

GEOGRAPHICAL TABLE

DISTRICT 1

Operators and Mines/ or Mine Drainage Permit No.	County	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	:	Gas	gas	Flame	Elec	Ammonium Nitrate		Dynamite
BCNR Mining Corp. Russellton Mine	Allegheny	Freeport	-	216' 85' 223' 211'	360'	15°	-	Gaseous	-	5	20	-	-	-
Creighton Hills Coal Co., Inc. Carol Mine	Butler	Up. Freeport	48	-	-	-	Drift	Gaseous	-	3	6	-	-	-
Penn Allegh Coal Co., Inc. Allegh No. 2	Allegheny	Up. Freeport	52	-	-	-	Drift	Gaseous	-	50	250	-	200*	-
Allegh No. 3	Allegheny	Up. Freeport	45	-	-	-	Drift	Gaseous	-	12	40	-	200*	-
										TOTAL		-	400	-
DISTRICT TOTAL										TOTAL		-	400	-

* Dupont - Tovex

DISTRICT 2

Operators and Mines/ or Mine Drainage Permit No.	County	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	:	:Non-:	:Flame:	:Elec-:	Ammonium Nitrate		Dynamite	
				:Depth:	Length:	Degrees:	Drift:	:Gas-:	:gas-:	Open:	Safety:	tric :				
RCNR Mining Corp. Newfield Mine	Allegheny	-	72	292'	561'	1,450'	16°	-	Gaseous	-	-	35	120	-	-	-
Beth Energy Mines, Inc. Fawn Mine 91	Butler	U.F.	52	-	-	-	-	Drift	Gaseous	-	-	25	109	-	775*	465#
Carpentertown Coal & Coke Co. Mahoning Creek No. 2	Armstrong	U.F.	32	-	-	-	-	Drift	-	Nongaseous	-	22	70	-	-	-
Consolidation Coal Co. Renton Mine	Allegheny	D.T.F.	84	511'	-	-	-	-	Gaseous	-	-	12	12	-	-	-
Harmar Coal Co. Harmar Mine	Allegheny	T.F.	78	75'	575'	370'	14°	14°	-	Gaseous	-	-	9	9	-	-
Keystone Coal Mining Corp. Margaret No. 11	Armstrong	U.F.	42	-	385'	-	9°	-	Gaseous	-	-	25	81	-	-	-
Rosebud Mining Co. Rosebud No. 1	Armstrong	L.K.	40	-	-	-	-	Drift	Gaseous	-	-	6	30	-	-	-
Salatino, Anthony Salatino Mine	Allegheny	Pittsburgh	84	560'	-	-	-	-	Gaseous	-	-	-	-	-	-	-
DISTRICT TOTAL														775	465	

* Tovex

Caps

Symbols for Geological Name of Coal Bed:

- U.F. - Upper Freeport
- D.T.F. - Double Thick Freeport
- T.F. - Thick Freeport
- L.K. - Lower Kittanning

DISTRICT 3

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Height of Seam Inches	Kind of Opening			:Drift:	:Non- :Gas- :Open:	Number and Type			Pounds of Explosives Used		Other Permis- sible (Name)	
				:Shaft:	Slope	:			:Lamps Used	:Flame	:Elec-	Ammonium Nitrate	Dynamite		
Duquesne Light Co. Warwick No. 3	Greene	Sewickley	54	-	-	-	Drift	Gaseous	-	-	77	352	-	1,900	-
National Mines Corp. Isabella Mine	Fayette	Pittsburgh	86	-	700'	14°	-	Gaseous	-	-	6	20	-	-	-
Nemacolin Mines Nemacolin Mine	Greene	Pittsburgh	90	250'	875'	19°	-	Gaseous	-	-	95	530	-	-	400*
DISTRICT TOTAL												-	1,900	400	

Note: * Red Gel

DISTRICT 4

Operators and Mines/ or Mine Drainage Permit No.	County	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	:	:Non-:	:	:Elec-:	Ammonium		Dynamite
				:Depth:	Length:	Degrees:	Drift:	:Gas-:	gas-:	:Flame	:Elec-:	Nitrate			
R & M Coal Co. B & M No. 2	Greene	Sewickley	52	-	-	-	Drift	-	Nongaseous	-	6	15	-	-	-
Canon Coal Co. Pitt Gas	Greene	Pittsburgh	72	30'	300' 150'	7°-17°	-	Gaseous	-	-	15	42	-	2,700	-
Consol Pa. Coal Co. Bailey No. 1	Greene	Pittsburgh	69	570'	2,200'	14°	-	Gaseous	-	-	70	350	-	-	1,000
Crystal Mining Corp. J.A.L. Mine	Greene	Sewickley	40	-	-	-	Drift	Gaseous	-	-	-	-	-	-	-
Dunkard Mining Co. Dunkard Mine	Greene	Sewickley	54	-	-	-	Drift	-	Nongaseous	-	5	20	-	-	-
Eberhart Coal Co. Titus	Greene	Sewickley	48	-	-	-	Drift	-	Nongaseous	-	-	-	-	-	-
Emelio Mining Co., LTD No. 1	Greene	Sewickley	50	-	-	-	Drift	-	Nongaseous	-	3	8	-	-	-
Francis Fuels, Inc. Francis Fuels	Greene	Sewickley	54	-	-	-	Drift	-	Nongaseous	-	1	15	-	-	-
Gateway Coal Co. Gateway	Greene	Unknown	-	-	-	-	Drift	Gaseous	-	-	-	-	-	-	-
Target Industries, Inc. Target No. 1	Greene	Sewickley	55	-	-	-	Drift	-	Nongaseous	-	8	28	-	-	-
Tri-Ent., Inc. Bren-Mar	Greene	Sewickley	48	-	-	-	Drift	-	Nongaseous	-	4	14	-	-	-
DISTRICT TOTAL													2,700	1,000	

DISTRICT 5

Operators and Mines/ or Mine Drainage Permit No.	County	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		
Beth Energy Mines, Inc. Livingston Portal	Washington	Pittsburgh	65	305'											
Somerset Portal	Washington	Pittsburgh	69	590'	1,270'	17°	-	Gaseous	-	-	115	480	-	5,300*	-
				278'	1,249'	17°	-	Gaseous	-	-	100	345	-	8,000	-
								TOTAL				13,300			
Emerald Mines Corp. Emerald No. 1	Greene	Pittsburgh	74	655'	2,200'	16°30'	-	Gaseous	-	-	117	483	-	45	-
								DISTRICT TOTAL				13,345			

Note: * Hercogel

DISTRICT 6

Operators and Mines/ or Mine Drainage Permit No.	County	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:	Gas:	gas:	Flame	Elec- tric			
Consolidation Coal Co. Dilsworth Mine	Greene	Pittsburgh	84	609'										
				521'										
				332'	779'	16°	-	Gaseous	-	-	80	395	-	-
Kitt Energy Corp. Clyde Mine	Washington	Pittsburgh	72	-	635'									
					126'									
					113'	-	Drift	Gaseous	-	-	30	235	-	-
Tremont Mining Co. Vista 4 - Hill 2	Washington	Mine Closed												
DISTRICT TOTAL												-	-	320

* DuPont Tovex, Water Gel

DISTRICT 7

Operators and Mines/ or Mine Drainage Permit No.	County	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:	Gas:	Non- gas:	Flame	Elec- tric :				
Beth Energy Mines, Inc. Marianna Mine No. 58	Washington	Pittsburgh	68	460'	-	-	-	Gaseous	-	-	59	250	-	1,250	-
Crescent Hills Coal Co., Inc. Ocean No. 5 Mine	Allegheny	Pittsburgh	72	-	-	-	Drift	-	Nongaseous	-	15	62	-	-	-
Mammoth Mining Co. Mammoth Mine	Westmoreland	Pittsburgh	84	20'	-	-	Drift	-	Nongaseous	-	2	6	-	-	-
Mathies Coal Co. Mathies Mine	Washington	Pittsburgh	66	-	-	-	Drift	Gaseous	-	-	170	450	-	-	-
DISTRICT TOTAL												-	1,250	-	

DISTRICT 8

Operators and Mines/ or Mine Drainage Permit No.	County	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:	Gas- eous:	Non- gas- eous:	Flame	Elec- tric				
Shannopin Mining Co. Shannopin Mine	Greene	Pittsburgh	76	191'											
				449'											
				448'	-	-	-	Gaseous	-	-	50	260	-	3,000*	-
U.S. Steel Mining Co., Inc. Cumberland C Mine	Greene	Pittsburgh	78	749'											
				695'											
				Ø 716'	2,577'	16°	-	Gaseous	-	-	121	560	-	800*	-
				(b) 724'											
				672'											
				671'	2,194'	17°									
DISTRICT TOTAL												-	3,800	-	

* Red D Gel
Ø Belt Slope
(b) Track Slope

DISTRICT 9

Operators and Mines/ or Mine Drainage Permit No.	County	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	:	:Flame	:Elec-	Ammonium	Dynamite		
				:Depth:	:Length:	:Degrees:	:Drift:	:Gas-:gas-:	:Non-:of:	:Flame	:Elec-	Nitrate			
High-Tech Collieries, Inc. Vesta No. 5	Washington	Pittsburgh	74	-	-	-	Drift	Gaseous	-	-	15	95	-	-	*
U.S. Steel Mining Co., Inc. Maple Creek No. 2	Washington	Pittsburgh	63	410'											
				259'											
				268'											
				250'	915'	30°	Drift	Gaseous	-	-	173	800	-	-	625@
Vesta Mining Co. Vesta Mine	Washington	Pittsburgh	74	537'	-	-	-	Gaseous	-	-	-	4	-	-	-
DISTRICT TOTAL												-	-	625	

Note:*DuPont Water Gel
@R.D. Gel

DISTRICT 10

Operators and Mines/ or Mine Drainage Permit No.	County	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	Gas	Non- gas	Lamps Used	Flame	Elec	Ammonium Nitrate		Dynamite	
Darmac Associates Darmac No. 1	Armstrong	U.F.	36	-	-	-	Drift	-	Nongaseous	-	9	23	-	-	-
Keystone Coal Mining Corp. Jane	Armstrong	L.F.	54	-	275'	16°	-	Gaseous	-	-	76	370	-	-	600#
Emilie No. 4	Armstrong	U.F.	40	108'	942'	10°	-	Gaseous	-	-	46	165	-	-	-
Emilie	Armstrong	U.F.	39	-	198'	16°	-	Gaseous	-	-	71	235	-	-	400#
TOTAL											-	-	1,000		
DISTRICT TOTAL											-	-	1,000		

Note: # Tovex

Symbols for Geological Name of Coal Red: L.F. - Lower Freeport
 U.F. - Upper Freeport

DISTRICT 11

Operators and Mines/ or Mine Drainage Permit No.	County	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	Gas	gas	Flame	Elec				
Canterbury Coal Co. DiAnne Mine	Armstrong	L.K.	48	125'	1,150'	6°	-	Gaseous	-	-	30	110	-	-	1,500*
David Mine	Armstrong	T.F.	108	-	-	-	Drift	Gaseous	-	-	30	100	-	-	1,000*
											TOTAL		-	-	2,500
Loyal Creek Coal Loyal Creek No. 1	Armstrong	U.F.	48	-	-	-	Drift	-	Nongaseous	-	2	12	-	-	-
Partner Coal Co. Gilmur No. 1	Westmoreland	U.F.	44	-	-	-	Drift	-	Nongaseous	-	2	8	-	3,600#	-
Tunnelton Mining Co. Marion	Indiana	U.F.	38-62	263'	980'	16°3'	-	Gaseous	-	-	80	286	-	-	1700
											DISTRICT TOTAL		-	3,600	2,670

* Tovex

DuPont

@ Water Gel

Symbols for Geological Name of Coal Red: L.F. - Lower Freeport
 U.F. - Upper Freeport
 T.F. - Thick Freeport

DISTRICT 12

Operators and Mines/ or Mine Drainage Permit No.	County	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	Non-:	Flame :	Elec-:	Ammonium Nitrate	Dynamite		
				Depth:	Length:	Degrees:	Gas-:	gas-:	Open:	Safety:	tric :			
Barnes & Tucker Co. Tanoma Mine	Indiana	L.K.	38	180'	752'	15°	-	Gaseous	-	70	265	-	14	-
Cannel Coal Co. Cannel Mine	Armstrong	U.F.	120*	-	-	-	-	Nongaseous*-	-	-	-	-	-	-
Doverspike Bros Coal Co. Dora No. 6	Jefferson	L.K.	34	-	200	9°	-	Nongaseous	-	19	47	-	150	-
Sugarcamp 2	Jefferson	L.K.	35	-	-	-	Drift	Nongaseous	-	19	45	-	-	-
TOTAL												-	150	-
G R Mining Fairview 5	Jefferson	L.F.	35	-	-	-	Drift	Nongaseous	-	6	25	-	-	-
Kennedy Coal Co. Kennedy Mine	Jefferson	L.F.	27*	-	-	-	Drift*	Nongaseous*-	-	-	-	-	-	-
Knisely Coal Co. Knisely Mine	Jefferson	L.F.	54*	-	-	-	Drift*	Nongaseous*-	-	-	-	-	-	-
Mears Enterprises, Inc. No. 1 Mine	Indiana	Clarion A	42	-	-	-	Drift	Nongaseous	-	-	-	-	-	-
O'Donnell Coal Co. O'Donnell No. 3	Indiana	U.F.	37	-	-	1°	Drift	Gaseous	-	4	10	-	-	400#
O'Donnell No. 4	Indiana	U.F.	37	-	-	1°	Drift	Gaseous	-	1	1	-	-	-
DISTRICT TOTAL												-	164	400

Note:

Tovex

* Estimated

Symbols for Geological Name of Coal Bed: L.K. - Lower Kittanning
 U.F. - Upper Freeport
 L.F. - Lower Freeport

DISTRICT 13

Operators and Mines/ or Mine Drainage Permit No.	County	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	Gas	Non- gas	Flame	Elec	Ammonium Nitrate	Dynamite			
Keystone Coal Mining Corp.															
Uriling No. 1	Indiana	L.F.	54	332'	1,250'	16°	-	Gaseous	-	-	75	250	-	-	110*
Uriling No. 2	Indiana	U.F.	41	256'	900'	16°	-	Gaseous	-	-	35	153	-	-	290*
Uriling No. 3	Indiana	L.F.	54	209'	2,800'	4°	-	Gaseous	-	-	37	153	-	-	150*
											TOTAL	-	-	550	
Mears Enterprises, Inc.															
Cherryhill No. 5	Indiana	L.K.	42	-	-	-	Drift	-	Nongaseous	-	6	22	-	-	-
Stanford Mining Co.															
Chestnut Ridge	Indiana	L.K.	42	-	-	-	Drift	-	Nongaseous	-	8	28	-	-	-
Dixon Run No. 3	Indiana	L.K.	40	-	-	-	Drift	-	Nongaseous	-	-	-	-	-	-
M.Y.	Indiana	Unknown	-	-	-	-	-	Gaseous	-	-	-	-	-	-	-
											DISTRICT TOTAL	-	-	550	

Note: * Tovex

Symbols for Geological Name of Coal Bed: L.F. - Lower Freeport
 U.F. - Upper Freeport
 L.K. - Lower Kittanning

DISTRICT 14

Operators and Mines/ or Mine Drainage Permit No.	County	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:	Gas:	gas:	Flame	Elec:				
Florence Mining Co., The			78	-	-	-	Drift	Gaseous	-	-	47	158	-	34	2*
Florence No. 1 Blacklick	Indiana	L.K.	60	325'	1,250'	16°30'	Drift	Gaseous	-	-	105	420	-	1,470	3,095#
Florence No. 2 Robinson	Indiana	L.K.	72	110'	520'	11°	-	Gaseous	-	-	94	30	-	250	-
Florence No. 2	Indiana	U.F.													
DISTRICT TOTAL												-	1,754	3,097	

Note: * Coalite
Caps

Symbols for Geological Name of Coal Bed: L.K. - Lower Kittanning
U.F. - Upper Freeport

DISTRICT 15

Operators and Mines/ or Mine Drainage Permit No.	County	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	Non-	Flame	Elec-	Ammonium Nitrate		Dynamite	
				Depth	Length	Degrees	Drift	Gas-	gas-	Open	Safety	tric			
Associated Drilling Kephart Mine	Clearfield	M.K.	31	-	-	-	Drift	-	Nongaseous	-	-	-	-	-	-
Glen Irvan Corp. Bark Camp No. 1	Clearfield	L.K.	29	-	-	-	Drift	-	Nongaseous	-	10	69	-	-	-
Bark Camp No. 2	Clearfield	L.K.	27	-	-	-	Drift	-	Nongaseous	-	10	47	-	-	-
Lady Jane Collieries, Inc. Stott No. 1 sealed	Clearfield	L.K.	-	-	-	-	-	Gaseous	-	-	-	-	-	-	-
Manor Mining & Construction Co. Manor No. 44	Clearfield	L.K.	36	-	-	-	Drift	-	Nongaseous	-	4	15	-	-	-
Rushton Mining Co. Rushton Mine	Centre	Brookville	55	-	610'	16°	-	Gaseous	-	-	68	256	-	100	-
DISTRICT TOTAL												-	100	-	

Symbols for Geological Name of Coal Bed: M.K. - Middle Kittanning
L.K. - Lower Kittanning

DISTRICT 16

Operators and Mines/ or Mine Drainage Permit No.	County	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	Gas	Non- gas	Lamps Used	Flame	Elec	Ammonium Nitrate	Dynamite			
Barnes & Tucker Co. Lancashire 20	Cambria	L.K.	60	375'												
				597'												
				590'	1,560'	14°	-	Gaseous	-	-	40	310	-	800	-	
Lancashire 248	Cambria	L.K.	42	560'												
				420'	1,509'	14°	-	Gaseous	-	-	47	110	-	10	-	
Lancashire 24D	Cambria	L.F.	-	370'	1,509'	14°	-	Gaseous	-	-	5	5	-	725	-	
Helen Mining Co., Inc. Homer City Mine	Indiana	U.F.	46	208'	827'	14°	-	Gaseous	-	-	140	520	-	-	2,850	
DISTRICT TOTAL												-	1,535	2,850		

Symbols for Geological Name of Coal Bed: L.F. - Lower Freeport
U.F. - Upper Freeport
L.K. - Lower Kittanning

DISTRICT 17

Operators and Mines/ or Mine Drainage Permit No.	County	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	Gas- eous	Gas- eous	Flame	Elec- tric				
Hillside Mining Co. Hillside 1	Cambria	M.K.	36	-	-	-	Drift	-	Nongaseous	-	5	15	-	-	-
Stanford Mining Co. Penn Hill	Indiana	L.K.	42	-	-	-	Drift	-	Nongaseous	-	12	46	-	50	-
Inland Steel Coal Co. Lancashire 25 (a)	Cambria	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valley Coal Co. Mardis No. 2	Indiana	L.F.	30	-	-	-	Drift	-	Nongaseous	-	-	-	-	-	-
Valley No. 11	Indiana	L.F.	42	-	-	-	Drift	-	Nongaseous	-	8	40	-	-	-
Valley No. 14	Indiana	L.F.	40	-	-	-	Drift	-	Nongaseous	-	6	18	-	-	-
DISTRICT TOTAL												-	50	-	

Note: (a) Mine being sealed.

Symbols for Geological Name of Coal Bed: M.K. - Middle Kittanning
L.K. - Lower Kittanning
L.F. - Lower Freeport

DISTRICT 18

Operators and Mines/ or Mine Drainage Permit No.	County	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	Non- :Gas-:gas-: :Flame :Elec-: :Open:Safety:tric :	Ammonium Nitrate	Dynamite				
Greenwich Collieries, Div. of Pa. Mines Corp. No. 1	Indiana	L.F.	42	416'										
				387'									50*	
				455'	-	-	Drift Gaseous	-	-	109(a)	416(a)	-	-	1,400**
No. 2	Indiana	L.F.	42	450-512'										
				416-489'										
				641-399'	-	-	Drift Gaseous	-	-	115(a)	480(a)	-	-	3,615**
DISTRICT TOTAL													200*	5,265

* Tovex

** Atlas

(a) Both Portals

Symbols for Geological Name of Coal Bed: L.F. - Lower Freeport

DISTRICT 19

Operators and Mines/ or Mine Drainage Permit No.	County	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	Non-	Flame	Elec-	Ammonium		Dynamite		
				Depth	Length	Degrees	Drift	eous	eous	Open	Safety	tric	Nitrate		
Beth Energy Mines, Inc.															
Ehrenfeld 38D	Cambria	L.F.	36-54	1-254'	-	-	Drift	Gaseous	-	-	5	15	-	-	-
Ehrenfeld 38E	Cambria	U.F.	20-45	-	-	-	Drift	Gaseous	-	-	-	-	-	-	-
Mine No. 78	Somerset	U.K.	48	-	-	-	Drift	Gaseous	-	-	44	140	-	-	-
Bird Coal Co.															
Bird No. 2	Somerset	U.K.	42-44	-	-	-	Drift	Gaseous	-	-	2	4	-	-	-
Bird No. 3	Cambria	L.K.	42-50	-	-	-	Drift	Gaseous	-	-	2	2	-	-	-
Eureka Coal Co.															
Eureka No. 35 Lower	Somerset	Miller B	42	-	-	-	Drift	- Nongaseous	-	-	1	3	-	-	250
Harmony Mining Co.															
Harmony No. 1	Somerset	L.F.	40	-	-	3°	Drift	- Nongaseous	-	-	15	38	-	-	-
Longwall Mining, Inc.															
Longwall No. 1	Cambria	U.K.	46	-	-	-	Drift	- Nongaseous	-	-	20	50	-	-	-
DISTRICT TOTAL													-	-	250

Symbols for Geological Name of Coal Bed: L.F. - Lower Freeport
 U.F. - Upper Freeport
 L.K. - Lower Kittanning
 U.K. - Upper Kittanning

DISTRICT 20

Operators and Mines/ or Mine Drainage Permit No.	County	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:	Non-:	Lamps Used	Gas-gas-:	Flame	Elec-:	Ammonium Nitrate		Dynamite
				Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	tric :		
Bloom, Jr., Ralph Bloom No. 1	Somerset	U.K.	42	-	-	-	Drift	-	Nongaseous	-	-	-	55	-
Conrad Mining Co. Conrad No. 1	Somerset	U.K.	37-42	-	-	-	Drift	-	Nongaseous	-	-	-	750	-
J. & D. Mining, Inc. Miller Run No. 2	Somerset	U.K.	40	-	-	-	Drift	-	Nongaseous	-	-	-	-	-
Keslar Coal Co., Inc. Ralphton No. 1	Somerset	U.F.	48	-	-	-	Drift	-	Nongaseous	-	-	-	-	-
Laurel Mines Corp. Laurel Mine	Somerset	L.K.	84	-	1,240'	16°	Drift	Gaseous	-	-	-	-	-	-
Mountain Mining, Inc. Towers Mine	Bedford	Kelly Seam	40	-	-	-	Drift	-	Nongaseous	-	-	-	-	-
Quemahoning Collieries Mine No. 1	Somerset	U.K.	36	-	-	-	Drift	-	Nongaseous	-	-	-	500	-
Reitz Coal Co. St. Thomas No. 22	Somerset	U.K.	38	-	-	-	Drift	-	Nongaseous	-	-	-	-	-
Camp Hamilton No. 24	Somerset	L.K.	42	-	-	-	Drift	-	Nongaseous	-	-	-	-	-
Delta No. 25	Somerset	L.K.	72	-	-	-	Drift	-	Nongaseous	-	-	-	-	-
Solar Fuel Co. No. 7 Mine	Somerset	U.K.	42	-	-	-	Drift	-	Nongaseous	-	-	-	-	-
Trent Coal, Inc. Fritz	Somerset	U.K.	32	-	-	-	Drift	-	Nongaseous	-	-	-	5	-
Zelanko Coal Co. Towers Mine	Bedford	Kelly Seam	40	-	-	-	Drift	-	Nongaseous	-	-	-	-	-
DISTRICT TOTAL												-	1,310	-

Note: Symbols for Geological Name of Coal Bed: L.K. - Lower Kittanning
 U.K. - Upper Kittanning
 U.F. - Upper Freeport

DISTRICT 21

Operators and Mines/ or Mine Drainage Permit No.	County	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	:	:Non-:	:Elec-:		Ammonium Nitrate
				:Depth:	Length:	Degrees:	Drift:	eous:	eous:	Open:	Safety:	tric :			
Hawkview Mining Corp. Barbara No. 1	Somerset	U.K.	48	-	-	-	Drift	-	Nongaseous	-	13	51	-	-	-
Leon Mining Co. Grove No. 1	Somerset	U.K.	52	-	-	-	Drift	Gaseous	-	-	12	52	-	-	-
Mark Mining, Inc. Mark No. 2	Somerset	L.F.	30	-	-	-	Drift	-	Nongaseous	-	-	-	-	400	-
Solar Fuel Co. Mine No. 10(a)	Somerset	U.K.	34	-	-	-	Drift	-	Nongaseous	-	8	36	-	-	-
Spewock, Theodore Clark Hollow	Westmoreland	L.F.	48	-	-	-	Drift	-	Nongaseous	-	1	1	-	-	-
DISTRICT TOTAL													-	400	-

Note: Symbols for Geological Name of Coal Bed: U.K. - Upper Kittanning
L.F. - Lower Freeport
(a) Mine idle

DISTRICT 22

Operators and Mines/ or Mine Drainage Permit No.	County	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:	Gas- eous:	gas- eous:	Open:	Flame Safety:	Elec- tric:			
Beth Energy Mines, Inc. Cambria Slope No. 33	Cambria	U.K. L.K.	36-48 42-60	820' 628' 640' 801' 451' 475' 660' 734'	3,000'	17°	-	Gaseous	-	-	200	725	-	-	11,550*
TOTAL											-	-	11,550		
DISTRICT TOTAL											-	-	11,550		

Note:

* Coal Mex AXD, Austin Powder
 Symbols for Geological Name of Coal Bed: U.K. - Upper Kittanning
 L.K. - Lower Kittanning

DISTRICT 23

Operators and Mines/ or Mine Drainage Permit No.	County	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	:	:Flame	:Elec-:	Ammonium Nitrate	Dynamite		
				:Depth:	Length:	Degrees:	Drift:	:Gas-:eous:	Non-:eous:	Open:	Safety:	tric :			
Helvetia Coal Co. Lucerne 6	Indiana	U.F.	54	636'	2,100'	16°	-	Gaseous	-	-	110	440	-	-	2,300*
Lucerne 8	Indiana	U.F.	54	88'	338'	16°	-	Gaseous	-	-	47	162	-	-	2,650#
Lucerne 9	Indiana	L.F.	42	-	285'	16°	-	Gaseous	-	-	74	224	-	-	598#
															452#
															TOTAL
															-
															-
															DISTRICT TOTAL
															-
															-
															6,240

Note:
* Caps
Tovex