal					
	Total					95092

Ref	Description	Metric	Items Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost	
	Rock Dust Bid 17																				
	Structure's Demolition Cost	Steel Bid - Large	02 41 18 13 0020	0.27	/CF													15594	CF	4186	
	Structure's Vol. Demolished																				
	Truck's Weight (exclude steel)																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Non Steel Truck																				
	Transportation Cost Non Steel Drive	City Services	City Service Price	4.33	/CY																
	Disposal Cost Non Steel																				
	Steel's Weight																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Steel Truck																				
	Transportation Cost Steel Truck Drive																				
	Disposal Cost Steel																				
	Subtotal																			4186	
	Equipment's Disposal Cost																				
	Dismantling Cost																				
	Equipment's Vol. Demolished																				
	Loading Costs																				
	Transport Costs																				
	Disposal Costs																				
	Subtotal	Concrete filling of boreholes (2)	03 31 13 35 0412	1.30	/CY			255	0.2558									0.9644	CY	125	
	Concrete Demolition	Concrete demolition	02 41 13 17 5200	11.5	/CY													1.3		794	
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost	Front end Loader 3 CY	31 23 18 43 1300	1.67	/CY															150	
	Transportation Cost	12 CY 118 Tonl Dump Truck 1/2 mi. incl. fill	31 23 23 20 1014	2.98	/CY															296	
	Disposal Cost	On site disposal	02 41 18 17 4200	8.69	/CY															779	
	Subtotal																			2114	
	Total																			6300	

Ref	Material	Quantity	Reference Number	Unit	Length	W. Ft	H. Ft	W. Sq	H. Sq	Volume	Weight	CF	CY	Cost
Overland Dust Collector 18														
	Structure's Demolition Cost		Steel Bld. Large											1296
	Structure's Vol. Demolished		02 41 16 13 0020	0.27	/CF									
	Rubble's Weight (exclude steel)													
	Truck's Capacity													
	Haulage													
	Transportation Cost Non Steel Truck													
	Transportation Cost Non Steel Drive													
	Disposal Cost Non Steel													
	Steel's Weight													
	Truck's Capacity													
	Haulage													
	Transportation Cost Steel Truck													
	Transportation Cost Steel Truck Drive													
	Disposal Cost Steel													1296
	Subtotal													1296
	Equipment & Disposal Cost													
	Dismantling Cost													
	Equipment's Vol. Demolished													
	Loading Costs													
	Transport Costs													
	Disposal Costs													
	Subtotal													
	Total													1296

Ref	Description	Materials	Accounts Reference Number	Unit Cost	Quantity	Unit	Steel Factor	Number	Unit	Steel Factor	Quantity	Unit
Substation 19												
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0020	0.27 /CF			0.3				1000 CF	270
	Structure's Vol. Demolished										11 CY	
	Rubber's Weight (exclude steel)											
	Truck's Capacity											
	Haulage											
	Transportation Cost Non Steel Truck											
	Transportation Cost Non Steel Drive											
	Disposal Cost Non Steel											
	Steel's Weight											
	Truck's Capacity											
	Haulage											
	Transportation Cost Steel Truck											
	Transportation Cost Steel Truck Drive											
	Disposal Cost Steel											
	Subtotal											270
	Equipment's Disposal Cost											
	Dismantling Cost											
	Equipment's Vol. Demolished											
	Loading Costs											
	Transfer Costs											
	Disposal Costs											
	Subtotal											
	Concrete Demolition	Concrete demolition	02 41 13 17 5200	11.5 /CY			1.3				74 CY	851
	Demolition Cost										96 CY	160
	Concrete's Vol. Demolished	Front end Loader 3 CY	31 23 16 42 1300	1.67 /CY							96 CY	283
	Loading Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rd. in	31 23 23 20 1014	2.99 /CY							96 CY	830
	Transportation Cost	On site disposal	02 41 16 17 4200	8.65 /CY							96 CY	2124
	Disposal Costs											
	Subtotal											2394
	Total											2394

Ref.	Description	Materials	Items Reference Number	Unit Cost	length	width	height	Volume	Weight	Buy Unit	Size Factor	Quantity	Unit Cost
	Cap Magazine 21												
	Structure's Demolition Cost	Steel Bid, Large	02 41 16 13 0020	0.27 /CF								125 CF	34
	Rubble's Vol. Demolished												
	Rubble's Weight (exclude steel)												
	Truck's Capacity												
	Haulage												
	Transportation Cost Non Steel Truck												
	Transportation Cost Non Steel Drive												
	Disposal Cost Non Steel												
	Steel's Weight												
	Truck's Capacity												
	Haulage												
	Transportation Cost Steel Truck												
	Transportation Cost Steel Truck Drive												
	Disposal Cost Steel												
	Subtotal												34
	Equipment & Disposal Cost												
	Stripping Cost												
	Equipment's Vol. Demolished												
	Loading Costs												
	Transport Costs												
	Disposal Costs												
	Subtotal												
	Total												34

Ref	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost	
	Propane Tanks 23																				
	Structure's Demolition Cost	Steel Bid Large	02 41 18 13 0020	0.27 /CF															38 CF		10
	Structure's Vol. Demolished																				
	Rubber's Weight (exclude steel)																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Non Steel Truck																				
	Transportation Cost Non Steel Drive																				
	Disposal Cost Non Steel																				
	Steel's Weight																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Steel Truck																				
	Transportation Cost Steel Truck Drive																				
	Disposal Cost Steel																				10
	Subtotal																				648
	Equipment's Disposal Cost																				
	Dismantling Cost																				
	Equipment's Vol. Demolished																				
	Leading Costs																				
	Transport Costs																				
	Disposal Costs																				
	Subtotal																				
	Concrete Demolition	Concrete demolition	02 41 13 17 5200	11.5 /CY																	253
	Demolition Cost																				
	Concrete's Vol. Demolished	Front end Loader 3 CY	31 23 16 42 1300	1.67 /CY														1.3			48
	Leading Cost	12 CY (16 Ton) Dump Truck 1/2 ml. md. Tn	31 23 23 20 1014	2.95 /CY																	86
	Transportation Cost	On site disposal	02 41 16 17 4200	8.65 /CY																	251
	Disposal Costs																				638
	Subtotal																				648
	Total																				648

Ref	Description	Items Reference Number	Unit Cost																	
	Stacking Tube 24																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (excludes steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment's Disposal Cost																			
	Disassembly Cost																			
	Equipment's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			

Ref			Keans Reference Number	Unit Cost	Length	Fact		
	Reclaim Tunnel 25							
	Structures Demolition Cost							
	Structures Vol. Demolished							
	Rubble's Weight (exclude steel)							
	Truck's Capacity							
	Haulage							
	Transportation Cost Non Steel Truck							
	Transportation Cost Non Steel Drive							
	Disposal Cost Non Steel							
	Steel's Weight							
	Truck's Capacity							
	Haulage							
	Transportation Cost Steel Truck							
	Transportation Cost Steel Truck Drive							
	Disposal Cost Steel							
	Subtotal							
	Equipment's Disposal Cost							
	Dismantling Cost							
	Equipment's Vol. Demolished							
	Loading Costs							
	Transport Costs							
	Disposal Costs							
	Subtotal							
	Concrete Demolition							
	Demolition Cost	Concrete demolition	02 41 13 17 5200	11.5 /CY				1900 CY 22540
	Concrete's Vol. Demolished							2548 CY 2548
	Loading Cost	Front end Loader 3 CY	31 23 16 42 1300	1.07 /CY		1.3		4235
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. and 1hr	31 23 23 20 1014	2.95 /CY				7517
	Disposal Cost	On site disposal	02 41 16 17 4200	8.65 /CY				2548 CY 22040
	Subtotal							56352
	Total							56352

Ref	Description	Materials	Items Reference Number	Unit Cost	Length	W. ftm	Height	Factor	Vol		
	Slope Protection Apron 26										
	Structure's Demolition Cost										
	Structure's Vol. Demolished										
	Rubble's Weight (exclude steel)										
	Truck's Capacity										
	Haulage										
	Transportation Cost Non Steel Truck										
	Transportation Cost Non Steel Drive										
	Disposal Cost Non Steel										
	Steel's Weight										
	Truck's Capacity										
	Haulage										
	Transportation Cost Steel Truck										
	Transportation Cost Steel Truck Drive										
	Disposal Cost Steel										
	Subtotal										
	Equipment's Disposal Cost										
	Demantling Cost										
	Equipment's Vol. Demolished										
	Loading Costs										
	Transport Costs										
	Disposal Costs										
	Subtotal										
	Concrete Demolition										
	Demolition Cost	Concrete demolition	02 41 13 17 5200	11.5 /CY							
	Concrete's Vol. Demolished							1.3	753 CY		8660
	Loading Cost	Front end Loader 3 CY	31 23 16 42 1300	1.67 /CY					979 CY		1635
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. 1hr	31 23 23 20 1014	2.99 /CY					979 CY		2888
	Disposal Costs	On site disposal	02 41 16 17 4200	8.69 /CY					979 CY		8468
	Subtotal										21651
	Total										21651

Ref	Description	Material	Systems Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost	
	Raw Coal Silo 28																				
	Structure's Demolition Cost																				
	Structure's Vol. Demolished																				
	Rubble's Weight (exclude steel)																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Non Steel Truck																				
	Transportation Cost Non Steel Drive																				
	Disposal Cost Non Steel																				
	Steel's Weight																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Steel Truck																				
	Transportation Cost Steel Truck Drive																				
	Disposal Cost Steel																				
	Subtotal																				
	Equipment's Disposal Cost																				
	Demolition Cost																				
	Equipment's Vol. Demolished																				
	Loading Costs																				
	Transport Costs																				
	Disposal Costs																				
	Subtotal																				
	Concrete Demolition																				
	Demolition Cost	Concrete demolition	02 41 13 17 5200	11.5	/CY																7020
	Concrete's Vol. Demolished																				884 CY
	Loading Cost	Front end Loader 3 CY	31 23 16 42 1300	1.67	/CY																1476
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. mdl. ltr	31 23 23 20 1014	2.95	/CY																2608
	Disposal Costs	On site disposal	02 41 16 17 4200	8.65	/CF																7647
	Subtotal																				19551
	Total																				19551

Ref	Description	Materials	Items Reference Number	Unit Cost	QTY	Cost	Factor	Volume	Weight
Parking Area Middle 29									
	Structure's Demolition Cost								
	Structure's Vol. Demolished								
	Rubber's Weight (Exclude Steel)								
	Truck's Capacity								
	Haulage								
	Transportation Cost Non Steel Truck								
	Transportation Cost Non Steel Drive								
	Disposal Cost Non Steel								
	Steel's Weight								
	Truck's Capacity								
	Haulage								
	Transportation Cost Steel Truck								
	Transportation Cost Steel Truck Drive								
	Disposal Cost Steel								
	Subtotal								
	Equipment's Disposal Cost								
	Dismantling Cost								
	Equipment's Vol. Demolished								
	Loading Costs								
	Transport Costs								
	Disposal Costs								
	Subtotal								
	Concrete Demolition	Pavement Removal 3"	02 41 13 17 5200	11.8 SW		1260			
	Demolition Cost	Concrete demolition	02 41 13 17 5200	11.9 /CY		1260			
	Concrete's Vol. Demolished				0.0833				
	Loading Cost	Front end Loader 3 CY	31 23 16 42 1300	1.67 /CY					
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. and 1mi	31 23 23 20 1014	2.95 /CY					
	Disposal Costs	On site disposal	02 41 16 17 4200	8.65 /CY					
	Subtotal								
	Total								3026

Ref	Description	Materials	Stems Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Price	Number	Unit	Steel Factor	Quantity	Unit	Price	
	Road Pad Lower 31																				
	Structure's Demolition Cost																				
	Structure's Vol. Demolished																				
	Rubber's Weight (exclude steel)																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Non Steel Truck																				
	Transportation Cost Non Steel Drive																				
	Disposal Cost Non Steel																				
	Steel's Weight																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Steel Truck																				
	Transportation Cost Steel Truck Drive																				
	Disposal Cost Steel																				
	Subtotal																				4688
	Equipment & Disposal Cost																				
	Demolition Cost																				
	Equipment's Vol. Demolished																				
	Loading Costs																				
	Transport Costs																				
	Disposal Costs																				
	Subtotal																				1875
	Concrete Demolition	Pavement Removal 3"	02 41 13 17 5200	11.5 /CY						1830											1875
	Demolition Cost	Concrete demolition						0.1													212 CY
	Concrete's Vol. Demolished																				212 CY
	Loading Cost	Front end Loader 3 CY	31 23 16 42 1300	1.67 /CY																	354
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. incl. lin	31 23 23 20 1014	2.95 /CY																	625
	Disposal Costs	On site disposal	02 41 16 17 4200	8.65 /CF																	1834
	Subtotal																				4688
	Total																				4688

Ref	Description	Materials	Abrams Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost	
Loadout Foundation RR 33																					
	Structure's Demolition Cost																				
	Structure's Vol. Demolished																				
	Rubble's Weight (exclude steel)																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Non Steel Truck																				
	Transportation Cost Non Steel Drive																				
	Disposal Cost Non Steel																				
	Steel's Weight																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Steel Truck																				
	Transportation Cost Steel Truck Drive																				
	Disposal Cost Steel																				
	Subtotal																				
	Equipment's Disposal Cost																				
	Dismantling Cost																				
	Equipment's Vol. Demolished																				
	Loading Costs																				
	Transport Costs																				
	Disposal Costs																				
	Subtotal																				
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				
	Total																				7125

Ref	Description	Items Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost	
	Pavement Rail Loadout 34																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubber's Weight (excludes steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Street's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			81289
	Equipment's Disposal Cost																			
	Dismantling Cost																			
	Equipment's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Cost																			
	Subtotal																			3045
	Paving From W. Entrances to Slices																			
	Asphalt Demolition																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Cost																			
	Subtotal																			74833
	Total																			81289

Ref	Description	Items Reference Number	Unit Cost	Length	Height	Diameter	Area	Volume	Weight	Unitship	Time	Number	Unit	Swell Factor	Unit	Cost
Steel 35																
	Structure's Demolition Cost															
	Structure's Vol. Demolished															
	Rubble's Weight (exclude steel)															
	Truck's Capacity															
	Haulage															
	Transportation Cost Non Steel Truck															
	Transportation Cost Non Steel Drive															
	Disposal Cost Non Steel															
	Steel's Weight								2000						2000 TON	
	Truck's Capacity															
	Haulage															
	Transportation Cost Steel Truck	Truck dump 16 ton payload														
	Transportation Cost Steel Truck Drive															
	Disposal Cost Steel	01 54 33 20 5300	692.2 /day									16	DY		16 DY	11075
	Subtotal															11075
	Equipment & Disposal Cost															
	Demolition Cost															
	Equipment & Vol. Demolished															
	Loading Costs															
	Transport Costs															
	Disposal Costs															
	Subtotal															
	Concrete Demolition															
	Demolition Cost															
	Concrete's Vol. Demolished															
	Loading Cost															
	Transportation Cost															
	Disposal Costs															
	Subtotal															
	Concrete Demolition															
	Demolition Cost															
	Concrete's Vol. Demolished															
	Loading Cost															
	Transportation Cost															
	Disposal Costs															
	Subtotal															
	Total															11075

Ref		Account Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Unit	Cost
	Culvert Backfilling 37			1.43/ICY		580	4	8							FT		654 CY	943
	Culvert CU-1 48 inch	Excavation Bulk Bank 2 CY (322BL)		1.77/ICY		580	4	8							FT		654 CY	1175
		Backfill Trench Minimal Haul 2.1/4 CY		1.42/ICY		580	4	8							FT		697 CY	990
	Culvert CU-2	Excavation Bulk Bank 2 CY (322BL)		1.77/ICY		580	4	8							FT		697 CY	1234
		Backfill Trench Minimal Haul 2.1/4 CY		1.42/ICY		410	4	8							FT		486 CY	690
	Culvert CU-3	Excavation Bulk Bank 2 CY (322BL)		1.42/ICY		410	4	8							FT		486 CY	690
		Backfill Trench Minimal Haul 2.1/4 CY		1.77/ICY		410	4	8							FT		870 CY	1235
	Culvert CU-2a	Excavation Bulk Bank 2 CY (322BL)		1.43/ICY		410	4	8							FT		870 CY	1540
		Backfill Trench Minimal Haul 2.1/4 CY		1.77/ICY		410	4	8							FT		870 CY	1540
	Subtotal																	8567
	Total																	8567

Ref	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Steel Factor	Quantity	Unit	Cost	
	Equipment 39	Equipment Removal	Skyline 002	174.26	TTON							1525				TON		1525 TON		265747	
	Structure's Demolition Cost																				
	Structure's Vol. Demolished																				
	Rubble's Weight (exclude steel)																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Non Steel Truck																				
	Transportation Cost Non Steel Drive																				
	Disposal Cost Non Steel																				
	Steel's Weight																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Steel Truck																				
	Transportation Cost Steel Truck Drive																				
	Disposal Cost Steel																				
	Subtotal																				265747
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				
	Total																				265747

Ref	Description	Materials	Item Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Quantity	Time	Number	Unit	Steel Factor	Quantity	Unit	Cost	
	Portal Face Door 40																				
	Structure's Demolition Cost	Mechanical equipment heavy	15055 300 2600	650	Non								6.85			Ton		6.85	Ton	5822.5	
	Structure's Vol. Demolished																				
	Rubber's Weight (exclude steel)																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Non Steel Truck																				
	Transportation Cost Non Steel Drive																				
	Disposal Cost Non Steel																				
	Steel's Weight																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Steel Truck																				
	Transportation Cost Steel Truck Drive																				
	Disposal Cost Steel																				
	Subtotal																				5823
	Equipment's Disposal Cost																				
	Disassembling Cost																				
	Equipment's Vol. Demolished																				
	Loading Costs																				
	Transport Costs																				
	Disposal Costs																				
	Subtotal																				
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				
	Total																				5823

Ref.	Description	Items Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Swell Factor	Quantity	Unit	Cost	
	Concrete Building 41																		
	Structure's Vol. Demolished																		
	Truck's Weight (excludes steel)																		
	Truck's Capacity																		
	Haulage																		
	Transportation Cost Non Steel Truck																		
	Disposal Cost Non Steel																		
	Steel's Weight																		
	Truck's Capacity																		
	Haulage																		
	Transportation Cost Steel Truck																		
	Disposal Cost Steel																		
	Subtotal																		1749.6
	Equipment's Disposal Cost																		
	Dismantling Cost																		
	Equipment's Vol. Demolished																		
	Loading Costs																		
	Transport Costs																		
	Disposal Costs																		
	Subtotal																		
	Concrete Demolition																		
	Demolition Cost																		
	Concrete's Vol. Demolished																		
	Loading Cost																		
	Transportation Cost																		
	Disposal Cost																		
	Subtotal																		
	Concrete Demolition																		
	Demolition Cost																		
	Concrete's Vol. Demolished																		
	Loading Cost																		
	Transportation Cost																		
	Disposal Cost																		
	Subtotal																		
	Total																		1749.6

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost	
	Steel Quarters Ventilation Facility 42																				
	Substation/Transformers 42	Steel																			
	Structure's Demolition Cost	Steel Bld Large	02 41 16 13 0020	0.277 CF															1000 CF		270
	Escape Shaft	Steel Bld Large	02 41 16 13 0020	0.277 CF															88 CF		23.76
	Structure's Demolition Cost																		1000 LF		2100
	Fencing	Fencing barbed wire 3 strand	02 41 13 60 1600	2.1 LF															2900 LF		12238
	Topsoil Pile	chain link remove 8'-10'	02 41 13 60 1700	4.22 LF															9000 LF		37980
	Ventilation Pad	chain link remove 8'-10'	02 41 13 60 1700	4.22 LF																	
	Reinforced Earth Retaining Wall																				
	Ventilation Fan	Steel Bld large	02 41 16 13 0012	0.36 CF															150 CF		54
	Structure's Demolition Cost																				
	Mobile Field Office																				
	Structure's Demo cost	mixed materials	02 41 16 13 0100	0.38 CF															1000 CF		380
	Structure's Demolition Cost generator	steel bld large	02 41 16 13 0012	0.36 CF															1000 CF		360
	Subtotal																				53405.76
	Concrete																				
	Substation	Concrete demo																			
	Escape Shaft Pad	Concrete demo																			
	Shell Collar and Fan Pad, temp	Concrete demo																			
	Mobile Field Office Pad	Concrete demo																			
	Slope Collar	Concrete demo																			
	Misc.	Concrete demo																			
	Concrete's Vol. Demolished	Concrete demo																			
	Loading Cost	Concrete demo																			
	Disposal Costs	Front end loader track 3 CY																			
	Loading Cost	Disposal on site																			
	Subtotal																				19403.16
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				
	Total																				72809.36

Earth work

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine															
Water Tank 02															
0.26 acres															
<i>Beckfiling und Grading</i>															
998G EROPS (9-37) (1st14)	21000	119.32	0.1	63.03	325.53	1	325.53 \$/HR		1683 CY		2/6.16 CV/HR		6 HR		1953
769D (20-11) (1st14)	21000	119.32	0.1	51.38	313.88	3	941.64 \$/HR						6 HR		5650
Pickup Truck Crew 4x4 1 ton (20-17) (1st14)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR						6 HR		500
CLAB					56.55	1	56.55 \$/HR						6 HR		339
Foreman Average, Outside					76.35	1	76.35 \$/HR						6 HR		458
<i>Place Topsoil</i>															
769D (20-11) (1st14)	21000	119.32	0.1	51.38	313.88	1	313.88 \$/HR		420 CY		92 CV/HR		4.6 HR		1444
998G EROPS (9-37) (1st14)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR						4.6 HR		383
DAR Series II (9-54) (1st14)	19000	352.27	0.1	61.72	155.68	1	155.68 \$/HR						4.6 HR		716
CLAB					56.55	1.5	84.83 \$/HR						4.6 HR		390
410G EROPS 4WD EXTEN (9-29)(1st14)	3620	27.05	0.1	61.72	114.1	1	114.1 \$/HR		0.3 AC		1 AC/HR		0.3 HR		34
CLAB					56.55	1.5	84.83 \$/HR						0.3 HR		25
Pickup Truck Crew 4x4 1 ton (20-17) (1st14)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR						4.6 HR		383
Foreman Average, Outside					76.35	1	76.35 \$/HR						4.6 HR		351
Subtotal															12626

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Drs.	Units	Cost
Skyline Mine															
Mine Facilities Area															
Lower Terrace 03															
<i>Backfilling and Grading</i>															
DRR Series II (9-54) (1s14)	19000	352.27	0.1	61.72	567.97	1	567.97 \$/HR						79.5 HR		45154
631G (9-51) (1s14)	18500	93.75	0.1	62.52	288.77	3	806.31 \$/HR						79.5 HR		64102
CLAB					56.55	1	56.55 \$/HR						79.5 HR		4496
Foreman Average, Outside					76.35	1	76.35 \$/HR						40 HR		3054
Pickup Truck Crew 4x4 1 ton (20-17) (1s14)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR						40 HR		3331
<i>Place Topsoil</i>															
DRR Series II (9-54) (1s14)	19000	352.27	0.1	61.72	567.97	5	2839.85 \$/HR						21.1 HR		59921
631G (9-51) (1s14)	18500	93.75	0.1	62.52	288.77	1	288.77 \$/HR						21.1 HR		5671
CLAB					56.55	1	56.55 \$/HR						21.1 HR		1193
14H EROPS (9-11)(2H2005)	14500	82.39	0.1	62.74	243.99	1	243.99 \$/HR						21.1 HR		5148
410G EROPS 4WD EXTEN. (9-26)(1s14)	3620	27.05	0.1	61.72	114.1	1	114.1 \$/HR						21.1 HR		2408
CLAB					56.55	1	56.55 \$/HR						21.1 HR		1193
Foreman Average, Outside					76.35	1	76.35 \$/HR						21.1 HR		1611
Pickup Truck Crew 4x4 1 ton (20-17) (1s14)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR						21.1 HR		1757
Subtotal															199039

	Equipment Cost	Hourly Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis	Units	Cost
Skyline Mine															
Mine Facilities Area															
Middle Bench 04															
DER Series II (9-54) (1st14)	19000	352.27	0.1	61.72	567.97	1	567.97 \$/HR						122.46 HR		69554
631G (9-51) (1st14)	16500	93.75	0.1	62.52	268.77	3	806.31 \$/HR						122.46 HR		98741
CLAB					56.55	1	56.55 \$/HR						61 HR		6925
Foreman Average Outside					76.35	1	76.35 \$/HR						61 HR		4657
Pickup Truck Crew 4x4 1 ton (20-17) (1st14)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR						61 HR		5080
Place Topsoil															
DER Series II (9-54) (1st14)	19000	352.27	0.1	61.72	567.97	5	2839.85 \$/HR						20.9 HR		59353
631G (9-51) (1st14)	16500	93.75	0.1	62.52	268.77	1	268.77 \$/HR						20.9 HR		5617
CLAB					56.55	1	56.55 \$/HR						20.9 HR		1182
14H EROPS (9-11)(2H2005)	14500	82.39	0.1	62.74	243.99	1	243.99 \$/HR						20.9 HR		5099
410G EROPS 4WD EXTEN. (9-29)(1st14)	3620	27.05	0.1	61.72	114.1	1	114.1 \$/HR						20.9 HR		2385
CLAB					56.55	1	56.55 \$/HR						20.9 HR		1182
Foreman Average Outside					76.35	1	76.35 \$/HR						20.9 HR		1596
Pickup Truck Crew 4x4 1 ton (20-17) (1st14)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR						20.9 HR		1741
Subtotal															263112

Equipment	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine													
Mine Facilities Area													
Upper Bench West Fork 05													
DBR Series II (9-54) (1st14)	19000	352.27	61.72	567.97	1	567.97 \$/HR					37.5 HR		21299
631G (9-51) (1st14)	16500	93.75	62.52	268.77	3	806.31 \$/HR					37.5 HR		30237
CLAB				56.55	1	56.55 \$/HR					37.5 HR		2121
Foreman Average, Outside				76.35	1	76.35 \$/HR					19 HR		1451
Pickup Truck Crew 4x4 1 ton (20-17) (1st14)	1105	15.55	59.27	83.28	1	83.28 \$/HR					19 HR		1582
Place Topsoil													
DBR Series II (9-54) (1st14)	19000	352.27	61.72	567.97	5	2839.85 \$/HR					23.7 HR		67304
631G (9-51) (1st14)	16500	93.75	62.52	268.77	1	268.77 \$/HR					23.7 HR		6370
CLAB				56.55	1	56.55 \$/HR					23.7 HR		1340
14H EROPS (9-11)(2H2005)	14500	82.39	62.74	243.99	1	243.99 \$/HR					9.52 HR		2323
410G EROPS 4WD EXTEN (9-28)(1st14)	3620	27.05	61.72	114.1	1	114.1 \$/HR					9.52 HR		1086
CLAB				56.55	1	56.55 \$/HR					9.52 HR		538
Foreman Average, Outside				76.35	1	76.35 \$/HR					23.7 HR		1809
Pickup Truck Crew 4x4 1 ton (20-17) (1st14)	1105	15.55	59.27	83.28	1	83.28 \$/HR					23.7 HR		1974
Subtotal													139434

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine															
Loadout Facilities 07															
Backfilling and Grading															
DBR Series II (9-54) (1s14)	19000	352.27	0.1	61.72	567.97	1	567.97 \$/HR					88.8	HR		50436
631G (9-51) (1s14)	16500	93.75	0.1	62.52	268.77	3	806.31 \$/HR					88.8	HR		71600
CLAB					56.55	1	56.55 \$/HR					44	HR		3359
Foreman Average, Outside					76.35	1	76.35 \$/HR					44	HR		3664
Pickup Truck Crew 4x4 1 ton (20-17) (1s14)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR					44	HR		3664
Topsoil															
631G (9-51) (1s14)	16500	93.75	0.1	62.52	268.77	3	806.31 \$/HR					28.4	HR		22899
DBR Series II (9-54) (1s14)	19000	352.27	0.1	61.72	567.97	1	567.97 \$/HR					28.4	HR		16130
CLAB					56.55	1	56.55 \$/HR					28.4	HR		1606
14H EROPS (9-11)(2H2005)	14500	82.39	0.1	62.74	243.99	1	243.99 \$/HR					28.4	HR		6929
410G EROPS 4WD EXTEN (9-28)(1s14)	3620	27.05	0.1	61.72	114.1	1	114.1 \$/HR					28.4	HR		3240
CLAB					56.55	1	56.55 \$/HR					28.4	HR		1606
Foreman Average, Outside					76.35	1	76.35 \$/HR					28.4	HR		2168
Pickup Truck Crew 4x4 1 ton (20-17) (1s14)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR					28.4	HR		2365
Subtotal															191024

South Fork Portal Area 08

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip + Labor Time/Dis.	Units	Cost
Backfilling and Grading															
CAT 345BL II (10-23)(1st14)	17095	113.1	0.1	61.72	292.97	1	292.97 \$/HR						25.2 HR		7383
6X4 70,000lbs 12-18 CY (20-11) (1st14)	4410	63.45	0.1	61.72	159.08	2	318.16 \$/HR						25.2 HR		8018
988G EROPS (9-37) (1st14)	21000	119.32	0.1	63.03	325.53	1	325.53 \$/HR						25.2 HR		8203
D6R Series II (9-54) (1st14)	10800	61.36	0.1	61.72	196.72	1	196.72 \$/HR						25.2 HR		4957
Pickup Truck Crew 4x4 1 ton (20-17) (1st14)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR						25.2 HR		2099
CLAB					56.55	1.5	84.83 \$/HR						25.2 HR		2138
Foreman Average, Outside					76.35	1	76.35 \$/HR						25.2 HR		1924
Topsoil															
988G EROPS (9-37) (1st14)	21000	119.32	0.1	63.03	325.53	1	325.53 \$/HR						35.82 HR		11660
D6R Series II (9-54) (1st14)	10800	61.36	0.1	61.72	196.72	1	196.72 \$/HR						35.82 HR		7047
14H EROPS (9-11)(2H2005)															
410G EROPS 4WD EXTEN (9-28)(1st14)	14500	82.39	0.1	62.74	243.99	1	243.99 \$/HR						35.82 HR		8740
Pickup Truck Crew 4x4 1 ton (20-17) (1st14)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR						35.82 HR		2983
CLAB					56.55	1	56.55 \$/HR						35.82 HR		2026
Foreman Average, Outside					76.35	1	76.35 \$/HR						35.82 HR		2735
Subtotal															74000

Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine														
Waste Rock Disposal 09														
Backfilling and Grading														
CAT 345BL II (10-23)(1st14)	17095	113.1	61.72	292.97	1	292.97 \$/HR						4.5 HR		1318
6X4 70,000lbs 12-18 CY (20-11) (1st14)	4410	63.45	61.72	159.08	2	318.16 \$/HR						4.5 HR		1432
980G Series II EROPS (9-37) (1st14)	13000	73.86	63.03	225.53	1	225.53 \$/HR						4.5 HR		1015
D6R Series II (9-54) (1st14)	10800	61.36	61.72	196.72	1	196.72 \$/HR						4.5 HR		885
Pickup Truck Crew 4x4 1 ton (20-17) (1st14)	1105	15.55	59.27	83.28	1	83.28 \$/HR						4.5 HR		375
In Situ Topsoil														
CAT 345BL II (10-23)(1st14)	17095	113.1	61.72	292.97	1	292.97 \$/HR						20.9 HR		6123
6X4 70,000lbs 12-18 CY (20-11) (1st14)	4410	63.45	61.72	159.08	2	318.16 \$/HR						20.9 HR		6650
980G Series II EROPS (9-37) (1st14)	13000	73.86	63.03	225.53	1	225.53 \$/HR						20.9 HR		4714
D6R Series II (9-54) (1st14)	10800	61.36	61.72	196.72	1	196.72 \$/HR						20.9 HR		4111
Pickup Truck Crew 4x4 1 ton (20-17) (1st14)	1105	15.55	59.27	83.28	1	83.28 \$/HR						20.9 HR		1741
Topsoil Placement														
6X4 70,000lbs 12-18 CY (20-11) (1st14)	4410	63.45	61.72	159.08	3	477.24 \$/HR						279.8 HR		133532
980G EROPS (9-37) (1st14)	21000	119.32	63.03	325.53	1	325.53 \$/HR						279.8 HR		91083
CLAB				56.55	1	56.55 \$/HR						279.8 HR		15823
14H EROPS (9-11)(2H2005)														
410G EROPS 4WD EXTEN. (9-28)(1st14)	14500	82.39	62.74	243.99	1	243.99 \$/HR						279.8 HR		68268
Pickup Truck Crew 4x4 1 ton (20-17) (1st14)	3620	27.05	61.72	114.1	1	114.1 \$/HR						279.8 HR		31925
Foreman Average Outside	1105	15.55	59.27	83.28	1	83.28 \$/HR						279.8 HR		23302
Subtotal														
														413660

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine															
Interim Sediment Control 12															
Backfill Pond With															
Embankment Material															
968G EROPS (9-37) (2nd2005) 2005	21000	119.32	0.1	63.03	325.53	1	325.53 \$/HR						6.8 HR		2214
CLAB					56.55	1	56.55 \$/HR						6.8 HR		385
Foreman Average, Outside					76.35	1	76.35 \$/HR						6.8 HR		519
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR						6.8 HR		566
Topsoil Placement															
1 Ft. Depth															
988G EROPS (9-37) (2nd2005) 2005	21000	119.32	0.1	63.03	325.53	1	325.53 \$/HR						2.2 HR		716
CLAB					56.55	1	56.55 \$/HR						2.2 HR		124
Foreman Average, Outside					76.35	1	76.35 \$/HR						2.2 HR		168
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR						2.2 HR		183
Diversion Removal DU2															
14H EROPS (9-11)(2H2005)	14500	82.39	0.1	62.74	243.99	1	243.99 \$/HR						1 HR		244
CLAB					56.55	1	56.55 \$/HR						1 HR		57
Foreman Average, Outside					76.35	1	76.35 \$/HR						1 HR		76
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	1105	15.55	0.1	59.27	83.28	1	83.28 \$/HR						1 HR		83
Subtotal															5335

Reveg.

