

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
INDIANA 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.									
32870101	UK	27						11,681	
Beilchick Bros.									
32663056	UF	28							
32830113	LF	38							
							<b>TOTAL</b>		
Black Mack Leasing Co., Inc.									
32950104	Pittsburgh	84						456,621	
Black Oak Development, Inc.									
32900103									
D. J. & W. Mining, Inc.									
32960104	LF	25							
Doverspike Bros. Coal Co.									
32950106	UF	40						2,250	
Dunamis Resources, Inc.									
32950109	UF	60							
Fossil Fuel, Inc.									
32970101	UK/ULF	22-24-36						51,520	
GLR Mining, Inc.									
32910105	LUF	22-40						84,573	
32940102	LF	38						84,347	
							<b>TOTAL</b>	<b>168,920</b>	
Kent Coal Mining Co.									
32920102	UF/UK	42-45						143,162	
32940105	UF	42						605,584	
							<b>TOTAL</b>	<b>748,746</b>	

**TABLE 21**  
**OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS**  
**INDIANA 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				
KMP Associates									
32940109	Pittsburgh	80						252,300	
32950105	Pittsburgh	76						23,163	
							<b>TOTAL</b>	<b>275,463</b>	
Kraynak Coal Co.									
32940101/32960103	LF	28						47,366	
M. B. Energy, Inc.									
32950101	LF	26						69,637	
32950107	UK/LF	21-33						340,550	
32960105	LF	39							
							<b>TOTAL</b>	<b>410,187</b>	
Mears Enterprises, Inc.									
32803048	LF	28						17,457	
32900106	UK/UF	20-36						30,421	
32970901	LF	30							
Auger-BAM 441	LF	28							
							<b>TOTAL</b>	<b>47,878</b>	
P & N Coal Co., Inc.									
32930104	UK/LF	21-24						214,135	
33930105	ULF/UK	18-24-46						601,299	
							<b>TOTAL</b>	<b>815,434</b>	
Pitt Mining Co.									
32920101	Pittsburgh	80						815,588	
32940107	Pittsburgh	80						1,566,707	
							<b>TOTAL</b>	<b>2,382,295</b>	
Simpson Coal Co.									
32950901	Pittsburgh	96							

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
INDIANA 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				
TLH Coal Co.									
32930107	ULF	40-42						607,646	
Urey Coal Co.									
32880107	LF/UK	18-46						8,107	
Weaver, Larry & Warren									
32940106	UK/LF	22-24						76,375	
Yenzi, John, Jr.									
32960102	UF	50						28,065	
							<b>COUNTY TOTAL</b>	<b>6,138,554</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  
JEFFERSON 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					
Deemer, Fred A., Jr.									
33890115	LF	36							
33940107	UK	16-24						9,720	
							<b>TOTAL</b>	<b>9,720</b>	
Falls Creek Energy Co., Inc.									
17900111	Mahoning	50						27,100	
33930111	UF	38						297,860	
							<b>TOTAL</b>	<b>324,960</b>	
Hanslovan Coal Co., Inc., Ed									
33940106	LUF/UK	28-32							
Hepburnia Coal Co.									
33900105	ULF/ULK	34						233,679	
33920102	LF/UK	28-30						50,655	
33950103	LK	24						330,052	
							<b>TOTAL</b>	<b>614,386</b>	
McKay Coal Co., Inc.									
33900118	LK	20						109,660	
33930110									
							<b>TOTAL</b>	<b>109,660</b>	
MSM Coal Co., Inc.									
33940104	UF	63							
33940109	LF	28						47,961	
							<b>TOTAL</b>	<b>47,961</b>	
Original Fuels, Inc.									
33813000									
33830116	MLK	24-28						21,417	
33910107	LK	24-28						421,658	

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
JEFFERSON 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				
Original Fuels, Inc. (Continued)									
33940101	MLK	24-28						203,852	
33950109	LK	24-28						235,021	
							<b>TOTAL</b>	<b>881,948</b>	
P & N Coal Co., Inc.									
33733009-Auger									
R & L Coal Corp.									
33950107	LK	16							
Rosio Coal Co.									
33820149	UK	26						7,022	
Starr Coal Co.									
33850123	UF	30						243,754	
Strishock Coal Co.									
33920101	MLK	24						71,225	
33920103	MK	24						240,047	
							<b>TOTAL</b>	<b>311,272</b>	
Swisher Contracting, Inc.									
33950105	LUF	24-36						80,486	
Yenzi, John R., Jr.									
33930112	LF	60						23,996	
Yenzi Co., Leonard									
33930107	Bituminous	18							
33940105	Bituminous	18							
							<b>TOTAL</b>		
							<b>COUNTY TOTAL</b>	<b>2,655,165</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

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
LYCOMING 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				
Fisher Mining Co.									
41920101		36						2,388,147	
41940101		36						78,756	
							<b>TOTAL</b>	<b>2,466,903</b>	
							<b>COUNTY TOTAL</b>	<b>2,466,903</b>	

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
SOMERSET 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				
Action Mining, Inc.									
56663069	Sewickley/Waynes- burg/Pittsburgh	18-24-108						1,208,118	
56940105	Pittsburgh/Redstone	48-108							
56950101	UK	72						53,788	
							<b>TOTAL</b>	<b>1,261,906</b>	
Badger Coal Co., Inc.									
56703107	LF	30							
Cooney Bros. Coal Co.									
56743138	Clarion/LK/MK	36						208,000	
56880101	UK/LUF	40						75,000	
56900105	UK/LF	30						35,000	
56920106									
56930102									
56950111									
							<b>TOTAL</b>	<b>318,000</b>	
Croner, Inc.									
56663094	Blue Lick Rider/Redstone/Sewickley	12-14-48							
56823008	ULK	32-48						76,922	
56823033	Sewickley/Redstone/ Blue Lick	12-34-48						376,139	
56823123	Redstone/Blue Lick/Pitts	14-44-48						1,062	
56860101	Redstone/Blue Lick/Pitts	14-44-48						74,198	
56860105	Redstone/Blue Lick Rider/Blue Lick	14-32-44						141,811	
56890101	Redstone/Blue Lick Rider/Blue Lick/Pitts	14-32-44- 48						181,475	
							<b>TOTAL</b>	<b>851,607</b>	

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
SOMERSET 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	Length	Slope Degrees				
Diamond T Coal Co.									
56693103	LMUK/LUF	30-42-54-72							
56703124	LF	42							
Dunamis Resources, Inc.									
56950102	UF	36						150,728	
56960106	UF/JMK	32-36-42						1,690,522	
							<b>TOTAL</b>	<b>1,841,250</b>	
Duppstadt Coal									
56890111	Sewickley/Blue Lick/Pitts	18-48-96						20,766	
Fieg Bros. Coal Co.									
56890106									
56900113									
56930101									
56930114									
56940106									
56941103									
Fritz Coal, Inc.									
56960101	MUK	15-32						58,125	
Future Industries, Inc.									
56880103	Mercer/Quakertown	24-36						649,215	
56900112	Mercer/Quakertown	18-36						286,970	
56920101	Quakertown	36							
56930104	Blue Lick/Pitts/Morgantown	36-48						234,699	
56930112	UF	30						330,701	
56940101	Pitts/Morgantown	36-48						46,995	
							<b>TOTAL</b>	<b>1,548,580</b>	



**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
SOMERSET 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				
Godin Bros., Inc.									
56960107	MLK	36-42						212,470	
Hardrock Coal Co.									
56900110	UF	17						32,064	
56910104	Pittsburgh								
56950110	Pittsburgh								
							<b>TOTAL</b>	<b>32,064</b>	
Heritage Mining Co.									
56920109									
56950103									
Hilltop Mining, Inc.									
56830114	Lo. Bakerstown	26						19,893	
Hoffman Mining, Inc.									
56960102	ULF/UK	30-42						1,614,585	
Jenners, Inc.									
56753119	MLUK	36-42-48						42,075	
Laura D. Coal, Inc.									
56960111	UK	34						95,590	
L.K. Mining, Inc.									
Auger-BAM 56960105	LF	30						22,206	
Marquise Mining Corp.									
56950104	UMK/ULF	30						620,828	
56960103	UK/LF	30						248,333	
							<b>TOTAL</b>	<b>869,161</b>	
Mountaineer Mining Corp.									
56930109	Little Pittsburgh	30							

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
SOMERSET 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				
PBS Coals, Inc.									
56870103	UF	40							
56890115	Redstone/Blue Lick/Blue Lick Rider	18-36-48						4,252,708	
56960110	Redstone/Blue Lick/Blue Lick Rider/Pittsburgh	18-36-48- 50						1,229,324	
							<b>TOTAL</b>	<b>5,482,032</b>	
Rox Coal, Inc.									
56851303	MULK	25-66-50						235,593	
Sanner Energies, Inc.									
56813005	ULF	30						167,760	
56820105	Lo. Bakerstown/ Up. Bakerstown	24-36							
							<b>TOTAL</b>	<b>167,760</b>	
Scurfield Coal, Inc.									
56813019									
Senate Coal Mines, Inc.									
56920111 Refuse	UF/UK								
56960106	UMK/UF	32-36-42						422,631	
Auger-BAM 2001-456	UF	42							
							<b>TOTAL</b>	<b>422,631</b>	
Shade Mining Co.									
56960104									
Shaffer Bros. Coal Co., Inc.									
56860107	LK	32							
Soberdash Coal & Coke Co.									
56733134	Brookville	36						37,375	

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
SOMERSET 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				
Svonavec, Inc.									
56763114	UF	30							
56920110	Freeport	30							
Three S Coal Co.									
56830109	UK	40							
56860106									
Zubek, Inc.									
56663135									
56930108									
56940104									
56950106									
							<b>COUNTY TOTAL</b>	<b>15,153,669</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  
WASHINGTON 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				
Bologna Mining Co.									
63823037	Pittsburgh 8	48							
63940102	Pittsburgh 8	48						785,469	
							<b>TOTAL</b>	<b>785,469</b>	
Goodall, Robert B.									
63823020 R	Pittsburgh	132							
Pangersis Coal Co.									
63890103	Pittsburgh 8	60						71,866	
63910103	Pittsburgh 8	60							
63950101	Pittsburgh	60							
							<b>TOTAL</b>	<b>71,866</b>	
Reichard Contracting, Inc.									
63940201 refuse	Pittsburgh								
Robinson Coal Co.									
63910103	Pittsburgh	90						3,448	
63940101	Pittsburgh	90						326,299	
							<b>TOTAL</b>	<b>329,747</b>	
Rostosky Coal Co., Joseph									
63830103	Waynesburg	44						78,500	
Twilight Ind., Div. of U.S. Natural Res., Inc.									
63850111	Waynesburg	50						5,178	
63930101	Waynesburg	46						213,852	
63940103	Waynesburg	52						602,932	
63960101	Waynesburg	50						214,978	
							<b>TOTAL</b>	<b>1,036,940</b>	
Washington Energy Processing, Inc.									
63743212 refuse									
							<b>COUNTY TOTAL</b>	<b>2,302,522</b>	

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
WESTMORELAND 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.									
65773019	UK/LF	24						2,158,690	
65950101	Brush Creek	17						59,396	
65960104	Redstone	35							
65960109	LF/UF	18-36						127,952	
							<b>TOTAL</b>	<b>2,346,038</b>	
Bulldog Excavation									
65940108	Waynesburg	48						10,000	
FRB, Inc.									
65920105	Pittsburgh	84							
Hepler, Calvin W.									
65910103	Pittsburgh	96							
L.M.M., Inc.									
65960110	Pittsburgh	96							
M. B. Energy, Inc.									
65840103	Pittsburgh	73							
65840104	MLK	23-26						1,065,360	
65840119	Sewickley	24						1,063,420	
65850111	Brush Creek	22							
65880112	Pittsburgh	72							
65910104	Sewickley	25						458,256	
65960103	LF	25							
65960105	Sewickley/Pitts	23-72							
							<b>TOTAL</b>	<b>2,587,036</b>	
Purco Coal, Inc.									
65890104	Redstone	34						23,352	

**TABLE 21  
OPERATING PARAMETERS FOR SURFACE MINING OPERATIONS  
WESTMORELAND 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 & Son, Inc., Ralph									
65910111	Pittsburgh	96						11,128	
65950107	Pittsburgh	96						33,383	
							<b>TOTAL</b>	<b>44,511</b>	
Smith Co., Inc., V.P.									
65960106	Pittsburgh	60-72-84							
Sosko Coal Co., Inc.									
6596011	Redstone/Pittsburgh	12-96							
							<b>COUNTY TOTAL</b>	<b>5,010,937</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