

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
ALLEGHENY 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				
ACV Power Corporation									
02930201									
02940201									
02960901									
Amerikohl Mining, Inc.									
02773005	Pittsburgh	70						204,380	
Gioia Coal Co., Gary									
02950101	Redstone/Pitts	24-72							
Kisow, William J.									
02880102	Pittsburgh	60							
Robinson Coal Co.									
02773005	Pittsburgh	90							
02960101	Pittsburgh	90							
02970101	Pittsburgh	90							
<b>COUNTY TOTAL</b>								<b>204,380</b>	

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
ARMSTRONG 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					
Allegheny Mineral Corp. 03840105								975,787	
Amerikohl Mining, Inc. 03960105	UF/UK	48						1,255,187	
B&B Coal Mining, Inc. 03930105 03940102									
Canterbury Coal Co. 03900112 03940111	UF UF	60 60						211,093 205,216	
							<b>TOTAL</b>	<b>416,309</b>	
Dutch Run Coal, Inc. 03960108	Freeport/Mahoning	18-36						129,685	
FNR Mining Co. 03950101	Mahoning/UF	36							
Auger-BAM 3483									
Houser, Earl O. 03863009	UK/ULF	20-48						76,452	
Houser Coal Co., Inc. Walter L. 03910113 03940114 03950109	ULF LF UF	25-32 32 25						137,365 181,446 75,236	
							<b>TOTAL</b>	<b>394,047</b>	
Marquise Mining Corp. 03970103									
McKay Coal Co., Inc. 03880110	UF	36						82,678	

**TABLE 21**  
**OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS**  
**ARMSTRONG 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				
Mears Enterprises, Inc.									
03890110	UF	48						100,550	
03930108	MK	30						129,916	
Auger-BAM 3478	MK	30							
Auger-BAM 3487	MK	30							
Auger-BAM 3494	UF	48							
Auger-BAM 3495	MK	30							
							<b>TOTAL</b>	<b>230,466</b>	
Reichard Contracting, Inc.									
03663009 (a)									
03960106	UF	50							
Rosebud Mining Co.									
03880701 refuse	UF	42							
03890116	LF	40						327,739	
03950107	UF	28						773,731	
							<b>TOTAL</b>	<b>1,101,470</b>	
Seven Sisters Mining Co.									
03860401	LK	18							
03940103	UF	42							
03970102	UF	38							
Smith, Inc., Thomas J.									
03940113	UK	60						135,868	
03950108	UK/UF/Mahoning	19-36						406,250	
03950114	UK/UF	19-36							
03960104	LUF	22-36						209,484	
03970101	UF	44						265,689	
Auger-BAM 3470 & 3486	UF	36							
Auger-BAM 3479	UF	44							

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
ARMSTRONG 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				
Smith, Inc., Thomas J. (Continued)									
Auger-BAM 3491	LUF	22-36							
Auger-BAM 3501	UK	19							
							<b>TOTAL</b>	<b>1,017,291</b>	
Snyder Co., C.H.									
03783046	UK	28						235,176	
State Industries, Inc.									
03840106	LUF	36-39						1,308,213	
Auger-BAM 3424	UMK	24							
							<b>TOTAL</b>	<b>1,308,213</b>	
Stitt Coal Co., Inc.									
03910108	UF	44						105,111	
Stony Creek Coal Co., Inc.									
03940109	UF	32							
T. C. Mining									
03920105	LF	28						27,762	
03960101	UK	30							
TDK Coal Sales, Inc.									
03950106	UF	26						228,533	
03960103	UF	36						95,486	
							<b>TOTAL</b>	<b>324,019</b>	
							<b>COUNTY TOTAL</b>	<b>7,679,653</b>	

Note: 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  
BEAVER 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				
Darlington Brick & Clay Products Co.									
04723003	LMK								
Kerry Coal Co.									
04890101	Kittanning	25							
04940102	Freeport	28							
04950101	LMK	24							
04960101	Kittanning	25							
04970101	ULF	25							
							<b>COUNTY TOTAL</b>		

234

Note: 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  
BLAIR 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				
Conney Bros Coal Co.									
07850103	Clarion/LMK	26						9,500	
07890101	Clarion/LMK	26						24,000	
11813015	Clarion/LMK	26						5,000	
							<b>TOTAL</b>	<b>38,500</b>	
							<b>COUNTY TOTAL</b>	<b>38,500</b>	

Note: 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  
BUTLER 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				
Amerikohl Mining Co.									
10920107	MK	28						281,464	
10930122	Brookville	28						122,261	
							<b>TOTAL</b>	<b>403,725</b>	
Atwell, Neil									
10950106	UF	40						361,124	
BMB Management, Inc.									
10940101									
							<b>COUNTY TOTAL</b>	<b>764,849</b>	

236

Note: 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  
CAMBRIA 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				
Becker Coal Co., Paul F.									
11960109	LF/UK	48-60							
Bender Coal Co., Inc.									
17724026	LF	30						159,914	
11790101	UF	28							
11940102	ULF/UMLK	21-36-60						2,596,690	
11960105	ULF	24-30						177,292	
Auger-BAM 2001-444	LF	30							
Auger-BAM 2001-446	UK	21							
Auger-BAM 2001-453	LF	30							
							<b>TOTAL</b>	<b>2,933,896</b>	
Cloe Mining Co., Inc.									
11900106	LF	42						76,701	
11960101	UMK	20-32						102,667	
17960106	UK	18							
Auger-BAM 2001-443									
							<b>TOTAL</b>	<b>179,368</b>	
Cooney Bros. Coal Co.									
11673041	UF	48						28,000	
11693042	LF	42							
11773037	LUF	36						35,000	
11803038	Brookville	28						10,000	
11813039	Brookville	24						65,000	
11813040	Brookville/Clarion	28						30,000	
11823003	LUF	42						33,000	
11850102 (a)									
11860104	Brookville/Clarion UK/LF	42						30,000	



**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
CAMBRIA 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				
Cooney Bros. Coal Co. (Continued)									
11860107 (a)									
11900101	UK	36						8,000	
11900105	UK/LF	42							
							<b>TOTAL</b>	<b>239,000</b>	
Dunamis Resources, Inc.									
11960102	ULF	31-37						110,454	
Auger-BAM 2001-450	UF	31							
Auger-BAM 2001-451	UF	37							
Auger-BAM 2001-458	LF	37							
Auger-BAM 2001-461	UK	34							
							<b>TOTAL</b>	<b>110,454</b>	
K & J Coal Co., Inc.									
11693000	UK	40						85,159	
11920104	ULF	21						2,059,411	
11960103	UK	57						315,673	
Auger-BAM 2001-452	LF	21							
							<b>TOTAL</b>	<b>2,460,243</b>	
L & J Energy Co.									
11960104 (a)									
M. B. Energy, Inc.									
11823004	LUF	35-37							
11940103 (a)									
11960106 (a)									
RJC Kohl, Inc.									
11950103 (a)									
RNS Services, Inc.									
11890701 refuse									

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
CAMBRIA 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.									
11940106	UF	28						156,204	
							<b>COUNTY TOTAL</b>	<b>6,079,165</b>	

Note: 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  
CAMBRIA COUNTY ADDENDUM**

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			
Bender Coal Co., E.P.									
11793025	Brookville/Mercer/LK	30-36-48						314,941	
11930102	LMK/Clarion	22-30-36						765,057	
							<b>TOTAL</b>	<b>1,079,998</b>	
Ebensburg Power Co.									
1180201	LK								
Laurel Land Development, Inc.									
11950102	MLK	36-60						583,786	
L & J Energy Co, Inc.									
11960104	MUK/LF	26-32-48						102,149	
RJC Kohl, Inc.									
11950103	LF	40-48						447,277	
Smith Energy, Inc.									
11960201									
T. J. Mining, Inc.									
11920103	LF	36						219,253	
11960107	UF	60							
							<b>TOTAL</b>	<b>219,253</b>	
							<b>COUNTY TOTAL ADDENDUM</b>	<b>2,432,463</b>	

Note: 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  
CENTRE 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				
Bern Coal, Inc. 14960101	UK/Rider	12-18						69,561	
Power Operating Co., Inc. 14663004	UMK/LF	24-32-54							
14940101	MULK/LF	24-32-54-72						2,761,363	
							<b>TOTAL</b>	<b>2,761,363</b>	
							<b>COUNTY TOTAL</b>	<b>2,830,924</b>	

Note: 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  
CLARION 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				
Ancient Sun, Inc.									
16940105	Clarion	36						3,946	
C & K Coal Co.									
16703006	MLK	21-25						6,655,415	
16753010									
16890102	Clarion								
							<b>TOTAL</b>	<b>6,655,415</b>	
Doverspike Bros. Coal Co.									
16950108	LF/UK	11-22						1,050,534	
16960107	MK	32						23,275	
							<b>TOTAL</b>	<b>1,073,809</b>	
Dunamis Resources, Inc.									
16830107	LF	48							
Fyes Dozen Service									
16950101	MK	18						4,807	
MAF Coal & Excavating, Inc.									
16900109	MK	18							
MSM Construction Co., Inc.									
16960106	UF	72							
Milestone Crushed, Inc.									
16803004	LK	32							
16960109	Upper Clarion/Lower Clarion	8-36						298,546	
Rosebud Mining Co.									
16950109	UE	32						340,009	
TDK Coal Sales, Inc.									
16910104	UF	31						697,648	
							<b>COUNTY TOTAL</b>	<b>9,074,180</b>	

Note: Symbols for Geological Name of Coal Bed:

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