

ALLEGHENY COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening						Number and Type Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)
			Shaft		Slope		Drift	Gas- eous	Non- Gas- eous	Flame	Elec- tric	Ammonium Nitrate	Dynamite	
			Depth	Length	Degrees	Drift								
Aloe Coal Co. 02803001/02813012	Pittsburgh	60	-	-	-	-	-	-	-	-	-	2,174,680	7,800	-
Bayles, Brad D. & Hamrock, Robert G. 02860901	Pittsburgh	72	-	-	-	-	-	-	-	-	-	-	-	-
Bologna Mining Co. 02813002	Pittsburgh 8	48	-	-	-	-	-	-	-	-	-	-	-	-
Chambers Development Co. 02830103	Pittsburgh	36	-	-	-	-	-	-	-	-	-	-	-	-
Geupel Construction Co., Inc. 02870102	Pittsburgh 8	89	-	-	-	-	-	-	-	-	-	1,166,643	19,213	-
Kisow William J. 02840103	-	60	-	-	-	-	-	-	-	-	-	-	-	-
Mazzarini, Louis 02813007	Pittsburgh	68	-	-	-	-	-	-	-	-	-	-	-	-
North Allegheny Stone, Inc. 02850102	Upper Freeport	50	-	-	-	-	-	-	-	-	-	-	*	-
Pangersis Coal Co. 02860102	Pittsburgh 8	60	-	-	-	-	-	-	-	-	-	210,310	3,620	-
Xecol Corp. 02820105	Bituminous	54	-	-	-	-	-	-	-	-	-	-	-	-
COUNTY TOTAL											<u>3,551,633</u>	<u>30,633</u>	-	

Note: Contracted out

ARMSTRONG COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening						Number and Type Lamps Used			Pounds of Explosives Used		
			Shaft Depth	Slope Length	Drift Degrees	Drift	Gas- eous	Non- Gas- eous	Open	Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
Allegheny Mineral Corp. 03840105	Clarion	28	-	-	-	-	-	-	-	-	-	-	-	-
ALT Incorporated 03850112T	WF	36	-	-	-	-	-	-	-	-	342,525	2,249	-	-
Auger-BAM 3306	UF	36	-	-	-	-	-	-	-	-	-	-	-	-
											Total	342,525	2,249	-
Amerikohl Mining, Inc. 03870101	UF	48	-	-	-	-	-	-	-	-	7,902	75	180	-
Bartley, Carl & Jewel 03783014	MK	20	-	-	-	-	-	-	-	-	-	-	-	-
Cal Coal Corp. 03830109	Freeport	30	-	-	-	-	-	-	-	-	105,900	-	-	-
Carpentertown Coal & Coke Co. 1-00184	UF	32	-	-	-	-	-	-	-	-	-	-	-	-
Cherep's Excavating 03880102	LF	18	-	-	-	-	-	-	-	-	-	-	-	-
Cloe Mining Co., Inc. 03840113	LF/UK	14-24	-	-	-	-	-	-	-	-	498,625	5,137	-	-
Coal Bucket Mining Co. 03813017	UF	34	-	-	-	-	-	-	-	-	22,167	877	-	-
Cookport Coal Co., Inc. 03878104	LK	31	-	-	-	-	-	-	-	-	1,600	36	-	-
D. J. & W. Mining, Inc. 03810101 - 03860104	LF	27	-	-	-	-	-	-	-	-	-	-	-	-
Darmae Coal Inc. 03803059T	UF	34	-	-	-	-	-	-	-	-	413,940	6,759	-	-
0384112	LUF	60	-	-	-	-	-	-	-	-	911,037	7,949	-	-
03850107	UF	34	-	-	-	-	-	-	-	-	-	-	-	-
Auger BAM-3276	UF	34	-	-	-	-	-	-	-	-	-	-	-	-
Auger BAM-3277-3282	ULF	28	-	-	-	-	-	-	-	-	-	-	-	-
Auger BAM-3314-3316-3275 & 3285	UF	34	-	-	-	-	-	-	-	-	-	-	-	-
											Total	1,324,977	14,708	-

ARMSTRONG COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		
			Shaft Depth	Slope		Drift Drift	Flame Open			Elec- Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
				Length	Degrees										
Daybrook Coal Co. 03813074	UF	38	-	-	-	-	-	-	-	-	-	103,648	624	-	
Davis Coal Co. 03860106	UF	48	-	-	-	-	-	-	-	-	-	-	-	-	
Doverspike Bros. Coal Co. 03803034	LK	24	-	-	-	-	-	-	-	-	-	5,890	80	80*	
03830112	M & LK	20-30	-	-	-	-	-	-	-	-	-	-	-	-	
03860107	LK	24	-	-	-	-	-	-	-	-	-	-	-	-	
Total											5,890	80	80		
Doverspike, Gary C. 03830110	UF	48	-	-	-	-	-	-	-	-	-	-	-	-	
03850102	LK	26	-	-	-	-	-	-	-	-	-	-	-	-	
Glacial Minerals, Inc. 03880101	UF	28	-	-	-	-	-	-	-	-	-	1,356,700	3,376	30,545	
Houser Coal Co., Inc., Walter L. 03830116C	LF	32-34	-	-	-	-	-	-	-	-	-	150,101	1,259	-	
K. M. P. Associates 03850113	UF	42	-	-	-	-	-	-	-	-	-	-	-	-	
Kent Coal Mining Co. 03793072C	Pittsburgh	132	-	-	-	-	-	-	-	-	-	356,235	3,101	-	
03850105(T)	UF	42-45	-	-	-	-	-	-	-	-	-	197,778	17,047	-	
03880103	UF	42-45	-	-	-	-	-	-	-	-	-	28,902	2,491	-	
Auger-BAM 3281	UF	42-45	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3281	UF	42-45	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3286	UF	42-45	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3310	UF	42-45	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3310	UF	42-45	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3312	UF	42-45	-	-	-	-	-	-	-	-	-	-	-	-	
Total											582,915	22,639	-		

ARMSTRONG COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening				Non- Gas- eous	Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)
			Shaft Depth	Slope Length	Drift Degrees	Drift			Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	
Manor Minerals, Inc. 03823027T	Freeport	144	-	-	-	-	-	-	-	-	-	5,650	5,102	-
3572SM17	Vanport	96	-	-	-	-	-	-	-	-	-	1,150	2,588	-
											Total	6,800	7,690	-
M. B. Energy, Inc. 0383016	LF	38	-	-	-	-	-	-	-	-	-	316,991	-	1,960@
03830113	UF	44	-	-	-	-	-	-	-	-	-	198,775	4,305	-
											Total	515,746	4,305	1,960
McKay Coal Co., Inc. 03763005	UF	36	-	-	-	-	-	-	-	-	-	1,106,705	10,454	-
Mears Enterprises, Inc. 03850119	UF	36	-	-	-	-	-	-	-	-	-	121,750	2,231	-
Auger-BAM-3298	UF	36	-	-	-	-	-	-	-	-	-	-	-	-
											Total	121,750	2,231	-
Mill Run Contracting 03870103	UF	36	-	-	-	-	-	-	-	-	-	-	207,272	-
Ratay Coal, Inc. 03860110	LF	20	-	-	-	-	-	-	-	-	-	-	-	-
Seven Sisters Mining Co., Inc. 03860401	LK	18	-	-	-	-	-	-	-	-	-	6,137	740	-
Snyder Co., C. H. 0383044	UF	48	-	-	-	-	-	-	-	-	-	2,468,989	8,997	10,949
State Industries, Inc. 03830118	LF, LMK, Clarion	6-24- 26-32	-	-	-	-	-	-	-	-	-	1,473,805	6,407	9,126
03840106	ULF, UMK	24-39-72	-	-	-	-	-	-	-	-	-	-	-	-
03860111	UF	48	-	-	-	-	-	-	-	-	-	-	-	-
											Total	1,473,805	6,407	9,126

ARMSTRONG COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Non- Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		
			Shaft Depth	Slope		Drift Drift	Gas- eous			Flame Open	Elec- Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
				Length	Degrees										
T. C. Mining 03880106	LF	30	-	-	-	-	-	-	-	-	-	-	-	-	-
TDK Coal Sales, Inc. 03850103	UF	24	-	-	-	-	-	-	-	-	-	-	-	-	-
03880112	UF	20	-	-	-	-	-	-	-	-	-	-	-	-	-
Terry Coal Sales, Inc. 03850117	MK	22	-	-	-	-	-	-	-	-	-	751,500	7,877	-	-
03860103	UF	36	-	-	-	-	-	-	-	-	-	147,955	2,974	-	-
03880109	UF	34	-	-	-	-	-	-	-	-	-	-	-	-	-
												Total	899,455	10,851	-
Turner Enterprises, Bill 03830108	UMK	30-31	-	-	-	-	-	-	-	-	-	226,633	4,139	-	-
Windber High Standard Coal Co. 03823013	Pittsburgh	100	-	-	-	-	-	-	-	-	-	-	-	-	-
												COUNTY TOTAL	11,328,970	314,146	52,840

Note:

- * Caps
- @ Cast Primers

Symbols for Geological Name of Coal Bed

- UK - Upper Kittanning
- MK - Middle Kittanning
- LK - Lower Kittanning
- UF - Upper Freeport
- MF - Middle Freeport
- LF - Lower Freeport

BEAVER COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Number and Type Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)		
			Shaft Depth	Slope		Drift Drift	Gas- eous	Non- Gas- eous	Flame Open	Elec- Safety	Elec- tric	Ammonium Nitrate		Dynamite	
				Length	Degrees										
Amerikohl Mining, Inc.															
04850103	MK	19	-	-	-	-	-	-	-	-	-	-	-	-	-
04880103	LF	28	-	-	-	-	-	-	-	-	-	37,150	194	-	
										Total		37,150	194	-	
Commercial Minerals, Inc.															
04880105	East Palestine	24	-	-	-	-	-	-	-	-	-	151,750	-	-	
Kerry Coal Co.															
04823005	MLK	26-29	-	-	-	-	-	-	-	-	-	258,450	1,970	2,905	
04823006	MLK/LF	16-27-25	-	-	-	-	-	-	-	-	-	205,990	2,121	3,336	
04870101	MK	29	-	-	-	-	-	-	-	-	-	-	-	-	
04870102	UF	36	-	-	-	-	-	-	-	-	-	124,027	1,376	2,418	
Auger-BAM 3252	LF	25	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3265	LMK	26-29	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3291	MK	29	-	-	-	-	-	-	-	-	-	-	-	-	
										Total		588,467	5,467	8,659	
Wright, Inc., Grant R.															
0484101	LMK	12-20	-	-	-	-	-	-	-	-	-	-	-	-	
										COUNTY TOTAL		777,367	5,661	8,659	

Note:

- UK - Upper Kittanning
- MK - Middle Kittanning
- LK - Lower Kittanning
- UF - Upper Freeport
- MF - Middle Freeport
- LF - Lower Freeport

BEDFORD COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		
			Shaft Depth	Slope		Drift Drift	Open			Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
				Length	Degrees										
Dash Coal Co., Inc. 003753004	Big Pittsburgh	36	-	-	-	-	-	-	-	-	-	49,480	233	100*	
003753002	Fulton	36	-	-	-	-	-	-	-	-	-	158,534	1,151	475*	
05803009	Fulton/Barnett	36	-	-	-	-	-	-	-	-	-	54,961	3,082	980*	
												Total	262,975	4,466	1,555
KGR Mining, Inc. 05743006	Kelly/Barnet	30-36	-	-	-	-	-	-	-	-	-	117,225	1,898	-	
												COUNTY TOTAL	380,200	6,364	1,555

Note:

* Electric Caps

BLAIR COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening						Number and Type Lamps Used			Pounds of Explosives Used		
			Shaft Depth	Slope		Drift Drift	Non- Gas- eous	Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
				Length	Degrees									
Cooney Bros. Coal Co. 07850103	Brookville,	36-18												
	Clarion, MK	20	-	-	-	-	-	-	-	-		47,000	6,200	-
11813015	LK	30	-	-	-	-	-	-	-	-		85,000	9,500	-
										Total		132,000	15,700	-
												132,000	15,700	-
										COUNTY TOTAL		132,000	15,700	-

Note:

Symbols for Geological Name of Coal Bed:

- UK - Upper Kittanning
- MK - Middle Kittanning
- LK - Lower Kittanning
- UF - Upper Freeport
- MF - Middle Freeport
- LF - Lower Freeport

BUTLER COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)
			Shaft Depth	Slope Length	Drift Degrees	Drift	Open			Safety	Elec- tric	Ammonium Nitrate	Dynamite		
														Flame	
Malinski Mining Co., Inc. 10850103	MK	30	-	-	-	-	-	-	-	-	-	286,790	36,231	-	
McKnight Coal Corp. 10840113	MK	34	-	-	-	-	-	-	-	-	-	551,523	3,651	-	
Pengrove Coal Co. 10820117	Brookville	30	-	-	-	-	-	-	-	-	-	562,850	78,227#	2,623@	
10830107	LK	28	-	-	-	-	-	-	-	-	-	189,900	4,394#	1,393@	
10840123	Brookville	30	-	-	-	-	-	-	-	-	-	293,450	1,120#	1,317@	
											Total	1,046,200	83,791	5,333	
Romanko Bros. Cnt. Inc. 10820124	MK	28	-	-	-	-	-	-	-	-	-	-	-	-	
Rusnak Coal Co. 10860103	Brookville	24	-	-	-	-	-	-	-	-	-	32,100	5,436	-	
Siegel, Thomas F. 10820142	U & L Clarion	17-33	-	-	-	-	-	-	-	-	-	20,620	513	240(b)	
10840111	MK/U & L Clarion	26-17- 36	-	-	-	-	-	-	-	-	-	198,460	3,810	31,625(h)	
											Total	219,080	4,323	31,865	
State Industries, Inc. 10830114	UK	24	-	-	-	-	-	-	-	-	-	-	-	-	
Sunbeam Coal Corp. 10823012	LF	30-48	-	-	-	-	-	-	-	-	-	-	-	429,620@	
10823013	Brookville	24-36	-	-	-	-	-	-	-	-	-	-	-	18,660@	
10850101	Brookville	20-25	-	-	-	-	-	-	-	-	-	-	-	-	
10860111	UMK	24-36	-	-	-	-	-	-	-	-	-	-	-	196,966@	
											Total	-	-	645,246	

BUTLER COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening						Number and Type Lamps Used			Pounds of Explosives Used			
			Shaft Depth	Slope		Drift	Gas- Drift	Gas- eous	Non- Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
				Length	Degrees										
Amerikohl Mining, Inc. 10860106 10870103	UK MK/UF	18 20-24	- -	- -	- -	- -	- -	- -	- -	- -	- -	279,446 695,278	1,822 3,357	5,004 4,981	
												Total			
												974,724	5,179	9,985	
Big B Mining Co., Inc. 10830102 10840117	MK MK	22 33	- -	- -	- -	- -	- -	- -	- -	- -	- -	- 20,715	- 313	- 350*	
C & C Drilling, Inc. 10870106	Brookville	24	-	-	-	-	-	-	-	-	-	72,475	1,835	48,690#	
C & K Coal Co. 10860118	MK	20	-	-	-	-	-	-	-	-	-	212,432	1,247	2,036*	
Darmac Coal, Inc. 10840122 10860113 Auger-BAM 5171 & 5189	UF UF UF	36 32 36	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	243,494 - -	2,903 - -	- - -	
												Total			
												243,494	2,903	-	
Glacial Minerals, Inc. 10813016 10850107 10870102 10880102	ULK/MK ULF Up. & Lo. Clarion Up. & Lo. Clarion, MK	16-22-20 18-24 16-22 16-22 16-20-22	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	543,490 1,137,700 1,055,010 -	2,184 3,938 4,239 -	29,376# 39,440# 57,024# -	
												Total			
												3,171,200	11,918	149,385	
H & D Coal Co. 10860114 10870105	Brookville/ Clarion Brookville	30-16 36	- -	- -	- -	- -	- -	- -	- -	- -	- -	1,735,196 278,690	109,908# 84,885#	13,649# 3,491#	
												Total			
												2,013,886	194,793	17,140	

309

BUTLER COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening				Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)	
			Shaft Depth	Slope		Drift Drift			Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite		
				Length	Degrees										
Western Hickory Coal Co.															
10803018	MK	30	-	-	-	-	-	-	-	-	-	256,998	1,207	1,866	
10860104	UF	36	-	-	-	-	-	-	-	-	-	513,996	2,415	3,734	
10870104	MK	30	-	-	-	-	-	-	-	-	-	770,993	3,621	5,600	
												Total	1,541,987	7,243	11,200
Willowbrook Mining Co.															
10820126	LMK	30	-	-	-	-	-	-	-	-	-	622,690	237,305#	5,491@	
Wright, Inc., Grant R.															
10830115	MK	30	-	-	-	-	-	-	-	-	-	103,410	953	-	
10860115	MK	30	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	103,410	953	-
												COUNTY TOTAL	11,112,706	597,121	926,721

Note:

- * Caps
- # Wet Hole
- @ Primers
- (b) Poweran
- o Anfo
- UK - Upper Kittanning
- MK - Middle Kittanning
- LK - Lower Kittanning
- UF - Upper Freeport
- MF - Middle Freeport
- LF - Lower Freeport

CAMBRIA COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)	
			Shaft Depth	Slope		Drift Drift	Flame			Elec- tric	Ammonium Nitrate	Dynamite				
				Length	Degrees											
Becker Coal Co., Paul F																
11803001	UF	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auger-BAM 2001-192	UF	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bender Coal Co., E.P.																
11793025	Mercer, Brook- ville, LK	30-32	-	-	-	-	-	-	-	-	-	2,260,170	45,079	-	-	-
11823029	UK	20	-	-	-	-	-	-	-	-	-	521,395	6,495	-	-	-
11850110	ULF	32-36	-	-	-	-	-	-	-	-	-	348,525	5,672	-	-	-
11850111	UK	36	-	-	-	-	-	-	-	-	-	57,310	1,225	-	-	-
11860102	UF	32	-	-	-	-	-	-	-	-	-	1,387,500	14,123	-	-	-
												Total	4,574,900	72,594		
Bethmar Enterprises, Inc.																
11850109	Mahoning, ULF, UK	14-32 34-38	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black Oak Development Corp.																
11870106	Brookville	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cambria Coal Co.																
11783028	ULF	23-29	-	-	-	-	-	-	-	-	-	851,601	1,960	3,897*	-	-
11783035	LF, MK	15-18-28	-	-	-	-	-	-	-	-	-	4,936,643	13,300	28,460*	-	-
11823002	ULMK	19-24-26	-	-	-	-	-	-	-	-	-	38,704	149	263*	-	-
11823020	ULF	26-29	-	-	-	-	-	-	-	-	-	1,132,196	3,249	6,437*	-	-
11860103	UF	26	-	-	-	-	-	-	-	-	-	170,385	692	1,270*	-	-
Auger-BAM (11783028) 2001-250	ULF	23-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-
												Total	7,129,529	19,350	40,327	
Cooney Bros. Coal Co.																
11673041	UF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11693042	LF	40	-	-	-	-	-	-	-	-	-	130,000	6,500	-	-	-
11773037	LUF	40	-	-	-	-	-	-	-	-	-	160,000	6,000	-	-	-
11803024	UK	40	-	-	-	-	-	-	-	-	-	32,000	5,000	-	-	-

CAMBRIA COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening						Number and Type Lamps Used			Pounds of Explosives Used			Other Permis- sible (Name)
			Shaft Depth	Slope Length	Drift Degrees	Drift Drift	Gas- eous	Non- Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite		
														Total	
Cooney Bros. Coal Co. (Continued)															
11813038	Brookville	32	-	-	-	-	-	-	-	-	-	440,000	23,000	-	
11813039	Brookville	30	-	-	-	-	-	-	-	-	-	600,000	30,000	-	
11813040	Brookville	42	-	-	-	-	-	-	-	-	-	155,000	6,500	-	
11823003	LF	40	-	-	-	-	-	-	-	-	-	35,000	3,000	-	
11860104	Brookville	30	-	-	-	-	-	-	-	-	-	5,000	400	-	
												Total	1,159,000	80,000	-
GLR Mining, Inc.															
11823030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GARD Mining, Inc.															
11810114	MLUK	18-36-44	-	-	-	-	-	-	-	-	-	22,700	456	683	
11840111	LF, UK	24-30	-	-	-	-	-	-	-	-	-	127,085	1,448	1,510	
												Total	149,785	1,904	2,193
Hepburnia Coal Co.															
11840110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
K & J Coal Co., Inc.															
11693000	UF, UK	25-51	-	-	-	-	-	-	-	-	-	6,047,836	301,008	571,569@	
11813010	UF	24	-	-	-	-	-	-	-	-	-	240,410	26,482	4,524*	
Auger-BAM 2001-260	UK	45	-	-	-	-	-	-	-	-	-	-	-	4,524*	
												Total	6,288,246	327,490	614,637
L & J Energy Co., Inc.															
11823011	LUF, UK	30	-	-	-	-	-	-	-	-	-	48,000	2,800	-	
M. B. Energy, Inc.															
11823004	ULF, UK	40-42-36	-	-	-	-	-	-	-	-	-	299,055	2,195	2,566	
11830102T	LMK	32-40	-	-	-	-	-	-	-	-	-	381,066	-	1,390	
11870101	ULF	40	-	-	-	-	-	-	-	-	-	48,220	367	36	

CAMBRIA COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)
			Shaft		Slope		Drift			Open	Flame	Elec- tric	Ammonium Nitrate	Dynamite	
			Depth	Length	Degrees	Drift									
M. B. Energy, Inc. (Continued)															
Auger-BAM 2001-242 and	UF	40	-	-	-	-	-	-	-	-	-	-	-	-	-
2001-259	ULF, UK	40-42-36	-	-	-	-	-	-	-	-	-	-	-	-	-
Auger-BAM 2001-264 and	UF	40	-	-	-	-	-	-	-	-	-	-	-	-	-
2001-267	LF	40	-	-	-	-	-	-	-	-	-	-	-	-	-
										Total		<u>728,341</u>	<u>2,562</u>	<u>3,992</u>	
Mazzarella Coal Co.															
1183034	UF	30	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratay Coal Inc.															
11813005	LUF	36-40	-	-	-	-	-	-	-	-	-	83,170	1,394	-	-
Rich Coal Co., Inc.															
11860105	MK	18-20	-	-	-	-	-	-	-	-	-	102,375	426	649*	-
Sky Haven Coal, Inc.															
11870105	LF	30	-	-	-	-	-	-	-	-	-	-	-	-	-
Swistock Assoc. Coal Corp.															
11823023	Clarion	32	-	-	-	-	-	-	-	-	-	12,305	98	170	-
Wesott, Inc.															
11773017	LK	48	-	-	-	-	-	-	-	-	-	83,998	1,628	-	-
11840103	LKMK	10-48	-	-	-	-	-	-	-	-	-	172,434	3,509	-	-
Auger-BAM 2001-189	MK	20	-	-	-	-	-	-	-	-	-	79,563	1,375	-	-
										Total		<u>335,995</u>	<u>6,512</u>	<u>-</u>	
Westrick, Raymond															
11803044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
										COUNTY TOTAL		<u>20,611,646</u>	<u>515,530</u>	<u>661,968</u>	

Note:

* Blasting Caps
@ Slurry

Symbols for Geological Name of Coal Bed:

UK - Upper Kittanning	UF - Upper Freeport
MK - Middle Kittanning	MF - Middle Freeport
LK - Lower Kittanning	LF - Lower Freeport

CENTRE COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)
			Shaft Depth	Slope		Drift	Flame			Elec- tric	Ammonium Nitrate	Dynamite			
				Length	Degrees										
AME Enterprises, Inc. 14813001	UMK	8-10-24	-	-	-	-	-	-	-	-	-	70,022	567	-	
Avery Coal Co., Inc. 14803008	LK/Clarion	14-48	-	-	-	-	-	-	-	-	-	404,710	3,426	-	
Brown, Inc., E.M. 14860102	MUK	30	-	-	-	-	-	-	-	-	-	-	-	-	
Carlin, Inc., R. S. 1473309	Brookville	20-30	-	-	-	-	-	-	-	-	-	336,300	1,000	1,615*	
Chews Contracting Co., Inc. 14840103	Clarion A	17	-	-	-	-	-	-	-	-	-	72,636	-	-	
Johnson & Morgan 14820102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lobb Mining Co. 14743007	Brookville	30	-	-	-	-	-	-	-	-	-	1,813,543	50,533	@	
PAC Coal Co. 14880101	-	12	-	-	-	-	-	-	-	-	-	645	167	98*	
Power Operating Co., Inc. 14663003	MUK	8-36	-	-	-	-	-	-	-	-	-	3,316	884,848	-	
14663004	MUK	8-36	-	-	-	-	-	-	-	-	-	4,679	1,101,862	-	
14663005	MUK	8-36	-	-	-	-	-	-	-	-	-	7,691	2,098,474	-	
14850101	UMK	12-32	-	-	-	-	-	-	-	-	-	4,558	726,585	-	
												Total	20,244	4,811,769	-
Stott Coal Co., Inc. 14673012	(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	
COUNTY TOTAL												<u>2,718,100</u>	<u>4,867,462</u>	<u>1,713</u>	

Note:

- @ Power and Wet Pak
- (A) Contract Blaster
- * Caps

Symbols for Geological Name of Coal Bed:

- | | |
|------------------------|----------------------|
| UK - Upper Kittanning | UF - Upper Freeport |
| MK - Middle Kittanning | MF - Middle Freeport |
| LK - Lower Kittanning | LF - Lower Freeport |

CLARION COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used				
			Shaft Depth	Slope		Drift Drift	Open			Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)			
				Length	Degrees												
Ancient Sun, Inc.																	
16850108	MK	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16860106	M & LK	26-38	-	-	-	-	-	-	-	-	-	38,340	1,318	-	-	-	
												Total	38,340	1,318	-	-	
ASPEN Minerals, Inc.																	
16840110	UMK	20-22	-	-	-	-	-	-	-	-	-	90,670	1,432	-	-	-	
C & K Coal Co.																	
16703006	LMK	19-24	-	-	-	-	-	-	-	-	-	665,784	2,611	3,441	-	-	
16743038	MK	24	-	-	-	-	-	-	-	-	-	31,368	260	431	-	-	
16753010	MLK	19-38	-	-	-	-	-	-	-	-	-	7,574,736	23,439	30,783	-	-	
16753017	Up & Lo Clarion	37-46	-	-	-	-	-	-	-	-	-	88,051	1,167	1,461	-	-	
16753025	Up & Lo Clarion	16-20	-	-	-	-	-	-	-	-	-	24,326	223	458	-	-	
16793006	LK,UL Clarion	37-20-27	-	-	-	-	-	-	-	-	-	450,553	3,595	6,313	-	-	
16850106	MK	27	-	-	-	-	-	-	-	-	-	343,389	5,134	3,220	-	-	
16850109	MK	24	-	-	-	-	-	-	-	-	-	118,450	734	1,187	-	-	
												Total	9,296,657	37,163	47,294	-	-
Colt Resources, Inc.																	
16773010	LMK	24	-	-	-	-	-	-	-	-	-	570,373	-	-	-	-	
16793028	LMK	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16813005	LK	28	-	-	-	-	-	-	-	-	-	193,550	-	-	-	-	
16820119	UL Clarion	22-18	-	-	-	-	-	-	-	-	-	474,844	-	-	-	-	
16830121	MK	24	-	-	-	-	-	-	-	-	-	815,870	-	-	-	-	
16880101	MK	22	-	-	-	-	-	-	-	-	-	167,385	-	-	-	-	
												Total	2,222,022	-	-	-	-
Doverspike Bros. Coal Co.																	
16800132	Lo & Up Clarion	18-40	-	-	-	-	-	-	-	-	-	1,498,090	15,567	15,988	-	-	
16860112	UF	50	-	-	-	-	-	-	-	-	-	10,500	186	186	-	-	
												Total	1,508,590	15,753	16,174	-	-

CLARION COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening						Number and Type Lamps Used			Pounds of Explosives Used		
			Shaft Depth	Slope		Drift Drift	Gas- eous	Non- Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
				Length	Degrees									
Eye's Dozer Service 16870102	LK	40	-	-	-	-	-	-	-	-	-	-	-	-
Gearhart, Alvin 16713021	LF	60	-	-	-	-	-	-	-	-	164,193	3,600	-	-
Glacial Minerals, Inc. 16793048	LF	28	-	-	-	-	-	-	-	-	323,000	960	2,975	-
16880103	ULF	22-28	-	-	-	-	-	-	-	-	430,400	1,777	5,275	-
Heeter	Up & Lo Clarion	20	-	-	-	-	-	-	-	-	129,822	1,033	30,947	-
Rhonemus	Up & Lo Clarion	20	-	-	-	-	-	-	-	-	66,878	532	15,943	-
											Total	950,100	4,302	55,140
McKay Coal Co., Inc. 16773009	U & MK	18-24	-	-	-	-	-	-	-	-	1,101,380	12,147	-	-
16860105	MK	20	-	-	-	-	-	-	-	-	110,085	2,426	-	-
											Total	1,211,465	14,573	-
Miles Coal Co., Clyde 16803024	M & UK	18-22	-	-	-	-	-	-	-	-	54,180	8,741	-	-
Reddinger, Terry 16793005	MK	20	-	-	-	-	-	-	-	-	975,540	9,526	-	-
16793015	MK	17	-	-	-	-	-	-	-	-	-	-	-	-
											Total	975,540	9,526	-
Reichard Contracting, Inc. 16840106	MK	24	-	-	-	-	-	-	-	-	537,040	6,827	-	-
Reichard Paving & Excavating, Gene 16830116	UK	30-36	-	-	-	-	-	-	-	-	44,020	658	-	-
R. E. M. Coal Co., Inc. 16753059	Clarion-K	38-34	-	-	-	-	-	-	-	-	125,665	3,095	-	-
16840108	LMK	14-48	-	-	-	-	-	-	-	-	187,355	1,698	-	-
											Total	313,020	4,793	-

CLARION COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Non- Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)
			Shaft Depth	Slope		Drift Drift	Open			Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite		
				Length	Degrees										
Shaffer Mining Corp. 16820125	LK	18	-	-	-	-	-	-	-	-	-	5,460	360	-	
State Industries, Inc. 16850114	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
T.D.K. Coal Sales, Inc. 3607707	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
Terry Coal Sales, Inc. 16820120	MUK	41	-	-	-	-	-	-	-	-	-	-	-	-	
16840109	UK/LF	55	-	-	-	-	-	-	-	-	-	1,681,920	32,041	-	
16850115	MK	23	-	-	-	-	-	-	-	-	-	19,180	495	-	
16850116	MUK	43	-	-	-	-	-	-	-	-	-	272,150	3,001	-	
16860114	MUK/LUF	95	-	-	-	-	-	-	-	-	-	1,738,855	24,371	-	
16870103	MUK	42	-	-	-	-	-	-	-	-	-	1,268,790	12,659	-	
16870105	MUK/LF	72	-	-	-	-	-	-	-	-	-	1,268,650	10,747	-	
Total												6,249,545	83,314	-	
COUNTY TOTAL												24,231,215	192,360	118,608	

Note:

Symbols for Geological Name of Coal Bed:

- UK - Upper Kittanning
- MK - Middle Kittanning
- LK - Lower Kittanning
- UF - Upper Freeport
- MF - Middle Freeport
- LF - Lower Freeport