

FAYETTE 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- eous	Non- Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
				Length	Degrees										
Amerikohl Mining, Inc. 26870108	Redstone	24	-	-	-	-	-	-	-	-	-	-	-	-	
B & B Coal Co. 26850103	Pittsburgh	84	-	-	-	-	-	-	-	-	-	-	-	-	
Bartoni Coal Co. 26820132	Pittsburgh	66	-	-	-	-	-	-	-	-	-	6,600	-	-	
Barlonic, Rocco 26850104	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
Boyle Land & Fuel 26840105	U Kittanning	54	-	-	-	-	-	-	-	-	-	84,345	7,760	2,502	
Brant Coal Co. 26813090	U Freeport	48	-	-	-	-	-	-	-	-	-	61,165	1,135	-	
Bridgeview Coal Co. 26830107	U & L Bakerstown	40	-	-	-	-	-	-	-	-	-	7,000	1,056,050	-	
26840109	U Kittanning & L Freeport	-	-	-	-	-	-	-	-	-	-	-	-	-	
26850113	U Kittanning & L Freeport	60	-	-	-	-	-	-	-	-	-	600	48,250	-	
												Total	7,600	1,104,300	-
Brooks Coal Co., Arthur 26830108	Sewickley	50	-	-	-	-	-	-	-	-	-	-	-	-	
Bukovitz, J. W. T/A J & J Sanitation 26830104	Redstone	30	-	-	-	-	-	-	-	-	-	-	-	-	
Carbonara Coal Co. 26713032	Redstone	36	-	-	-	-	-	-	-	-	-	(A)	(A)	(A)	
Chess Coal Co. 26783037	Redstone	36	-	-	-	-	-	-	-	-	-	84,600	300	-	
26870105	Sewickley, Redstone	30-48	-	-	-	-	-	-	-	-	-	50,150	250	-	
												Total	134,750	550	-

332

FAYETTE 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		Slope		Drift			Open	Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
			Depth	Length	Degrees	Drift									
Dearth Coal Co. 26840108	Pittsburgh	108	-	-	-	-	-	-	-	-	-	-	-	-	
26870101	Pittsburgh	108	-	-	-	-	-	-	-	-	-	-	-	-	
Durant Excavating Co. 26870107	Sewickley	60	-	-	-	-	-	-	-	-	24,900	377	-	-	
G. K. & G., Inc. 26820201 Refuse	Pittsburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	
Genovese, Theodore, R II 26850102	Pittsburgh	84	-	-	-	-	-	-	-	-	4,350	200	-	-	
Gioia Coal Co. 26860101	U Bakerstown	36	-	-	-	-	-	-	-	-	136,948	1,133	-	-	
Auger-BAM	U Bakerstown	-	-	-	-	-	-	-	-	-	-	-	-	-	
									Total		136,948	1,133	-	-	
Grindstone Coal Co., Inc. 26820130	Bituminous	84	-	-	-	-	-	-	-	-	-	-	-	-	
Hatalowich, George & William 26753003	U Freeport	40	-	-	-	-	-	-	-	-	11,860	572	66*	-	
Auger-BAM 959	U Freeport	40	-	-	-	-	-	-	-	-	-	-	-	-	
									Total		11,860	572	66	-	
Herring, Harry Lee & Rolland 26830112	Redstone, Pgh.	36-96	-	-	-	-	-	-	-	-	-	-	-	-	
26850117	Sewickley, Redstone	30-60	-	-	-	-	-	-	-	-	16,000	415	415*	-	
Hill Coal Co. 26783002	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jordan Coal Co., James V. 2685011	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
26860104	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
Krullock Coal Co., Inc. 26830111	Redstone	32	-	-	-	-	-	-	-	-	-	-	-	-	

333

FAYETTE 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	Flame Open	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
				Length	Degrees									
Lamar Coal. 26840119	Pittsburgh	72	-	-	-	-	-	-	-	-	-	-	-	
Linda Carol Coal, Inc. 26830114	Pittsburgh	48	-	-	-	-	-	-	-	-	-	-	-	
Oak Run Coal, Inc. 26850101	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	
Oberlechner, Steve & Steve, Jr. 26850114	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	
Patterson Coal Co. 26860107	Redstone	36	-	-	-	-	-	-	-	-	-	-	-	
Piccolomini, William 26830110 (26860103)	Pittsburgh	60	-	-	-	-	-	-	-	-	2,000	800	800*	
Pine Flats Coal Co., Inc. 26823086	Allegheny	36	-	-	-	-	-	-	-	-	87,450	1,796	-	
Pittsburgh Coal & Coke, Inc. 26743202	Pittsburgh	-	-	-	-	-	-	-	-	-	-	-	-	
28830201	Pittsburgh	-	-	-	-	-	-	-	-	-	-	-	-	
Purco Coal, Inc. 26703078	Miller B	42	-	-	-	-	-	-	-	-	89,530	4,820	-	
26753065	U Freeport	48	-	-	-	-	-	-	-	-	6,640	460	-	
											Total	96,170	5,280	-
Russell Minerals Fayette, Inc. 26850201 Refuse	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	
Soberdash Coal Co. 26793022	Bakerstown	-	-	-	-	-	-	-	-	-	12,878	1,326	-	
Sperko, Robert 26823024	Redstone	32	-	-	-	-	-	-	-	-	-	-	-	
Stash Bros., Inc. 26823082	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	

FAYETTE 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- eous	Non- Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
			Depth	Length	Degrees	Drift									
Stash, Todd & Scott 26860106	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
Swenglish & Sons Coal Co. 26773025	Pittsburgh	96	-	-	-	-	-	-	-	-	-	-	-	-	
Wise Mining Co. 26820129	Redstone	24	-	-	-	-	-	-	-	-	-	15,000	1,000	-	
COUNTY TOTAL												702,016	1,126,644	3,783	

Note:

- (A) Completed
- * Caps

FULTON 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- eous	Non- Gas- eous	Flame Open	Elec- Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
			Depth	Length	Degrees	Drift	Gas-	Non-								
L & B Coal Co. 05743005	Barnett Up. Freeport	48 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COUNTY TOTAL												530,150	3,931	5,836*		

Note:

* Detenaters

GREENE 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	Flame Open	Elec- Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
Balltown Gas Co. 30850101	Waynesburg	60	-	-	-	-	-	-	-	-	40,000	-	-	
Balazick, Charles 30860101	Waynesburg	54	-	-	-	-	-	-	-	-	114,550	1,680	-	
Boyle Land & Fuel 30803017	Waynesburg	60	-	-	-	-	-	-	-	-	-	-	-	
30823015	Waynesburg	60	-	-	-	-	-	-	-	-	-	-	-	
30823028	Waynesburg	60	-	-	-	-	-	-	-	-	-	-	-	
30823036	Waynesburg	60	-	-	-	-	-	-	-	-	-	-	-	
30860102	Waynesburg	60	-	-	-	-	-	-	-	-	53,162	202	202*	
30860104	Waynesburg	60	-	-	-	-	-	-	-	-	505,535	5,509	3,365*	
											Total	558,697	5,711	3,567
C & J Coal Co. 30830108	Sewickley	48	-	-	-	-	-	-	-	-	-	-	-	
Chess Coal Co. 30773006	Sewickley	36-48	-	-	-	-	-	-	-	-	-	-	-	
Energy Resources Corp of America 3274SM23	Sewickley	-	-	-	-	-	-	-	-	-	-	-	-	
3275SM9	Waynesburg	-	-	-	-	-	-	-	-	-	-	-	-	
32B76SM1	Sewickley	44	-	-	-	-	-	-	-	-	-	-	-	
32B77SM3	Waynesburg	-	-	-	-	-	-	-	-	-	-	-	-	
Ford & Gaskill 30703003	Redstone, Sewickley	36-60	-	-	-	-	-	-	-	-	1,203,650	-	3,849	
Genovese Coal Co., Theodore R. II 30850102	Sewickley	50	-	-	-	-	-	-	-	-	-	-	-	
Greene Coal Co. 30813013(T)	Waynesburg	46	-	-	-	-	-	-	-	-	148,760	1,311	76	
30840102	Waynesburg	54	-	-	-	-	-	-	-	-	151,420	-	-	
											Total	300,180	1,311	76

337

GREENE 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	Gas			Gas	Flame	Elec- tric	Ammonium Nitrate	Dynamite	
				Length	Degrees										
Lawrence Coal Co. 30713008	Waynesburg	60	-	-	-	-	-	-	-	-	-	108,300	500	-	
Meadow Run Mining Co., Inc. 30850104	Sewickley	52	-	-	-	-	-	-	-	-	-	60,500	300	-	
Panson & McNay Coal Co. 30880102	Waynesburg	48	-	-	-	-	-	-	-	-	-	-	-	-	
Patriot Mining Co., Inc. 30850103T	Waynesburg	60	-	-	-	-	-	-	-	-	-	165,017	693	-	
Susan Ann Coal, Inc. 20813009	Waynesburg	42	-	-	-	-	-	-	-	-	-	-	-	-	
Willow Tree Coal Co. 102216	Waynesburg	60	-	-	-	-	-	-	-	-	-	-	-	-	
Zavek, Inc. 32B76SM10	Waynesburg	-	-	-	-	-	-	-	-	-	-	-	-	-	
COUNTY TOTAL												<u>2,550,894</u>	<u>10,195</u>	<u>7,492</u>	

Note:

* Caps

INDIANA 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- eous	Non- Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
			Depth	Length	Degrees	Drift									
Acme Drilling 32823035	UF	42	-	-	-	-	-	-	-	-	-	7,940	88	-	
Andrey Mining Co. 32823008	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arcadia Co., Inc., The 32723059	MULK	8-28-40	-	-	-	-	-	-	-	-	-	166,445	1,818	-	
32850115	MLK	15-28	-	-	-	-	-	-	-	-	-	406,395	2,004	3,223*	
32860104	UK, LUF	24-30-42	-	-	-	-	-	-	-	-	-	958,083	4,424	6,732*	
												Total	1,530,923	8,246	9,955
B & W Coal, Inc. 32850112	Pittsburgh	72	-	-	-	-	-	-	-	-	-	147,730	1,832	-	
Becker Coal Co., Paul F. 32860115	UF	50	-	-	-	-	-	-	-	-	-	-	-	-	
Beilchick Bros. 32663056	UF	27	-	-	-	-	-	-	-	-	-	42,550	191	-	
32830113	LF	38	-	-	-	-	-	-	-	-	-	14,800	69	-	
												Total	57,350	260	-
Benjamin Coal Co. 32830111	MK, UF	16-28	-	-	-	-	-	-	-	-	-	327,485	1,067	2,603	
32830112	ULF	30-38	-	-	-	-	-	-	-	-	-	189,753	618	1,508	
32850106	LUF	24	-	-	-	-	-	-	-	-	-	452,408	1,474	3,596	
32860105	LF	15	-	-	-	-	-	-	-	-	-	237,738	774	1,890	
												Total	1,207,384	3,933	9,597
Bentley Coal Co., Inc. 32860102	LF	32	-	-	-	-	-	-	-	-	-	-	-	-	
Black Oak Development Corp. 32840109	UF	48	-	-	-	-	-	-	-	-	-	19,510	101	-	
Blairsville Associates 32823005	UK	30	-	-	-	-	-	-	-	-	-	5,530	68	-	

INDIANA 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	Drift	Gas- eous	Non- Gas- eous	Flame Open	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
Buterbaugh Construction Co. 32753041	-	-	-	-	-	-	-	-	-	-	-	-	-
Auger-BAM 2001-240	LF	32	-	-	-	-	-	-	-	-	-	-	-
Cloe Mining Co., Inc. 32813007	LUF	28-36	-	-	-	-	-	-	-	-	456,675	4,446	-
FNR Mining Co. 32840110	MK	22	-	-	-	-	-	-	-	-	109,825	1,864	-
328880102	LF	32	-	-	-	-	-	-	-	-	145,115	3,775	-
									Total		254,940	5,639	-
G L R Mining, Inc. 32823019	LF	38	-	-	-	-	-	-	-	-	147,986	3,573	-
32850108	LF	38	-	-	-	-	-	-	-	-	98,424	2,324	-
									Total		246,410	5,897	-
K.M.P. Associates 32860101	Pittsburgh	96	-	-	-	-	-	-	-	-	10,700	176	-
Kent Coal Mining Co. 32803042	-	-	-	-	-	-	-	-	-	-	-	-	-
32823004	UF	40-44	-	-	-	-	-	-	-	-	-	-	-
32823057	Pittsburgh	90	-	-	-	-	-	-	-	-	104,945	2,669	-
32860106	UF	40-44	-	-	-	-	-	-	-	-	147,745	2,503	-
									Total		252,690	5,172	-
Kraynak Coal Co. 32860103 and Auger-BAM 2001-262	LF	26	-	-	-	-	-	-	-	-	85,200	1,578	7,940
M. B. Energy, Inc. 32830108	LUF	36-53	-	-	-	-	-	-	-	-	834,493	1,850	3,972#
32840111	LF, ULK	32-40-42	-	-	-	-	-	-	-	-	635,917	-	1,403#
32850109	UF	42	-	-	-	-	-	-	-	-	124,342	-	591#
32860110	LF, LK	32-36	-	-	-	-	-	-	-	-	291,354	-	1,028#
Auger-BAM 2001-266	UF	-	-	-	-	-	-	-	-	-	-	-	-
									Total		1,886,106	1,850	6,994

INDIANA COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Non-		Number and Type Lamps Used		Pounds of Explosives Used		Other Permis- sible (Name)	
			Shaft	Slope	Drift	Gas-	Non-	Flame	Elec-	Ammonium	Dynamite				
												Depth	Length		Degrees
Marquise Mining Corp. 32870102	LF	28	-	-	-	-	-	-	-	-	-	77,392	468	1,324e	
Mears Enterprises, Inc. 32803009	LF	26	-	-	-	-	-	-	-	-	-	36,450	664	-	
32813021	ULF	20-30	-	-	-	-	-	-	-	-	-	94,720	3,288	-	
32823017	LK	36	-	-	-	-	-	-	-	-	-	162,640	5,535	-	
3286011	LF	28	-	-	-	-	-	-	-	-	-	45,950	709	-	
Auger-BAM 2001-252	LF	26	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 2001-254	UF, LK	20-30	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 2001-272	LF	28	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	339,760	10,196	-
Negley Coal Co., Inc. 32753025	Pittsburgh	60	-	-	-	-	-	-	-	-	-	-	-	-	
32830101	Pittsburgh	60	-	-	-	-	-	-	-	-	-	-	-	-	
North Cambria Fuel Co. 32823026	WF	46	-	-	-	-	-	-	-	-	-	-	-	-	
32840107	ULF	42	-	-	-	-	-	-	-	-	-	1,723,490	-	3,392#	
												Total	1,723,490	-	3,392
P & N Coal Co., Inc. 32813011	ULF	28-30	-	-	-	-	-	-	-	-	-	59,350	316	316*	
32860107	LF	28	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	59,350	316	316
Peles, Joseph 32840103	UF	36	-	-	-	-	-	-	-	-	-	115,500	9,040	-	
TLH Coal Co. 32763040	MUK, LUF	30	-	-	-	-	-	-	-	-	-	677,930	4,703	-	
32823066	LUF	27	-	-	-	-	-	-	-	-	-	41,110	311	-	
32870105	MUK, LUF	30	-	-	-	-	-	-	-	-	-	40,000	378	-	
												Total	759,040	5,392	-

INDIANA 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- eous	Non- Gas- eous	Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
			Depth	Length	Degrees	Drift	Open							
Twin Brook Coal Co. 32813001	Bakerstown	15	-	-	-	-	-	-	-	-	-	450	25	-
Yenzi, Jr., John 32823070	ULF	40	-	-	-	-	-	-	-	-	-	-	-	-
COUNTY TOTAL											9,244,070	64,723	39,518	

Note:

- * Caps
- # Cast Primers
- @ Wet Hole

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

JEFFERSON 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	Flame			Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)		
				Length	Degrees										
A & T Coal Co., Inc. 33840116	MK, LF	22-42	-	-	-	-	-	-	-	-	-	45,430	1,009	-	
Afton, Olive 33773118	LK	30	-	-	-	-	-	-	-	-	-	356,040	6,796	-	
33870107	Clarion/ Brookville	24	-	-	-	-	-	-	-	-	-	46,150	1,221	-	
												Total	402,190	8,017	-
Andray Mining Co. 33800110	UF	25	-	-	-	-	-	-	-	-	-	195,700	1,016	1,012*	
Benjamin Coal Co. 33793007	LF	26	-	-	-	-	-	-	-	-	-	378,056	1,232	3,005	
33810124	UF	28	-	-	-	-	-	-	-	-	-	568,401	1,852	4,519	
33813031	UF	28	-	-	-	-	-	-	-	-	-	629,267	12,051	5,002	
33820105	UF	28	-	-	-	-	-	-	-	-	-	25,763	84	205	
33820142	UF	32	-	-	-	-	-	-	-	-	-	10,839	35	86	
												Total	1,612,326	5,254	12,817
Cloe Mining Co., Inc. 33793033	LF, UK	20	-	-	-	-	-	-	-	-	-	135,825	1,799	-	
33860113	MK	24	-	-	-	-	-	-	-	-	-	176,635	1,774	-	
												Total	312,460	3,573	-
Colt Resources, Inc. 33753031	MLK, UF	18-28-48	-	-	-	-	-	-	-	-	-	292,605	-	-	
Cookport Coal Co., Inc. 33763010	LK	23	-	-	-	-	-	-	-	-	-	96,537	907	-	
3378003	LK	31	-	-	-	-	-	-	-	-	-	128,164	1,096	-	
33820135	MLK	20-32	-	-	-	-	-	-	-	-	-	6,225	48	107	
												Total	230,926	2,051	107
Deemer, Jr., Fred A. 33713016	LF	96	-	-	-	-	-	-	-	-	-	10,175	63	-	

JEFFERSON 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-	Open	Flame	Elec-	Ammonium	Dynamite	Other Permis- sible (Name)
			Depth	Length	Degrees	Drift	Gas-	Gas-							
Doan Mining Co.															
24870103	UK, LF	24-36	-	-	-	-	-	-	-	-	-	500	45	-	
33813013T	LK	26	-	-	-	-	-	-	-	-	-	400,010	1,481	5,256	
33820140T	LK	30	-	-	-	-	-	-	-	-	-	88,890	659	900	
33830115	UK	22	-	-	-	-	-	-	-	-	-	212,490	1,685	5,505	
33840125	LK	24	-	-	-	-	-	-	-	-	-	287,330	1,290	1,920	
33850101	ULF, ULK	24	-	-	-	-	-	-	-	-	-	1,027,374	5,712	45,919	
33860102	LK	28	-	-	-	-	-	-	-	-	-	-	-	-	
33870113	MK	17	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	2,016,594	10,872	59,500
Doverspike Bros. Coal Co.															
33840118	LK, UC	12-24	-	-	-	-	-	-	-	-	-	76,470	994	1,015*	
33850124	UF	44	-	-	-	-	-	-	-	-	-	202,680	1,449	1,449*	
33860106	UC, LK	22-40	-	-	-	-	-	-	-	-	-	256,010	3,328	3,399	
												Total	535,160	5,771	5,863
Engle Bros. Coal															
3607669	Mercer	32	-	-	-	-	-	-	-	-	-	-	-	-	
Gearhart Alvin															
38753013	Kittanning	20	-	-	-	-	-	-	-	-	-	-	-	-	
Harmon Coal Co.															
33850116	LK	36	-	-	-	-	-	-	-	-	-	280,290	2,113	-	
Hepburnia Coal Co.															
33820153	ULF/UK	24-30	-	-	-	-	-	-	-	-	-	1,040,296	6,886	5,214*	
Huff, Thomas F/ T & T Co.															
3875SM58	LF	18	-	-	-	-	-	-	-	-	-	-	-	-	
Laurel Land Development															
33830102	Kittanning	24	-	-	-	-	-	-	-	-	-	25,896	-	-	

JEFFERSON 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- Open	Non- Gas- eous	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
			Depth	Length	Degrees	Drift	Gas- eous	Gas- eous							
M. B. Energy, Inc.															
33850115	LF, MK	28-34	-	-	-	-	-	-	-	-	-	219,235	869	981#	
33860108	UMK	12-19	-	-	-	-	-	-	-	-	-	-	-	-	
33880101	LK	30	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 2001-1591	MK	34	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	219,235	869	981
McKay Coal Co., Inc.															
33880105	MLK	18-24	-	-	-	-	-	-	-	-	-	82,420	2,076	-	
MSM Coal Co., Inc.															
33870103	LK	27	-	-	-	-	-	-	-	-	-	175,670	2,050	45,605	
Maud Mining Co.															
33813003	UF	34-36	-	-	-	-	-	-	-	-	-	679,540	3,825	-	
33850108	ULF	28-34-													
33850126	ULF	60-113	-	-	-	-	-	-	-	-	-	957,205	9,543	-	
33860116	ULF	44-60	-	-	-	-	-	-	-	-	-	138,150	3,174	-	
33870109	ULF	22-45-													
33870109	UF	48-60	-	-	-	-	-	-	-	-	-	591,660	3,509	3,479*	
Auger-BAM 5180		32-36	-	-	-	-	-	-	-	-	-	1,351,631	19,537	-	
												Total	3,718,186	39,588	3,479
Original Fuels, Inc.															
3381001	LK, UF	30	-	-	-	-	-	-	-	-	-	212,665	9,505	-	
P & N Coal Co., Inc.															
33733009/33850106	LUF	28-36	-	-	-	-	-	-	-	-	-	963,705	3,947	2,874*	
33813012/33693008	LUF	28-36	-	-	-	-	-	-	-	-	-	498,060	4,238	38,125#	
33820143	LUF	30-40	-	-	-	-	-	-	-	-	-	272,338	1,413	175#	
33840114/33860119	MK	22	-	-	-	-	-	-	-	-	-	733,916	3,628	3,517*	
33840123	ULF	28-36	-	-	-	-	-	-	-	-	-	1,518,375	5,542	8,721*	
33850107															
												Total	3,986,394	18,768	53,412

JEFFERSON 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	Gas- eous	Non- Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	
Penn-Grampian Coal Co. 33763110	LK	24	-	-	-	-	-	-	-	-	111,935	775	812*	
33840104	LMK	20-24	-	-	-	-	-	-	-	-	28,605	330	477*	
											140,540	1,105	1,289	
R.E.M. Coal Co., Inc. 33850103	MK	18	-	-	-	-	-	-	-	-	298,575	4,773	-	
R & L Coal Corp. 33840108	UF	42	-	-	-	-	-	-	-	-	-	-	-	
33870104	LF	60	-	-	-	-	-	-	-	-	-	-	-	
Rice Coal Co. 33860115	LF	48	-	-	-	-	-	-	-	-	4,880	150	-	
Rosio Coal Co. 33820149	LF	26	-	-	-	-	-	-	-	-	6,975	20	-	
Seven Sisters Mining Co., Inc. 33830116	LMK	-	-	-	-	-	-	-	-	-	12,703	1,278	-	
Shaffers Mining Corp. 33840106	LK	28	-	-	-	-	-	-	-	-	-	-	-	
33850111	Clarion, LK	24	-	-	-	-	-	-	-	-	-	-	-	
Sky Haven Coal, Inc. 33850117	UK	26	-	-	-	-	-	-	-	-	-	-	-	
Smith Coal Co., A.A. 33810129	UK	18	-	-	-	-	-	-	-	-	-	-	-	
33820106	Luthersburg, UK	15-18	-	-	-	-	-	-	-	-	-	-	-	
Starr Coal Co. 33800112	ULF	28	-	-	-	-	-	-	-	-	271,005	5,309	12,725	
Strishock Coal Co. 33820114	UK	24	-	-	-	-	-	-	-	-	164,165	781	1,058*	

JEFFERSON 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		
			Shaft	Slope		Drift	Open			Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
				Depth	Length										Degrees
Sugar Hill Limestone Co. 33773132	LK	22	-	-	-	-	-	-	-	-	-	-	-	-	-
33850109	LF	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Terry Coal Sales, Inc. 33820146	LK	30	-	-	-	-	-	-	-	-	-	453,265	10,929	-	-
33860107	LK	20	-	-	-	-	-	-	-	-	-	822,895	12,759	-	-
33870111	MK	28	-	-	-	-	-	-	-	-	-	962,055	6,454	-	-
											Total	<u>2,238,215</u>	<u>30,142</u>	<u>-</u>	<u>-</u>
Thompson Fuel Co. 33870105	LK	12	-	-	-	-	-	-	-	-	-	-	-	-	-
Valier Mining 33870101	LF	45	-	-	-	-	-	-	-	-	-	-	-	-	-
33880103	LF	45	-	-	-	-	-	-	-	-	-	-	-	-	-
											COUNTY TOTAL	<u>18,531,676</u>	<u>163,039</u>	<u>203,062</u>	

Note:

- * Caps
- @ Cast Booster
- # Wet Pack

Symbols for Geologic Name of Coal Bed:

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