

CLEARFIELD 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	Slope		Drift	Flame			Elec- tric	Ammonium Nitrate	Dynamite					
				Depth	Length								Degrees	Drift			
AME Enterprises, Inc.																	
17793044	LMK, Rider	6-28	-	-	-	-	-	-	-	-	-	417,322	3,380	-			
17803045	MUK, LF	12-24	-	-	-	-	-	-	-	-	-	280,775	1,797	-			
17813046	MUK	24-28	-	-	-	-	-	-	-	-	-	74,325	476	-			
17820181	MUK	14-26	-	-	-	-	-	-	-	-	-	692,738	4,434	-			
17830104																	
17840123	UMK, LF	12-18-24	-	-	-	-	-	-	-	-	-	526,556	4,265	-			
												Total	1,991,716	14,352	-		
Andray Mining Co.																	
17793018	MUK, LF	20-26-30	-	-	-	-	-	-	-	-	-	754,648	4,694	6,250			
Arcadia Co., Inc., The																	
17850110	UK, LUF, Mahoning	27-28-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17860146	ULF, UK, Mahoning	15-27-30	-	-	-	-	-	-	-	-	-	963,845	4,942	8,647			
												Total	963,845	4,942	8,647		
Avery Coal Co., Inc.																	
17803054	LK	54	-	-	-	-	-	-	-	-	-	472,114	3,634	-			
17820143(a)	Clarion, Mercer, MK	15-26-32	-	-	-	-	-	-	-	-	-	238,005	6,274	-			
17820143(a)	Clarion, Mercer, MK	15-26-32	-	-	-	-	-	-	-	-	-	35,000	249	-			
17820151	ULMK	12-28-34	-	-	-	-	-	-	-	-	-	1,166,524	12,525	-			
17870105	LK	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	1,911,643	22,682	-		
Baumgardner Coal Co., Inc., Larry D.																	
17803029	LK	28-34	-	-	-	-	-	-	-	-	-	125,350	959	10,650			
17870113	LF	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	125,350	959	10,650		

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 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		
Becker Coal Co., Paul F. 17850113	Mahoning	36	-	-	-	-	-	-	-	-	-	-	-	-	-
Bender Coal Co., E.P. 17850122	MK	24-30	-	-	-	-	-	-	-	-	-	165,465	2,669	-	
Benjamin Coal Co. 17794009	ULF, UK	12-25-36	-	-	-	-	-	-	-	-	-	970,842	3,164	7,717	
17804004	ULF	28	-	-	-	-	-	-	-	-	-	300,949	980	2,392	
17810120	UK, LF	22-25	-	-	-	-	-	-	-	-	-	1,625,557	5,298	12,922	
17820132	UMK	22-26	-	-	-	-	-	-	-	-	-	648,299	2,113	5,154	
17840105	ULF	28	-	-	-	-	-	-	-	-	-	83,258	271	662	
17840132	LK	22	-	-	-	-	-	-	-	-	-	-	-	-	
17840134	UF	26	-	-	-	-	-	-	-	-	-	1,209,425	3,962	9,614	
17850120	UK, LF	22-25	-	-	-	-	-	-	-	-	-	1,625,557	5,298	12,922	
17850130	UF	31	-	-	-	-	-	-	-	-	-	1,214,827	3,959	9,657	
												Total	7,678,714	25,045	61,040
Beverly Hill Coal Co. 17860127(a)	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bowman, W. C. 17703032	LK/Rider	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Brown, Inc., E. M. 17743020	LK	40	-	-	-	-	-	-	-	-	-	-	-	-	-
17773008	UK	24	-	-	-	-	-	-	-	-	-	-	-	-	-
17773022	Clarion	30	-	-	-	-	-	-	-	-	-	10,420	238	-	
17803023	Clarion, LK	30	-	-	-	-	-	-	-	-	-	-	-	-	-
17813024	LMK	22-24	-	-	-	-	-	-	-	-	-	18,540	232	-	
17820146	MUK	15-30	-	-	-	-	-	-	-	-	-	-	-	-	-
17820175	Clarion, LK	30-48	-	-	-	-	-	-	-	-	-	35,080	396	-	
17840152	LK	38	-	-	-	-	-	-	-	-	-	248,849	3,959	-	
17840904	LK	24	-	-	-	-	-	-	-	-	-	27,830	325	-	
17850137/17840139	Clarion/ Brookville	30	-	-	-	-	-	-	-	-	-	-	-	-	-
												Total	340,719	5,150	-

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CLEARFIELD 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	Gas- eous			Non- Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate		Dynamite
				Length	Degrees											
Bumburger & Sone, H. 17820113	LK	18	-	-	-	-	-	-	-	-	-	-	7,720	-	-	
Carlin Contracting, Inc., J. C. 17840136	Brookville, Clarion, ULF	20	-	-	-	-	-	-	-	-	-	-	584,680	2,310	3,596	
Cambria Coal Co. 17753059	ULF	23-29	-	-	-	-	-	-	-	-	-	-	491,958	1,252	2,528	
17803062	MK, ULF	17-27	-	-	-	-	-	-	-	-	-	-	74,424	308	-	
17824040	UF	22	-	-	-	-	-	-	-	-	-	-	965,337	11,303	7,726	
17840154	MK	16	-	-	-	-	-	-	-	-	-	-	-	-	-	
17803062-BAM 40160	ULF	23-29	-	-	-	-	-	-	-	-	-	-	-	-	-	
													Total	1,461,719	12,863	10,254
Cambria Mills Coal Co., Inc. 17743033	ULF, UK	32	-	-	-	-	-	-	-	-	-	-	6,221	84	35	
17803034	ULF, LK	32	-	-	-	-	-	-	-	-	-	-	56,215	758	313	
17840157	ULF, ULK	32	-	-	-	-	-	-	-	-	-	-	687,094	9,265	3,827	
Auger-BAM 40165 (1780304)	UF	24	-	-	-	-	-	-	-	-	-	-	-	-	-	
													Total	749,530	10,107	4,175
Carlin, Inc., R. S. 17793140	UK, MK	12-24	-	-	-	-	-	-	-	-	-	-	1,418,593	5,991	7,453	
Central Pa. Coal Co., Inc. 17753159	Moshannon	23	-	-	-	-	-	-	-	-	-	-	66,008	3,112	25,092	
17803161	ULF	23	-	-	-	-	-	-	-	-	-	-	1,896,477	62,363	86,911	
17860122	ULF	23	-	-	-	-	-	-	-	-	-	-	78,385	3,696	29,797	
													Total	2,040,870	69,171	141,800
Cowfer Contracting Co., Inc., James I. 17820152	Bituminous	28	-	-	-	-	-	-	-	-	-	-	-	-	-	
3266BSM76 and 441BSM19	Bituminous	28	-	-	-	-	-	-	-	-	-	-	125,150	559	6,050	
													Total	125,150	559	6,050

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 Lamps Used			Pounds of Explosives Used		
			Shaft Depth	Slope		Drift Drift	Gas- eous	Non- Gas- eous	Flame Open	Elec- Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
				Length	Degrees									
Deer Run Coal Co. 17840118	LF	44	-	-	-	-	-	-	-	-	-	-	-	-
Dressler, W. Ruskin 17850123	MK	33	-	-	-	-	-	-	-	-	57,310	234	358	
EJH Contracting Co., Inc. 17860116	MK	25	-	-	-	-	-	-	-	-	217,694	7,214	-	
Eastern Energy Corp. 17830102	MUK	24	-	-	-	-	-	-	-	-	19,338	184	281	
Edmunds Contracting and Supply Co., Inc. 17813156	UF	30	-	-	-	-	-	-	-	-	1,147,780	-	27,845	
17840138	LUF	30	-	-	-	-	-	-	-	-	618,035	-	14,993	
										Total	1,765,815	-	42,838	
Empire Coal 17743187	LMK, Clarion	18-23-45	-	-	-	-	-	-	-	-	1,551,338	5,056	12,332	
Fahr Coal Corp. 17870118	UF, Mahoning	21-48	-	-	-	-	-	-	-	-	107,344	594	-	
Flango Bros. Coal, Inc. 17820108	LK	24	-	-	-	-	-	-	-	-	28,187	995,213	73,300	
Forcey Coal, Inc. 17820165	UF	30	-	-	-	-	-	-	-	-	-	-	-	
17860901	LF	70	-	-	-	-	-	-	-	-	-	-	-	
17870127	UF	37	-	-	-	-	-	-	-	-	-	-	-	
Glendale Contracting Co., Inc. 17860130	UF	27	-	-	-	-	-	-	-	-	460,428	3,454	5,327	
17870109	UF	21	-	-	-	-	-	-	-	-	-	-	-	
										Total	460,428	3,454	5,327	
Graham Brothers Lumber Co. 17820149	Clarion	16-24	-	-	-	-	-	-	-	-	75,625	922	1,697	
Greenbriar Associates 17783113	MK	28	-	-	-	-	-	-	-	-	39,760	-	-	

CLEARFIELD 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- eous			Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate		Dynamite
				Length	Degrees											
Hamilton Bros. Coal, Inc. 17860125	UF	18	-	-	-	-	-	-	-	-	-	-	389,520	2,386	-	
Hamilton Contracting Co., Al																
17803167	ULF	24-30	-	-	-	-	-	-	-	-	-	-	22,416	118	80	
17803176	MLK	10-30	-	-	-	-	-	-	-	-	-	-	-	-	-	
17810104	MLK	12-20	-	-	-	-	-	-	-	-	-	-	145,734	3,368	8,940	
17813055	MLK	12-20	-	-	-	-	-	-	-	-	-	-	332,442	7,229	6,881	
17820106	MLK	20-40	-	-	-	-	-	-	-	-	-	-	184,814	2,703	2,183	
17820122	UMK	15-30	-	-	-	-	-	-	-	-	-	-	163,224	853	536	
17840131	LF, UMK, Strumps	8-28-30	-	-	-	-	-	-	-	-	-	-	614,049	8,025	5,603	
17840158	LF, UK	24-36	-	-	-	-	-	-	-	-	-	-	215,683	1,198	812	
17850104	UMK	12-30	-	-	-	-	-	-	-	-	-	-	488,617	3,360	2,446	
17870112	UK	24	-	-	-	-	-	-	-	-	-	-	35,350	466	369	
17870117	UK	24	-	-	-	-	-	-	-	-	-	-	102,768	1,380	1,025	
4475SM17	UL Clarion	15-20	-	-	-	-	-	-	-	-	-	-	24,090	329	235	
Auger-17803167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-17803176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-17820122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
													Total	2,329,187	29,029	29,110
Hanslovan Coal Co., Inc., Ed.																
17870101	MK	30	-	-	-	-	-	-	-	-	-	-	849,920	18,792	-	
17870116	UMLK	17-24-36	-	-	-	-	-	-	-	-	-	-	636,128	65,990	-	
													Total	1,486,048	84,782	-
Hepburnia Coal Co.																
17820139	ULF	24	-	-	-	-	-	-	-	-	-	-	132,935	37,701	1,048	
17820172	UK, LF	26-32	-	-	-	-	-	-	-	-	-	-	204,970	12,845	1,566	
17830120	ULF	24-26	-	-	-	-	-	-	-	-	-	-	134,530	4,422	1,771	
17830136	LF	24	-	-	-	-	-	-	-	-	-	-	660,625	7,492	3,505	
17840107	LUF	24	-	-	-	-	-	-	-	-	-	-	126,292	5,658	735	
17850103	LF, UK	18-20	-	-	-	-	-	-	-	-	-	-	189,145	9,327	1,410	

CLEARFIELD 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	Open			Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
				Length	Degrees										
Hepburnia Coal Co. (Continued)															
17850106	MK	26	-	-	-	-	-	-	-	-	-	9,200	560	51	
17850133	LUF	24	-	-	-	-	-	-	-	-	-	32,575	849	185	
												Total	1,490,272	78,854	10,271
K & J Coal Co., Inc.															
17803026	UF/Mahoning	9-20-24	-	-	-	-	-	-	-	-	-	104,770	5,209	1,174	
17820176	UF	25	-	-	-	-	-	-	-	-	-	576,641	48,632	6,947	
17830111	UF	9-20	-	-	-	-	-	-	-	-	-	520,615	25,886	5,831	
												Total	1,202,026	79,727	13,952
Kasubick Bros. Coal Co.															
17820129	LK	-	-	-	-	-	-	-	-	-	-	8,800	520	-	
King Coal Sales, Inc.															
17810134	Kittanning	24	-	-	-	-	-	-	-	-	-	161,780	764	-	
17850127	Kittanning	14	-	-	-	-	-	-	-	-	-	473,968	4,060	-	
												Total	635,748	4,824	-
Kitko, Francis B.															
17703110	Freeport	48	-	-	-	-	-	-	-	-	-	-	-	-	
Lansberry Coal & Excavating Co.															
17840137	LK	48	-	-	-	-	-	-	-	-	-	-	-	-	
Linn Corp.															
17860115	ULF	30-52	-	-	-	-	-	-	-	-	-	-	-	-	
17870129	UK	24	-	-	-	-	-	-	-	-	-	(a)	(a)	(a)	
L. T. Contracting, Inc.															
17714023	ULF	26	-	-	-	-	-	-	-	-	-	368,258	10,905	-	
17850118	Clarion, LK	26-48	-	-	-	-	-	-	-	-	-	62,157	4,118	-	
												Total	430,415	15,023	-
M. B. Energy, Inc.															
17840109	UK, LF	24-30	-	-	-	-	-	-	-	-	-	1,121,410	4,936	8,913	
17850114	ULF	30-32	-	-	-	-	-	-	-	-	-	461,855	2,225	2,958	
17860119	UK, ULF	24-36	-	-	-	-	-	-	-	-	-	348,155	2,152	3,622	
												Total	1,931,420	9,313	15,493

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 Lamps Used			Pounds of Explosives Used				
			Shaft	Slope		Drift	Gas	Non- Gas	Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)			
				Depth	Length									Degrees	Drift	Open
M & M Construction Co. Inc.																
1779128	UF	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17870114	LF	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
McDonald Land & Mining Co., Inc.																
17840126	Mahoning, ULF	12-24-33	-	-	-	-	-	-	-	-	-	80,300	2,539	-	-	-
17840150	LF, UK	10-25	-	-	-	-	-	-	-	-	-	351,850	5,122	-	-	-
17850148	LUF	28-32	-	-	-	-	-	-	-	-	-	1,221,230	14,791	-	-	-
17860121	LUF	26-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17860128	LUF, UK	12-30-26	-	-	-	-	-	-	-	-	-	660,355	6,797	-	-	-
17870121	LUF	26-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
												Total	2,313,735	29,249	-	-
McGovern Coal Co., Clair																
17663136	LK	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17840133	MK	22	-	-	-	-	-	-	-	-	-	19,710	-	-	-	-
17860142	LF	22	-	-	-	-	-	-	-	-	-	59,840	-	-	-	-
												Total	79,550	-	-	-
Midway Excavating																
17820135	Moshannon	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Moshannon Falls Mining Co., Inc.																
17850144	UF	12	-	-	-	-	-	-	-	-	-	230,180	-	2,655	-	-
Mustang Coal and Contracting Corp.																
17823174	LK	38	-	-	-	-	-	-	-	-	-	591,796	4,257	5,402	-	-
17860114	LK	38	-	-	-	-	-	-	-	-	-	185,478	3,237	5,540	-	-
												Total	777,274	7,494	10,942	-
Northern Counties Coal Co., Inc.																
17743172	LMUK	18-24-48	-	-	-	-	-	-	-	-	-	727,690	4,981	5,154	-	-
17830110	LK	26	-	-	-	-	-	-	-	-	-	115,725	534	464	-	-
17860111	Clarion, Mercer	19-28	-	-	-	-	-	-	-	-	-	131,695	5,195	3,906	-	-
17860120	MUK, LF, Rider	18-24-36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
												Total	1,017,060	32,612	5,474	-
												1,992,170	43,322	14,998	-	-

CLEARFIELD 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 Length	Drift Degrees	Drift			Gas- eous	Gas- eous	Open	Flame Safety	Elec- tric		Ammonium Nitrate	Dynamite	
P & N Coal Co. Inc.																	
17743003	UK, LUF	28-36	-	-	-	-	-	-	-	-	-	-	-	1,081,370	12,742	954	
17793010	UK, LUF	28-36	-	-	-	-	-	-	-	-	-	-	-	6,350	276	5,175	
														Total	1,087,720	13,018	6,129
Penn-Grampian Coal Co.																	
17840120	ULF	24-26	-	-	-	-	-	-	-	-	-	-	-	243,310	5,583	-	
17870104	UK, LUF	28-36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
														Total	243,310	5,583	-
Power Operating Co., Inc.																	
17673057	UMLK	18-36	-	-	-	-	-	-	-	-	-	-	-	12,535	2,281,550	-	
17820114	MK	8-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17850102	UMK, LF	18-72	-	-	-	-	-	-	-	-	-	-	-	5,470	492,704	-	
17860144	UK, LF	18-48	-	-	-	-	-	-	-	-	-	-	-	1,297	102,788	-	
														Total	19,302	2,877,042	-
Reese Coal Inc., Philip																	
17814033	ULMK	22-32-34	-	-	-	-	-	-	-	-	-	-	-	144,800	2,180	-	
River Hill Coal Co., Inc.																	
17663047	UMK, LUF	24-28-36	-	-	-	-	-	-	-	-	-	-	-	93,519	51	-	
Roy Coal Co.																	
17743165	UMK	15-30	-	-	-	-	-	-	-	-	-	-	-	15,200	300	-	
Ryan Brothers Coal Co.																	
17800146	LUF	24-26	-	-	-	-	-	-	-	-	-	-	-	(a)	(a)	(a)	
17840104	Kittanning, ULF	16-30	-	-	-	-	-	-	-	-	-	-	-	(a)	(a)	(a)	
S. R. P. Coal Co., Inc.																	
17820141	ULF	30	-	-	-	-	-	-	-	-	-	-	-	216,482	2,699	-	
17860101	MK	25	-	-	-	-	-	-	-	-	-	-	-	2,046	-	-	
17860104	UK	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
														Total	218,528	2,699	-

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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 Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)	
			Shaft	Slope		Drift	Gas- eous	Non- Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate		Dynamite
				Length	Degrees									
Sky Haven Coal, Inc.														
17683148	MUK	22	-	-	-	-	-	-	-	-	-	136,642	2,736	-
17683149	LMK	32	-	-	-	-	-	-	-	-	-	118,676	967	-
17753116	UK, LF	28	-	-	-	-	-	-	-	-	-	263,735	2,643	-
17783017	MK	24	-	-	-	-	-	-	-	-	-	211,102	644	-
17793088	MUK	25	-	-	-	-	-	-	-	-	-	193,642	2,083	-
17803094	UK, LUF	50	-	-	-	-	-	-	-	-	-	384,763	5,933	-
17813084	MUK	24	-	-	-	-	-	-	-	-	-	324,119	5,026	-
17813091	LK	28	-	-	-	-	-	-	-	-	-	129,461	1,932	-
17813093	UK	28	-	-	-	-	-	-	-	-	-	209,612	4,211	-
17813098	UF	22	-	-	-	-	-	-	-	-	-	4,086	-	-
17820104	UMK	22	-	-	-	-	-	-	-	-	-	146,944	1,022	-
17820131	MUK	24	-	-	-	-	-	-	-	-	-	89,868	2,061	-
17820148	UK	24	-	-	-	-	-	-	-	-	-	163,921	1,046	-
17820164	LMK	26	-	-	-	-	-	-	-	-	-	131,003	1,076	-
17820182	LF	30	-	-	-	-	-	-	-	-	-	183,975	4,014	-
17820183	LF	38	-	-	-	-	-	-	-	-	-	41,677	306	-
17830116	LF	84	-	-	-	-	-	-	-	-	-	297,663	5,115	-
17830135	UK	18	-	-	-	-	-	-	-	-	-	-	-	-
17840125	UF, Mahoning	34	-	-	-	-	-	-	-	-	-	121,613	4,512	-
17840130	UF	19	-	-	-	-	-	-	-	-	-	54,752	922	-
17850142	UF	28	-	-	-	-	-	-	-	-	-	-	-	-
17850143	UK	22	-	-	-	-	-	-	-	-	-	144,093	1,099	-
17860108	MK	30	-	-	-	-	-	-	-	-	-	12,444	112	-
17870111	UF	36	-	-	-	-	-	-	-	-	-	-	-	-
Total											3,363,791	47,460	-	
Shaffer Mining Corp.														
17813052	UF	26	-	-	-	-	-	-	-	-	-	4,640	110	-

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 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									
Stott Coal Co., Inc., James M.														
17743172	Kittanning	20	-	-	-	-	-	-	-	-	(a)	(a)	(a)	
17753180	LK	30	-	-	-	-	-	-	-	-	(a)	(a)	(a)	
17773181	Kittanning	16	-	-	-	-	-	-	-	-	(a)	(a)	(a)	
17803173	UF	24	-	-	-	-	-	-	-	-	96,000	1,000	-	
											Total	96,000	1,000	-
Strishock Coal Co.														
17793123	MK, LF	24	-	-	-	-	-	-	-	-	51,110	228	318	
Swisher Contracting, Inc.														
17860138	Coal	22	-	-	-	-	-	-	-	-	201,880	5,027	43,840	
17870131	Coal	30	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 40176	Coal	22	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 40177	Coal	30	-	-	-	-	-	-	-	-	-	-	-	
											Total	201,880	5,027	43,840
Swistock Assoc. Coal Corp.														
17820145	LK	30	-	-	-	-	-	-	-	-	426,423	1,098	1,450	
17870110	MK, Rider	17-20	-	-	-	-	-	-	-	-	112,455	608	810	
											Total	538,878	1,706	2,260
T. & T. Clay Co.														
17870107	Clay Rider, Freeport	18	-	-	-	-	-	-	-	-	-	-	-	
Thomas Coal Co., Inc.														
17783076	UK	20	-	-	-	-	-	-	-	-	112,912	4,197	-	
17803072	LMUK	24-36	-	-	-	-	-	-	-	-	4,200	122	-	
17820127	UMLK	24-36	-	-	-	-	-	-	-	-	400,560	5,987	-	
17820177 Refuse	LMK, LUF	12-32	-	-	-	-	-	-	-	-	721,422	9,375	-	
17860133	LF, UK	24-30	-	-	-	-	-	-	-	-	91,700	1,675	-	
17870119	LK	27-28	-	-	-	-	-	-	-	-	10,034	463	-	
17870123	UF	18	-	-	-	-	-	-	-	-	25,970	352	-	
											Total	1,366,798	22,171	-

CLEARFIELD 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	Slope		Drift	Gas- eous			Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
				Depth	Length												Degrees
Turner Coal Co., W. R.																	
17774017	MLK	24-36	-	-	-	-	-	-	-	-	-	-	(a)	(a)	(a)		
17793031	Clay Rider	16	-	-	-	-	-	-	-	-	-	-	7,200	65	-		
													Total	7,200	65	-	-
Waroquier Coal Co.																	
17850125	LF	23	-	-	-	-	-	-	-	-	-	-	430,975	10,874	-		
1780149	LF	22	-	-	-	-	-	-	-	-	-	-	-	-	-		
1782110	ULF	24-28	-	-	-	-	-	-	-	-	-	-	-	-	-		
17850139	ULF	24-28	-	-	-	-	-	-	-	-	-	-	-	-	-		
17850140	UF	26	-	-	-	-	-	-	-	-	-	-	58,579	510	-		
17880106	ULF	30	-	-	-	-	-	-	-	-	-	-	-	-	-		
Auger-17850140	UF	26	-	-	-	-	-	-	-	-	-	-	-	-	-		
													Total	489,554	11,384	-	-
Welker, J. E.																	
17840116	Freeport	30	-	-	-	-	-	-	-	-	-	-	17,500	200	-		
17840135	Clarion	14	-	-	-	-	-	-	-	-	-	-	-	-	-		
													Total	17,500	200	-	-
													COUNTY TOTAL	47,899,276	4,569,112	546,016	-

Note:

- @ Blasting by contractor
- 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

CLINTON 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	Open			Flame	Elec- tric	Ammonium Nitrate	Dynamite		
				Length	Degrees										
Avery Coal Co., Inc. 18773001	Mercer	36	-	-	-	-	-	-	-	-	-	73,605	913	-	
Antrim Mining, Inc. 18820102	Clarion	60	-	-	-	-	-	-	-	-	-	838,580	73,570	-	
Con-Coal, Inc. 18860101	Brookville	30	-	-	-	-	-	-	-	-	-	308,000	6,800	950	
Confer Coal Co. 18793005	Brookville	30	-	-	-	-	-	-	-	-	-	348,680	7,200	1,050	
Hanslovan Coal Co., Inc., Ed. 18870101	U. Kittanning	30	-	-	-	-	-	-	-	-	-	-	-	-	
River Hill Coal Co., Inc. 18850101	Middle & Upper Kittanning	18-32	-	-	-	-	-	-	-	-	-	90,777	52	-	
COUNTY TOTAL											1,659,642	88,535	2,000		

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 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									
Bauer Equipment Sales 24830101	LF	32	-	-	-	-	-	-	-	-	-	-	-	
Doan Mining Co. 24880101	ULF/UK	22-28	-	-	-	-	-	-	-	-	16,000	76	-	
24880103	LK	27	-	-	-	-	-	-	-	-	-	-	-	
										Total	16,000	76	-	
Fairview Coal Co. 24820110	LK	30-36	-	-	-	-	-	-	-	-	-	-	-	
24840103	LMUK, LUF	30-36	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 5153	MLK	24-32	-	-	-	-	-	-	-	-	-	-	-	
Hepburnia Coal Co. 24763006	UF	30	-	-	-	-	-	-	-	-	99,625	4,129	835*	
24820109	UK, LF	26-40	-	-	-	-	-	-	-	-	11,100	1,469	90*	
										Total	110,725	5,598	925	
Mottern Coal, Inc., Floyd 24870105	Bituminous	24	-	-	-	-	-	-	-	-	-	-	-	
P & N Coal Co., Inc. 24840105/24870102	LF, UK	20-32	-	-	-	-	-	-	-	-	524,150	2,314	2,534*	
Strishock Coal Co. 24820107	MK	28	-	-	-	-	-	-	-	-	286,470	993	1,706*	
Tamburlin Bros. Coal Co., Inc. 24870906	LK	28	-	-	-	-	-	-	-	-	9,700	171	-	
4670BSM4	UF	40	-	-	-	-	-	-	-	-	13,700	50	210	
										Total	23,400	221	210	

ELK 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	Flame			Elec- tric	Ammonium Nitrate	Dynamite			
				Length	Degrees										
Vollmer, Lawrence B. 24673003	LUK	28-30	-	-	-	-	-	-	-	-	-	-	-	-	-
COUNTY TOTAL											960,745	9,202	5,375		

Note:

* 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