

ALLEGHENY 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 Open			Elec- tric	Ammonium Nitrate	Dynamite			
				Length	Degrees										
All American Gourmet Inc. Authorization	Pittsburgh	60	-	-	-	-	-	-	-	-	-	-	-	-	-
Aloe Coal Co. 02890103	Pittsburgh	60	-	-	-	-	-	-	-	-	-	-	-	-	-
Arnoni Co., M. C. 02860104	Redstone	24	-	-	-	-	-	-	-	-	-	-	-	-	-
02900102	Pittsburgh	65	-	-	-	-	-	-	-	-	-	272,089	-	-	-
02900102	Redstone	24	-	-	-	-	-	-	-	-	-	-	-	-	-
												<b>TOTAL</b>	<b>272,089</b>	<b>-</b>	<b>-</b>
Blank Construction 02900901	Pittsburgh	96	-	-	-	-	-	-	-	-	-	-	-	-	-
Bologna Mining Co. 02823010	Pittsburgh No. 8	48	-	-	-	-	-	-	-	-	-	407,990	4,702	34,165	-
Chambers Development Co., Inc. 02830103	Pittsburgh	36	-	-	-	-	-	-	-	-	-	-	-	-	-
Deep Valley Coal & Disposal, Inc. 02743004R	Pittsburgh	60	-	-	-	-	-	-	-	-	-	17,570	136	-	-
General Services Administration Waiver	Pittsburgh	108	-	-	-	-	-	-	-	-	-	-	-	-	-
Kerry Coal Co. 02860103	Pittsburgh	60	-	-	-	-	-	-	-	-	-	3,060	51	86	-

ALLEGHENY 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 Length	Drift Degrees	Gas- Drift	Non- Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
Kisow, William J. 02840103	Pittsburgh	60	-	-	-	-	-	-	-	-	-	-	-
Lang, Richard E. 02910901	Pittsburgh	70	-	-	-	-	-	-	-	-	-	-	-
Minerals Technology, Inc. 02860201 refuse	Freeport	-	-	-	-	-	-	-	-	-	-	-	-
Nickolich, John P. 02890101	Pittsburgh	60	-	-	-	-	-	-	-	-	-	-	-
Pangersis Coal Co. 02860102	Pittsburgh No. 8	60	-	-	-	-	-	-	-	-	252,290	12,171	-
											<u>952,999</u>	<u>17,060</u>	<u>34,251</u>

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		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				
Allegheny Mineral Corp. 03840105	M.L.K.	28-40	-	-	-	-	-	-	-	-	-	-	-	1,384,126	10,203	17,615*	
ALT Incorporated 03900106	U.F.	32	-	-	-	-	-	-	-	-	-	-	-	171,830	2,806	615#	
Bartley, Carl & Jewel 03783014	M.K.	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cherep's Excavating 03880102	U.F.	36	-	-	-	-	-	-	-	-	-	-	-	50,842	-	1,663	
Cooksport Coal Co., Inc. 03485014	L.K.	36	-	-	-	-	-	-	-	-	-	-	-	13,550	104	1,434#	
03870104	L.K.	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Darmac Coal Inc. 03803059	U.F.	30-34	-	-	-	-	-	-	-	-	-	-	-	1,150	1,360	-	
03840112	U.L.F.	70	-	-	-	-	-	-	-	-	-	-	-	266,402	2,450	-	
03890108	U.M.K.	58	-	-	-	-	-	-	-	-	-	-	-	532,550	540	-	
03900103	U.F.	36	-	-	-	-	-	-	-	-	-	-	-	6,500	78	-	
														<b>TOTAL</b>	<b>806,602</b>	<b>4,428</b>	<b>-</b>
Daybrook Coal Co. 03813074	U.F.	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3379	U.F.	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
03880123	U.F.	40	-	-	-	-	-	-	-	-	-	-	-	92,512	628	-	
Auger BAM 3393	U.F.	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
														<b>TOTAL</b>	<b>92,512</b>	<b>628</b>	<b>-</b>
D. J. & W. Mining, Inc. 03880119	L.F.	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Doverspike, Gary C. 03850102	L.K.	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
03880116	L.F.	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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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		Other Permis- sible (Name)
			Shaft Depth	Slope Length	Drift Degrees	Drift Drift	Gas- eous			Flame Open	Elec- tric	Ammonium Nitrate	Dynamite		
Houser Coal Co., Inc., Walter L. 03880104	U.F.	32	-	-	-	-	-	-	-	-	-	153,445	3,359	12,928	
Houser, Earl O. 033663009	U.K./L.F.	16-40	-	-	-	-	-	-	-	-	-	1,600	135	-	
Kent Coal Mining Co. 03870105	L.U.F.	22-44	-	-	-	-	-	-	-	-	-	-	-	-	
03880103	U.F.	45	-	-	-	-	-	-	-	-	-	-	-	-	
03880120	Pittsburgh	132	-	-	-	-	-	-	-	-	-	36,700	500	-	
03890113	U.F.	48	-	-	-	-	-	-	-	-	-	173,595	3,285	-	
Auger-BAM 3366	L.U.F.	22-44	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3368	U.F.	45	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3375	Pittsburgh	132	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3377	L.U.F.	22-44	-	-	-	-	-	-	-	-	-	-	-	-	
												<b>TOTAL</b>	<b>210,295</b>	<b>3,785</b>	<b>-</b>
K.M.P. Associates 03850113	U.F.	42	-	-	-	-	-	-	-	-	-	5,320	900	-	
M. B. Energy, Inc. 03880107	L.U.F.	30-52	-	-	-	-	-	-	-	-	-	91,400	1,715	601#	
Auger-BAM 3385	L.U.F.	30-52	-	-	-	-	-	-	-	-	-	-	-	-	
												<b>TOTAL</b>	<b>91,400</b>	<b>1,715</b>	<b>601</b>
McKay Coal Corp. 03890107	U.F.	40	-	-	-	-	-	-	-	-	-	946,400	9,507	-	
03890112	U.M.K./L.F.	24	-	-	-	-	-	-	-	-	-	-	-	-	
03910103	L.F.	45	-	-	-	-	-	-	-	-	-	-	-	-	
												<b>TOTAL</b>	<b>946,400</b>	<b>9,507</b>	<b>-</b>

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ARMSTRONG 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		Drift Drift	Gas- eous	Non- Gas- eous	Open	Flame	Elec- tric	Ammonium Nitrate	Dynamite		
				Length	Degrees										
Mears Enterprises, Inc.															
03880114	L.U.F	30-40	-	-	-	-	-	-	-	-	-	98,695	2,562	-	
03890110	L.F.	30	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3370	L.U.F	30-40	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3373	L.F.	30	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3374	L.F.	30	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 3390	L.F.	30	-	-	-	-	-	-	-	-	-	-	-	-	
												<b>TOTAL</b>	<b>98,695</b>	<b>2,562</b>	<b>-</b>
Mill Run Contracting, Inc. 102044	U.F.	41	-	-	-	-	-	-	-	-	-	225,870	3,716	-	
MRC Mining 03890114	Bituminous	40	-	-	-	-	-	-	-	-	-	135,079	712	1,523*	
Pangersis Coal Co. (b) 03860102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratay Coal, Inc. 03860110	L.F.	20	-	-	-	-	-	-	-	-	-	43,940	318	594*	
Seven Sisters Mining Co., Inc. 03860401	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Smith, Inc., Thomas J. 03880113	Mahoning	32	-	-	-	-	-	-	-	-	-	100,320	2,120	-	
Auger-BAM 3384	U.F.	36	-	-	-	-	-	-	-	-	-	-	-	-	
Snyder Co., C. H. 03803044	U.F.	48	-	-	-	-	-	-	-	-	-	-	-	-	

ARMSTRONG 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	Slope	Drift	Gas-	Non-	Flame	Elec-	Ammonium	Dynamite	Other Permis- sible (Name)		
			Depth	Length	Degrees	Drift	eous						eous	Open
<b>State Industries, Inc.</b>														
03830118	MLK/LF/Clarion	6-26-32	-	-	-	-	-	-	-	-	-	472,938	2,086	2,103*
03840106	UMK/ULF/Clarion	24-39-72	-	-	-	-	-	-	-	-	-	6,700	-	40*
03860101	U.L.F.	36	-	-	-	-	-	-	-	-	-	-	-	-
03860108	M.K./U.F.	28-48	-	-	-	-	-	-	-	-	-	1,969,040	10,218	27,696*
03660111	U.F.	48	-	-	-	-	-	-	-	-	-	-	-	-
03910106	U.F.	42	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>											<b>2,448,678</b>	<b>12,304</b>	<b>29,839</b>	
<b>TDK Coal Sales, Inc.</b>														
03890105	U.F.	24	-	-	-	-	-	-	-	-	-	4,500	84	30*
03890115	U.K.	24	-	-	-	-	-	-	-	-	-	435,642	2,631	1,853
03890115 Auger	U.K.	24	-	-	-	-	-	-	-	-	-	-	-	-
03900107	L.F.	32	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>											<b>440,142</b>	<b>2,715</b>	<b>1,883</b>	
<b>Turner Enterprises, Bill</b>														
0380108	M.K.	31	-	-	-	-	-	-	-	-	-	28,062	130	-
03830108R	M.K.	36	-	-	-	-	-	-	-	-	-	4,823	190	-
Auger-BAM 3387	M.K.	31	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>											<b>32,885</b>	<b>320</b>	<b>-</b>	
<b>COUNTY TOTAL</b>											<b>7,453,531</b>	<b>62,337</b>	<b>68,695</b>	

Note: \* Caps  
# Tubes

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	Non- Gas- eous	Flame Open	Elec- tric	Ammonium Nitrate	Dynamite			
				Length	Degrees									
Kerry Coal Co.														
04880107	MK	36	-	-	-	-	-	-	-	-	124,080	672	978	
04823006	LF	24	-	-	-	-	-	-	-	-	-	-	-	
	MLK	16-28	-	-	-	-	-	-	-	-	-	-	-	
04890101	LF	24	-	-	-	-	-	-	-	-	14,526	194	336	
04890102	-	-	-	-	-	-	-	-	-	-	-	-	-	
04900102	UF	36	-	-	-	-	-	-	-	-	255,489	2,702	3,925	
											<b>TOTAL</b>	<b>394,095</b>	<b>3,568</b>	<b>5,239</b>
											<b>COUNTY TOTAL</b>	<b>394,095</b>	<b>3,568</b>	<b>5,239</b>

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

BEDFORD 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		Slope		Drift	Gas-	Non-	Flame	Elec-	Ammonium	Dynamite	Other Permis- sible (Name)
			Depth	Length	Degrees	Drift	Gas-	Non-						
Dash Coal Co., Inc.														
03753004	Big Pittsburgh	36	-	-	-	-	-	-	-	-	-	-	-	
05773002	Fulton	36	-	-	-	-	-	-	-	-	-	-	-	
05803009	Fulton/Barnett	36	-	-	-	-	-	-	-	-	-	-	-	





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		Slope		Drift	Gas-	Non-	Flame	Elec-	Ammonium	Dynamite	Other Permis- sible (Name)	
			Depth	Length	Degrees	Drift	eous	eous	Open						Safety
Amerikohl Mining, Inc. 10890106	MK	30	-	-	-	-	-	-	-	-	-	186,472	944	770*	
10900110	UF	32	-	-	-	-	-	-	-	-	-	374,220	3,388	841*	
10900112	UF	36	-	-	-	-	-	-	-	-	-	10,365	45	600	
												<b>TOTAL</b>	<b>571,057</b>	<b>4,377</b>	<b>2,211</b>
Atwell Coal Co. 10890113/10900111-02	UF	38-44	-	-	-	-	-	-	-	-	-	1,066	172	-	
B & B Coal Mining, Inc. 10890104	Bituminous	-	-	-	-	-	-	-	-	-	-	95,975	1,396	-	
Big B Mining Co., Inc. 10810124	Freeport	24	-	-	-	-	-	-	-	-	-	-	-	-	
BMB Management, Inc. 10840126	MK	34-36	-	-	-	-	-	-	-	-	-	-	-	-	
D.W.L. Coal Co. 10820124	MK	22	-	-	-	-	-	-	-	-	-	-	-	-	
H. & D. Coal Co. 10870105	Brookville	34	-	-	-	-	-	-	-	-	-	1,840,164	20,411	215,586*	
Medusa Aggregates Co./Black Rock Exploration Co., Inc. 102740/202731	Brookville	18	-	-	-	-	-	-	-	-	-	37,535	174	2,095	
Siegel, Thomas 10820142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10840111	MK	26	-	-	-	-	-	-	-	-	-	-	-	-	

BUTLER 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		Slope		Drift	Gas-	Gas-	Flame	Elec-	Ammonium	Dynamite	Other Permis- sible (Name)		
			Depth	Length	Degrees	Drift	eous	eous	Open						Safety	tric
Smith, Inc., Thomas J. 10860121 Auger-BAM 5267	UF UF	30 34	-	-	-	-	-	-	-	-	-	-	212,120	4,512	-	
													<b>TOTAL</b>	<b>212,120</b>	<b>4,512</b>	<b>-</b>
State Industries, Inc. 10890103 10900104 10900108	LUF Clarion/LK ULF	20-30 24 20-30	-	-	-	-	-	-	-	-	-	-	26,493	396	842*	
													540,092	3,437	1,646*	
													5,338	58	156*	
													<b>TOTAL</b>	<b>571,923</b>	<b>3,891</b>	<b>2,644</b>
Sunbeam Coal Corp. 10860111 10860119 10900107	UF/ULK Brookville MK	24-36-48 24-30 30	-	-	-	-	-	-	-	-	-	-	1,792,800	-	-	
													938,640	-	-	
													793,350	-	-	
													<b>TOTAL</b>	<b>3,524,790</b>	<b>-</b>	<b>-</b>
Terry Coal Sales, Inc. 10860105	LK	23	-	-	-	-	-	-	-	-	-	-	226,280	2,459	-	
Willowbrook Mining Co. 10910101	UF	34	-	-	-	-	-	-	-	-	-	-	77,450	540	5,435	
													<b>COUNTY TOTAL</b>	<b>7,158,360</b>	<b>37,932</b>	<b>227,971</b>

Note: \*Caps  
#Tubes

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			
			Shaft	Slope		Drift	Flame			Elec-	Ammonium	Other				
				Depth	Length								Degrees	Open	Safety	tritic
Becker Coal Co., Paul F. 11890101	LF	48	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bender Coal Co., E.P. 11793025	Mercer/ Brookville/LK	30-32	-	-	-	-	-	-	-	-	-	1,915,822	36,047	-	-	
11830104	MK	18	-	-	-	-	-	-	-	-	-	17,470	225	-	-	
11850110	ULF	30-32	-	-	-	-	-	-	-	-	-	946,270	447,995	11,035	-	
11850111	UK	36	-	-	-	-	-	-	-	-	-	238,170	2,879	-	-	
11860102	UF	30	-	-	-	-	-	-	-	-	-	472,855	7,541	-	-	
11880101	UF	30	-	-	-	-	-	-	-	-	-	79,230	755	-	-	
11900102	LF	48	-	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 2001-285	UF	30	-	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 2001-310	UK	36	-	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 2001-330	UF	30	-	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 2001-342	UK	36	-	-	-	-	-	-	-	-	-	-	-	-	-	
												<b>TOTAL</b>	<b>3,669,817</b>	<b>495,442</b>	<b>11,035</b>	
Bethmar Enterprises, Inc. 11850109	ULF/UK/ Mahoning	12-30-35	-	-	-	-	-	-	-	-	-	1,762,329	5,110	-	-	
C & K Coal Co. 11783035	MLK	23-30	-	-	-	-	-	-	-	-	-	114,765	424	1,067*	-	
11823002	UMK/LUF	17-23-24-38	-	-	-	-	-	-	-	-	-	2,248,972	8,766	17,966*	-	
11850106	U. Clarion	35	-	-	-	-	-	-	-	-	-	1,834,800	5,924	11,583*	-	
11890104	ULF	24	-	-	-	-	-	-	-	-	-	409,193	1,591	3,129*	-	
11900104	UF	24	-	-	-	-	-	-	-	-	-	881,230	3,426	6,737*	-	
												<b>TOTAL</b>	<b>5,488,960</b>	<b>20,131</b>	<b>40,482</b>	

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				
			Shaft		Slope		Drift	Gas-	Gas-	Flame	Elec-	Ammonium	Dynamite	Other Permis- sible (Name)	
			Depth	Length	Degrees	Drift	eous	eous	Open						Safety
Cooney Bros. Coal Co.															
11693042	LF	42	-	-	-	-	-	-	-	-	-	100,000	5,000	-	
11773037	LUF	36	-	-	-	-	-	-	-	-	-	220,000	12,000	-	
11803024	UK	40	-	-	-	-	-	-	-	-	-	20,000	3,000	-	
11803038	Brookville	28	-	-	-	-	-	-	-	-	-	400,000	25,000	-	
11813039	Brookville	28	-	-	-	-	-	-	-	-	-	500,000	30,000	-	
11813040	MK	22	-	-	-	-	-	-	-	-	-	220,000	77,000	-	
11823003	LF	40	-	-	-	-	-	-	-	-	-	125,000	11,000	-	
11850102	Brookville/LK	26	-	-	-	-	-	-	-	-	-	20,000	3,000	-	
11860104	Brookville/LMUK	42	-	-	-	-	-	-	-	-	-	140,000	10,000	-	
11860107	UF	36	-	-	-	-	-	-	-	-	-	100,000	7,000	-	
11900105	UK/LF	36	-	-	-	-	-	-	-	-	-	100,000	10,000	-	
												<b>TOTAL</b>	<b>1,945,000</b>	<b>193,000</b>	<b>-</b>
Ebensburg Power Co.															
1180201-01 refuse	LK	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greenley Energy Holdings of Pa., Inc.															
11890201 refuse	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
K & J Coal Co., Inc.															
11693000	UF/UK	25-36	-	-	-	-	-	-	-	-	-	699,330	2,287	3,088*	
11813010	UF/UK	24-45	-	-	-	-	-	-	-	-	-	79,317	2,581	3,962*	
17880129	UK	48	-	-	-	-	-	-	-	-	-	5,421,900	23,980	41,344*	
Auger-BAM 2001-260	UK	45	-	-	-	-	-	-	-	-	-	-	-	-	
												<b>TOTAL</b>	<b>6,200,547</b>	<b>28,848</b>	<b>48,394</b>
Laurel Land Development, Inc.															
11823030	UK/LF	22-42	-	-	-	-	-	-	-	-	-	-	-	-	
L & J Energy Co., Inc.															
Surface Garmantown Mine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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		
			Shaft Depth	Slope		Drift Drift	Flame			Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)		
				Length	Degrees										
M. B. Energy, Inc. 11823004	ULF/UK	40-42-36	-	-	-	-	-	-	-	-	5,700	21	-		
11870101	ULF	40	-	-	-	-	-	-	-	-	-	-	-		
11900103	ULF/UK	36-24	-	-	-	-	-	-	-	-	-	-	-		
Auger-BAM 2001-259	ULF/UK	40-42-36	-	-	-	-	-	-	-	-	-	-	-		
Auger-BAM 2001-264	UF	40	-	-	-	-	-	-	-	-	-	-	-		
Auger-BAM 2001-267	LF	40	-	-	-	-	-	-	-	-	-	-	-		
											<b>TOTAL</b>	<b>5,700</b>	<b>21</b>	<b>-</b>	
Ratay Coal, Inc. 11813005	LUF	36-40	-	-	-	-	-	-	-	-	33,460	140	227*		
11860101	LF	24	-	-	-	-	-	-	-	-	9,050	65	130*		
											<b>TOTAL</b>	<b>42,510</b>	<b>205</b>	<b>357</b>	
T. J. Mining, Inc. 11890102	LF	35	-	-	-	-	-	-	-	-	137,157	-	-		
Wesott Inc. 11870107	LMK	24-46	-	-	-	-	-	-	-	-	121,785	3,773	-		
Westrick Coal Co. 11870104	UK/LF	18-36	-	-	-	-	-	-	-	-	307,675	6,393	-		
											<b>COUNTY TOTAL</b>	<b>19,681,480</b>	<b>752,923</b>	<b>100,268</b>	

Note: \*Blasting caps

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

CENTRE 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		Slope		Drift	Gas-	Non-	Open	Flame	Elec-	Ammonium	Dynamite	Other Permis- sible (Name)
			Depth	Length	Degrees	Drift	eous	eous							
Carlin, Inc., R.S. 14733009	Brookville	20-30	-	-	-	-	-	-	-	-	-	378,600	1,566	2,760* 17,000a 200b 960c 190d	
												<b>TOTAL</b>	<b>378,600</b>	<b>1,566</b>	<b>21,110</b>
Hamilton Contracting Co., Al 14820103	U.M.K.	6-30	-	-	-	-	-	-	-	-	-	691,000	1,558	3,747e	
Lobb Mining 14880102 14880103	Clarion -	33 -	- -	- -	- -	- -	- -	- -	- -	- -	- -	113,450 -	2,350 -	- -	
												<b>TOTAL</b>	<b>113,450</b>	<b>2,350</b>	<b>-</b>
PAC Coal Co. 14880101	Mercer	12	-	-	-	-	-	-	-	-	-	6,600	116	236*	
Power Operating Co., Inc. 14663003 14663004 14663005 14850101	U.M.K. U.M.K. U.M.K. U.M.L.K.	f f f f	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- 314,700 147,883 -	- 2,958 5,033 -	- - - -	
												<b>TOTAL</b>	<b>462,583</b>	<b>7,991</b>	<b>-</b>
												<b>COUNTY TOTAL</b>	<b>1,652,233</b>	<b>13,581</b>	<b>25,093</b>

Note: \* Caps  
a - Non 7X50  
b - Iregal  
c - TOVAE  
d - Wire  
e - Boosters  
f - Operator did not submit this information.

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

CLARION 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	Gas- Drift	Non- Gas- eous	Flame Open	Elec- Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)		
Ancient Sun, Inc.															
16840104	Up. Clarion/L.K.	34-38	-	-	-	-	-	-	-	-	-	358,575	4,865	-	
16890110	U.K.	22	-	-	-	-	-	-	-	-	-	83,130	1,868	-	
16900112	M.K.	36	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 5269	L.K.	38	-	-	-	-	-	-	-	-	-	-	-	-	
												<b>TOTAL</b>	<b>441,705</b>	<b>6,733</b>	<b>-</b>
Aspen Minerals, Inc.															
16900104	U.K. L.U.F.	20-30	-	-	-	-	-	-	-	-	-	24,750	515	-	
Beveridge, Rita															
16900109	M.K.	22	-	-	-	-	-	-	-	-	-	24,310	768	-	
C&K Coal Co.															
16703006	M.L.K./U.L. Clarion	15-50	-	-	-	-	-	-	-	-	-	2,233,156	11,636	17,345	
16743037	L.K.	42	-	-	-	-	-	-	-	-	-	59,080	443	486	
16753017	L.M.K./L.U. Clarion	13-44	-	-	-	-	-	-	-	-	-	6,635,963	18,904	22,583	
16753025	U.L. Clarion	18-21	-	-	-	-	-	-	-	-	-	133,729	1,402	2,594	
16793006	L.K./U.L. Clarion	14-26	-	-	-	-	-	-	-	-	-	938,958	7,419	11,313	
16810135	U.M.L.K./L.F.	3-11	-	-	-	-	-	-	-	-	-	1,950,111	10,255	11,117	
16830114	U.F./M.L.K.	16-81	-	-	-	-	-	-	-	-	-	7,169,752	16,465	17,267	
16850110	U.M.L.K./L.F.	7-27	-	-	-	-	-	-	-	-	-	4,550,260	32,928	25,940	
16880102	L.M.K./U.L. Clarion	9-31	-	-	-	-	-	-	-	-	-	4,621,537	14,633	17,624	
16890102	M.U.K.	19-51	-	-	-	-	-	-	-	-	-	1,051,604	6,495	9,622	
												<b>TOTAL</b>	<b>29,344,150</b>	<b>120,580</b>	<b>135,891</b>
Crispen Contracting Co.															
16900101	Bituminous	36	-	-	-	-	-	-	-	-	-	30,300,820	886	-	
16910101	Bituminous	28	-	-	-	-	-	-	-	-	-	10,860	255	-	
												<b>TOTAL</b>	<b>30,311,680</b>	<b>1,141</b>	<b>-</b>
Doverspike Bros. Coal Co.															
16900110	U.L. Clarion	13-36	-	-	-	-	-	-	-	-	-	613,542	3,949	8,891	



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	Slope		Drift	Gas			Gas	Open	Flame	Elec- tric	Ammonium Nitrate		Dynamite
				Depth	Length											
Glacial Minerals, Inc.																
16763010	M.K.	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16820101	M.K.	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16880105	M.K.	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reichard Contracting, Inc.																
16840106	U.M.K./L.U.F.	16-30	-	-	-	-	-	-	-	-	-	-	222,640	2,628	-	-
16890109	U.K./L.F./L.R. Rider	18-80	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													<b>TOTAL</b>	<b>222,640</b>	<b>2,628</b>	<b>-</b>
TDK Coal Sales, Inc.																
16900109+	M.L.K.	26-28	-	-	-	-	-	-	-	-	-	-	15,400	143	88	
Terry Coal Sales, Inc.																
16693007	M.U.K./L.F.	60	-	-	-	-	-	-	-	-	-	-	361,990	4,372	-	-
16850116	U.K./L.F.	45	-	-	-	-	-	-	-	-	-	-	255,200	5,725	-	-
16860114	U.K./L.F.	50	-	-	-	-	-	-	-	-	-	-	381,220	11,169	-	-
16880104	U.K.	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													<b>TOTAL</b>	<b>1,013,810</b>	<b>21,409</b>	<b>88</b>
													<b>COUNTY TOTAL</b>	<b>62,011,987</b>	<b>157,865</b>	<b>144,870</b>

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