

CLEARFIELD COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Geological Formation	Height of Seam Inches	Kind of Opening :				Number and Type :			Pounds of Explosives Used		Other Permis- sible (Name)		
			:Shaft:	Slope	:Drift:	:	:Lamps Used	:	:	:	Ammonium Nitrate		Dynamite	
			:Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	tric :			
AME Enterprises, Inc.														
17793044	L.M.K.	24	-	-	-	-	-	-	-	-	-	444,863	2,985	-
17803045	M.U.K./L.F.	12-24	-	-	-	-	-	-	-	-	-	535,452	3,920	-
17813046	M.U.K.	24-27	-	-	-	-	-	-	-	-	-	36,105	144	-
17820181	M.U.K.	24-72	-	-	-	-	-	-	-	-	-	341,800	8,764	-
17830104	L.K./Rider	36-60	-	-	-	-	-	-	-	-	-	288,953	1,788	-
17840123	M.U.K.	12-24	-	-	-	-	-	-	-	-	-	136,809	1,100	-
									TOTAL			1,783,982	18,701	-
Andray Mining Co.														
17793018	L.U.F.	24-40	-	-	-	-	-	-	-	-	-	418,035	2,528	4,841#
Auger-BAM 40054	U.L.F.	24-30	-	-	-	-	-	-	-	-	-	100,695	367	661#
									TOTAL			518,730	2,895	5,502
Avery Coal Co., Inc.														
17820151	M. & L.K.	34-38	-	-	-	-	-	-	-	-	-	76,800	1,732	-
Baumgardner Coal Co., Inc. Larry D.														
17803029	L.K.	24-28	-	-	-	-	-	-	-	-	-	205,671	1,511	10,930
17840112	U.K.	32-34	-	-	-	-	-	-	-	-	-	-	-	-
17850902	L.K.	36	-	-	-	-	-	-	-	-	-	-	-	-
									TOTAL			205,671	1,511	10,930
Becker Coal Co., Paul F.														
17850113	Mahoning	36	-	-	-	-	-	-	-	-	-	-	-	-
Bender Coal Co., E. P.														
17830117	U.F.	15	-	-	-	-	-	-	-	-	-	105,760	2,310	-
17850122	M.K.	24-30	-	-	-	-	-	-	-	-	-	674,350	7,340	-
									TOTAL			780,110	9,650	-
Benjamin Coal Co.														
17774010	U.F./Mahoning	22-26	-	-	-	-	-	-	-	-	-	290,811	2,000	2,783
17764008	M.K.	32	-	-	-	-	-	-	-	-	-	124,616	857	1,193
17794009	U.L.F./U.K.	10-36-26	-	-	-	-	-	-	-	-	-	786,852	5,413	7,530
17804004	L.U.F.	26-28	-	-	-	-	-	-	-	-	-	418,653	2,880	4,006
17810120	U.F.	36	-	-	-	-	-	-	-	-	-	22,452	154	215

CLEARFIELD 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			Pounds of Explosives Used		Other Permis- sible (Name)		
			:Shaft:	Slope	:Drift:	:	: Lamps Used	:	: Non-	: Flame	: Elec-		Ammonium Nitrate	Dynamite
Benjamin Coal Co. (Cont.)														
17820132	L.M.U.K.	40-27-22	-	-	-	-	-	-	-	-	649,012	4,464	6,211	
17840105	L.U.F.	26-28	-	-	-	-	-	-	-	-	885,360	6,090	8,472	
17840134	U.L.F./U.K.	23-25-27	-	-	-	-	-	-	-	-	762,044	5,242	7,292	
17850120	U.K./L.F.	22-27	-	-	-	-	-	-	-	-	2,608,941	17,947	24,966	
17850130	U.F.	36	-	-	-	-	-	-	-	-	1,299,752	8,941	12,438	
17860105	L.M.U.K.	18-22-28	-	-	-	-	-	-	-	-	587,238	4,040	5,620	
											TOTAL	8,435,731	58,028	80,726
Brown, Inc., E. M.														
17743020	L.K.	40	-	-	-	-	-	-	-	-	-	-	-	
17773008	U.K.	24	-	-	-	-	-	-	-	-	15,170	98	-	
17773022	Clarion	30	-	-	-	-	-	-	-	-	-	-	-	
17803023	Clarion/L.K.	30	-	-	-	-	-	-	-	-	17,410	220	-	
17813024	L.M.K.	22-24	-	-	-	-	-	-	-	-	11,300	56	-	
17820146	M.U.K.	15-30	-	-	-	-	-	-	-	-	-	-	-	
17820175	Clarion/L.K.	30-48	-	-	-	-	-	-	-	-	63,660	452	-	
17840152	L.K.	38	-	-	-	-	-	-	-	-	78,180	1,038	-	
17840904	L.K.	24	-	-	-	-	-	-	-	-	50,870	247	-	
17850137/17840139	Clarion/Brookville	30	-	-	-	-	-	-	-	-	175,495	1,298	-	
											TOTAL	412,085	3,409	-
Bumbarger & Son, H.														
17820113	L.K.	24	-	-	-	-	-	-	-	-	-	90,364	-	
17840115	L.K.	24	-	-	-	-	-	-	-	-	-	-	-	
											TOTAL	-	90,364	-
Carlin Inc., R.S.														
17793140	U.M.K.	12-24	-	-	-	-	-	-	-	-	1,763,249	11,239	9,256#	
Cambria Coal Co.														
17753059	-	-	-	-	-	-	-	-	-	-	47,707	151	242#	
16803062	M.K./U.L.F.	19-26-30	-	-	-	-	-	-	-	-	815,755	4,431	5,530#	
17824040	U.F.	22	-	-	-	-	-	-	-	-	829,783	6,438	7,043#	
17840154	M.L.K.	14-24	-	-	-	-	-	-	-	-	161,915	999	1,169#	
Auger-BAM 40151	U.F.	22	-	-	-	-	-	-	-	-	-	-	-	
											TOTAL	1,855,160	12,019	13,984

CLEARFIELD 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 :			Pounds of Explosives Used		Other Permis- sible (Name)		
			Shaft:	Slope	Drift:	:	Lamps Used	:	:	Ammonium Nitrate	Dynamite			
			Depth:	Length:	Degrees:	Drift:	Gas- eous:	Gas- eous:	Open- Safety:	Elec- tric :				
Cambria Mills Coal Co., Inc.														
17743033	U.L.F./U.K.	32	-	-	-	-	-	-	-	-	6,238	26	30#	
17803034	U.L.F./U.L.K.	32	-	-	-	-	-	-	-	-	517,726	2,134	2,510#	
17840157	U.L.F./L.K.	32	-	-	-	-	-	-	-	-	99,802	411	484#	
											TOTAL	623,766	2,571	3,024
Central Pa. Coal Co., Inc.														
17753159	Mahoning	23	-	-	-	-	-	-	-	-	82,510	3,891	31,365	
17803161	U.L.F.	23	-	-	-	-	-	-	-	-	1,996,292	65,645	91,485#	
17860122	U.L.F.	23	-	-	-	-	-	-	-	-	-	-	-	
											TOTAL	2,078,802	69,536	122,850
Chew's Contracting Co., Inc.														
17813143	Clarion	14	-	-	-	-	-	-	-	-	-	-	-	
Cowfer Contracting Co., Inc. James I														
3266BSM76/4474BSM19	Bituminous	28	-	-	-	-	-	-	-	-	46,750	265	680	
17820152	Bituminous	28	-	-	-	-	-	-	-	-	-	-	-	
17830119	Bituminous	24	-	-	-	-	-	-	-	-	406,850	1,735	18,420	
											TOTAL	450,600	2,000	19,100
Deer Run Coal Co.														
17840118	-	46	-	-	-	-	-	-	-	-	-	-	-	
Dressler, W. Ruskin														
17850123	L.M.U.K.	24-29	-	-	-	-	-	-	-	-	48,435	180	170#	
EJH Contracting Co., Inc.														
17860116	M.K.	25	-	-	-	-	-	-	-	-	9,752	225,180	-	
Edmunds Contracting & Supply Co., Inc.														
17813156	U.F./Mahoning	16-30	-	-	-	-	-	-	-	-	1,124,468	-	96,126	
17820119	L.F.	24	-	-	-	-	-	-	-	-	-	-	-	
17840138	U.L.F.	20	-	-	-	-	-	-	-	-	553,843	-	47,345	
											TOTAL	1,678,311	-	143,471
Empire Coal Co., Inc.														
17743187	L.M.K./Clarion	18-20-44	-	-	-	-	-	-	-	-	1,164,995	8,014	11,148	

CLEARFIELD 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 :			Pounds of Explosives Used		Other Permis- sible (Name)		
			:Shaft:	Slope	:Drift:	:	:Lamps Used:	:	:	Ammonium Nitrate	Dynamite			
			:Depth:	Length:	Degrees:	:Drift:	:Non- eous:	:Gas- eous:	:Flame Open:	:Elec- Safety:	:tric :			
Fahr Coal Co. 17743019	Split C/M.K.	24-28	-	-	-	-	-	-	-	-	-	98,390	664	-
Flango Bros. Coal, Inc. 17820108	L.K.	24	-	-	-	-	-	-	-	-	-	1,083,060	27,428	134,350
Forcey Coal, Inc. 17840151	U.F.	37	-	-	-	-	-	-	-	-	-	-	-	-
17860901	U.F.	70	-	-	-	-	-	-	-	-	-	-	-	-
Glacial Minerals, Inc. 17830122	Freeport	Gob	-	-	-	-	-	-	-	-	-	-	-	-
Glendale Contracting Co., Inc. 17860130	U.F.	27	-	-	-	-	-	-	-	-	-	499,061	3,322	-
Graham Bros. Lumber Co., Inc. 17820149	L.K.	42	-	-	-	-	-	-	-	-	-	6,565	1,544	-
17820149	Clarion	20	-	-	-	-	-	-	-	-	-	286,796	1,742	2,819
												293,361	3,286	2,819
Greenbriar Associates 17783113	M.K.	24	-	-	-	-	-	-	-	-	-	32,960	-	68
Hamilton Bros. Coal, Inc. 17860125	U.L.F.	24	-	-	-	-	-	-	-	-	-	130,364	-	1,124
Hamilton Contracting Co., Al 17753112	U.M.F.	Stumps	-	-	-	-	-	-	-	-	-	285,375	4,223	2,255
17803167	U.L.F.	24-30	-	-	-	-	-	-	-	-	-	220,990	1,932	714
17803176	M.L.K.	10-30	-	-	-	-	-	-	-	-	-	256,888	3,943	1,866
17810104	M.K.	12-20	-	-	-	-	-	-	-	-	-	191,937	4,712	3,611
17813055	L.M.K.	12-20	-	-	-	-	-	-	-	-	-	250,030	6,792	4,855
17820106	M.L.K.	20-40	-	-	-	-	-	-	-	-	-	139,885	3,623	2,070
17820122	U.M.K.	15-30	-	-	-	-	-	-	-	-	-	441,993	2,277	2,277
17820178	U.L.F.	26	-	-	-	-	-	-	-	-	-	139,170	2,527	1,763
17840131	L.F.	Stumps	-	-	-	-	-	-	-	-	-	283,415	3,338	1,878
17840158	L.F.	24-36	-	-	-	-	-	-	-	-	-	257,770	2,147	915
17850104	U.M.K.	12-30	-	-	-	-	-	-	-	-	-	669,907	5,711	2,521

CLEARFIELD 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 :			Pounds of Explosives Used		Other Permis- sible (Name)			
			:Shaft:	Slope	:Drift:	:	: Lamps Used :	:	:	:	Ammonium Nitrate		Dynamite		
			:Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	tric :				
K & J Coal Co., Inc.															
17820176	U.F.	25	-	-	-	-	-	-	-	-	-	523,371	75,668	6,316¢	
17830111	U.F./Rider	7-22	-	-	-	-	-	-	-	-	-	582,772	36,927	4,342¢	
17803026	U.F./Rider	12-18	-	-	-	-	-	-	-	-	-	-	-	-	
												TOTAL	1,106,143	112,595	10,658
Kasubick Bros. Coal Co.															
17820129	L.K.	20	-	-	-	-	-	-	-	-	-	7,900	320	-	
King Coal Sales, Inc.															
17810134	Kittanning	24	-	-	-	-	-	-	-	-	-	1,070,560	6,100	-	
17850127	Kittanning	14	-	-	-	-	-	-	-	-	-	14,450	123	-	
												TOTAL	1,085,010	6,223	-
Kitko, Francis B.															
17703110	Freeport	48	-	-	-	-	-	-	-	-	-	-	-	-	
Lansberry Coal & Excavating Co.															
17840137	L.K.	48	-	-	-	-	-	-	-	-	-	-	-	-	
Linn Corp.															
17850117	U.F.	30	-	-	-	-	-	-	-	-	-	-	-	-	
17860115	U.F.	30-52	-	-	-	-	-	-	-	-	-	-	-	-	
L.T. Contracting, Inc.															
17714023	U.L.F.	26	-	-	-	-	-	-	-	-	-	241,343	9,527	-	
17850118	L.K.	26	-	-	-	-	-	-	-	-	-	41,990	3,531	-	
												TOTAL	283,333	13,058	-
M & M Construction Co., Inc.															
17793178	U.F.	12	-	-	-	-	-	-	-	-	-	-	-	-	
M. B. Energy, Inc.															
17840108	L.K./Brookville	30-45	-	-	-	-	-	-	-	-	-	81,160	-	2,183¢	
17840109	U.K./U.L.F.	24-30	-	-	-	-	-	-	-	-	-	311,505	1,519	2,242¢	
17840127	U.K./U.F.	32-36	-	-	-	-	-	-	-	-	-	62,460	217	375¢	
17850114	U.L.F.	32-36	-	-	-	-	-	-	-	-	-	240,710	1,182	2,248¢	
												TOTAL	695,835	2,918	7,048

CLEARFIELD 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 :			Pounds of Explosives Used		Other Permis- sible (Name)
			:Shaft:	Slope	:Drift:	:	:Lamps Used	:Non-:	:Gas-:gas-:	:Flame :Elec-:	Ammonium Nitrate	
			:Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	tric :	
McDonald Land & Mining Co., Inc.												
17773066	M.K.	27	-	-	-	-	-	-	-	-	-	-
17773069	M.L.U.K.	20-26	-	-	-	-	-	-	-	-	-	6,300 125
17813063	U.K./L.F.	24-36	-	-	-	-	-	-	-	-	-	28,400 500
17820153	L.F.	28	-	-	-	-	-	-	-	-	-	160,800 2,376
17850116	L.F./M.U.K.	24-33	-	-	-	-	-	-	-	-	-	96,124 1,936
17850148	L.U.F.	28-32	-	-	-	-	-	-	-	-	-	1,093,830 17,293
17860121	U.L.F.	26-28	-	-	-	-	-	-	-	-	-	371,800 7,064
17860128	L.U.F./U.K.	12-26-30	-	-	-	-	-	-	-	-	-	295,000 3,105
17870901	U.F.	23	-	-	-	-	-	-	-	-	-	-
Auger-BAM 40143	M.K.	27	-	-	-	-	-	-	-	-	-	-
									TOTAL			2,052,254 32,399
McGovern Coal Co., Clair C.												
17663136	L.K.	36	-	-	-	-	-	-	-	-	-	50,450
17840133	M.K.	22	-	-	-	-	-	-	-	-	-	40,400
									TOTAL			90,850
Midway Excavating												
17820135	Moshannon	16	-	-	-	-	-	-	-	-	-	-
Moshannon Falls Mining Co.												
17803100	L.M.U.K.	12-24	-	-	-	-	-	-	-	-	-	238,766 650 1,874
17850144	U.F.	20	-	-	-	-	-	-	-	-	-	-
Mustang Coal & Contracting Co.												
17773038	L.K.	38	-	-	-	-	-	-	-	-	-	-
17813039	L.K.	24	-	-	-	-	-	-	-	-	-	23,990 962 1,010
17823174	L.K.	38	-	-	-	-	-	-	-	-	-	398,830 3,259 5,106
17860114	L.K.	38	-	-	-	-	-	-	-	-	-	252,482 5,727 12,860
									TOTAL			675,302 9,948 18,976
Northern Counties Coal Co.												
17830110	L.K.	26	-	-	-	-	-	-	-	-	-	800,949 5,053 3,163
17860120	M.U.K./L.F.	18-36	-	-	-	-	-	-	-	-	-	519,365 4,887 3,043
									TOTAL			1,320,314 9,940 6,206

CLEARFIELD 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 :			Pounds of Explosives Used			Other Permis- sible (Name)		
			Shaft:	Slope	Drift:	Lamps Used	Non- :Gas- :gas- :Open:	Flame :Elec- :tric :	Ammonium Nitrate	Dynamite				
P & N Coal Co., Inc.														
17743003	U.K./L.U.F.	26-30	-	-	-	-	-	-	-	-	1,422,723	20,202	36,390	
17793010	L.F./U.K.	26-30	-	-	-	-	-	-	-	-	72,854	1,285	5,075	
											TOTAL	1,495,577	21,487	41,465
Penn Grampian Coal Co.														
17840120	L.F.	24-26	-	-	-	-	-	-	-	-	140,500	2,450	-	
Power Operating Co., Inc.														
17673057	M.U.L.K./L.F.	24-30-42	-	-	-	-	-	-	-	-	4,827,128	28,099	-	
17820114	U.K.	30	-	-	-	-	-	-	-	-	26,713	575	-	
17830132	M.K.	26	-	-	-	-	-	-	-	-	-	-	-	
17850102	L.F./U.M.K.	28-30-42	-	-	-	-	-	-	-	-	830,998	10,581	-	
17860144	U.K.	30	-	-	-	-	-	-	-	-	26,713	575	-	
Unknown(c)	-	-	-	-	-	-	-	-	-	-	-	-	-	
											TOTAL	5,711,552	39,830	-
Ratay Coal, Inc.														
17830134	U.L.K./L.F.	24-42	-	-	-	-	-	-	-	-	278,590	2,518	3,994e	
Reese Coal, Inc., Philip														
17814033	U.M.L.K.	18-34	-	-	-	-	-	-	-	-	315,000	13,300	-	
River Hill Coal Co., Inc.														
17663047	M.U.K./L.U.F.	24-36	-	-	-	-	-	-	-	-	1,339,601	7,338	-	
Roy Coal Co., Inc.														
17743165	U.M.K.	15-30	-	-	-	-	-	-	-	-	4,610	300	116	
Ryan Bros. Coal Co.														
17800146	L.U.F.	24-26	-	-	-	-	-	-	-	-	(a)	-	-	
17840104	Kittanning/L.U.F.	16-30	-	-	-	-	-	-	-	-	(a)	-	-	
S.R.F. Coal Co., Inc.														
17860101	L.F.	38	-	-	-	-	-	-	-	-	93,104	3,119	-	
Shaffer Mining Corp.														
17813052	U.F.	26	-	-	-	-	-	-	-	-	68,710	1,013	-	
Shale Hill Coal Co.														
17803104	U.K.	14	-	-	-	-	-	-	-	-	1,000	14	-	
17803015-05	U.F.	24	-	-	-	-	-	-	-	-	35,150	606	-	

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Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening :				Number and Type :			Pounds of Explosives Used		Other Permis- sible (Name)
			:Shaft:	Slope	:Drift:	:	: Lamps Used :	: :	: :	Ammonium Nitrate	Dynamite	
			:Depth:	Length:	Degrees:	Drift:	:Gas-:gas-:	:Flame :Elec-:				
Shale Hill Coal Co., Inc. (Cont.)												
17803105-08	U.K.	16	-	-	-	-	-	-	-	-	-	-
17820118	U.F.	20	-	-	-	-	-	-	-	45,155	1,092	-
17820172	L.F./U.K.	19-24	-	-	-	-	-	-	-	48,421	2,205	-
17850103	L.F.	20	-	-	-	-	-	-	-	41,150	996	-
									TOTAL	170,876	4,913	-
Sky Haven Coal, Inc.												
1763148	Kittanning	30	-	-	-	-	-	-	-	69,793	2,162	-
1763149	Kittanning	26	-	-	-	-	-	-	-	12,930	308	-
17713099	Kittanning	26	-	-	-	-	-	-	-	7,493	-	-
17753116	Freeport	28	-	-	-	-	-	-	-	87,905	3,109	-
17783017	Kittanning	30	-	-	-	-	-	-	-	56,573	1,993	-
17793088	Kittanning	28	-	-	-	-	-	-	-	74,668	2,946	-
17793090	Freeport	28	-	-	-	-	-	-	-	34,664	1,922	-
178013108	Kittanning	28	-	-	-	-	-	-	-	8,194	103	-
17803094	Freeport	68	-	-	-	-	-	-	-	102,664	4,012	-
17813084	Kittanning	28	-	-	-	-	-	-	-	119,288	4,309	-
17813091	Kittanning	28	-	-	-	-	-	-	-	72,908	2,146	-
17813093	Kittanning	34	-	-	-	-	-	-	-	64,194	1,862	-
17813098	Kittanning	24	-	-	-	-	-	-	-	42,008	1,472	-
17813122	Kittanning	28	-	-	-	-	-	-	-	246	-	-
17820104	Kittanning	30	-	-	-	-	-	-	-	71,613	1,844	-
17820131	Freeport	24	-	-	-	-	-	-	-	16,305	88	-
17820141	Kittanning	28	-	-	-	-	-	-	-	2,672	85	-
17820148	Kittanning	30	-	-	-	-	-	-	-	69,793	2,162	-
17820155	Freeport	26	-	-	-	-	-	-	-	11,634	484	-
17820164	Kittanning	30	-	-	-	-	-	-	-	16,440	87	-
17820182	Freeport	34	-	-	-	-	-	-	-	73,205	2,840	-
17820183	Freeport	44	-	-	-	-	-	-	-	6,796	143	-
17830116	L.F.	60	-	-	-	-	-	-	-	61,315	486	-
17830126	Kittanning	22	-	-	-	-	-	-	-	14,193	364	-

CLEARFIELD 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			Pounds of Explosives Used		Other Permis- sible (Name)		
			Shaft	Slope	Drift	Gas	Lamps Used	Flame	Elec	Ammonium Nitrate	Dynamite			
			Depth	Length	Degrees	Drift	eous	eous	Open	Safety	tric			
Thomas Coal Co., Inc. (Cont.)														
17803072	L.U.M.K.	24-36	-	-	-	-	-	-	-	-	-	151,770	3,910	-
17820125	U.M.K./L.F.	12-24	-	-	-	-	-	-	-	-	-	59,420	2,320	-
17820127	L.M.U.K.	24-36	-	-	-	-	-	-	-	-	-	1,121,773	7,624	-
17820177	L.M.K./L.U.F.	12-26	-	-	-	-	-	-	-	-	-	564,280	8,544	-
Auger-BAM 40141	-	-	-	-	-	-	-	-	-	-	-	-	-	-
									TOTAL			1,975,408	24,680	-
Thompson Bros. Coal Co., Inc.														
17803054	L.K.	54	-	-	-	-	-	-	-	-	-	1,600,579	20,760	-
Turner Coal Co., W. K.														
17774017	L.M.K.	18	-	-	-	-	-	-	-	-	-	(a)	-	-
Warquier Coal Co.														
17820116	U.L.F.	24-28	-	-	-	-	-	-	-	-	-	-	-	-
17850125	L.F.	23	-	-	-	-	-	-	-	-	-	290,619	6,509	-
17850139	U.L.F.	24-28	-	-	-	-	-	-	-	-	-	245,210	3,851	-
17850140	U.F.	26	-	-	-	-	-	-	-	-	-	123,085	7,410	-
17850149	L.F.	22	-	-	-	-	-	-	-	-	-	66,075	2,064	-
									TOTAL			724,989	19,834	-
									COUNTY TOTAL			53,694,851	1,020,957	700,128

Note: † Caps
 @ Wet Hole
 (a) All blasting contracted

Symbols for Geological Name of Coal Bed:

- U.K. - Upper Kittanning
- M.K. - Middle Kittanning
- L.K. - Lower Kittanning
- U.F. - Upper Freeport
- M.F. - Middle Freeport
- L.F. - Lower Freeport

CLINTON 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 :			Pounds of Explosives Used		Other Permis- sible (Name)		
			:Shaft:	Slope	:Drift:	:	:Lamps Used	:	:Non-:	:Flame :	Elec-:		Ammonium Nitrate	Dynamite
Antrim Mining, Inc. 18820102	Clarion	60	-	-	-	-	-	-	-	-	1,065,800	8,540	-	
Confer Bros. Coal Co. 1870101	Brookville	30	-	-	-	-	-	-	-	-	87,500	1,600	200	
188001	Brookville	30	-	-	-	-	-	-	-	-	167,278	3,400	550	
											TOTAL	254,778	5,000	750
Hanslovan Coal Co., Inc., Ed 18840101	Kittanning	30	-	-	-	-	-	-	-	-	-	412	-	
River Hill Coal Co., Inc. 18850101	M.K./U.K.	18-32	-	-	-	-	-	-	-	-	558,838	3,204	-	
											COUNTY TOTAL	1,879,416	17,156	750

Symbols for Geological Name of Coal Bed:

- U.K. - Upper Kittanning
- M.K. - Middle Kittanning
- L.K. - Lower Kittanning
- U.F. - Upper Freeport
- M.F. - Middle Freeport
- L.F. - Lower Freeport

ELK 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 :			Pounds of Explosives Used		Other Permis- sible (Name)				
			:Shaft:	Slope	:Drift:	:Lamps	Used	:Flame	:Elec-	Ammonium		Dynamite			
			:Depth:	Length:	Degrees:	:Drift:	:Non-	:Gas-	:gas-	:Flame	:Elec-	Nitrate	Dynamite	(Name)	
Fairview Coal Co.	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
24820108	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
24820110	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
24840103	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hepburnia Coal Co.	U.K./L.F.	26-40	-	-	-	-	-	-	-	-	-	-	-	-	
24820109	U.K./L.F.	26-40	-	-	-	-	-	-	-	-	-	-	-	-	
Mottern Coal, Inc., Floyd	Bituminous	36	-	-	-	-	-	-	-	-	-	-	-	-	
24860101	Bituminous	36	-	-	-	-	-	-	-	-	-	-	-	-	
Northern Counties Coal Co., Inc.	L.K./M.K.	16-24	-	-	-	-	-	-	-	-	-	348,598	2,980	1,832	
24743016	L.K./M.K.	16-24	-	-	-	-	-	-	-	-	-	236,671	1,700	989@	
24823001	L.M.K./L.K.	20-24	-	-	-	-	-	-	-	-	-				
												TOTAL	585,269	4,680	2,821
P&N Coal Co., Inc.	L.F.	22-32	-	-	-	-	-	-	-	-	-	74,425	308	277@	
24840105	L.F.	22-32	-	-	-	-	-	-	-	-	-				
S & S Coal Leasing Co.	L.K.	36	-	-	-	-	-	-	-	-	-	-	-	-	
26860104 & Auger BAM-5172	L.K.	36	-	-	-	-	-	-	-	-	-	-	-	-	
Strishock Coal Co.	M.K.	28	-	-	-	-	-	-	-	-	-	4,400	20	26@	
24820107	M.K.	28	-	-	-	-	-	-	-	-	-				
Tamburlin Bros. Coal Co., Inc.	L.F.	28	-	-	-	-	-	-	-	-	-	16,900	125	690	
24813008	L.F.	28	-	-	-	-	-	-	-	-	-				
24830103	M.U.K.	30	-	-	-	-	-	-	-	-	-				
4670BSM4	U.F.	40	-	-	-	-	-	-	-	-	-				
4678SM3	L.F.	28	-	-	-	-	-	-	-	-	-				
4678SM4	M.K.	30	-	-	-	-	-	-	-	-	-	11,150	150	2,820	
												TOTAL	28,050	275	3,510
Vollmer, Lawrence B.	L.U.K.	28-30	-	-	-	-	-	-	-	-	-	-	-	-	
24673003	L.U.K.	28-30	-	-	-	-	-	-	-	-	-				
												COUNTY TOTAL	692,144	5,283	6,634

Note: @ Caps

Symbols for Geological Name of Coal Bed: U.K. - Upper Kittanning, M.K. - Middle Kittanning, L.K. - Lower Kittanning, U.F. - Upper Freeport, M.F. - Middle Freeport, L.F. - Lower Freeport

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 :				Pounds of Explosives Used		Other Permis- sible (Name)		
			:Shaft:	Slope	:Drift:	:	:Lamps Used	:	: :	:	Ammonium	Dynamite			
			:Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	tric :	Nitrate			
Boyle Land & Fuel 26840105	U.K.	54	-	-	-	-	-	-	-	-	-	973,652	14,906	187,315	
Bridgeview Coal Co. 26840109	U.K./L.F.	60	-	-	-	-	-	-	-	-	-	1,500	260,300	-	
26850113	U.K./L.F.	60	-	-	-	-	-	-	-	-	-	5,555	903,760	-	
												TOTAL	7,055	1,164,060	-
Brant Coal Co., Inc. 26813090	L.F.	48	-	-	-	-	-	-	-	-	-	19,200	525	-	
Chess Coal Co. 26783037	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
26870105	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
Durant Excavating Co. 26840121	Pittsburgh	84	-	-	-	-	-	-	-	-	-	-	-	-	
G.K. & G., Inc. 26820201 refuse	GOB	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gioia Coal Co. 26860101	Up. Bakertown	36-40	-	-	-	-	-	-	-	-	-	39,827	241	-	
26863084	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3375SM63T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
												TOTAL	39,827	241	-
Grindstone Coal Co., Inc. 26820130	Bituminous	84	-	-	-	-	-	-	-	-	-	-	-	-	
Herring, Rolland & Lee, Harry 26830112	Redstone/Pittsburgh	36-96	-	-	-	-	-	-	-	-	-	-	-	-	
26850117	Redstone/Sewickley	30-60	-	-	-	-	-	-	-	-	-	18,200	456	456#	
												TOTAL	18,200	456	456#
Jordan Coal Co., James V. 26850111	Pittsburgh	84	-	-	-	-	-	-	-	-	-	-	-	-	
26860104	Pittsburgh	84	-	-	-	-	-	-	-	-	-	-	-	-	
Linda Carol Coal, Inc. 26830114	Pittsburgh	60	-	-	-	-	-	-	-	-	-	-	-	-	
Oak Run Coal, Inc. 26850101	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	

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 :			Pounds of Explosives Used		Other Permis- sible (Name)		
			Shaft:	Slope	Drift:	:	Lamps Used	:	:	Ammonium Nitrate	Dynamite			
			Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	tric :			
			:	:	:	:	Gas-:	gas-:	Flame :	Elec-:	:			
Balazick, Charles 30860101	Waynesburg	54	-	-	-	-	-	-	-	-	-	50,075	752	-
Balltown Gas Co. 30850101	Waynesburg	72-84	-	-	-	-	-	-	-	-	-	257,643	-	-
Boyle Land & Fuel 30803016	Waynesburg	64	-	-	-	-	-	-	-	-	-	-	-	-
30803021	Waynesburg	60	-	-	-	-	-	-	-	-	-	-	-	-
30823015	Waynesburg	56	-	-	-	-	-	-	-	-	-	-	-	-
30823028	Waynesburg	60	-	-	-	-	-	-	-	-	-	496,202	1,330	350
30830102	Waynesburg	64	-	-	-	-	-	-	-	-	-	-	-	-
30860102	Waynesburg	60	-	-	-	-	-	-	-	-	-	683,590	2,399	333
32B76SM8	Waynesburg	60	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL												1,179,792	3,729	683
C&J Coal Co. 30830108	Sewickley	48	-	-	-	-	-	-	-	-	-	-	-	-
Chess Coal Co. 30773006	Sewickley	36-48	-	-	-	-	-	-	-	-	-	9,000	50	-
Emellio Mining Co., LTD 30850104	Sewickley	60	-	-	-	-	-	-	-	-	-	18,100	100	-
Ford & Gaskill 30703003	Sewickley	30-60	-	-	-	-	-	-	-	-	-	750,975	-	2,268
30830102	Sewickley	60	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL												750,975	-	2,268
Genovese II, Theodore R. 30850102 & Auger BAM 3228	Sewickley	50	-	-	-	-	-	-	-	-	-	22,550	900	-
Greene Coal Co. 30813013(T)	Waynesburg	50	-	-	-	-	-	-	-	-	-	-	-	-
Greene County Coal Co. 30840102	(a) Waynesburg	48	-	-	-	-	-	-	-	-	-	-	-	-
Lawrence Coal Co. 30713008	Waynesburg	60	-	-	-	-	-	-	-	-	-	-	-	-

GREENE 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 :				Pounds of Explosives Used		Other Permis- sible (Name)	
			Shaft:	Slope	Drift:	:	Lamps Used	:	:	:	Ammonium Nitrate	Dynamite		
			Depth:	Length:	Degrees:	Drift:	Gas-gas:	Non-:	Flame	Elec-:				
North Fayette Coal Co. 30813020	(b) Waynesburg	42	-	-	-	-	-	-	-	-	-	-	-	-
Rumble, Jim 30840105	Waynesburg	36	-	-	-	-	-	-	-	-	-	-	-	-
S.J.M. Diversified Co. 30813012	Waynesburg	54	-	-	-	-	-	-	-	-	-	-	-	-
Susan Ann Coal, Inc. 30813009	Waynesburg	42	-	-	-	-	-	-	-	-	68,250	-	-	250@
Viable Coal Corp., Inc. 30850103-02	Waynesburg(b)	48	-	-	-	-	-	-	-	-	-	-	-	-
W.F.W. Partnership 30830103	Pittsburgh	72	-	-	-	-	-	-	-	-	-	-	-	-
COUNTY TOTAL											2,356,385	5,531	3,201	

Note: @ Primers
(a) Contracted for blasting
(b) Sub-contracted

HUNTINGDON 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 :			Pounds of Explosives Used		Other Permis- sible (Name)		
			:Shaft:	Slope	:Drift:	:	: Lamps Used	:	:	Ammonium	Dynamite			
			:Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	tric :	Nitrate		
Glade Mill Coal Co., Inc. 4275SM2	-	-	-	-	-	-	-	-	-	-	-	-	-	
L&B Coal Co. Inc. 05830101 (3180010)	-	-	-	-	-	-	-	-	-	-	-	-	-	
COUNTY TOTAL												-	-	-

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 :			Pounds of Explosives Used		Other Permis- sible (Name)			
			:Shaft:	Slope	:Drift:	:	:Lamps Used	:Non-:	:Flame :	:Elec-:	Ammonium Nitrate		Dynamite		
			:Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	tric :				
A&T Coal Co. Inc. 32820137	Bakerstown	24	-	-	-	-	-	-	-	-	-	121,915	3,566	-	
Acme Drilling 32823035	U.F.	42	-	-	-	-	-	-	-	-	-	39,800	457	-	
Arcadia Co., Inc., The 32860104	U.L.F./U.K.	24-30-42	-	-	-	-	-	-	-	-	-	993,670	6,010	8,910e	
B & W Coal, Inc. 38823038-01	Pittsburgh	72	-	-	-	-	-	-	-	-	-	5,600	931	-	
32850112	Pittsburgh	72	-	-	-	-	-	-	-	-	-	3,500	573	-	
												TOTAL	9,100	1,504	-
Beilchick Bros. 32663056	U.F.	27	-	-	-	-	-	-	-	-	-	31,900	134	-	
32830113	L.F.	38	-	-	-	-	-	-	-	-	-	72,400	398	-	
												TOTAL	104,300	532	-
Benjamin Coal Co. 32823052	L.F.	20	-	-	-	-	-	-	-	-	-	-	-	-	
32830111	M.K./U.F.	14-28	-	-	-	-	-	-	-	-	-	297,240	2,040	2,844	
32840101	L.F.	18	-	-	-	-	-	-	-	-	-	346,595	2,384	3,317	
32850106	L.U.F.	24-27	-	-	-	-	-	-	-	-	-	978,153	6,720	9,360	
												TOTAL	1,621,988	11,144	15,521
Bentley Coal Co., Inc. 32793039	Mahoning	32	-	-	-	-	-	-	-	-	-	272,998	8,073	-	
32830102	L.F.	34	-	-	-	-	-	-	-	-	-	6,116	617	-	
32830110	L.F./Mahoning	32-34	-	-	-	-	-	-	-	-	-	125,826	3,108	-	
32860102	L.F.	32	-	-	-	-	-	-	-	-	-	1,125,588	13,352	-	
												TOTAL	1,530,528	25,150	-
Blairsville Associates 32823005	U.K.	30	-	-	-	-	-	-	-	-	-	284,034	6,788	-	
Buterbaugh Construction Co. 32753041															
Auger-BAM 240	U.F.	32	-	-	-	-	-	-	-	-	-	159,400	4,381	-	

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 :			Pounds of Explosives Used		Other Permis- sible (Name)		
			Shaft:	Slope	Drift:	:	Lamps Used	:	:	Ammonium Nitrate	Dynamite			
			Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	tric :			
Cloe Mining Co., Inc.														
32813007	L.U.F.	28-36	-	-	-	-	-	-	-	-	-	897,647	9,544	-
32830106	L.F.	20	-	-	-	-	-	-	-	-	-	169,353	1,199	-
32830107	U.K.	24	-	-	-	-	-	-	-	-	-	-	-	-
32840108	U.F.	48	-	-	-	-	-	-	-	-	-	-	-	-
32850104	L.U.F.	28-36	-	-	-	-	-	-	-	-	-	-	-	-
									TOTAL			1,067,000	10,743	-
Donray Industries														
32833055	L.F.	36	-	-	-	-	-	-	-	-	-	-	-	-
Auger-BAM 2001-215	L.F.	36	-	-	-	-	-	-	-	-	-	15,155	-	-
									TOTAL			15,155	-	-
FNR Mining Co.														
32840110	Kittanning	22	-	-	-	-	-	-	-	-	-	83,180	2,170	-
GLR Mining, Inc.														
32823019	L.F.	38	-	-	-	-	-	-	-	-	-	289,680	4,208	-
32850108	L.F.	38	-	-	-	-	-	-	-	-	-	94,950	1,941	-
									TOTAL			384,630	6,149	-
K.M.P. Associates														
32860101	Pittsburgh	96	-	-	-	-	-	-	-	-	-	-	-	-
Kent Coal Mining Co.														
32803010	U.F.	40-44	-	-	-	-	-	-	-	-	-	244,950	51,955	6,703#
32803012	Pittsburgh	132	-	-	-	-	-	-	-	-	-	2,650	100	-
32803042	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32813031	U.F.	40-44	-	-	-	-	-	-	-	-	-	17,100	7,865	282
32813034	Pittsburgh	132	-	-	-	-	-	-	-	-	-	-	-	-
32823057	Pittsburgh	90	-	-	-	-	-	-	-	-	-	923,600	17,602	-
Auger-BAM-220	Pittsburgh	132	-	-	-	-	-	-	-	-	-	-	-	-
									TOTAL			1,188,300	77,522	6,985
Kraynak Coal Co.														
32860103-01	L.F.	26	-	-	-	-	-	-	-	-	-	-	-	-
366M23	L.F.	36	-	-	-	-	-	-	-	-	-	15,860	5,600	-
									TOTAL			15,860	5,600	-

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 :			Pounds of Explosives Used		Other Permis- sible (Name)		
			Shaft:	Slope	Drift:	:	:	Lamps	Used	:	Ammonium Nitrate	Dynamite			
			Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	tric :				
L & J Energy, Inc. 32860110	L.F./L.K.	32-36	-	-	-	-	-	-	-	-	-	-	-	-	
Marion Center Mining Co., Inc. 32820138	L.F.	25	-	-	-	-	-	-	-	-	-	42,516	2,167	-	
Marquise Mining Corp. 32813061	U.K.	26	-	-	-	-	-	-	-	-	-	30,656	-	172#	
M.B. Energy, Inc. 32830108	U.L.F.	36-53	-	-	-	-	-	-	-	-	-	712,917(b)	-	3,208(c)	
32840111	L.F./U.L.K.	30-40-42	-	-	-	-	-	-	-	-	-	819,262(b)	-	6,689(c)	
												TOTAL	1,532,179	-	9,897
Mears Enterprises, Inc. 32803009	L.F.	26	-	-	-	-	-	-	-	-	-	47,950	12,445	-	
32813021	U.L.F.	20-30	-	-	-	-	-	-	-	-	-	-	-	-	
32823017	L.K.	36	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 2001-243	L.F.	26	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 2001-252	L.F.	26	-	-	-	-	-	-	-	-	-	-	-	-	
												TOTAL	47,950	12,445	-
Mill Run Contracting, Inc. 03803062	U.F.	54	-	-	-	-	-	-	-	-	-	13,191	118	-	
Negley Coal Co., Inc. 32753025	Pittsburgh	60	-	-	-	-	-	-	-	-	-	5,200	1,052	-	
North Cambria Fuel Co. 32823026	U.F.	46	-	-	-	-	-	-	-	-	-	-	-	-	
32840107	U.L.F.	42	-	-	-	-	-	-	-	-	-	881,963	-	4,283	
												TOTAL	881,963	-	4,283
P & N Coal Co., Inc. 32813011	U.L.F.	28-30	-	-	-	-	-	-	-	-	-	160,855	1,861	2,365e	
Peles, Joseph 32840103	L.F.	30	-	-	-	-	-	-	-	-	-	123,030	12,080	-	
Russellville Coal Co. 32803023	Bakerstown	15	-	-	-	-	-	-	-	-	-	68,096	2,571	-	

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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			Pounds of Explosives Used		Other Permis- sible (Name)		
			:Shaft:	Slope	:Drift:	: : :	: : :	: : :	: : :	: : :	: : :	: : :		Ammonium Nitrate	Dynamite
T. L. H. Coal Co. 3976SM10	M.U.K./L.U.F.	30	-	-	-	-	-	-	-	-	-	-	443,269	2,054	-
Twin Brook Coal Co. 32813001	Bakerstown	15	-	-	-	-	-	-	-	-	-	-	22,698	857	-
Yenzi, John 32820108	U.L.F.	40	-	-	-	-	-	-	-	-	-	-	-	-	-
COUNTY TOTAL												10,990,463	196,921	48,133	

Note: # Caps

- # Power Primer
- (b) Anfo, Gel Pac & Emul
- (c) Tovon, Tovex & Caps

Symbols for Geological Name of Coal Bed:

- U.K. - Upper Kittanning
- M.K. - Middle Kittanning
- L.K. - Lower Kittanning
- U.F. - Upper Freeport
- M.F. - Middle Freeport
- L.F. - Lower Freeport