

**TABLE 21
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS
CLEARFIELD COUNTY**

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift Drift	Gaseous	Non- Gaseous	Total Explosives (Pounds Used)
			Shaft	Slope					
			Depth	Length	Degrees				
Andray Mining Co.									
17793018									
Bender Coal Co., Inc., E.P.									
17880123	MLK	28-30						696,576	
17940101	Mahoning/UF	18						130,026	
17940109	ULF	24-30						1,033,021	
17940113	ULF	24-28						516,871	
17960110	LF	24						89,992	
17960111	UF	18						598,256	
							TOTAL	3,064,742	
Beth Contracting, Inc.									
17860140									
17910129	Freeport	30						330,042	
Black Oak Development, Inc.									
1773075	UMK/UF	5-20-26						18,816	
Brown, Inc., E.M.									
17950117	ULF	28							
Chestnut Ridge Coal Co.									
17930104	UK	18						16,203	
Cougar Contracting, Inc.									
17870122	UF	17							
17960108	LF	24							
17960112	UF	17							
							TOTAL		
Ecklund Coal Co., Inc.									
17910131	UK/LF	28-30						361,886	
17970103	LK	30							
							TOTAL	361,886	

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CLEARFIELD COUNTY (Continued)**

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			Shaft Depth	Slope					
				Length	Degrees				
Enercorp, Inc. (b)									
17663136	LK	48						409,529	
17930125	MK	20						32,020	
							TOTAL	441,549	
Evans, Larry W.									
17840141	UF	18							
Falls Creek Energy, Inc.									
1790011									
Forcey Coal, Inc.									
17920114	UK	30						454,105	
17960102	LK	24							
							TOTAL	454,105	
Hainsey Construction Co.									
17960102	LMUK	18-20						60,108	
Hamilton Contracting Co., AI									
17663037	ULF	20						1,654,641	
17773070	UK/ULF	16-28						82,395	
17753159	LF								
17814000	UK	20							
17820108	ULK	16-18-20							
17840131	LUK	18						78,725	
17890115	LK	18						1,620,150	
17910117	UF	16-18						126,053	
17930117	LF/MK	20-28						748,720	
17930124	UMK	22						7,675	
17930129	ULF	18-26						89,926	
17940104	LF	22						250,966	
17940116	ULF	24						542,078	
							TOTAL	5,201,329	

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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			Drift Drift	Gaseous	Non- Gaseous	Total Explosives (Pounds Used)
			Shaft Depth	Slope					
				Length	Degrees				
Hamilton Bros. Coal, Inc.									
17880122	LK	52						104,460	
17910122	UF	24						46,400	
17930116	ULF	24						185,550	
Auger-BAM 40305	LK	52							
Auger-BAM 40311	UF	24							
							TOTAL	336,410	
Hanslovan Coal Co., Inc. Ed									
17940124	UK	20							
Hepburnia Coal Co.									
17840107	ULF	24-36							
17860123	LUF	24						842,005	
17890120	UF	30						51,054	
17900104									
17930112	LUF	32-48						66,660	
17950105	LF	36						355,157	
							TOTAL	1,314,876	
Johnson Bros. Coal Co.									
17860133	LF/UK	28-30							
17960118	UK	24							
17960123	MK	24							
							TOTAL		
Junior Coal Contracting, Inc.									
17820151	LF/UMK	12-18-32						192,636	
17920119	LK	26-28						414,604	
17930103									
							TOTAL	607,240	

**TABLE 21
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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			Drift Drift	Gaseous	Non- Gaseous	Total Explosives (Pounds Used)
			Shaft Depth	Slope					
				Length	Degrees				
K & J Coal Co., Inc.									
17850110	Mahoning/LF	25-72						1,243,368	
17930115	ULF	8-72						803,706	
17950110	ULF/UK	18-30						479,184	
Auger-BAM 40281	LF	21							
							TOTAL	2,526,258	
Kasubick Bros. Coal Co.									
17820129	LK	19						28,750	
King Coal Sales, Inc.									
17880109	UMK	22-26						745,631	
17950109	Freeport	28-36							
							TOTAL	745,631	
Kitko, Fred									
17910127	Mahoning	20							
Larson Enterprises, Inc.									
17820181	MUK	4-14						135,645	
17930110	MUK	4-14						426,757	
17950115	LK/Rider	12-28						457,737	
							TOTAL	1,020,139	
M. B. Energy, Inc.									
17840132	UK	22							
17850120	LK/LF	23-26						197,988	
17940110	LF/Rider	22-24						1,609,106	
17950115	Mahoning/LF/UK	10-28-36						3,584,802	
A									
							TOTAL	5,391,896	
McGovern Coal Co., Clair									
17860142	LF	22							

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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			Drift Drift	Gaseous	Non- Gaseous	Total Explosives (Pounds Used)
			Shaft Depth	Slope					
				Length	Degrees				
Moravian Run Reclamation Co., Inc.									
17910113	UF	22						212,636	
17950119	ULF	20						1,226,386	
							TOTAL	1,439,022	
Mottern Coal, Inc., Floyd									
17930109	Bituminous	36							
Northern Counties Coal Co., Inc.									
17910138	UF/Mahoning	24						157,394	
P & N Coal Co., Inc.									
17793010									
Power Operating Co., Inc.									
17673057	Clarion/ULF/UMLK							5,609,292	
R. B. Contracting									
17960109	LF	26							
Reese Coal Co., Inc., Philip									
17814033	UMLK	18-34						103,410	
River Hill Coal Co., Inc.									
17663047									
17753050									
17803045									
17910114									
17960105									
							TOTAL		
Roy Coal Co.									
17743165	MUK	15-30						1,552	
Sky Haven Coal, Inc.									
17683148	MK	24							
17743172	UK/LF	30						735,012	
17803094	UK/LUF	40						598,442	

**TABLE 21
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS
CLEARFIELD COUNTY (Continued)**

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift Drift	Gaseous	Non- Gaseous	Total Explosives (Pounds Used)
			Shaft	Slope					
			Depth	Length	Degrees				
Sky Haven Coal, Inc. (Continued)									
17813084	UK/LF	24						302,641	
17813093	UK/LF	28						11,849	
17820182	UK/LUF	30						93,682	
17823190	UF	24						95,172	
17850143	MUK	24						200,402	
178501501									
17860101	UK/LUF	36						95,172	
17860104	UK/LF	30						164,603	
17870129	UK/LUF	45						369,722	
17901601									
17910109	LUF	30						367,499	
17910112	MUK	24						163,514	
17910121	MUK/LUF	26						77,772	
17910130	UF	24							
17920121	UF	28						163,110	
17920122	LUF	28						92,523	
17930102	MUK	24						20,543	
17930118	UF	30							
17940114	LUF	34						248,528	
17960104	UF	24						86,959	
17960113	MUK	24						1,074,238	
							TOTAL	4,961,383	
Southwest Reclamation, Inc.									
17900105	ULF	22-38						136,176	
Strishock Coal Co.									
17793123	LUK/ULF	24						189,166	
17860135	LUK/ULF	24						763,087	
							TOTAL	952,253	

**TABLE 21
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS
CLEARFIELD COUNTY (Continued)**

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift Drift	Gaseous	Non- Gaseous	Total Explosives (Pounds Used)
			Shaft Depth	Slope Length	Slope Degrees				
Thunder Coal Co.									
17960117	UK	14							
U.S. Operating Service Co.									
17-93-01 refuse									
Waroquier Coal Co.									
17840138	ULF	24-28							
17860134	ULF	24-28						22,066	
17880106	ULF	24-28						73,045	
17880116	ULF	24-28							
17880126	ULF	24-28						353,252	
17910101	ULF	24-28						22,066	
17920108	ULF	24-28							
17930114	ULF	24-28							
17930122	ULF	24-28							
17940122	ULF	24-28						277,840	
17960115	ULF	24-28							
							TOTAL	748,269	
Whitetail Mining & Reclamation Co., Inc.									
17900116	UK	20						20,422	
							COUNTY TOTAL	36,049,153	

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

**TABLE 21
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS
CLEARFIELD COUNTY ADDENDUM**

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift Drift	Gaseous	Non- Gaseous	Total Explosives (Pounds Used)
			Shaft	Slope					
			Depth	Length	Degrees				
Baumgardner Coal Co., Inc.									
17940120	MK	6-14-20						257,797	
River Hill Coal Co., Inc.									
17753050	LF/UMK/Rider	1-2-3						2,021,089	
17803045	UMK/LF	1-2						200,129	
17820160	ULF/LK	1-2						1,961,495	
17910114	UMK	1-2						1,846,518	
17960105	LF	2							
							TOTAL	6,029,231	
Sky Haven Coal, Inc.									
17820131	MUK	24						314,108	
17950111	MK	30						175,301	
17950112	UK/LF	28						69,878	
							TOTAL	559,287	
							ADDENDUM TOTAL	6,846,315	

Note: Symbols for Geological Name of Coal Bed:

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- LF - Lower Freeport

**TABLE 21
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS
ELK COUNTY**

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift Drift	Gaseous	Non- Gaseous	Total Explosives (Pounds Used)
			Shaft Depth	Slope					
				Length	Degrees				
Energy Resources, Inc.									
24890101	LF	24						1,149,753	
24900102	LF/UMK	26						1,175,206	
24900103	LUF/UMK	27						1,567,746	
							TOTAL	3,892,705	
Fairview Coal Co.									
24950102	Brookville	26							
Tamburin Bros. Coal Co., Inc.									
24673003	LF/MK	24-28						15,220	
24870101	LF/UMK	24-28						79,424	
24920101	UF/UMK	24-28							
							TOTAL	94,644	
							COUNTY TOTAL	3,987,349	

Note: Symbols for Geological Name of Coal Bed:

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- LK - Lower Kittanning
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- MF - Middle Freeport
- LF - Lower Freeport

**TABLE 21
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS
FAYETTE COUNTY**

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift Drift	Gaseous	Non- Gaseous	Total Explosives (Pounds Used)
			Shaft Depth	Slope					
				Length	Degrees				
Amerikohl Mining, Inc. 26970102	UF	31						184,820	
Ashton Coal Co. 26830105	Redstone	30							
Black Rock Exploration Co., Inc. 26920101									
Bridgeview Coal Co. 26950102	UK	48						571,400	
Carbon Fuel Resources, Inc. 26830201 refuse									
Carriage Mining, Inc. 26870202 refuse									
Chess Coal Co. 26000109									
26960101							TOTAL		
Christopher Resources, Inc. 26850112	Pittsburgh/Redstone	30-108						204,028	
Durant Excavating 26870107	Sewickley	50						43,978	
26890103	Redstone	24							
							TOTAL	43,978	
Genovese Coal Co., Theodore 26910107	Pittsburgh	102						4,300	
Herring, Harry Lee & Rolland 26920106	Redstone/Pitts	30-86							
26940104	Redstone	26							
							TOTAL		

**TABLE 21
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS
FAYETTE COUNTY (Continued)**

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift Drift	Gaseous	Non- Gaseous	Total Explosives (Pounds Used)
			Shaft Depth	Slope					
				Length	Degrees				
Hill Coal Co., T. L. 26783002	Redstone	40						38,536	
J & B Coal Co. 26940101	Redstone	26						5,105	
Patterson Coal Co. 26920110	Pittsburgh	96							
26930103	Redstone	30							
26960101	Redstone	24							
26970101	Pittsburgh	96							
							TOTAL		
Purco Coal, Inc. 26703078	Miller B	42						179,246	
Sperko, Robert 26900110	Redstone	30							
Stash Mining Co. 26910108	Redstone/Pitts.	30-96						105,500	
Swenglish Sons Coal Co., Inc. 26773025	Pittsburgh	96							
Twilight Industries, Div. Of U.S. Natural Resources, Inc. 26920105	Washington	74							
Vansickle Coal 102898									
Wise Mining Co. 26820129	Ryder/Pittsburgh	24							
26900104	Redstone	24							
							TOTAL		

**TABLE 21
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS
FAYETTE COUNTY (Continued)**

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift	Gaseous	Non- Gaseous	Total Explosives (Pounds Used)
			Shaft	Slope					
			Depth	Length	Degrees	Drift			
WV H & H Enterprises, Inc.									
26920101	Pittsburgh	96						4,992	
							COUNTY TOTAL	1,341,905	

Note: Symbols for Geological Name of Coal Bed:

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MK - Middle Kittanning
LK - Lower Kittanning

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LF - Lower Freeport

**TABLE 21
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS
GREENE COUNTY**

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift Drift	Gaseous	Non- Gaseous	Total Explosives (Pounds Used)
			Shaft	Slope					
			Depth	Length	Degrees				
Ashton Coal Co.									
30940101	Redstone	30							
Chess Coal Co.									
30773006	Sewickley	36-48						42,733	
CT & LT Enterprises, Inc.									
30813020	Waynesburg	60						96,371	
30960101	Waynesburg	56							
							TOTAL	96,371	
Taylorstown Mining, Inc.									
30950101	Waynesburg	48-54							
30960102	Sewickley	48						65,743	
							COUNTY TOTAL	204,847	