

# **GEOGRAPHICAL TABLE**

DISTRICT 1

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral or 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:	Gaseous:	gaseous:	Open:	Safety:	tric :					
BCNR Mining Corp. Russellton	Allegheny	Freeport	96	216'													
				85'													
				211'													
				223'	360'	15°	-	Gaseous	-	-	52	225	-	1,000	-		
Bethlehem Mines Corp. Fawn Mine 91	Butler	Up. Freeport	52	-	-	-	Drift	Gaseous	-	-	26	105	-	1,525*	1,555#		
Creighton Hills Coal Co., Inc. Carol Mine	Butler	Up. Freeport	48	-	-	-	Drift	-	Nongase.	-	3	4	-	-	-		
Penn Allegh Coal Co., Inc. Allegh Mine 2 Allegh Mine 3	Allegheny	Up. Freeport	52	-	-	-	Drift	Gaseous	-	-	50	250	-	200@	-		
	Allegheny	Up. Freeport	46	-	-	-	Drift	Gaseous	-	-	12	40	-	1,500@	-		
														1,700	-		
<b>TOTAL</b>																	
<b>DISTRICT TOTAL</b>												-	4,225	1,555			

\* Tovex

# Caps

@ Dupont-Tovex

DISTRICT 2

		Average													
		Mineral	Kind of Opening				Number and Type				Pounds of Explosives Used				
		or	Shaft	Slope	Drift			Lamps Used							
Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Height Inches	Depth	Length	Degrees	Drift	Gaseous	gaseous	Open	Safety	tric	Ammonium Nitrate	Other Permis- sible Dynamite (Name)	
Carpentertown Coal & Coke Co. Mahoning Creek 2	Armstrong	Up. Freeport	36	-	-	-	Drift	-	Nongase.	-	36	90	-	-	-
Keystone Coal Mining Corp. Margaret 11	Armstrong	Up. Freeport	42	-	385'	9°	-	Gaseous	-	-	22	80	-	-	-

DISTRICT 3

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral or Height of Seam Inches	Kind of Opening :				Number and Type :				Pounds of Explosives Used		Other Permis- sible Dynamite (Name)	
				:Shaft:	Slope	:Drift:	:	: Lamps Used	:	:	:	: Flame	: Elec-		: Ammonium
				:Depth:	Length:	Degrees:	Drift:	Gaseous:	gaseous:	Open:	Safety:	tric :	Nitrate	Dynamite	(Name)
Duquesne Light Co. Warwick Mine No. 3	Greene	Sewickley	54	-	-	-	Drift	Gaseous	-	-	104	403	-	1,550	-
National Mines Corp. Isabella	Fayette	Pittsburgh	86	-	700'	14°	-	Gaseous	-	-	52	240	-	-	1,150*
Nemacolin Mines Corp. Nemacolin Mine	Greene	Pittsburgh	90	250	875'	19°	-	Gaseous	-	-	95	530	-	-	1,950#
<b>DISTRICT TOTAL</b>													-	1,550	3,100

Note: \* Austin Red-D-Jel  
# Red Gell

DISTRICT 4

Operators and Mines/ or Mine Drainage Permit No.	County	Geological Formation	Average Mineral or Height of Seam Inches	Kind of Opening				Number and Type				Founds of Explosives Used		Other Permis- sible (Name)	
				: Shaft:	: Slope	: Drift:	:	: Lamps Used	:	: Ammonium	: Nitrate	: Dynamite			
Name of Non- Coal, Coal, or Geological Formation	Height of Seam Inches	: Shaft:	: Slope	: Drift:	:	: Lamps Used	:	: Ammonium	: Nitrate	: Dynamite	:	:	:	:	
Target Industries, Inc. Target No. 1	Greene	Sewickley	48	-	-	-	Drift	-	Nongase.	-	12	34	-	-	-
Triangle Enterprises, Inc. Bren-Mar Mine	Greene	Sewickley	54	-	-	-	Drift	-	Nongase.	-	6	30	-	-	-
United State Steel Corp. Cumberland Mine Co.	Greene	Unknown	-	-	-	-	-	-	*Nongase.	-	-	-	-	-	-
U.S. Steel Mining Co., Inc. Cumberland Robena Mine	Greene Greene	Unknown Pittsburgh	- 90	- -	- -	- 180 <sup>0</sup>	- -	- Gaseous	*Nongase. -	- -	- 35	- 75	- -	- -	- 250*
DISTRICT TOTAL												-	-	250	

\* Estimated

\*\* R.D. Gel

DISTRICT 5

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral or Height 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	Open: : Safety : tric	gaseous: : Open: : Safety : tric	Nitrate	Dynamite			
BCNR Mining Corp. Newfield Mine	Allegheny	Freeport	216	292'	1,450	16°	-	Gaseous	-	-	38	290	-	-	7,800*
				56'											
											TOTAL	-	-	10,100	
Consolidation Coal Co. Renton Mine	Allegheny	Double Thick Freeport	84	511'	-	-	-	Gaseous	-	-	78	408	-	17,600	14,000@
HARMAR Coal Co. Harmar Mine	Allegheny	Lo. Freeport	78"	-	575'	14°02"	-	Gaseous	-	-	20	125	-	-	-
					270'	14°02"									
											DISTRICT TOTAL	-	17,600	24,100	

\* Tovex 300  
# Coal Mex ASD 707  
@ Tovex

DISTRICT 6

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral or Height of Seam Inches	Kind of Opening :				Number and Type :				Pounds of Explosives Used		Other Permis- sible (Name)	
				:Shaft:	Slope	:Drift:	:	: Lamps Used :	:	: Ammonium	Dynamite				
				:Depth:	Length:	Degrees:	Drift:	Gaseous:	gaseous:	Open:	Safety:	tric :	Nitrate		
Canon Coal Co. Pitt Gas	Greene	Pittsburgh	72	30'	300'	7°	-	Gaseous	-	-	15	60	-	400	-
Emerald Mines Corp. Emerald Mine No. 1	Greene	Pittsburgh	72	650'	2,100'	16½°	-	Gaseous	-	-	115	500	-	-	150*
Gateway Coal Co. Gateway	Greene	Pittsburgh	72	640'	1,606'	17°	-	Gaseous	-	-	178	662	-	14,000	-
DISTRICT TOTAL													-	14,400	150

Note: \* Re-D-Gel

DISTRICT 7

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral or Height Coal, Coal, or Seam Inches	Kind of Opening :			Number and Type :			Pounds of Explosives Used			Other Permis- sible (Name)		
				: Shaft :	: Slope :	: Drift :	: Lamps Used :	: :	: :	: Ammonium Nitrate :	: Elec- tric :	: Dynamite			
Bethlehem Mines Corp.															
Ellsworth Mine No. 51	Washington	Pittsburgh	69	278'	1,249'	17°	-	Gaseous	-	-	99	470	-	-	1,000#
Somerset Mine No. 60	Washington	Pittsburgh	65	590'	1,270'	17°	-	Gaseous	-	-	115	480	-	-	7,750#
											<b>TOTAL</b>				<b>8,750</b>
U.S. Steel Mining Co., Inc.															
Maple Creek No. 1	Washington	Pittsburgh		410'											
				258'											
				268'											
			63	259'	915'	3°	-	Drift Gaseous	-	-	84	360	-	-	800*
Maple Creek No. 2	Washington	Pittsburgh		251'											
			63	382'	-	-	-	Gaseous	-	-	89	440	-	-	-
											<b>TOTAL</b>				<b>800</b>
											<b>DISTRICT TOTAL</b>				<b>9,550</b>

Note: # Hercogel  
\* R. D. Gel



DISTRICT 8

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average	Kind of Opening :					Number and Type :			Pounds of Explosives Used			
			Mineral or Height	: Shaft:	Slope	: Drift:	:	:	: Lamps Used	:	:	:	Other	Permis-	
			Inches	: Depth:	Length:	Degrees:	Drift:	Gaseous:	gaseous:	Open:	Safety:	tric :	Nitrate	Dynamite (Name)	
Crescent Hills Coal Co., Inc. Crescent-Daisytown	Washington	Pittsburgh	96	-	-	-	Drift	-	Nongase.	-	-	45	-	-	-
Kitt Energy Corp. Clyde Mine	Washington	Pittsburgh	72	-	656'	-	Drift	Gaseous	-	-	70	360	-	-	320*
					635'										
					126'										
					113'										
Tremont Mining Co. Vesta No. 4 - 2 Hill	Washington	Pittsburgh	84	-	-	-	Drift	-	Nongase.	-	3	10	-	-	-
Vesta Mining Co. Vesta Mine	Washington	Pittsburgh	65	570'	-	-	Drift	Gaseous	-	-	209	-	-	100	-
<b>DISTRICT TOTAL</b>													-	100	320

\* Dupont; Tovex Water Gel

DISTRICT 9

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral or Height of Seam Inches	Kind of Opening :				Non-	Number and Type :			Pounds of Explosives Used		Other Permis- sible Ammonium Nitrate Dynamite (Name)	
				Shaft:	Slope	Drift:	:		Lamps Used	:	:	:	Nitrate		Dynamite
Glen Irvan Corp. Bark Camp No. 1	Clearfield	Lo. Kittanning	30	-	-	-	Drift	-	Nongase.	-	10	59	-	-	-
Bark Camp No. 2	Clearfield	Lo. Kittanning	28	-	-	-	Drift	-	Nongase.	-	10	39	-	-	-
Lady Jane Collieries, Inc. Stott No. 1	Clearfield	Lo. Kittanning	36	-	-	-	Drift	-	Nongase.	-	26	-	-	-	6,600
Manor Mining & Contracting Corp. No. 44	Clearfield	Lo. Kittanning	36	-	-	-	Drift	-	Nongase.	-	3	17	-	-	-
DISTRICT TOTAL												-	-	6,600	

DISTRICT 10

		Average													
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
				Depth	Length	Degrees	Drift	Gaseous	gaseous	Open	Safety	tric	Nitrate	Dynamite	
Keystone Coal Mining Corp.															
Emile Mine	Armstrong	Up. Freeport	42	-	-	16°15'	-	Gaseous	-	-	73	245	-	-	2,100*
Emile Mine No. 4	Armstrong	Up. Freeport	39	108'	942'	9°	-	Gaseous	-	-	43	154	-	-	2,700*
Jane Mine	Armstrong	Lo. Freeport	54	-	-	16°15'	-	Gaseous	-	-	126	424	-	-	1,850*
												TOTAL	-	-	6,650
												DISTRICT TOTAL	-	-	6,650

\* Tovex 330

255

DISTRICT 11

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral or Height of Seam Inches	Kind of Opening :				Number and Type :				Pounds of Explosives Used			
				:Shaft:	Slope	:Drift:	:	: Lamps Used	:	:	:	:	Other	Permis- sible	
				:Depth:	Length:	Degrees:	Drift:	Gaseous:	gaseous:	Open:	Safety:	tric :	Nitrate	Dynamite (Name)	
Canterbury Coal Co.															
David Mine	Armstrong	Thick Freeport	108	-	-	-	Drift	Gaseous	-	-	60	140	-	-	2,000*
Di Anne Mine	Armstrong	Lo. Freeport	48	125'	1,150'	6°	-	Gaseous	-	-	30	130	-	-	5,000*
Kaskan Coal Co.															
Kaskan Mine	Armstrong	Up. Freeport	57	-	100'	12°	-	-	Nongase.	-	-	-	-	-	-
Leechburg Mining Co.															
Foster No. 65	Armstrong	Lo. Kittanning	48	45'	120'	16°	Drift	Gaseous	-	-	27	87	-	-	-
Partner Coal Co., Inc.															
Gilmur 1	Westmoreland	Up. Freeport	44	-	-	-	Drift	-	Nongase.	-	2	8	-	2,600	-
T & R Coal															
T & R No. 1	Armstrong	Up. Freeport	40	-	-	-	Drift	-	Nongase.	-	2	12	-	-	-
Tunnelton Mining Co.															
Marion No. 33	Indiana	Up. Freeport	54	525'	965'	16°	-	Gaseous	-	-	70	240	-	-	-
Weimer, James A. Jr.															
Weimer No. 2	Armstrong	Up. Freeport	42	-	-	-	Drift	-	Nongase.	-	3	-	-	1,000	-
<b>DISTRICT TOTAL</b>												-	3,600	7,000	

\* Tovex

DISTRICT 12

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral or Height of Seam Inches	Kind of Opening :				Non- gaseous	Number and Type :			Pounds of Explosives Used			
				Shaft:	Slope	Drift:	:		Lamps Used	:	Flame	Elec-	Ammonium	Other	Permis-
				Depth:	Length:	Degrees:	Drift:	Gaseous:	gaseous:	Open:	Safety:	tric :	Nitrate	Dynamite (Name)	
Crescent Hills Coal Co. Ocean No. 5 Mine	Allegheny	Pittsburgh	72	183'	-	-	Drift	-	Nongase.	-	10	60	-	50	-
Delmont Resources, Inc. Delmont Mine	Westmoreland	Up. Freeport	54	-	-	-	-	-	Nongase.	-	9	37	-	-	-
DISTRICT TOTAL												-	50	-	

DISTRICT 13

Operators and Mines/ or Mine Drainage Permit No.		County	Name of Non- Coal, Coal, or Geological Formation	Average				Kind of Opening :				Number and Type :			Pounds of Explosives Used		Other Permis- sible Ammonium Nitrate Dynamite (Name)
				Mineral :	or Height :	: Shaft:	: Slope	: Drift:	: :	: :	: :	: :	: Lamps Used	: :	: :	: :	
			Seam	Inches	: Depth:	: Length:	: Degrees:	: Drift:	: Gaseous:	: gaseous:	: Non- :	: Flame :	: Elec- :	: Ammonium	: Nitrate	: Dynamite	(Name)
B & M Coal Co.		Greene	Sewickley	44	-	-	-	Drift	-	Nongase.	-	4	15	-	-	-	-
B & M No. 2 Mine		Greene	Sewickley	54	-	-	-	Drift	-	Nongase.	-	5	20	-	-	-	-
Dunkard Mining Co.		Greene	Sewickley	44-48	-	-	-	Drift	-	Nongase.	-	2	-	-	-	-	-
Dunkard Mine		Greene	Sewickley	54	-	-	-	Drift	-	Nongase.	-	1	15	-	-	-	-
Eberhart Coal Co., George R.		Greene	Pittsburgh	76	-	-	-	-	Gaseous	--	-	50	280	-	-	6,000	-
Titus Mine		Greene	Pittsburgh	83	163'	542'	17°	-	-	-	-	100	400	-	-	-	-
Francis Fuel, Inc.		Greene	Pittsburgh	83	332'	789'	15°	-	-	-	-	20	60	-	-	-	-
Francis Fuel		Greene	Pittsburgh	83	521'	-	-	-	Gaseous	-	-	100	400	-	-	-	-
Shannopin Mining Co.		Greene	Pittsburgh	108	--	-	-	Drift	Gaseous	-	-	20	60	-	-	-	-
Shannopin Mine		Greene	Pittsburgh	108	--	-	-	Drift	Gaseous	-	-	20	60	-	-	-	-
U.S. Steel Mining Co., Inc.		Greene	Pittsburgh	108	--	-	-	Drift	Gaseous	-	-	20	60	-	-	-	-
Dilworth Mine		Greene	Pittsburgh	108	--	-	-	Drift	Gaseous	-	-	20	60	-	-	-	-
Mt. Braddock		Fayette	Pittsburgh	108	--	-	-	Drift	Gaseous	-	-	20	60	-	-	-	-
<b>DISTRICT TOTAL</b>														-	-	6,000	-

DISTRICT 14

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Seam Formation	Average Mineral or Height of Seam Inches	Kind of Opening				Number and Type			Pounds of Explosives Used			Other Permis- sible (Name)	
				: Shaft:	Slope	: Drift:	:	: Lamps Used	:	:	: Ammonium	Dynamite	(Name)		
				: Depth:	Length:	Degrees:	Drift:	Gaseous:	gaseous:	Open:	Safety:	tric :	Nitrate	Dynamite	(Name)
Cannel Coal Co. Cannel Mine No. 1	Armstrong	Up. Freeport	120	-	-	-	Drift	-	Nongase.	-	2	4	-	1,000	1,595*
Cooper Valley Coal Co., Inc. Cooper Valley No. 6	Indiana	Up. Freeport	38	-	-	-	Drift	Gaseous	-	-	10	57	-	-	1,600#
Davis Coal Co. Davis Mine	Indiana	Up. Freeport	36	-	400'	-	Drift	-	Nongase.	-	-	-	-	-	-
Doverspike Bros. Coal Co. Dora No. 6	Jefferson	Lo. Kittanning	34	-	200'	9°	-	-	Nongase.	-	11	63	-	100	-
Sugar Camp No. 2	Jefferson	Lo. Kittanning	32	-	-	-	Drift	-	Nongase.	-	3	25	-	-	-
											<b>TOTAL</b>			<b>100</b>	<b>-</b>
Emanuel Coal Co., Inc. No. 1 Mine	Indiana	Brookville	48	-	-	-	Drift	-	Nongase.	-	8	30	-	-	-
Kennedy Coal Co. Mine No. 2	Jefferson	-	26	-	-	-	Drift	-	Nongase.	-	2	7	-	-	-
Knisely Coal Co. Knisely Mine	Jefferson	Lo. Freeport	54	-	-	-	Drift	-	Nongase.	-	2	12	-	100	-
Manor Mines, Inc. Manor No. 8	Indiana	Up. Freeport	38	-	-	-	Drift	-	Nongase.	-	1	3	-	-	-
Plateau Corp. Fairview No. 5	Jefferson	Lo. Freeport	36	-	-	-	Drift	-	Nongase.	-	5	24	-	1,075	326#
											<b>DISTRICT TOTAL</b>			<b>2,275</b>	<b>3,521</b>

\* Electric Blasting Caps  
# Tovex

DISTRICT 15

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral or Height of Seam Inches	Kind of Opening				Number and Type				Pounds of Explosives Used		Other Permis- sible (Name)	
				Shaft	Slope	Drift	Drift	Lamps Used	Open	Safety	Electric	Ammonium Nitrate	Dynamite		
Barnes & Tucker Co. Tanoma	Indiana	Lo. Kittanning	36	180'	752'	15°	-	Gaseous	-	-	14	80	-	-	-
Keystone Coal Mining Corp. Urling No. 1	Indiana	Lo. Freeport	54	332'	1,250'	16°15'	-	Gaseous	-	-	62	183	-	-	550*
Urling No. 2	Indiana	Up. Freeport	40	256'	900'	16°	-	Gaseous	-	-	27	162	-	-	540*
Urling No. 3	Indiana	Lo. Freeport	54	210'	2,800'	8°	-	Gaseous	-	-	40	151	-	-	50*
<b>TOTAL</b>												-	-	1,140	
Mears Coal Co. Chestnut Ridge	Indiana	Lo. Kittanning	42	-	-	-	Drift	-	Nongase.	-	8	36	-	132	180#
Dixon Run No. 3	Indiana	Lo. Kittanning	40	-	-	-	Drift	-	Nongase.	-	1	12	-	80	80#
M & Y	Indiana	Lo. Kittanning	36	-	-	-	Drift	-	Nongase.	-	-	-	-	-	-
<b>TOTAL</b>												-	-	212	260
Mears Enterprises, Inc. Cherryhill No. 5	Indiana	Lo. Kittanning	42	-	-	-	Drift	-	Nongase.	-	3	24	-	-	-
Dixon Run No. 6	Indiana	Lo. Kittanning	42	-	-	-	Drift	-	Nongase.	-	3	24	-	-	-
<b>DISTRICT TOTAL</b>												-	-	212	1,400

Note: \* Tovex  
# Caps



DISTRICT 16

		Average													
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	Dynamite		
			:Depth:	Length:	Degrees:	Drift:	Gaseous:	gaseous:	Open:	Safety:	tric :	Nitrate	Dynamite	(Name)	
Florence Mining Co., The															
No. 1 Mine - Blacklick	Indiana	Lo. Kittanning	68	260'	-	-	Drift	Gaseous	-	-	49	170	-	50	-
Florence No. 2	Indiana	Up. Freeport	72	110'	520'	11°	-	Gaseous	-	-	94	300	-	1,650	-
No. 1 Mine - Robinson	Indiana	Lo. Kittanning	57	325'	1,250'	16°30'	Drift	Gaseous	-	-	95	425	-	855	-
												<b>TOTAL</b>	-	2,555	-
North American Coal Corp., The															
Conemaugh No. 1	Indiana	Lo. Kittanning	54	200'	1,000'	14°	-	Gaseous	-	-	-	-	-	-	-
												<b>DISTRICT TOTAL</b>	-	2,555	-

DISTRICT 17

		Average														
		Mineral	Kind of Opening										Number and Type			
		or	Shaft	Slope		Drift				Lamps Used		Pounds of Explosives Used				
Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Height of Seam Inches	Depth	Length	Degrees	Drift	Gaseous	gaseous	Open	Safety	Flame	Elec	Ammonium Nitrate	Other Permis- sible Dynamite (Name)	
Associated Drilling Co., Inc. Kephart Mine	Clearfield	Middle Kitt.	32	-	-	-	Drift	-	Nongase.	-	12	55	-	-	100#	
Rushton Mining Co. Rushton Mine	Centre	Brookville	55	230'	610	16°	-	Gaseous	-	-	68	256	-	2,900	3,000*	
DISTRICT TOTAL														-	2,900	3,100

Note: # Hercoge A  
\* Caps

DISTRICT 18

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral or Height of Seam Inches	Kind of Opening :				Number and Type :				Pounds of Explosives Used		Other Permis- sible	
				:Shaft:	Slope	:Drift:	:	:Lamps Used	:	: Nitrate	Dynamite (Name)				
				:Depth:	Length:	Degrees:	Drift:	Gaseous:	gaseous:	Open:	Safety:	Elec- tric :	Ammonium		
Barnes & Tucker Co.															
Lancashire 24-B	Cambria	Lo. Kittanning	42	-	1,600'	14°	-	Gaseous	-	-	35	133	-	2,700	-
Lancashire 24-D	Cambria	Lo. Freeport	42	-	800'	14°	-	Gaseous	-	-	45	187	-	2,600	-
											<b>TOTAL</b>			<b>5,300</b>	<b>-</b>
Bethlehem Mines Corp. Mine 32	Cambria	Lo. Kittanning	54	375'											
				545'											
				645'	-	-	-	Gaseous	-	-	65	320	-	11,600	-
											<b>DISTRICT TOTAL</b>			<b>16,900</b>	<b>-</b>

## DISTRICT 19

		Average														
		Mineral	Kind of Opening				Number and Type			Pounds of Explosives Used						
		or	Shaft	Slope	Drift	Lamps Used			Other							
Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Seam	Height of	Inches	Depth	Length	Degrees	Drift	Gaseous	gaseous	Open	Safety	Elec-	Ammonium	Permisi- sible	Dynamite (Name)
Greenwich Collieries, Div. of PA Mines Corp. Mine No. 1	Indiana	Lo. Freeport	42	416'												2,406**
				387'												326*
				455'	-	-	-	Drift	Gaseous	-	-	138	485	-	-	330*
													TOTAL	-	-	3,062
Hillsdale Mining Co. Hillsdale 1	Cambria	Mid. Kittanning	36	-	-	-	-	Drift	-	Nongase.	-	5	15	-	-	-
Inland Steel Coal Co. Lancashire No. 25	Cambria	Lo. Freeport	41	445'	344'	36°	-	Drift	Gaseous	-	-	95	274	-	-	1,500*
													TOTAL	-	-	1,500
													DISTRICT TOTAL	-	-	4,562

\* Tovex

\*\* Gel-Coalite

DISTRICT 20

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral : or : Height : Seam : Inches	Kind of Opening :				Number and Type :			Founds of Explosives Used			Other Permis- sible (Name)		
				: Shaft:	Slope	: Drift:	:	: Lamps Used	:	: Flame	: Elec:	Ammonium	Dynamite			
				Depth:	Length:	Degrees:	Drift:	Gaseous:	gaseous:	Open:	Safety:	tric :	Nitrate			
Greenwich Collieries, Div. of PA Mines Corp. Mine No. 2	Indiana	Lo. Freeport	42	614'	-	-	Drift	Gaseous	-	-	131	496	-	-	326* 330* 15,600#	
															TOTAL	
																- - 16,256
Mears Coal Co. Penn Hill No. 2	Indiana	Lo. Kittanning	42	-	-	-	Drift	-	Nongase.	-	16	53	-	3	3@	
Valley Coal Co. Valley No. 11	Indiana	Lo. Freeport	40	-	-	-	Drift	-	Nongase.	-	8	40	-	-	-	
Valley No. 12	Indiana	Lo. Freeport	42	-	-	-	Drift	-	Nongase.	-	6	34	-	-	-	
Valley No. 14	Indiana	Lo. Freeport	40	-	-	-	Drift	-	Nongase.	-	6	18	-	-	-	
																DISTRICT TOTAL
																- 3 16,259

\* Tovex

\*\* Gel-Coalite Z

@ Caps

DISTRICT 21

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral : or Height : of Seam : Inches	Kind of Opening :				Number and Type :			Pounds of Explosives Used		Other Permis- sible	
				:Shaft:	Slope	:Drift:	:	: Lamps Used	:	:	:	Ammonium Nitrate		Dynamite (Name)
				Depth:	Length:	Degrees:	Drift:	Gaseous:	gaseous:	Open:	Safety:	elec:		
Bethlehem Mines Corp.														
Ehrenfeld Mine 38D	Cambria	Lo. Freeport	36-54	254'	-	-	Drift	Gaseous	-	-	3	275	-	-
Mine 38E	Cambria	Up. Freeport	20-45	-	-	-	Drift	Gaseous	-	-	2	75	-	-
Bird Coal Co.														
Bird No. 2	Somerset	Up. Kittanning	42-44	-	-	-	Drift	Gaseous	-	-	2	4	-	-
Bird No. 3	Cambria	Lo. Kittanning	42-50	-	520'	14°	-	Gaseous	-	-	4	4	-	-
Harmony Mining Co.														
Harmony Mine 1	Cambria	Lo. Freeport	40	-	-	3°	Drift	-	Nongase.	-	15	41	-	-
Jandy Coal Co., Inc.														
Eureka No. 40	Cambria	Up. Kittanning	72	530'	-	-	Drift	Gaseous	-	-	10	.97	-	-
Longwall Mining, Inc.														
Longwall No. 1	Cambria	Up. Kittanning	46	-	-	-	Drift	-	Nongase.	-	20	90	-	-
<b>DISTRICT TOTAL</b>												-	-	-

DISTRICT 22

Operators and Mines/ or Mine Drainage Permit No.	County	Formation	Average Mineral or Height Inches	Kind of Opening :					Number and Type :			Pounds of Explosives Used			Other Permis- sible (Name)		
				:Shaft:	Slope	:Drift:	:	:	:	: Lamps Used	:	:	:	: Ammonium		Nitrate	Dynamite
Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam	Coal, Coal, or of Geological Seam
Bethlehem Mines Mine No. 78	Somerset	Mid. Kittanning	50	-	-	-	Drift	Gaseous	-	-	53	188	-	-	-	-	-
Bloom, Ralph Jr. Bloom No. 1	Somerset	Up. Kittanning	42	-	-	-	Drift	-	Nongase.	-	-	-	-	-	86	-	-
Consolidation Coal Co. Laurel Mine	Somerset	Lo. Kittanning	84	-	1,240'	16°42'	-	Gaseous	-	-	5	15	-	-	-	205*	-
Eureka Coal Co. Eureka Mine No. 35	Somerset	Lo. Kittanning	42	-	-	-	Drift	-	Nongase.	-	2	4	-	-	-	250	-
Hiysota Fuel Co., Inc. Ralphton No. 1	Somerset	Up. Freeport	44	-	-	-	Drift	-	Nongase.	-	12	63	-	-	-	-	-
J & D Mining, Inc. Miller Run No. 1	Somerset	Up. Kittanning	38	-	-	-	Drift	-	Nongase.	-	12	26	-	-	-	-	-
Potochar & Potochar Coal Co. Potochar No. 2	Somerset	Up. Kittanning	37-42	-	-	-	Drift	-	Nongase.	-	1	2	-	-	1,200	-	-
Reitz Coal Co. Reitz Mine 22	Somerset	Lo. Kittanning	36	-	-	-	Drift	-	Nongase.	-	10	50	-	-	-	-	-
Reitz Mine 24	Somerset	Lo. Kittanning	48	-	-	-	Drift	-	Nongase.	-	16	70	-	-	-	-	-
Solar Fuel Co. Mine 5A	Somerset	Up. Freeport	44	-	-	-	Drift	-	Nongase.	-	5	30	-	-	-	-	-
Mine 7	Somerset	Up. Kittanning	-	-	-	-	Drift	-	Nongase.	-	3	6	-	-	-	-	-
Trent Coal Co. Hritz Mine	Somerset	Up. Kittanning	36	-	-	-	Drift	-	Nongase.	-	5	20	-	-	40	-	-
DISTRICT TOTAL												-	-	1,326	455		

\*Tovex

DISTRICT 23

		Average														
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 Ammonium Nitrate Dynamite (Name)		
				Shaft	Slope	Drift		Lamps Used								
G.M. & W. Coal Co., Inc.																
Grove No. 1	Somerset	Up. Kittanning	60	-	-	-	Drift	Gaseous	-	-	50	243	-	6,780	-	
Grove No. 3	Somerset	Up. Freeport	99	-	-	-	Drift	Nongase.	-	-	35	190	-	80	-	
Grove No. 5	Somerset	Up. Kittanning	72	-	-	-	Drift	Nongase.	-	-	10	48	-	-	-	
											<b>TOTAL</b>			<b>6,860</b>		
Hawkview Mining Corp.																
Barbara No. 1	Somerset	Up. Kittanning	50	-	-	-	Drift	Nongase.	-	-	5	35	-	-	-	
Mark Mining, Inc.																
Mark No. 2	Somerset	Lo. Freeport	30	-	-	-	Drift	Nongase.	-	-	8	40	-	250	-	
Reitz Coal Co.																
Mine 25	Somerset	Lo. Kittanning	72	-	-	-	Drift	Nongase.	-	-	14	76	-	-	-	
Solar Fuel Co.																
Mine No. 9	Somerset	Up. Freeport	44	-	-	-	Drift	Nongase.	-	-	8	36	-	-	-	
Mine No. 10	Somerset	Up. Kittanning	34	-	-	-	Drift	Nongase.	-	-	14	58	-	-	-	
Spewock, Theodore																
Clark Hollow	Westmoreland	Lo. Freeport	48	-	250'	-	-	Nongase.	-	-	2	2	-	50	-	
											<b>DISTRICT TOTAL</b>			<b>7,160</b>		



DISTRICT 24

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral or Height Seam Inches	Kind of Opening :				Number and Type :				Pounds of Explosives Used			
				Shaft	Slope	Drift	Other	Lamps Used	Open	Safety	Flame	Electric	Ammonium Nitrate	Dynamite (Name)	
Barnes & Tucker Co. Lancashire No. 20	Cambria	Lo. Kittanning	55	-	1,600'	14°	-	Gaseous	-	-	60	152	-	900	-
Bethlehem Mines Corp. Mine 33	Cambria	Up., Lo. Kitt.	-	801'											
				640'											
				666'											
				451'											
				475'	3,000'	170°	-	Gaseous	-	-	161	966	-	46,560*	-
Stella Maris, Coal Co. Stella Maris	Cambria	Lo. Kittanning	48	401'	-	-	Drift	-	Nongase.	-	1	1	-	100#	152
<b>DISTRICT TOTAL</b>													-	<b>47,560</b>	<b>152</b>

Note: \* DuPont  
# Austin No. 11

DISTRICT 25

		Average													
		Mineral	Kind of Opening				Number and Type				Pounds of Explosives Used				
		or	Shaft	Slope	Drift	Lamps Used		Safety		Nitrate		Dynamite		Other	
Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Height of Seam Inches	Depth	Length	Degrees	Drift	Gaseous	gaseous	Open	Flame	Elec	Ammonium	Permis- sible	(Name)
Helen Mining Co., The Homer City Mine	Indiana	Up. Freeport	46	620'	2,700'	16°	-	Gaseous	-	-	140	520	-	-	700#
Helvetia Coal Co. Lucerne No. 6	Indiana	Up. Freeport	48-72	636'	2,100'	16°15'	-	Gaseous	-	-	150	510	-	8,100@	7,200*
Lucerne No. 8	Indiana	Up. Freeport	42	-	338'	16°15'	-	Gaseous	-	-	44	163	-	600@	1,050*
Lucerne No. 9	Indiana	Lo. Freeport	42	-	285'	16°	-	Gaseous	-	-	59	217	-	600@	600*
												<b>TOTAL</b>	-	<b>9,300</b>	<b>8,850</b>
												<b>DISTRICT TOTAL</b>	-	<b>9,300</b>	<b>9,550</b>

# Amos Dalby  
@ Caps  
\* Tovex

DISTRICT 26

Operators and Mines/ or Mine Drainage Permit No.	County	Name of Non- Coal, Coal, or Geological Formation	Average Mineral or Height of Seam Inches	Kind of Opening				Number and Type				Pounds of Explosives Used		Other Permis- sible (Name)	
				:Shaft:	Slope	:Drift:	:	: Lamps Used	:	:	:	: Ammonium	Dynamite		
			Depth:	Length:	Degrees:	Drift:	Gaseous:	gaseous:	Open:	Safety:	tric :	Nitrate			
Bethlehem Mines Corp. Marianna Mine	Washington	Pittsburgh	68	460'	-	-	-	Gaseous	-	-	123	525	-	542	-
Consolidation Coal Co. Westland No. 2 Mine	Washington	Pittsburgh	60	-	-	-	-	Gaseous	-	-	37	143	-	-	96*
Mathies Coal Co. Mathies Mine	Washington	Pittsburgh	66	-	-	-	-	Gaseous	-	-	170	700	-	-	-
DISTRICT TOTAL												-	542	96	

\*Tovex