

GEOGRAPHICAL TABLE

DISTRICT 1

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift	Gas	Non- Gas	Number and Type Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)
				Shaft	Slope					Open	Flame	Elec- tric	Ammonium Nitrate	Dynamite	
					Depth	Length									
Cyprus Emerald Resources Corp. Emerald Mine No. 1	Greene	Pittsburgh	72	655'	2,200'	16½°	-	Gas.	-	-	125	450	-	-	3,000*
U.S. Steel Mining Co., Inc. Cumberland Mine	Greene	Pittsburgh	78	749'	2,577'	160°	-	Gas.	-	-	105	350	-	-	-
				695'											
				716'											
				724'											
				672'											
				671'											
			78	744'	2,194'	17'									
DISTRICT TOTAL												-	-	3,000	

Note: Redi-Gel

DISTRICT 2

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift Drift	Gas- eous	Non- Gas- eous	Number and Type Lamps Used		Pounds of Explosives Used			
				Shaft Depth	Slope					Flame Open	Elec- Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
					Length	Degrees									
Consolidation Coal Co. Bailey Mine	Greene	Pittsburgh 8	78	571'	2,150	140	-	Gas.	-	-	75	425	-	-	2,500*
Consol Pa. Coal Co. Bailey No. 2(a)	Greene	Pittsburgh 8	-	-	-	-	-	-	-	-	-	-	-	-	-
Beth Energy Mines, Inc. Mine No. 84	Washington	Pittsburgh	66	305' 590'	1,270	170	-	Gas.	-	-	85	480	-	-	1,500*
DISTRICT TOTAL												-	-	4,000	

Note: * Tovex
(a) Mine under construction.

DISTRICT 3

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift	Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		
				Shaft	Slope					Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
					Depth	Length									Degrees
B & M Coal Co. B & M Mine No. 2	Greene	Sewickley	52	-	-	-	Drift	-	Nongas.-	6	15	-	-	-	
Dunkard Mining Co. Dunkard Mine	Greene	Sewickley	60	-	-	-	Drift	Gas.	-	11	30	-	-	-	
Duquesne Light Co. Warwick No. 3 Mine	Greene	Sewickley	54	-	-	-	Drift	Gas.	-	66	261	-	250	-	
Eberhart, George Titus Mine	Greene	Sewickley	48	-	-	-	Drift	-	Nongas.-	-	-	-	-	-	
Little Falls Mining Co., Inc. Meadow Run Mine	Greene	Sewickley	48	-	-	-	Drift	-	Nongas.-	4	-	-	-	-	
Red Bone Mining Co., Inc. Mathews Mine	Greene	Sewickley	45	-	-	-	Drift	-	Nongas.-	5	13	-	-	-	
Shannopin Mining Co. Shannopin Mine	Greene	Pittsburgh	76	-	-	-	-	Gas.	-	50	260	-	7,000	-	
Target Industries, Inc. Target No. 1	Greene	Sewickley	55	-	-	-	Drift	-	Nongas.-	10	35	-	350	-	
Tri-Ent, Inc. Bren-Mar Mine	Greene	Sewickley	48	-	-	-	Drift	-	Nongas.-	4	14	-	-	-	
DISTRICT TOTAL													-	7,600	-

DISTRICT 4

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift	Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)
				Shaft Depth	Slope					Flame Open	Elec- tric	Ammonium Nitrate	Dynamite		
					Length	Degrees									
Consolidation Coal Co. Dilworth Mine	Greene	Pittsburgh	84	609' 521' 333' 161' 618'	789	16°	-	Gas.	-	-	80	390	-	-	-
Dynamic Recovery, Inc. Pitt Gas	Greene	Pittsburgh	72	30'	300	7	-	Gas.	-	-	10	25	-	-	-
Farkus Coal Co. Vesta No. 4 2 Hill	Washington	Pittsburgh	84	-	-	-	Drift	Gas.	-	-	3	6	-	-	-
Gateway Coal Co. Gateway Mine	Greene	Pittsburgh	72	467' 640'	1@ 403 1@ 606	17°	-	Gas.	-	-	100	300	-	1,400	-
Interstate Energy Conversion Corp. Clyde Mine	Washington	Pittsburgh	72	-	-	-	Drift	Gas.	-	-	5	20	-	-	-
DISTRICT TOTAL												-	1,400	-	

DISTRICT 5

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift	Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		
				Shaft		Slope				Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
				Depth	Length	Degrees									
Capin Mining Co. Ocean 5 Mine	Allegheny	Pittsburgh	60	*	220'	-	Drift	Gas.	-	-	8	40	-	-	-
Helen Mining Co., The Homer City Jedco Minerals, Inc.	Indiana	Upper Freeport	46	620'	2,700'	16½°	Drift	Gas.	-	140	520	-	-	-	326#
Ocean 5 Mine	Allegheny	Pittsburgh	60	*	220'	-	Drift	Gas.	-	-	8	40	-	-	-
Tunnelton Mining Co. Marion Mine	Washington	Up. Freeport	48-60	263' 525'	980'	16°30'	Drift	Gas.	-	90	285	-	-	-	-
DISTRICT TOTAL												-	-	326	

Note: * Smalis
Tovex

DISTRICT 6

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift	Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		
				Slope		Drift				Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
				Depth	Length										Degrees
Mathies Coal Co. Mathie's Mine	Washington	Pittsburgh	66	-	-	-	Drift	Gas.	-	-	170	450	-	-	-
U.S. Steel Mining Co., Inc. Maple Creek Mine	Washington	Pittsburgh	63	410'											
				259'											
				268'											
				250'	915'	3°	Drift	Gas.	-	-	90	400	-	-	-
DISTRICT TOTAL															

DISTRICT 7

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift	Gas	Non- Gas	Number and Type Lamps Used			Pounds of Explosives Used				
				Shaft	Slope					Drift	Gas	Non- Gas	Flame	Elec	Ammonium		Other Permis- sible (Name)
					Depth	Length									Degrees	Nitrate	
Helvetia Coal Co.																	
Lucerne No. 8	Indiana	U. F.	51	88	338'	16° 15'	-	Gas.	-	-	45	162	-	-	-	240e	
Lucerne No. 9	Indiana	L. F.	66	-	285'	160'	-	Gas.	-	-	45	45	-	-	-	120e	
												TOTAL	-	-	-	605	
Penn Hills Energy, Inc.																	
Newfield Mine	Allegheny	Double Freeport	84	300	1,600'	15°	-	Gas.	-	-	8	58	-	-	-	-	
												DISTRICT TOTAL	-	-	-	605	

Note: e Tovex
* Caps

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 8

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Number and Type Lamps Used				Pounds of Explosives Used		
				Shaft		Slope		Drift	Gas-	Non-	Lamps Used		Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
				Depth	Length	Degrees	Drift	eous	eous	Open	Flame	Elec- tric			
Beth Energy Mines, Inc. Fawn Mine No. 91	Butler	Upper Freeport	52	-	-	-	Drift	Gas.	-	-	26	26	-	575#	-
Canterbury Coal Co. DiAnne Mine	Armstrong	Lo. Kittanning	50	125'	1,150'	10°	-	Gas.	-	-	30	70	-	800#	-
David Mine	Armstrong	Thick Freeport	108	-	-	-	Drift	Gas.	-	-	20	40	-	100#	-
TOTAL												-	1,475	-	
Creighton Hills Coal Co., Inc. Carol Mine	Butler	Upper Freeport	-	-	-	-	Drift	Gas.	-	-	4	7	-	-	-
Loyal Creek Coal Loyal Creek No. 4	Armstrong	Upper Freeport	48	-	-	-	Drift	- Nongas.	-	-	2	12	-	-	-
Penn Allegh Coal Co., Inc. Allegh. No.2 & Portal No.3	Allegheny	Upper Freeport	52	-	-	-	Drift	Gas.	-	-	50	200	-	-	-
Triple K Coal Co. Triple K Mine	Armstrong	Upper Freeport	57	-	-	-	Drift	- Nongas.	-	-	3	6	-	-	-
DISTRICT TOTAL												-	1,475	-	

Note: # Tovex

DISTRICT 9

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift	Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used			
				Shaft Depth	Slope					Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)		
					Length	Degrees									Open	Safety
Keystone Coal Mining Corp.																
Emilie	Armstrong	Up. Freeport	42	245'	16°	-	Gas.	-	70	273	-	-	500#			
Emilie No. 4	Armstrong	Up. Freeport	42	108'	942'	9°	-	Gas.	-	39	138	-	-			
Jane	Armstrong	Lo. Freeport	54	335'	16°	-	Gas.	-	68	254	-	-	750#			
											TOTAL-	-	-	1,250		
											DISTRICT TOTAL	-	-	1,250		

Note: # Tovex

DISTRICT 10

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift	Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)
				Shaft	Slope					Flame	Elec-	Ammonium	Nitrate		
					Depth	Length								Degrees	
Carpentertown Coal & Coke Co. Mahoning Creek No. 2	Armstrong	Up. Freeport	32	-	-	-	Drift	-	Nongas	-	30	90	-	-	-
Darmac Associates Corp. Adobe No. 1	Butler	Brookville	40				Drift	-	Nongas	-	10	50	-	-	-
Adobe No. 2	Butler	Brookville	42				Drift	-	Nongas	-	10	50	-	-	-
Chicora No. 1	Butler	Up. Freeport	48				Drift	-	Nongas	-	10	50	-	-	-
Doverspike Bros. Coal Co. Distant Mine	Jefferson	(A)	-	-	-	-	-	-	*Nongas	-	-	-	-	-	-
Keystone Coal Mining Corp. Marget No. 11(a)	Armstrong	(A)	-	-	-	-	-	-	*Nongas	-	-	-	-	-	-
Lin-Son Coal Co. Cannel No. 1	Armstrong	(A)	-	-	-	-	-	-	*Nongas	-	-	-	-	-	-
Nats Creek Mining Spaces Corner	Armstrong	Freeport	42	-	-	-	-	-	Nongas	-	11	30	-	-	-
Rosebud Mining Co. Rosebud No. 3	Armstrong	(A)	-	-	-	-	-	-	*Nongas	-	-	-	-	-	-
DISTRICT TOTAL												-	-	-	

Note: (A) Unknown no annual received from operator.
* Estimated

DISTRICT 11

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift Drift	Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used			
				Shaft		Slope				Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)		
				Depth	Length	Degrees									Open	Safety
Keystone Coal Mining Corp.																
Urling No. 1 Mine	Indiana	Lower Freeport	54	332'	1,250'	16°15'	-	Gas.	-	-	75	271	-	-	-	77*
Urling No. 2 Mine	Indiana	Up. Freeport	41	256'	900'	16°	-	Gas.	-	-	-	-	-	-	-	-
Urling No. 3 Mine	Indiana	Lower Freeport	54	209'	2,800'	4°	-	Gas.	-	-	39	154	-	-	-	150*
												TOTAL	-	-	-	227
												DISTRICT TOTAL	-	-	-	227

Note: * Tovex

DISTRICT 12

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Number and Type Lamps Used			Pounds of Explosives Used			
				Shaft		Slope		Drift	Gas	Non- Gas	Flame	Elec- tric	Ammonium		Other
				Depth	Length	Degrees	Drift	eous	eous	Open	Safety	tric	Nitrate	Dynamite	(Name)
Darmac Associates Darmac No. 1	Armstrong	Up. Freeport	32	-	-	-	Drift	Gas.	-	-	10	60	-	-	-
Mears Enterprises, Inc. Bear Run No. 2	Indiana	Clarion	46	-	-	-	Drift	- Nongas.	-	-	8	30	-	915	-
Crooked Creek No. 2	Indiana	Lo. Freeport	32	-	-	-	Drift	- Nongas.	-	-	4	12	-	-	-
											TOTAL		-	915	-
Tanoma Mining Co., Inc. Tanoma Mine	Indiana	Lo. Kittanning	38	180'	752'	15°	-	Gas.	-	-	49	266	-	129	-
											DISTRICT TOTAL		-	1,044	-

DISTRICT 13

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift	Gas Drift	Non- Gas eous	Number and Type Lamps Used			Pounds of Explosives Used			Other Permis- sible (Name)
				Shaft	Slope					Open	Flame	Elec- tric	Ammonium		Dynamite	
					Depth	Length							Degrees	Nitrate		
Florence Mining Co., The Heshbon Mine	Indiana	(A)	-	-	-	-	-	*Nongas	-	-	-	-	-	-	-	
Helvetia Coal Co. Lucerne No. 6 Mine	Indiana	(A)	-	-	-	-	-	*Nongas	-	-	-	-	-	-	-	
Valley Coal Co. Valley No. 11	Indiana	Lo. Freeport	42	-	-	-	Drift	-	Nongas	-	8	32	-	-	-	
Valley No. 14	Indiana	Lo. Freeport	42	-	-	-	Drift	-	Nongas	-	-	-	-	-	-	
Valley No. 16	Indiana	Lo. Freeport	38	-	-	-	Drift	-	Nongas	-	6	24	-	-	-	
Leanard Run Mine	Indiana	(A)	-	-	-	-	-	*Nongas	-	-	-	-	-	-	-	
DISTRICT TOTAL												-	-	-		

Note: (A) Unknown no annual received from operator.

* Estimated

DISTRICT 14

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening						Number and Type Lamps Used			Pounds of Explosives Used					
				Shaft		Slope		Drift	Gas- eous	Non- Gas- eous	Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)			
				Depth	Length	Degrees	Drift									Open	Safety	tric
Beth Energy Mines, Inc. Cambria Slope Mine 33	Cambria	Up. Kittanning	36-48	820														
		Lo. Kittanning	42-60	628														
				640														
				801														
				451														
				475														
				660	3,000'	170	-	Gas.	-	-	300	800	-	-	-	-	-	6,400@
												TOTAL	-	-	-	-	-	6,400
												DISTRICT TOTAL	-	-	-	-	-	6,400

Note: @ Austin Powder Coalmex

DISTRICT 15

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift	Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used			
				Shaft Depth	Slope					Drift	Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
					Length	Degrees										
Hillsdale Mining Co. Hillsdale No. 1	Cambria	Mid. Kittanning	36	-	-	-	Drift	-	Nongas.	-	4	15	-	-	-	
Penna. Mines Corp./Rochester and Pittsburgh Coal Co. Greenwich No. 2 580 Portal	Indiana	Lo. Freeport	51	408'	-	-	Drift	Gas.	-	-	75	267	-	131	*	
Greenwich No. 2 S. Portal	Indiana	Lo. Freeport	47	624'												
				493'												
				416'												
				642'												
				512'	-	-	Drift	Gas.	-	-	89	313	-	44	*	
												TOTAL	-	175	*	
												DISTRICT TOTAL	-	175	*	

Note: * Atlas 7-D

DISTRICT 16

Operators and Mines/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Drift	Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		
				Shaft		Slope		Drift				Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
				Depth	Length	Degrees	Drift										Open
Doverspike Bros. Coal Co.																	
Dora No. 6	Jefferson	L. K.	26	-	200	9°	-	-	Nongas.-	28	-	-	-	-	-	-	-
Sugarcamp No. 2	Jefferson	L. K.	37	-	-	-	Drift	-	Nongas.-	20	40	-	-	200	-	-	-
										TOTAL				-	200	-	-
Kennedy Coal Co.																	
No. 2 Mine	Jefferson	U. F.	28	-	-	-	Drift	-	Nongas.-	-	-	-	-	-	-	-	-
Kniseley Coal Co.																	
Kniseley Mine	Jefferson	L. F.	54	-	-	-	Drift	-	Nongas.-	3	6	-	-	-	-	-	-
Manor Mining & Contracting Co.																	
Manor Mine No. 44	Clearfield	L. K.	36	-	-	-	Drift	-	Nongas.-	4	14	-	-	-	-	-	-
Rushton Mining Co.																	
Ruston Mine	Centre	Brookville	55	-	610	16°	-	Gas.	-	68	270	-	-	125	125	125	125
										DISTRICT TOTAL				-	325	125	125

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/ or Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift	Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		
				Shaft	Slope					Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
					Depth	Length									Degrees
Beth Energy, Inc. Mine No. 78	Somerset	M. K.	48	-	-	-	Drift	Gas.	-	-	3	50	-	-	-
Bird Coal Co. Bird No. 2	Somerset	U. K.	42-44	-	-	-	Drift	Gas.	-	-	2	4	-	-	-
Bird No. 3	Cambria	L. K.	42-50	-	520'	20%	-	Gas.	-	-	2	2	-	-	-
Florence Mining Co., The Florence No. 2	Indiana	L. U. F.	42 72	393' 110'	940' 520'	2°-52° 11°	-	Gas.	-	-	94	300	-	-	-
Longwall Mining, Inc. Longwall No.	Cambria	U. K.	46	-	-	-	Drift	- Nongas.-	-	-	4	9	-	-	-
Trent Coal, Inc. Rice No. 2	Cambria	L. F.	40	-	-	-	Drift	- Nongas.-	-	-	9	25	-	-	-

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 18

Operators and Mines/ r Surface Mine Permit No.	County	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening			Drift	Gas- eous	Non- Gas- eous	Number and Type Lamps Used		Pounds of Explosives Used		
				Slope		Drift				Open	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
				Depth	Length									
Gemini Mining Corp. Solar No. 10	Somerset	U. K.	36	-	-	-	Drift	-	Nongas.-	10	35	-	-	-
J & D Mining, Inc. Miller Run No. 2	Somerset	U. K.	38-40	-	-	-	Drift	-	Nongas.-	10	30	-	-	-
Lion Mining Co. Grove No. 1 Mine	Somerset	U. K.	48	-	-	-	Drift	Gas.	- -	15	60	-	-	-
Hawkview Mining Corp. Barbara No. 1	Somerset	U. K.	43	-	-	-	Drift	-	Nongas.-	18	59	-	-	-
Mountain Top Mining, Inc. Klristy No. 1	Somerset	U. K.	34	-	-	-	Drift	-	Nongas.-	2	6	-	-	-
Pelesmitco, Inc. Pelesmitco No. 1	Somerset	U. K.	73	-	-	-	Drift	-	Nongas.-	7	28	-	-	-
Quemahoning Collieries Mine No. 1	Somerset	U. K.	32-36	28'	-	-	Drift	-	Nongas.	2	6	-	500	-
Reitz Coal Co. Camp Hamilton No. 24	Somerset	L. K.	42	-	-	-	Drift	-	Nongas.-	-	-	-	-	-
Delta No. 25	Somerset	L. K.	72	-	-	-	Drift	-	Nongas.-	-	-	-	-	-
Solar Fuel Co., Inc. Solar No. 7	Somerset	U. K.	46	-	-	-	Drift	Gas.	- -	15	70	-	150	-
DISTRICT TOTAL												-	650	-

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