Appendix A Bond Addendums

			PR-11		TR-134		MR-229		TR-135
			DIRECT COST SUMMARY		J-Pit Dragline Cuts		J-Pit Additional Stripping		K Knob Extension
Activity			Cost ($)		Cost ($)		Cost ($)		Cost ($)
Direct Costs									
Regrade			$ 22,851,653		$ -		$ -		$ 5,176,399
Topsoil Replacement			$ 7,333,420		$ 383,845		$ 94,618		$ 161,780
Facilities Removal			$ 945,757		$ -		$ -		$ -
Revegetation			$ 2,067,465		$ 63,614		$ 4,598		$ 20,543
Miscellaneous			$ 859,138		$ -		$ -		$ -
Total			$ 34,057,433		$ 447,458		$ 99,217		$ 5,358,722
Indirect Costs									
Overhead & Profit									
Public Liability Ins (2.02%)		2.02%	$ 687,960	2.02%	$ 9,039	2.02%	$ 2,004	2.02%	$ 108,246
Contractor Perf Bond (1.05%)		1.05%	$ 357,603	1.05%	$ 4,698	1.05%	$ 1,042	1.05%	$ 56,267
Contractor Profit (10%)		10.00%	$ 3,405,743	10.00%	$ 44,746	10.00%	$ 9,922	10.00%	$ 535,872
Job Superintendent @ $75.13/Hr.	50% of total Ta	54076.00%	$ 708,124	0.014	$ 6,178	0.014	$ 1,370	0.014	$ 73,986
DRMS Admin Expense (6.90%) **		6.9%	$ 2,349,963	6.90%	$ 35,336	6.90%	$ 7,835	6.90%	$ 369,752
			$ 7,509,393		$ 99,997		$ 22,172		$ 1,144,123
	Total Indirect Cost		$ 7,509,393		$ 99,997		$ 22,172		$ 1,144,123
PR11 Worst Case Bond Estimate			$ 41,566,826		Revision Total		Revision Total		Revision Total
					$ 547,455		$ 121,389		$ 6,502,845
Acreage Change					110.8		12.3		50.8
Phase Bond Release Area Cost Accounting									
PR11 Worst Case Bond Estimate Total			$ 41,566,826.04						
Phase I Bond Release			$ 2,149,121.00						
Phase II Bond Release			$ 1,263,320.00		Accrued Total Bond		Accrued Total Bond		Accrued Total Bond
Grand Total PR11 Bond Estimate:			$ 44,979,268		$ 45,526,723		$ 45,648,112		$ 52,150,957
DRMS CIRCES Total (Per Permit Action)			$ 41,744,040.00		$ 533,170.00		$ 62,261.00		Trapper Estimate plus Current Liability
DRMS Total Bond Liability					$ 42,277,210.00		$ 42,342,699.00		$ 48,845,544.34

TR-135 Requested CIRCES Task NO3 Deduction (C-Pit Backfill)	$ 6,225,540.00
Trapper Estimated Total Bond with Task NO3 Removed	$ 45,925,417
Total DRMS Liability plus TR-135 and Task NO3 Removed	$ 42,620,004

Table A-1.1

Summary of Costs for Trapper Mine TR-135 (K Knob) Bond

TR-135_(K Knob)

Activity			Cost ($)	Supporting Information
Direct Costs				
Regrade		$	5,176,399	
Topsoil Replacement		$	161,780	
Facilities Removal		$	-	
Revegetation		$	20,543	
Miscellaneous		$	-	
Total		$	5,358,723	
Indirect Costs				
Overhead & Profit				
Public Liability Ins (2.02%)	2.02%	$	108,246	
Contractor Perf Bond (1.05%	1.05%	$	56,267	
Contractor Profit (10%)	10.00%	$	535,872	
Job Superintendent	0.014	$	73,986	* Ratio of TR-134/PR11 Direct Costs
		$	774,371	
Contract Amount		$	6,133,094	
Financial Warranty processi	Total=	$	-	
Engineering workand/or con	4.25%	$	227,746	
Reclamation management ar	2.65%	$	142,006	
Contingency	0.0%	$	-	
Total Indirect Cost		$	1,144,123	
PR11 Worst Case Bond Estimate Total		$	6,502,846	
Phase I Bond Release				
Phase II Bond Release				

Grand Total TR-135 (K Knob) Bond Esti	$	6,502,846

Table A-4.6a **Regrading Pit -(Jennings) J Pit East (Truck/Excavator)**

Cross Section	LCY	Haul Distance (ft.)	Average Grade (%)	Productvity (cyds/hr) *	Excavator Hours *	Fleet Hours *	Number of Trucks	Cost ($/hr)	Fleet Total Cost($)
Spoil to JE 05	55,150	2618	0.76%	4934	11	36	3.3	$ 3,339.73	$ 36,736.99
Boxcut 1 toJE 05	1,172,604	830	-9.88%	4770	246	590	2.4	$ 2,936.30	$ 722,329.74
Total	**1,227,754**	3448	-1.80%	4777	279	661	2.4	$ 2,922.83	**$ 815,468.91**

* from Talpac haul simulation

Regrading Pit - L (Lancaster-K Knob) Pits (Truck/Excavator)

Cross Section	LCY	Haul Distance (ft.)	Average Grade (%)	Productvity (cyds/hr) *	Excavator Hours *	Fleet Hours *	Number of Trucks	Cost ($/hr)	Fleet Total Cost($)
Spoil A to K Knob	547,516	4081	-4.37%	4437.87	123	395	3.2	$ 3,311.42	$ 407,304.87
Spoil B to K Knob	3,041,755	2448	-2.04%	4907	620	1984	3.2	$ 3,306.17	$ 2,049,825.40
Spoil C to Knob	2,494,239	5170	-4.24%	4815	518	2072	4.0	$ 3,675.29	$ 1,903,800.22
Total	**6,083,510**	3711	-3.15%	4827	1261	4732	3.8	$ 3,458.31	**$ 4,360,930.49**

* from Talpac haul simulation

Grading Total	**7,311,264**	**$ 5,176,399.40**

Table A-10.7 Calculations for time required for topsoiling - J Pit East (with Scrapers)

Jennings Pit East

Route From	Cubic Yards	Haul Distance (Ft.)	Average Grade (%)	Production Rate (cyds/hr)	Adjusted* Production (cyds/hr)	Scraper/Truck Hours	Number of Scrapers	Fleet Hours	Fleet Cost ($/hr)	Total ($)
		400	6.25							
JPE-1 to J Pit East	74,052	764	-3.9%	337.38	337	219	8	27.44	$ 5,615.15	$ 154,059.62
		1053	-6.7%							
	74,052	2,217	-1.49	337.38	337	219	8	27.44	$ 5,615.15	**$ 154,059.62**
	45.9	Acres								

Table A-10.7 Calculations for time required for topsoiling - Lancaster pit-K Knob (with Scrapers)

Lancaster Pit

Route From	Cubic Yards	Haul Distance (Ft.)	Average Grade (%)	Production Rate (cyds/hr)	Adjusted* Production (cyds/hr)	Scraper/Truck Hours	Number of Scrapers	Fleet Hours	Fleet Cost ($/hr)	Total ($)
L23-1 to L Pit Area 1(K Knob)	7,920	732	-3.4%	752	752	11	8	1	$ 5,615.15	$ 7,720.83
	7,920	732	-3.4%	752	752	11	8	1	$ 5,615.15	**7,721**
	4.9	Acres								

Total Jpit East + K Knob	**81,972**	**$ 161,780.46**

Table A-11.1 **Summary of estimated revegetation quantities and costs.**

Postmining Land Use	Location	Acres		Unit Cost ($/acre) (1)		Total Cost ($)
Cropland	None	0	$	223.64	$	-
Rangeland w/o shrubs (below 6700' Elev.)	Facilities	0.0	$	318.15	$	-
	Roads etc.	0.0	$	318.15	$	-
	Colt Pit	0.00	$	318.15	$	-
	Derringer (D) Pit	0.0	$	318.15	$	-
	Ithaca East Pit	0.00	$	318.15	$	-
	Jennings Pit	45.90	$	318.15	$	14,603.09
	Ithaca/Jennings Spoil Dump Stockpile	0.0	$	318.15	$	-
	BC Road	0.0	$	318.15	$	-
	Nighthawk Pit	0.0	$	318.15	$	-
	Coyote Pond	0.0	$	318.15	$	-
	Sage Pond	0.0	$	318.15	$	-
	Far East Buzzard Pond	0.0	$	318.15	$	-
	Johnson Coal Stockpile	0.0	$	318.15	$	-
	Dragline Walk Road	0.0	$	318.15	$	-
	topsoil Piles *	0.00	$	318.15	$	-
	Sub-Total	45.90			$	14,603.09
Rangeland w/shrubs (above 6700' Elev.)		0.0	$	586.70	$	-
		0.0	$	586.70	$	-
		0.0	$	586.70	$	-
	Lancastor Pit (K Knob Extension)	4.9	$	586.70	$	2,880.16
		0.0	$	586.70	$	-
		0.0	$	586.70	$	-
		0.0	$	586.70	$	-
		0.0	$	586.70	$	-
		0.00	$	586.70	$	-
		0.00	$	586.70	$	-
		0.00	$	586.70	$	-
		0.0	$	586.70	$	-
	Sub-Total	4.9			$	2,880.16
	Total Remaining Regrade	50.81	Acres		$	17,483.25
Re-seed For Failure (2)						
Cropland re-seed		0	$	137.20	$	-
Rangeland w/o shrubs re-seed		* 8.03	$	318.15	$	2,555.54
Rangeland w/shrubs re-seed		0.86	$	586.70	$	504.03
	Sub-Total	8.89			$	3,059.57
Other Costs						
Erosion Control Ditches 2,393	feet	* $	-	per 100 Feet	$	-
Drainage Stabilization 1.2	acres (3)	* $	-	per acre (4)	$	-
TOTAL					**$**	**20,542.82**

(1) Unit Cost from Table 1.4-11
(2) Based on 17.5% failure rate
(3) Pro-rated based on 25.7 ac PR11 drainage stabilization for 2307.8 PR11 Re-veg acres.
(4) Trapper's actual cost for the year 2006.