

GEOGRAPHICAL TABLE

DISTRICT 1

Operators and Mines/ Mine Drainage Permit No.	County	Geological Name of Coal Bed	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	Non- gas	Flame	Elec- tric					
BCNR Mining Corp. Russellton Mine	Allegheny	Freeport	96	216' 85' 223' 211'	360'	15°	-	Gas.	-	-	5	20	-	-	-
Creighton Hills Coal Co. Carol Mine	Butler	Up. Free.	42	-	-	-	Drift	-	Nongas.	-	-	-	-	-	-
Penn Allegh. Coal Co., Inc. Allegheny Mine No. 2	Allegheny	Up. Free.	52	-	-	-	Drift	Gas.	-	-	50	250	-	100*	-
Allegheny Mine No. 3	Allegheny	Up. Free.	46	-	-	-	Drift	Gas.	-	-	12	40	-	400*	-
TOTAL												-	500	-	
DISTRICT TOTAL												-	500	-	

*Dupont Tovex

DISTRICT 2

Operators and Mines/ Mine Drainage Permit No.	County	Geological Name of Coal Bed	Height of Seam Inches	Kind of Opening :				Number and Type:				Pounds of Explosives Used		Other Permis- sible (Name)		
				:Shaft	Slope	:Drift:	:	:Lamps Used	:	:Elec- tric :	Ammonium Nitrate	Dynamite				
BCNR Mining Corp. Newfield Mine	Allegheny	Freeport	72	292'												
Bethlehem Mines Corp. Fawn Mine No. 91	Butler	Up. Free.	52	561'	1,450'	16°	-	Gas.	-	-	38	290	-	1,500lbs	*	
Carpentertown Coal & Coke Co. Mahoning Creek No. 2	Armstrong	Up. Free.	32	-	-	-	Drift	Gas.	-	-	26	109	-	1,275(a)	800**	
Consolidated Coal Co. Renton Mine	Allegheny	Double Thick Free.	84	511'	-	-	-	Gas.	-	-	12	12	-	-	-	
Harmar Coal Co. Harmar Mine	Allegheny	Thick Free.	78	-	515'	14°2"	-	Gas.	-	-	9	9	-	-	-	
Keystone Coal Mining Corp. Marget No. 11	Armstrong	Up. Free.	44	-	385'	9°	-	Gas.	-	-	25	81	-	-	-	
Rosebud Mining Co. Rosebud No. 11	Armstrong	Lo. Kitt.	48	-	-	-	Drift	-	Nongas.	-	6	30	-	-	-	
DISTRICT TOTAL												-	2,775	800		

* Coalmex AXD707

(a) TOVEX

** Caps

DISTRICT 3

Operators and Mines/or Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening							Number and Type:			Pounds of Explosives Used		
			Shaft	Slope	Drift	Gas	Non-gas	Flame	Elec	Lamps Used	Ammonium Nitrate	Dynamite	Other Permissible (Name)		
Height of Seam	Inches	Depth	Length	Degrees	Drift	eous	eous	Open	Safety	tric					
Duquesne Light Co. Warwick No. 3	Greene	Sewickley	54	-	-	-	Drift	Gas.	-	-	77	388	-	1,100	-
National Mines Corp. Isabella Mine	Fayette	Pittsburgh	86	-	700'	14°	-	Gas.	-	-	40	180	-	-	-
Nemacolin Mines Corp. Nemacolin Mine	Greene	Pittsburgh	90	250'	875'	19°	-	Gas.	-	-	95	530	-	-	-
DISTRICT TOTAL												-	1,100	-	

DISTRICT 4

Operators and Mines/ Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening :										Number and Type:		Pounds of Explosives Used		Other Permis- sible (Name)	
			Height: of Seam	:Shaft	:Slope	:Drift:	: :	: :	: :	: :	: :	: :	: :	: :	: :	: :		: :
			Inches	Depth	Length	Degrees	Drift	eous	eous	Open	Safety	tric	Ammonium Nitrate	Dynamite				
B & M Coal Co. Mine No. 2	Greene	Sewickley	44	-	-	-	Drift	-	Nongas.	-	5	15	-	-	-			
Canon Coal Co. Pitt Gas	Greene	Pittsburgh	72	30'	300' 150'	70° 170°	-	-	Nongas.	-	15	42	-	350	-			
Consol Pa. Coal Co. Bailey No. 1 Mine	Greene	Pittsburgh	80	570'	2,200'	14°	-	Gas.	-	-	40	150	-	-	-	1,300		
Bailey No. 2 Mine	Greene	Pittsburgh	102	-	-	-	-	-	-	-	-	-	-	-	-	-		
Crystal Mining Corp. J.A.L. Mine	Greene	Sewickley	40	-	-	-	Drift	-	Nongas.	-	3	10	-	-	-			
Dunkard Mining Co. Dunkard Mine	Greene	Sewickley	54	-	-	-	Drift	Gas.	-	-	5	20	-	-	-			
Eberhart George Titus Mine	Greene	Sewickley	48	-	-	-	Drift	-	Nongas.	-	-	-	-	-	-			
Emelio Mining Co., LTD	Greene	Sewickley	46	-	-	-	Drift	-	Nongas.	-	4	16	-	-	-			
Francis Fuels, Inc. Francis Mine	Greene	Sewickley	54	-	-	-	Drift	-	Nongas.	-	1	15	-	-	-			
Gateway Coal Co. Gateway Mine	Greene	Pittsburgh	72	467' 640'	1-403 1-606	17° 17°	-	Gas.	-	-	178 178	662 662	-	8,450	-			
Duquesne Light Co. Target Industries, Inc.	Greene	Sewickley	48	-	-	-	Drift	-	Nongas.	-	8	15	-	-	-			
Target No. 1 Tri-Enterprises Bren-Mar Mine	Greene	Sewickley	54	-	-	-	Drift	-	Nongas.	-	5	30	-	-	-			
DISTRICT TOTAL													-	8,800	1,300			

DISTRICT 5

Operators and Mines/ Mine Drainage Permit No.	County	Geological Name of Coal Bed	Height of Seam	Kind of Opening				Number and Type				Pounds of Explosives Used		Other Permis- sible (Name)	
				Shaft	Slope	Drift		Lamps Used				Ammonium Nitrate	Dynamite		
			Inches	Depth	Length	Degrees	Drift	Gas	Non- gas	Open	Safety	Elec- tric			
Bethlehem Mines Corp. Livingston Portal	Washington	Pittsburgh	65	305'				Gas.	-	-	115	480	-	5,300#	-
Somerset Portal	Washington	Pittsburgh	69	278'	1,270'	17°	-	Gas.	-	-	105	470	-	1,600	-
												TOTAL	-	6,900	-
Emerald Mines Corp. Emerald Mine No. 1	Greene	Pittsburgh	74	655'	2,200'	16°30'	-	Gas.	-	-	115	480	-	50	-
												DISTRICT TOTAL	-	6,950	-

Hercoge1

DISTRICT 6

Operators and Mines/or Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening				Number and Type				Pounds of Explosives Used		Other Permis- sible (Name)		
			Height: of Seam inches	Shaft Depth	Slope	Drift	Drift	Gas- eous	Non- gas- eous	Lamps Used	Flame	Elec- tric		Ammonium Nitrate	Dynamite
BCNR Mining Corp. Clyde Mine	Washington	Pittsburgh	72	-	635' 126' 113'	-	Drift	Gas.	-	-	70	325	-	-	320*
Consolidation Coal Co. Dilworth Mine	Greene	Pittsburgh	84	609' 521' 333'	789'	16°	-	Gas.	-	-	80	395	-	-	-
Tremont Mining Co. Vesta No. 4, No. 2 Hill	Washington	Pittsburgh	84	-	-	-	Drift	Gas.	-	-	3	10	-	-	-
DISTRICT TOTAL												-	-	320	

* Dupont TOVEX Water Gel

DISTRICT 7

Operators and Mines/ or Mine Drainage Permit No.	County	Geological Name of Coal Bed	Height of Seam Inches	Kind of Opening			Gaseous	gaseous	Number and Type			Pounds of Explosives Used			
				Shaft	Slope	Drift			Lamps Used	Open	Safety	tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
Bethlehem Mines Corp. Marianna No. 58	Washington	Pittsburgh	68	460'	-	-	-	Gaseous	-	-	63	280	-	600	-
Crescent Hills Coal Co. Ocean No. 5 Mine	Allegheny	Pittsburgh	72	113'	-	-	Drift	-	NonGaseous	-	15	62	-	-	-
DeImont Resources, Inc. DeImont Mine	Westmoreland	Up. Freeport	54	-	-	-	-	NonGaseous	-	9	37	-	-	-	-
Mammoth Mining Co. Mammoth Mine	Westmoreland	Pittsburgh	84	-	-	-	Drift	-	NonGaseous	-	2	6	-	-	-
Mathies Coal Co. Mathies Mine	Washington	Pittsburgh	66	-	-	-	Drift	Gaseous	-	-	170	450	-	-	-
DISTRICT TOTAL												-	600	-	

DISTRICT 8

Operators and Mines/or Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening :										Number and Type:		Pounds of Explosives Used		Other Permis- sible (Name)
			Height of Seam	Shaft	Slope	Drift	Gas- eous	Non- gas- eous	Flame	Elec- tric	Lamps Used	Open	Safety	Ammonium Nitrate	Dynamite		
Mt. Braddock Land Co. Mt. Braddock Mine	Fayette	Pittsburgh	108	-	-	-	Drift	Gas.	-	-	10	40	-	-	-		
Shannopin Mining Co. Shannopin Mine	Greene	Pittsburgh	76	-	-	-	-	Gas.	-	-	50	260	-	-	8,000*		
U.S. Steel Mining Co., Inc. Cumberland C	Greene	Pittsburgh	78	749'	2,400'	17°	-	Gas.	-	-	121	560	-	-	2,805*		
			78	696'													
			78	721'													
			78	723'													
			78	672'													
			78	666'													
DISTRICT TOTAL													-	-	10,850		

* Red D. Ge1

DISTRICT 9

Operators and Mines/or Mine Drainage Permit No.	County	Geological Name of Coal Bed	Height of Seam	Kind of Opening				Number and Type				Pounds of Explosives Used		Other Permis- sible (Name)	
				Shaft	Slope	Drift		Lamps Used				Ammonium Nitrate	Dynamite		
			Inches	Depth	Length	Degrees	Drift	Gas	Non- gas	Flame	Elec				
U.S. Steel Mining Co., Inc. Maple Creek No. 1	Washington	Pittsburgh	63	410' 258' 268' 259'	915'	3°	Drift	Gas.	-	-	84	360	-	-	750*
Maple Creek No. 2	Washington	Pittsburgh	63	382' 251'	-	-	-	Gas.	-	-	89	440	-	-	-
											TOTAL		-	-	750
Vesta Mining Co. Vesta	Washington	Pittsburgh	74	537'	-	-	-	Gas.	-	-	30	75	-	-	-
											DISTRICT TOTAL		-	-	750

* R.D. Gel

DISTRICT 10

Operators and Mines/or Mine Drainage Permit No.	County	Geological Name of Coal Bed	Height of Seam Inches	Kind of Opening			Drift	Number and Type				Pounds of Explosives Used		Other Permis- sible (Name)			
				Shaft	Slope			Lamps Used	Non-	Flame	Elec-	Ammonium Nitrate	Dynamite				
			Depth	Length	Degrees		Gas	gas	Open	Safety	tric						
Keystone Coal Mining Corp.																	
Emile	Armstrong	U. F.	39	-	198'	16°15'	-	Gas.	-	-	68	224	-	488	330*		
Emile No. 4	Armstrong	U. F.	40	108'	942'	9°	-	Gas.	-	-	46	165	-	-	-		
Jane	Armstrong	L. F.	61	-	275'	16°15'	-	Gas.	-	-	117	380	-	1,462	330*		
												TOTAL	-	1,950	660		
														DISTRICT TOTAL	-	1,950	660

Note: * TOVEX
 Symbols for Geological Name of Coal Bed:
 UF - Upper Freeport
 LF - Lower Freeport

DISTRICT 11

Operators and Mines/or Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening :										Number and Type:			Pounds of Explosives Used		Other Permis- sible (Name)
			Height: of Seam	Shaft	Slope	Drift	Gas	Non- gas	Gas	Flame	Elec	Open	Safety	tric	Lamps Used	Ammonium Nitrate	Dynamite	
Inches	Depth	Length	Degrees	Drift	eous	eous	Open	Safety	tric									
Canterbury Coal Co. David Mine	Armstrong	Thick Free.	108	-	-	-	Drift	Gas.	-	-	30	100	-	-	1,000*			
DiAnne Mine	Armstrong	Lo. Kitt.	48	125'	1,150'	6°	-	Gas.	-	-	30	110	-	-	1,500*			
												TOTAL	-	-	2,500			
Leechburg Mining Co. Foster No. 65	Armstrong	Lo. Kitt.	48	45'	120'	16°	Drift	Gas.	-	-	2	6	-	-	-			
Loyal Creek Coal Co. Loyal Creek No. 4	Armstrong	Up. Free.	48	-	-	-	Drift	-	Nongas.	-	2	5	-	300	-			
Partner Coal Co. Gilmur No. 1	Westmoreland	Up. Free.	44	-	-	-	Drift	-	Nongas.	-	2	8	-	3,200#	-			
Tunnelton Mining Co. Marion	Westmoreland	Up. Free.	38-60	525'	980'	16°31'	-	Gas.	-	-	74	286	-	176	435a			
Weimer, James H. (b)																		
												DISTRICT TOTAL	-	3,676	2,935			

Note: * TOVEX 1 1/4" x 16"

Dupont

a Water Gel

b No annual received from operator for this company

DISTRICT 12

Operators and Mines/ Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening :				Number and Type:				Pounds of Explosives Used		Other Permis- sible (Name)		
			Height: of Seam Inches:	Shaft Slope	Drift:	Drift:	Lamps Used	Gas- eous	Non- eous	Flame	Elec- tric	Ammonium Nitrate		Dynamite	
Barnes & Tucker Co. Tanoma	Indiana	L. K.	38	180'	752'	15°	-	Gas.	-	-	80	201	-	231	-
Cannel Coal Co., Inc. Cannel No. 1	Armstrong	U. F.	120	-	-	-	Drift	-	Nongas.	-	2	4	-	-	-
Doverspike Bros Coal Co. Dora No. 6	Jefferson	L. K.	34	-	200'	9°	-	-	Nongas.	-	20	47	-	100	-
Sugarcamp No. 2	Jefferson	L. K.	32	-	-	-	Drift	-	Nongas.	-	19	45	-	-	-
TOTAL													-	100	-
Kennedy Coal Co. No. 4 & 2 Portal	Jefferson	L. F.	27	-	-	-	Drift	-	Nongas.	-	-	-	-	-	-
Knisely Coal Co. Knisely Mine	Jefferson	L. F.	54	-	-	-	Drift	-	Nongas.	-	2	12	-	50	-
Mears Enterprises, Inc. No. 1 Mine	Indiana	Clarion	42	-	-	-	Drift	-	Nongas.	-	6	20	-	-	-
O'Donnel Coal Co. No. 3 Mine	Indiana	U. F.	37	-	-	-	Drift	Gas.	-	-	3	9	-	-	-
No. 4 Mine	Indiana	U. F.	37	-	-	-	Drift	-	Nongas.	-	1	2	-	-	-
DISTRICT TOTAL													-	381	-

Note: Symbols for Geological Name of Coal Bed:

LK - Lower Kittanning

LF - Lower Freeport

UF - Upper Freeport

DISTRICT 13

Operators and Mines/or Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening :				Number and Type:				Pounds of Explosives Used		Other Permis- sible (Name)		
			Height: of Seam :	Shaft :Depth:	Slope :Length:	Drift: :Degrees:	Gas- :eous:	Gas- :eous:	Flame :Open:	Elec- :Safety:	Lamps Used :	Ammonium Nitrate		Dynamite	
Keystone Coal Mining Corp.															
Urling No. 1	Indiana	Lo. Free.	62	332'	1,250'	16°15"	-	Gas.	-	-	67	210	-	50*	-
Urling No. 2	Indiana	Up. Free.	41	256'	900'	16°	-	Gas.	-	-	33	109	-	200*	-
Urling No. 3	Indiana	Lo. Free.	59	209'	2,800'	4.5°	-	Gas.	-	-	38	156	-	150	-
											TOTAL			400	
Mears Enterprises Inc.															
Cherryhill No. 5	Indiana	Lo. Kitt.	42	-	-	-	Drift	-	Nongas.	-	6	22	-	-	-
Dixon Run No. 6	Indiana	Lo. Kitt.	42	-	-	-	Drift	-	Nongas.	-	-	-	-	-	-
Stanford Mining Co.															
Chestnut Ridge	Indiana	Miller B.	-	-	-	-	-	-	Nongas.	-	7	25	-	-	-
Dixon Run No. 3	Indiana	Miller B.	-	-	-	-	-	-	Nongas.	-	1	12	-	-	-
M & Y	Indiana	Lo. Kitt.	36	-	-	-	Drift	-	Nongas.	-	-	-	-	-	-
											DISTRICT TOTAL			400	

Note: *TOVEX No. 330

DISTRICT 14

Operators and Mines/ Mine Drainage Permit No.	County	Geological Name of Coal Bed	Height of Seam Inches	Kind of Opening			: Non- : Gas- : eous	: Drift : eous	Number and Type			Pounds of Explosives Used		Other Permis- sible (Name)	
				: Shaft	: Slope	: Drift			: Lamps Used	: Flame	: Elec-	Ammonium Nitrate	Dynamite		
Florence Mining Co., The															
No. 1 Mine - Blacklick	Indiana	Lo. Kittanning	72	-	-	-	Drift Gas.	-	-	45	166	-	2511bs(a)	-	
No. 1 Mine - Robinson	Indiana	Lo. Kittanning	68	325'	1,250'	16°31'	Drift Gas.	-	-	105	442	-	1,920bs(b)	-	
Florence No. 2 Mine	Indiana	Up. Free.	72	110'	520'	11°	Gas.	-	-	94	300	-	1001bs(b)	-	
DISTRICT TOTAL												-	2,271	-	

Note: (a) Dupont
(b) Atlas - Gel 3 Powder

DISTRICT 15

Operators and Mines/or Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening :										Number and Type:			Pounds of Explosives Used		
			Shaft	Slope	Drift							Lamps Used			Ammonium Nitrate	Dynamite	Other Permissible (Name)	
Height of Seam			Inches	Depth	Length	Degrees	Drift	eous	eous	eous	Open	Safety	Elec					
Associated Drilling, Co. Kephart Mine	Clearfield	Middle Kitt.	32	-	-	-	Drift	-	Nongas.	-	8	50	-	-	-	-	-	-
Glen Irvan Corp. Bark Camp No. 1	Clearfield	Lo. Kitt.	30	-	-	-	Drift	-	Nongas.	-	10	69	-	-	-	-	-	-
Bark Camp No. 2	Clearfield	Lo. Kitt.	27	-	-	-	Drift	-	Nongas.	-	10	39	-	-	-	-	-	-
Lady Jane Collieries, Inc. Stott No. 1	Clearfield	Lo. Kitt.	36	-	-	-	Drift	-	Nongas.	-	14	100	-	-	-	-	-	200*
Manor Mining & Contracting Co. No. 44	Clearfield	Lo. Kitt.	36	-	-	-	Drift	-	Nongas.	-	4	8	-	-	-	-	-	-
Rushton Mining Co. Rushton Mine	Centre	Brookville	55	220'	610'	16°	-	Gas.	-	-	68	256	-	-	-	1,000	-	1,450
DISTRICT TOTAL													-	-	1,000	-	1,650	

Note: * Austin

DISTRICT 16

Operators and Mines/ Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening :					Number and Type :				Pounds of Explosives Used			Other Permis- sible (Name)	
			Height: of Seam :	Shaft :Depth:	Slope :Length:	Drift: :Degrees:	:Drift:	:Gas- :gas- :Open:	:Non- :gas- :Safety:	:Elec- :Elec- :tric :	Ammonium Nitrate	Dynamite				
Barnes & Tucker Co.																
Lancashire No. 20	Cambria	L. K.	55	-	1,600'	14°	-	Gas.	-	-	60	160	-	300	-	
Lancashire No. 24-B	Cambria	L. K.	42	-	1,600'	14°	-	Gas.	-	-	35	133	-	-	-	
Lancashire No. 24-D	Cambria	L. F.	42	-	800'	14°	-	Gas.	-	-	45	170	-	3,100	-	
												TOTAL	-	3,400	-	
Helen Mining Co., The Homer City Mine	Indiana	U.F.	46	620'	2,700'	16°	-	Gas.	-	-	140	520	-	-	-	
												DISTRICT TOTAL	-	3,400	-	

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

DISTRICT 17

Operators and Mines/ Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening								Number and Type		Pounds of Explosives Used			
			Shaft	Slope	Drift						Lamps Used		Ammonium Nitrate	Dynamite	Other Permissible (Name)	
Height of Seam	Inches	Depth	Length	Degrees	Drift	eous	gas	Non-gas	Flame	Elec	Open	Safety	tric			
Inland Steel Coal Co. Lancashire No. 25	Cambria	L. F.	42	330'	-	-	Drift	Gas.	-	-	15	27	-	-	-	750*
Stanford Mining Co. Penn Hill Mine	Indiana	L. K.	44	-	-	-	Drift	-	Nongas.	-	15	51	-	150	-	-
Valley Coal Co. Mardis Run No. 2	Indiana	L. F.	30	-	-	-	Drift	-	Nongas.	-	4	10	-	-	-	-
Valley No. 11	Indiana	L. F.	42	-	-	-	Drift	-	Nongas.	-	8	40	-	-	-	-
Valley No. 14	Indiana	L. F.	40	-	-	-	Drift	-	Nongas.	-	6	18	-	-	-	-
DISTRICT TOTAL												-	150	750		

Note: * TOVEX
 Symbols for Geological Name of Coal Bed:
 LF - Lower Freeport
 LK - Lower Kittanning

DISTRICT 18

Operators and Mines/or Mine Drainage Permit No.	County	Geological Name of Coal Bed	Height of Seam Inches	Kind of Opening				Non- eous	Gas- eous	Number and Type:			Pounds of Explosives Used		Other Permis- sible (Name)
				Shaft	Slope	Drift	:			Lamps Used	Open	Safety	Electric	Ammonium Nitrate	
Greenwich Collieries, Div. of Pa Mines Corp.															
No. 1	Indiana	Lo. Free.	42	416'	-	-	Drift Gas.	-	-	140	509	-	-	300*	
				387'										800**	
				455'										460#	
No. 2	Indiana	Lo. Free.	42	450'	-	-	Drift Gas.	-	-	137	513	-	-	570*	
				512'										2089**	
				416'										2314#	
				489'											
				641'											
				399'											
DISTRICT TOTAL												-	-	6533	

Note: * TOVEX
 ** Atlas
 # Coalite

DISTRICT 19

Operators and Mines/ Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening :				Number and Type:				Pounds of Explosives Used		Other Permis- sible (Name)	
			Height: of Seam Inches:	Shaft Depth:	Slope Length:	Drift: Degrees:	Non- gas- eous:	Gas- gas- eous:	Flame Elec- tric :	Lamps Used :	Ammonium Nitrate	Dynamite		
Bethlehem Mines Corp.														
Ehrenfeld 38-E	Cambria	U. F.	20	-	-	-	Drift Gas.	-	-	5	12	-	-	-
Ehrenfeld 38-D	Cambria	L. F.	36-54	-	-	-	Drift Gas.	-	-	5	12	-	-	-
Mine No. 78	Somerset	U. K.	48	-	-	-	Drift Gas.	-	-	44	140	-	-	-
Bird Coal Co.														
Bird No. 2	Somerset	U. K.	42-44	-	-	-	Drift Gas.	-	-	2	4	-	-	-
Bird No. 3	Cambria	L. K.	42-50	-	520'	-	Gas.	-	-	4	4	-	-	-
Eureka Coal Co.														
Eureka No. 35	Somerset	Miller B	42	-	-	-	Drift Gas.	-	-	4	4	-	-	300
Harmony Mining Co.														
Harmony No. 1	Somerset	L. F.	40	-	-	3°	Drift	-	Nongas.	15	41	-	-	-
Longwall Mining Inc.														
Longwall No. 1	Cambria	U. K.	46	-	-	-	Drift	-	Nongas.	20	50	-	-	-
DISTRICT TOTAL											-	-	300	

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

DISTRICT 20

Operators and Mines/ Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening					Number and Type			Pounds of Explosives Used		Other Permis- sible (Name)	
			Height of Seam Inches	Shaft Depth	Slope Length	Drift Degrees	Drift Feet	Non- gas- eous	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite		
Bloom Coal Co. Bloom No. 1	Somerset	Up. Kitt.	42	-	-	-	Drift	-	Nongas.	-	-	-	-	-
Conrad Mining Co. Conrad No. 1	Somerset	Up. Kitt.	37-42	-	-	-	Drift	-	Nongas.	2	2	-	1,100	-
Consolidation Coal Co. Laurel Mine	Somerset	Lo. Kitt.	48	-	1,240'	16°42'	-	Gas.	-	5	15	-	-	-
J & D Mining, Inc. Miller Run No. 2	Somerset	Up. Kitt.	40	-	-	-	Drift	-	Nongas.	8	30	-	-	-
Keslar Coal Co., Inc. Ralphton No. 1	Somerset	Up. Free.	48	-	-	-	Drift	-	Nongas.	10	20	-	-	-
Mine Maintenance, Inc. Laurel Mine	Somerset	Lo. Kitt.	72	364'	1,300'	17°	Drift	Gas.	-	6	14	-	-	-
Quemahoning Collieries Mine No. 1	Somerset	Up. Kitt.	36	28'	-	-	Drift	-	Nongas.	1	6	-	500	-
Reitz Coal Co. No. 22 - St. Thomas	Somerset	Up. Kitt.	38	-	-	-	Drift	-	Nongas.	2	2	-	-	-
No. 24 - Camp Hamilton	Somerset	Lo. Kitt.	-	-	-	-	Drift	-	Nongas.	-	-	-	-	-
No. 25 - Delta	Somerset	Lo. Kitt.	72	-	-	-	Drift	-	Nongas.	3	4	-	-	-
Solar Fuel Co. No. 7 Mine	Somerset	Up. Kitt.	42	-	-	-	Drift	-	Nongas.	3	6	-	-	-
Trent Coal, Inc. Hritz	Somerset	Up. Kitt.	34	-	-	-	Drift	-	Nongas.	7	20	-	-	-
DISTRICT TOTAL											-	1,600	-	

DISTRICT 21

Operators and Mines/or Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening :							Number and Type:		Pounds of Explosives Used		Other Permis- sible (Name)	
			Height: of Seam :	Shaft : :	Slope : :	Drift: : :	Gas- eous :	gas- eous :	Non- : :	Lamps Used : :	Flame : :	Elec- tric :	Ammonium Nitrate		Dynamite
G.M. & W. Coal Co., Inc.															
Grove 1	Somerset	U. K.	60	-	-	-	Drift	Gas.	-	-	35	165	-	275	-
Grove 3	Somerset	U. F.	99	-	-	-	Drift	-	Nongas.	-	41	190	-	55	-
Grove 5	Somerset	U. K.	72	-	-	-	Drift	-	Nongas.	-	14	47	-	-	-
											TOTAL		-	330	-
Hawkview Mining Corp.															
Barbara No. 1	Somerset	U. K.	48	-	-	-	Drift	-	Nongas.	-	14	49	-	-	-
Mark Mining, Inc. Mark 2	Somerset	L. F.	30	-	-	-	Drift	-	Nongas.	-	8	40	-	-	-
Solar Fuel Co. Mine No. 10	Somerset	U. K.	34	-	-	-	Drift	-	Nongas.	-	8	36	-	-	-
Spewock, Theodore Clark Hollow	Westmoreland	L. F.	48	150'	-	-	Drift	-	Nongas.	-	1	1	-	-	-
											DISTRICT TOTAL		-	330	-

Note: Symbols for Geological Name of Coal Bed:
 UK - Upper Kittanning
 UF - Upper Freeport
 LF - Lower Freeport

DISTRICT 22

Operators and Mines/or Mine Drainage Permit No.	County	Geological Name of Coal Bed	Kind of Opening										Number and Type:		Pounds of Explosives Used		Other Permis- sible (Name)
			Height: of Seam Inches	Shaft	Slope	Drift	Non- :gas- eous	Gas- :gas- eous	Flame	Elec- tric	Lamps Used	Open	Safety	Ammonium Nitrate	Dynamite		
Bethlehem Mines Corp. Mine No. 32	Cambria	Lo. Kitt.	54	545'				Gas.				6	30				
Cambria Slope Mine 33	Cambria	Up. Kitt.	36-48	620'													
		Lo. Kitt.	42-60	475' 628' 481' 660' 640' 801'	3,000'	17°		Gas.			173	1,020	30,000lbs*				
Stella Maris Marie Mine	Cambria	Unknown	-	-	-	-	-	Gas.#									
													DISTRICT TOTAL		30,000	-	-

Note: * Coal MEX AXD, Austin Powder
Estimated

DISTRICT 23

Operators and Mines/ Mine Drainage Permit No.	County	Geological Name of Coal Bed	Height of Seam Inches	Kind of Opening				: : : : : : : :	: : : : : : : :	Number and Type		Pounds of Explosives Used			Other Permis- sible (Name)
				:Shaft	Slope	:Drift:	: : : : : : : :			: : : : : : : :	: : : : : : : :	: : : : : : : :	: : : : : : : :	: : : : : : : :	
Helvetia Coal Co.															
Lucerne No. 6	Indiana	U. F.	48-60	636'	2,100'	16°15'	-	Gas.	-	-	150	520	-	5,400*	-
Lucerne No. 8	Indiana	U. F.	42	88'	338'	16°15'	-	Gas.	-	-	47	158	-	375	326#
Lucerne No. 9	Indiana	L. F.	68	-	285'	16°	-	Gas.	-	-	73	224	-	514*	509#
DISTRICT TOTAL												-	6,289	835	

Note: * Caps
TOVEX

Symbols for geological name of coal bed:
 UF - Upper Freeport
 MF - Middle Freeport
 LF - Lower Freeport