

ALLEGHENY COUNTY

Operators and Mines/ or Mine Drainage 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 :				
Aloe Coal Co. 02813012/02803001	Pittsburgh	60	-	-	-	-	-	-	-	-	-	2,782,150	5,665	159,435	
Bologna Mining Co. 02783003	Pittsburgh	48	-	-	-	-	-	-	-	-	-	71,240	820	8,815	
02813002	Pittsburgh	48	-	-	-	-	-	-	-	-	-	66,315	760	8,205	
												TOTAL	137,555	1,580	17,020
Chambers Development Co., Inc. 0280103	Pittsburgh	40	-	-	-	-	-	-	-	-	-	-	-	-	
Coal Utilities Corp. 11783009	(a)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kisow William J. 02840103	Pittsburgh	60	-	-	-	-	-	-	-	-	-	-	-	-	
Lutz Land 02830101	Pittsburgh	60	-	-	-	-	-	-	-	-	-	-	-	-	
Mazzarini, Louis 02813007	Pittsburgh	68	-	-	-	-	-	-	-	-	-	-	-	-	
Mineral Technology, Inc. 02860201	Freeport	-	-	-	-	-	-	-	-	-	-	-	-	-	
Xecol Corp. 02823014	Bituminous	54	-	-	-	-	-	-	-	-	-	-	-	-	
												COUNTY TOTAL	2,919,705	7,245	176,455

Note: (a) No annual received from operator - information unavailable

ARMSTRONG COUNTY

Operators and Mines/ or Mine Drainage 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 :				
Allegheny Mineral Corp. 03840105	Clarion/L.K.	28-40	-	-	-	-	-	-	-	-	-	589,182	4,799	11,145	
B&G Construction Co., Inc. 03840104	Freeport	42	-	-	-	-	-	-	-	-	-	-	-	-	
Bartley, Carl & Jewel 03783014	M.K.	20	-	-	-	-	-	-	-	-	-	3,700	106	-	
Carpentertown Coal & Coke Co. 03823082	U.F.	34	-	-	-	-	-	-	-	-	-	-	-	-	
Cloe Mining Co., Inc. 03840113	U.K./M.K.	22-24	-	-	-	-	-	-	-	-	-	24,172	667	583¢	
Coal Bucket Mining Co. 03813017	L.F.	30	-	-	-	-	-	-	-	-	-	1,450	650	60¢	
Creel Bros. 03813018	U.F.	26	-	-	-	-	-	-	-	-	-	-	-	-	
D.J.W. Mining, Inc. 03793022	U.F.	24	-	-	-	-	-	-	-	-	-	-	-	-	
Darmac Coal, Inc. 03850106	U.F.	35	-	-	-	-	-	-	-	-	-	340,925	4,002	-	
03903059T	U.F.	34	-	-	-	-	-	-	-	-	-	310,994	3,555	-	
Auger-BAM3243 and 3238	U.F.	35	-	-	-	-	-	-	-	-	-	-	-	-	
												TOTAL	651,919	7,557	-
Daybrook Coal Co. 03850101	L.U.F.	28	-	-	-	-	-	-	-	-	-	21,100	131	-	
Auger-BAM3244	L.F.	26	-	-	-	-	-	-	-	-	-	-	-	-	
												TOTAL	21,100	131	-
Doverspike Bros. Coal Co. 03830104	U.K.	20	-	-	-	-	-	-	-	-	-	108,820	691	679¢	
03840108	L.M.K.	24-28	-	-	-	-	-	-	-	-	-	62,290	529	575¢	
03830114	U.K.	18	-	-	-	-	-	-	-	-	-	296,680	1,541	2,019¢	
												TOTAL	467,790	2,761	3,273

ARMSTRONG COUNTY (Cont.)

Operators and Mines/ or Mine Drainage 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			
R.E.M. Coal Co., Inc. 03763005	U.F.	48	-	-	-	-	-	-	-	-	-	1,367,460	15,730	-
R.&H. Surface Mining 03823076	U.L.F.	20-48	-	-	-	-	-	-	-	-	-	3,000	-	-
ROB Coal Co., Inc. 33850104	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03575SM8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siegel, Thomas E. 03793042	Lo. Clarion	30	-	-	-	-	-	-	-	-	-	745,990	3,143	-
Snyder, C.H. 03803044	U.F.	40	-	-	-	-	-	-	-	-	-	1,750,766	9,061	9,931
State Industries, Inc. 03830118	L.F.M.L.K.	24-6-26	-	-	-	-	-	-	-	-	-	-	-	-
Turner Enterprises, Bill 03830108	U.M.K.	30-36	-	-	-	-	-	-	-	-	-	315,045	5,773	-
COUNTY TOTAL											9,034,498	69,844	1,224,682	

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

BEAVER COUNTY

Operators and Mines/ or Mine Drainage 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 :			
Amerikohl Mining, Inc. 4850102	U.F.	50	-	-	-	-	-	-	-	-	-	59,143	306	2,160
Bear Hollow Mining Co. 04823002-C	M.K.	42	-	-	-	-	-	-	-	-	-	40,000	-	300*
Kerry Coal Co. 04823005	L.F.	20	-	-	-	-	-	-	-	-	-	138,200	1,514	35,670
04823006	L.K.	24	-	-	-	-	-	-	-	-	-	71,100	855	21,045
									TOTAL			209,300	2,369	56,715
Wright Inc., Grant R. 04840101	L.M.K.	18-30	-	-	-	-	-	-	-	-	-	-	-	-
									COUNTY TOTAL			308,443	2,675	59,175

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

BEDFORD COUNTY

Operators and Mines/ or Mine Drainage 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:	Gas-:	Gas-:	Open:	Safety:	tric :				
Dash Coal Co., Inc.															
05753004	Big Pittsburgh	36	-	-	-	-	-	-	-	-	-	416,280	3,343	19,255*	
05773002	Big Pittsburgh	36	-	-	-	-	-	-	-	-	-	301,200	3,117	-	
05803009	Fulton/Barnett	36	-	-	-	-	-	-	-	-	-	213,375	3,876	14,505*	
												TOTAL	930,855	10,336	33,760
KGR Mining, Inc.															
05743006/4274SM9	Kelly/Barnett	36	-	-	-	-	-	-	-	-	-	130,075	-	21,751	
Krieger Coal, Inc.															
05743001	Kelly	48	-	-	-	-	-	-	-	-	-	-	-	-	
L & B Coal Co.															
05743005	Upper Freeport	40	-	-	-	-	-	-	-	-	-	792,745	3,050	-	
												COUNTY TOTAL	1,853,675	13,386	55,511

Note: * Apex

BLAIR COUNTY

Operators and Mines/ or Mine Drainage 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	Dynamite				
			Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	tric :	Nitrate	Dynamite		
Ace Drilling Coal Co., Inc./ Swistock Assoc. Coal Corp. 6576SM4	Brookville	42	-	-	-	-	-	-	-	-	-	18,394	373	116	
Cooney Bros. Coal Co. 07850103 11813015	Brookville Lo. Kittanning	36 30	-	-	-	-	-	-	-	-	-	35,000 70,000	3,000 7,500	- -	
												TOTAL	105,000	10,500	-
Swistock Assoc. Coal Corp. 07813001 & 07830101	Lower & Middle Kittanning	28-48	-	-	-	-	-	-	-	-	-	288,174	5,846	3,597	
												COUNTY TOTAL	411,568	16,719	3,713

BUTLER COUNTY

Operators and Mines/ or Mine Drainage 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-:	:Elec-:	Ammonium Nitrate		Dynamite		
			:Depth:	Length:	Degrees:	Drift:	Gas:	Gas:	Flame:	Safety:	tric :				
Amerikohl Mining, Inc.															
10820134	L.F.	30	-	-	-	-	-	-	-	-	-	72,540	585	10,170	
10830118	U.F.	24	-	-	-	-	-	-	-	-	-	523,697	2,621	2,040	
10840104	U.F.	34	-	-	-	-	-	-	-	-	-	48,630	181	360	
10840107	U.F.	24	-	-	-	-	-	-	-	-	-	663,472	3,944	26,019	
10840108	U.F.	48	-	-	-	-	-	-	-	-	-	231,318	1,655	1,890	
												TOTAL	1,539,657	8,986	40,479
Big B Mining Co., Inc.															
10830102	M.K.	22	-	-	-	-	-	-	-	-	-	114,725	581	544*	
Black Fox Mining & Development Corp.															
10800114	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
10820131	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
30708901	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bracken Construction Co.															
10810120	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	
Darmac Coal, Inc.															
10820141	U.F.	48	-	-	-	-	-	-	-	-	-	638,660	6,401	-	
10840122	U.F.	36	-	-	-	-	-	-	-	-	-	291,138	2,924	-	
Auger-BAM5119 and 5120	U.F.	48	-	-	-	-	-	-	-	-	-	-	-	-	
												TOTAL	929,798	9,325	-
Glacial Minerals, Inc.															
10813016	Clarion	22-25	-	-	-	-	-	-	-	-	-	619,700	2,558	30,885	
10823006	Kittanning	22	-	-	-	-	-	-	-	-	-	550,100	2,182	51,420	
10830106	Clarion	16-25	-	-	-	-	-	-	-	-	-	772,000	3,648	64,690	
10850112	Kittanning	28	-	-	-	-	-	-	-	-	-	-	-	-	
												TOTAL	1,941,800	8,388	146,995
H & D Coal Co.															
10783018	Brookville	30	-	-	-	-	-	-	-	-	-	-	-	-	
10830101	Brookville	30	-	-	-	-	-	-	-	-	-	-	-	-	
10830112	Brookville	30	-	-	-	-	-	-	-	-	-	1,371,075	364,660	11,098	
10840120	Brookville	30	-	-	-	-	-	-	-	-	-	1,402,955	204,475	7,371	

BUTLER COUNTY (Cont.)

Operators and Mines/ or Mine Drainage Permit No.	Name of Non- Coal, 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:	Elec- tric :		
H & D Coal Co. (Cont.)													
10850104	Brookville	28	-	-	-	-	-	-	-	-	-	-	
10850111	M.K.	24	-	-	-	-	-	-	-	-	-	-	
10860101	U.K.	20	-	-	-	-	-	-	-	-	-	-	
									TOTAL				
										2,744,030	569,135	18,469	
Houser Coal Co., Inc., Walter L.													
10800113	U.F.	36	-	-	-	-	-	-	-	-	293,647	1,274	-
Kerry Coal Co.													
10803005	L.F.	30	-	-	-	-	-	-	-	-	5,000	100	6,750
Lucas Coal Co., Inc.													
10810105	Unknown	-	-	-	-	-	-	-	-	-	-	-	-
Malinski Mining Co., Inc.													
10813007	M.K.	36	-	-	-	-	-	-	-	-	117,960	1,088	-
10850103	M.K.	30	-	-	-	-	-	-	-	-	355,440	3,826	-
									TOTAL				
										473,400	4,914	-	
Miller & McKnight Coal Co., Inc.													
10840113	M.K.	34	-	-	-	-	-	-	-	-	482,600	21,200	-
Pengrove Coal Co.													
61820105	Unknown	-	-	-	-	-	-	-	-	-	-	-	-
Perry Bros. Coal Co.													
43820102	Clarion/ Brookville	18-34	-	-	-	-	-	-	-	-	2,035,210	20,487	-
Romanko Bros. Enterprises													
10820124	Unknown	-	-	-	-	-	-	-	-	-	-	-	-
Ros Wel Coal Co., Inc.													
10850108	U.F.	28	-	-	-	-	-	-	-	-	270,000	2,620	-
State Industries, Inc.													
10830114	Unknown	-	-	-	-	-	-	-	-	-	-	-	-
Sunbeam Coal Corp.													
10840612	Unknown	-	-	-	-	-	-	-	-	-	-	-	-
10830109	Unknown	-	-	-	-	-	-	-	-	-	-	-	-

BUTLER COUNTY (Cont.)

Operators and Mines/ or Mine Drainage 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-:	:	Ammonium	Dynamite		
			:Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	Elec-:	Nitrate		
Tiche Limestone Construction Co. 2866BSM66	M.K.	20	-	-	-	-	-	-	-	-	-	-	-	-
Western Hickory Coal 10803018	M.K.	32	-	-	-	-	-	-	-	-	-	2,023,740	6,864	100,482
Wright, Inc., Grant R. 10830115	M.K.	30	-	-	-	-	-	-	-	-	-	-	-	-
COUNTY TOTAL												12,883,607	653,874	313,719

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

CAMBRIA COUNTY

Operators and Mines/ or Mine Drainage 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 :			
Becker Paul F.														
11803001	U.F.	42	-	-	-	-	-	-	-	-	-	-		
11823016	U.K.	72	-	-	-	-	-	-	-	-	-	-		
Auger-BAM @			-	-	-	-	-	-	-	-	-	-		
Bender Coal Co., E.P.														
11793025	L.K./Brookville/Mercer	30-32	-	-	-	-	-	-	-	-	2,521,865	62,601		
11823013	U.F.	36	-	-	-	-	-	-	-	-	42,235	2,114		
11823029	U.K.	20	-	-	-	-	-	-	-	-	131,850	1,105		
11830104	U.K.	30	-	-	-	-	-	-	-	-	-	-		
11830106	M.U.K./L.F.	16-30-42	-	-	-	-	-	-	-	-	172,440	3,718		
11840102	M.L.K.	12-30	-	-	-	-	-	-	-	-	173,510	3,089		
11840105	U.F.	32	-	-	-	-	-	-	-	-	173,510	3,085		
11850104	U.L.F.	32-48	-	-	-	-	-	-	-	-	80,205	1,593		
11850111	U.K.	36	-	-	-	-	-	-	-	-	94,290	1,180		
11860102	U.F.	30	-	-	-	-	-	-	-	-	80,655	945		
Auger-BAM2001-178	U.F.	36	-	-	-	-	-	-	-	-	-	-		
											TOTAL	3,470,560	79,430	-
Cambria Coal Co.														
11753028	U.L.F.	25-26	-	-	-	-	-	-	-	-	1,687,168	4,566	5,982	
11783035	M.U.K.	17-25	-	-	-	-	-	-	-	-	3,022,139	8,222	10,628	
11823002	U.F.	36	-	-	-	-	-	-	-	-	2,800	40	41	
11823006	M.U.K./U.F.	18-22	-	-	-	-	-	-	-	-	2,645,625	8,073	10,938	
11823020	U.L.F.	26-27	-	-	-	-	-	-	-	-	595,272	2,903	2,972	
Auger-BAM 2001-206	U.L.F.	25-26	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM 2001-231	L.F.	27	-	-	-	-	-	-	-	-	-	-	-	
											TOTAL	7,953,004	23,804	30,561
Cooney Bros. Coal Co.														
11673041	U.F.	42	-	-	-	-	-	-	-	-	25,000	550	-	
11693042	L.F.	40	-	-	-	-	-	-	-	-	125,000	3,000	-	
11773037	U.L.F.	40	-	-	-	-	-	-	-	-	150,000	3,000	-	
11803024	Brookville	24	-	-	-	-	-	-	-	-	20,000	800	-	
11803038	Brookville	32	-	-	-	-	-	-	-	-	400,000	20,000	-	
11813039	Brookville	30	-	-	-	-	-	-	-	-	750,000	29,000	-	
11813040	Brookville	42	-	-	-	-	-	-	-	-	145,000	4,000	-	
11823003	L.F.	40	-	-	-	-	-	-	-	-	-	-	-	
											TOTAL	1,615,000	60,350	-

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CAMBRIA COUNTY (Cont.)

Operators and Mines/ or Mine Drainage 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 Nitrate	Dynamite			
Minor Contracting 11840104	L.F.	26	-	-	-	-	-	-	-	-	-	122,014	1,033	-	
Ratay Coal, Inc. 11813005	U.L.F.	36-40	-	-	-	-	-	-	-	-	-	96,880	825	-	
Swistock Assoc. Coal Corp. 11823023	Clarion	32	-	-	-	-	-	-	-	-	-	221,258	2,291	-	
Wesott, Inc. 11773017	L.M.K.	12-48	-	-	-	-	-	-	-	-	-	484,260	12,040	-	
11840103	L.M.K.	12-48	-	-	-	-	-	-	-	-	-	-	-	-	
Auger-BAM2001-189	L.K.	48	-	-	-	-	-	-	-	-	-	-	-	-	
												TOTAL	484,260	12,040	-
ZEV Energy, Inc. 11813045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
												COUNTY TOTAL	22,741,089	337,481	645,715

Note: @ Subcontractor

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
U.F. - Lower Freeport

CENTRE COUNTY

Operators and Mines/ or Mine Drainage 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 Nitrate	
AME Enterprises, Inc. 14813001	U.L.K.	8-10-24	-	-	-	-	-	-	-	-	598,579	3,023	-
Avery Coal Co., Inc. 14803008	Clarion/L.K.	54-16	-	-	-	-	-	-	-	-	2,210,401	21,928	-
Carlin, Inc., R.S. 14663010	Brookville	24	-	-	-	-	-	-	-	-	21,300	311	-
14733009	Brookville	15	-	-	-	-	-	-	-	-	744,920	6,763	-
										TOTAL	766,220	7,074	-
Chew's Contracting Co., Inc. 14840103	Clarion	14	-	-	-	-	-	-	-	-	-	-	-
Hamilton Contracting Co., Al 14840101	L.K.	8-24	-	-	-	-	-	-	-	-	40,175	419	348
Johnson & Morgan 14820102	L.K.	24	-	-	-	-	-	-	-	-	1,013,076	3,443	-
14840102	U.M.-L.K.	12-24	-	-	-	-	-	-	-	-	708,274	5,144	-
										TOTAL	1,721,350	8,587	-
Lobb Mining Co. 14743007	Clarion	70	-	-	-	-	-	-	-	-	22,229	221,908	-
Power Operating Co., Inc. 14663003	U.M.-L.K./Cl.	24-48	-	-	-	-	-	-	-	-	1,014,941	4,300	-
14663004	U.M.K.	18-30	-	-	-	-	-	-	-	-	4,250,160	11,719	-
14663005	U.K./M.K.	18-30	-	-	-	-	-	-	-	-	4,023,336	11,876	-
										TOTAL	9,288,437	27,895	-
Stott Coal Co., James M. 31678SM2	Clarion	24	-	-	-	-	-	-	-	-	-	-	-
										COUNTY TOTAL	14,647,391	290,834	348

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

CLARION COUNTY

Operators and Mines/ or Mine Drainage 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- tric :				
Ancient Sun, Inc.														
16810101	U. Clarion	20	-	-	-	-	-	-	-	-	54,170	1,895	-	
16813027	U.F.	48	-	-	-	-	-	-	-	-	11,960	255	-	
16830111	U.K.	26	-	-	-	-	-	-	-	-	5,885	497	-	
16850102	M.K.	36	-	-	-	-	-	-	-	-	81,390	1,193	-	
16850108	M.K.	36	-	-	-	-	-	-	-	-	-	-	-	
											TOTAL	153,405	3,840	-
C&K Coal Co.														
16703006	M.L.K.	20-25	-	-	-	-	-	-	-	-	722,210	2,555 ^e	4,049*	
16713004	L.K.	26	-	-	-	-	-	-	-	-	-	-	-	
16753010	Clarion	-	-	-	-	-	-	-	-	-	-	-	-	
16793013	L.K.	20	-	-	-	-	-	-	-	-	-	-	-	
16793038	-	-	-	-	-	-	-	-	-	-	-	-	-	
16810135	M.L.K.	19-34	-	-	-	-	-	-	-	-	782,271	1,990 ^e	4,973*	
16813024	L.F.	51	-	-	-	-	-	-	-	-	16,650	182 ^e	285*	
16820111	M.U.K.	22-27	-	-	-	-	-	-	-	-	37,174	195 ^e	362*	
16830114	L.M.K./U.F.	28-37-42	-	-	-	-	-	-	-	-	6,320,194	12,111 ^e	15,881*	
16840101	L.K.	30	-	-	-	-	-	-	-	-	-	-	-	
16840102	M.K.	24	-	-	-	-	-	-	-	-	154,010	1,820 ^e	2,760*	
16850106	Clarion	-	-	-	-	-	-	-	-	-	-	-	-	
16850110	M.L.K.	28-33	-	-	-	-	-	-	-	-	7,532,452	13,472 ^e	18,253*	
											TOTAL	15,564,961	32,325	46,563
Colt Resources, Inc.														
16793028	M.K.	26	-	-	-	-	-	-	-	-	-	536,415	-	
16810105	M.K.	26	-	-	-	-	-	-	-	-	-	53,528	-	
16820119	Up. Lo. Clarion	20-25	-	-	-	-	-	-	-	-	-	202,477	-	
1683013	L.K.	21	-	-	-	-	-	-	-	-	-	-	-	
3677SM10	U.M.K.	16-27	-	-	-	-	-	-	-	-	-	499,708	-	
											TOTAL	1,292,128	-	
Doverspike Bros. Coal Co.														
16800132	L.&W. Clarion	24-40	-	-	-	-	-	-	-	-	244,885	2,840	2,844	
16850118	M.K.	32	-	-	-	-	-	-	-	-	344,670	4,098	3,744	
											TOTAL	589,555	6,938	6,588

CLARION COUNTY (Cont.)

Operators and Mines/ or Mine Drainage 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 :			
Glacial Minerals, Inc.														
16800126	Kittanning	30	-	-	-	-	-	-	-	-	-	-	-	-
16820703	Tipple Refuse	-	-	-	-	-	-	-	-	-	-	-	-	-
16830120	Clarion	48	-	-	-	-	-	-	-	-	-	828,200	5,526	177,268
1683302	Prep. Plant	-	-	-	-	-	-	-	-	-	-	-	-	-
16850101	Kittanning	40	-	-	-	-	-	-	-	-	-	1,356,900	7,054	110,605
												TOTAL		
												2,185,100	12,580	287,873
McKay Coal Co., Inc.														
16773009	M.K.	24	-	-	-	-	-	-	-	-	-	1,505,425	15,431	-
Miles Coal Co., Clyde														
16803024	M.U.K.	20-22	-	-	-	-	-	-	-	-	-	-	-	-
R.E.M. Coal Co., Inc.														
16753059	Clarion/L.K.	38-34	-	-	-	-	-	-	-	-	-	1,158,205	11,304	-
16820107	L.M.K.	22-30	-	-	-	-	-	-	-	-	-	39,920	817	-
												TOTAL		
												1,198,125	12,121	-
Reddinger, Terry														
16763035	M.U.K.	40	-	-	-	-	-	-	-	-	-	13,630	1,281	-
16793005	M.U.K.	40	-	-	-	-	-	-	-	-	-	1,315,210	12,387	-
												TOTAL		
												1,328,840	13,668	-
Reichard Contracting, Inc.														
16840106	M.K.	24	-	-	-	-	-	-	-	-	-	204,915	2,650	-
Reichards Paving & Excavating, Gene														
16830116	U.M.K.	24-38-60	-	-	-	-	-	-	-	-	-	202,105	3,158	-
Shannon Coal Co.														
16743038	M.L.K.	20-35	-	-	-	-	-	-	-	-	-	5,897,558	14,960	17,381
16753056	M.K.	22	-	-	-	-	-	-	-	-	-	260,065	1,332	2,115
16773021	L.M.K.	14-22	-	-	-	-	-	-	-	-	-	557,373	3,512	5,658
16793006	L.U.Clarion/ L.K.	24-25-33	-	-	-	-	-	-	-	-	-	555,575	3,602	6,091
												TOTAL		
												7,270,571	23,406	31,245

CLARION COUNTY (Cont.)

Operators and Mines/ or Mine Drainage 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	Nitrate			
			Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	tric :				
Terry Coal Sales, Inc.															
16813009	M.U.K.	40	-	-	-	-	-	-	-	-	-	179,115	2,147	-	
16820120	M.U.K./L.F.	40-70	-	-	-	-	-	-	-	-	-	3,887,975	46,320	-	
16840109	M.U.K./L.U.F.	70	-	-	-	-	-	-	-	-	-	2,582,360	29,127	-	
16850115	M.U.K./L.U.F.	70-100	-	-	-	-	-	-	-	-	-	147,305	1,799	-	
16850116	U.K./L.U.F.	90	-	-	-	-	-	-	-	-	-	619,845	7,513	-	
												TOTAL	7,416,600	86,906	-
												COUNTY TOTAL	37,619,602	1,505,151	372,269

Note: * Caps
@ Primers

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