

ERIE COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used			No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite	Other Permis- sible (Name)			
Arneman, Martin W. 25820311	None-gravel	10	-	-	-	-	-	
Bedrock Sand & Gravel 2579302	None-sand/gravel	30	-	-	-	13	-	
Briggs Construction 276-76	None-gravel	35	-	-	-	-	-	
Burdick, Ronald F. 25870805-01	None-gravel	30	-	-	-	1	-	
Central Sand & Gravel 3-01798	None-sand/gravel-bank	-	-	-	-	2	-	
Erie Aggregate, Inc. 3173SM11	None-sand/gravel, glacial	30	-	-	-	6	-	
Fenton, C. B. 25870301	None-aggregate	-	-	-	-	-	-	
Franklin Township 25860301	None-gravel	20	-	-	-	6	-	
Ganzer Sand & Gravel 3076SM2	None-sand/gravel	-	-	-	-	5	-	
Glover, James H. 25870302	None-gravel	-	-	-	-	-	-	
Grubbs, Elwood M. 3174SM6	None-gravel	20	-	-	-	1	-	
Kress, Gilbert 25870804	None-gravel	25	-	-	-	1	-	
Kuhl, Walter 3-01974	None	25	-	-	-	-	-	
McKean Sand & Gravel, Inc. 25820314	None-sand/gravel	15	-	-	-	2	-	
McMolezm & Son 2584311-01	None	15	-	-	-	1	-	
Maybro Asphalt Co. 3076SM11(a)	None-gravel	-	-	-	-	3	-	
Nicholson, Adam 4-00251	None-gravel/bank	15	-	-	-	-	-	
Northwest Gravel Co. 4876SM8	None-sand/gravel	20	-	-	-	4	-	
2082035	None-sand/gravel	8	-	-	-	4	-	

ERIE COUNTY (Continued)

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used			No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite	Other Permis- sible (Name)			
Orton, Edward 25843081	None-sand/gravel	21	-	-	-	2	-	-
Pfadt, John 25820302	None-gravel	40	-	-	-	1	-	-
Richte, William & Bileen 25810303	None-sand/gravel	23	-	-	-	11	-	-
25800301	None-sand/gravel	24	-	-	-	11	-	-
Robinson, Paul R. 25830302	None-gravel/bank	20	-	-	-	3	-	-
Sibleyville Land & Gravel 25800306-01-1	None-gravel & fill	-	-	-	-	-	-	-
Tomcho, Joseph M. & Son 4876SM14	None-gravel-bank	10	-	-	-	3	-	-

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Out-of- State Markets	Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets			
Arneman, Martin W. 25820311	-	-	1,909	10	-	1,909	-	1,909	
Bedrock Sand & Gravel 2579302	-	-	140,000	200	-	140,000	-	140,000	
Briggs Construction 276-76	-	-	1,750	60	-	1,750	-	1,750	
Burdick, Ronald F. 25870805-01	-	-	2,000	20	-	2,000	-	2,000	
Central Sand & Gravel 3-01798	-	-	-	-	-	-	-	-	
Erie Aggregate, Inc. 3173SM11	-	-	267	183	-	267	-	267	
Fenton, C. B. 25870301	-	-	10,290	220	-	10,290	-	10,290	
Franklin Township 25860301	-	-	35,791	60	-	35,791	-	35,791	

ERIE COUNTY (Continued)

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State Markets	
Ganzer Sand & Gravel 3076SM2	-	-	53,448	180	-	53,448	-	53,448
Glover, James H. 25870302	-	-	2,160	-	-	2,160	-	2,160
Grubbs, Elwood M. 3174SM6	-	-	5,665	140	-	5,665	-	5,665
Kress, Gilbert 25870804	-	-	1,500	-	-	1,500	-	1,500
Kuhl, Walter 3-01974	-	-	6,055	93	-	6,055	-	6,055
McKean Sand & Gravel, Inc. 25820314	-	-	23,550	84	-	23,550	-	23,550
McMolmsz & Son 2584311-01	-	-	2,000	20	-	2,000	-	2,000
Maybro Asphalt Co. 3076SM11(a)	-	-	-	138	-	-	24,608	-
Nicholson, Adam 4-00251	-	-	637	-	-	-	-	637
Northwest Gravel Co. 4876SM8	-	-	45,500	272	-	45,500	-	45,500
2082035	-	-	6,000	30	-	6,000	-	6,000
Orton, Edward 25843081	-	-	-	215	-	-	-	-
Pfadt, John 25820302	-	-	2,285	-	-	2,285	-	2,285
Richte, William & Eileen 25810303	-	-	7,000	20	-	7,000	-	7,000
25800301	-	-	18,500	30	-	18,500	-	18,500
Robinson, Paul R. 25830302	-	-	1,800	-	-	1,800	-	1,800
Sibleyville Land & Gravel 25800306-01-1	-	-	27,069	75	-	27,069	-	27,069
Tomcho, Joseph M. & Son 4876SM14	-	-	500	-	-	500	-	500

FAYETTE COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used			Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite					
Allan R. Fiore, Inc. 266810301a	None-sand/gravel	15	-	-	-	2	-	-	
Ames, A. A. 27840601	None-sandstone	8	-	-	-	3	-	-	

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State Markets	
Allan R. Fiore, Inc. 266810301a	-	-	3,000	110	-	3,000	-	3,000
Ames, A. A. 27840601	-	-	15,405	125	-	15,405	-	15,405

FOREST COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used			Other Permis- sible (Name)	No. of Em- ploys	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite					
Tionesta Sand & Gravel 27820301	None-sand/gravel	50	-	-	-	2	-	-	

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State	
Tionesta Sand & Gravel 27820301	-	-	14,786	51	-	14,786	-	14,786

FRANKLIN COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used			Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium	Dynamite					
			Nitrate						
R. & A. Bender, Inc. 4-00146	None-slate	35	-	-	-	2	-	-	
Chamberlin, Jay E. 6477SM8	None-shale	-	-	-	-	1	-	-	
Grove Mfg. Co. 6476SM5-01-1	None-shale	5	-	-	-	3	-	-	
Gsell, Fulton L. 6478NC	None	4	-	-	-	8	-	-	
Kohl, Jr., John C. 4-00779	None-slate	8	-	-	-	2	-	-	
Keshner & Son 3-02363	None-fill/slate	40	-	-	-	8	-	-	
Martin, David H. 6476SM14	None-shale	10	-	-	-	6	-	-	
May & Co., Inc. 4-01041	None-shale	8	-	-	-	1	-	-	
P. & W. Excavating 6477SM1-1a	None-shale	-	-	-	-	-	-	-	
R. & D. Contractors 6476SM13	None-shale	6	-	-	-	5	-	-	
Starliper, Earl C. 4-00210	None	-	-	-	-	-	-	-	
Sunny hill Development 6476SM26	None-slate	150	-	-	-	1	-	-	
Timmons, Guy S. 28850804	None-shale	8	-	-	-	5	-	-	
Valley Quarries, Inc. 50074SM1	Stonehenge	800	1,160,000	129,000	-	28	-	3	
50074SM2	Antietam	600	397,000	44,000	-	15	-	-	
50074SM3	Quaternary alluvium	10	-	-	-	13	-	1	
6477SM8	St. Paul	-	-	-	-	-	-	-	
Weller, Donald L. 4-00708	None	-	-	-	-	-	-	-	

FRANKLIN COUNTY (Continued)

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market				Days Worked	Tonnage of Minerals Shipped to			
	By Rail	By Water	By Truck			Foreign Markets	In-State Markets	Out-of- State	Total Production
R. & A. Bender, Inc. 4-00146	-	-	-		12	-	-	-	-
Chamberlin, Jay E. 6477SM8	-	-	-		53	-	-	-	-
Grove Mfg. Co. 6476SM5-01-1	-	-	-		-	-	-	-	-
Gsell, Fulton L. 6478NC	-	-	16,000		180	-	12,000	4,000	16,000
Kohl, Jr., John C. 4-00779	-	-	1,900		40	-	1,900	-	1,900
Keshner & Son 3-02363	-	-	15,402		130	-	15,402	-	15,402
Martin, David H. 6476SM14	-	-	1,008		200	-	4,500	-	1,008
May & Co., Inc. 4-01041	-	-	600		10	-	600	-	600
P. & W. Excavating 6477SM1-1a	-	-	800		4	-	800	-	800
R. & D. Contractors 6476SM13	-	-	3,300		30	-	3,300	-	3,300
Starliper, Earl C. 4-00210	-	-	-		90	-	-	-	-
Sunny hill Development 6476SM26	-	-	1,360		3	-	350	-	1,360
Timmons, Guy S. 28850804	-	-	1,250		20	-	1,250	-	1,250
Valley Quarries, Inc. 50074SM1	-	-	669,000		193	-	663,000	6,000	669,000
50074SM2	-	-	218,000		196	-	166,000	30,000	218,000
50074SM3	-	-	193,000		151	-	150,000	20,000	193,000
6477SM8	-	-	1,000		-	-	1,000	-	1,000
Walls Bros. Salvage 28830301	-	-	8,472		-	-	-	-	8,742
Weller, Donald L. 4-00708	-	-	-		20	-	20,000	-	-

FULTON COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used			Other Permis- sible (Name)	No. of Em- ploys	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite					
H. B. Mellott Estate, Inc.									
4273SM1A	Tonoloway	150	233,845	2,925	-	7	-	4	
6577SM2	Beekmantown	60	-	-	-	-	-	-	
4272M2	Oriskany	30	-	-	-	3	-	-	
P. & W. Excavating, Inc.									
6577SM3a	None-shale	-	-	-	-	-	-	-	

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State Markets	
H. B. Mellott Estate, Inc.								
4273SM1A	-	-	329,040	250	-	329,040	-	329,040
6577SM2	-	-	-	Temporarily Inactive	-	-	-	-
4272M2	-	-	18,073	50	-	18,073	-	18,073
Hill, Robert A. 29860801	-	-	1,650	25	-	1,650	-	1,650
P. & W. Excavating, Inc. 6577SM3a	-	-	800	4	-	800	-	800

HUNTINGDON COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Founds of Explosives Used		Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite				
Marks Bros. 4-00384	None-shale	15	-	-	-	4	-	-
U. S. Silica Co. 4275SM20a	Oriskany	375	145,000	2,500	11,362	112	-	2
Warner Co. - Union Furnace 4275SM19	Cambria/Ordovician	200	150,510	8,749	-	17	-	-

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State	
Marks Bros. 4-00384	-	-	1,745	25	-	-	-	1,745
U. S. Silica Co. 4275SM20a	225,304	-	410,456	240	40	568,746	-	66,974
Warner Co. - Union Furnace 4275SM19	-	-	372,500	142	-	372,500	-	354,931

INDIANA COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used		Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite				
Jennings-Hellms Truck 4-00782	None-sandstone	12	-	-	-	10	-	-
R. D. Johnson & Sons 4-00793	None-sandstone	29	-	-	-	2	-	-
Silverd Bros. Coal Co. 4-00863	None-shale	-	-	-	-	-	-	-
4-008639	None-shale	6	-	-	-	-	-	-

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Out-of- State Markets	Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	State		
Jennings-Hellms Truck 4-00782	-	-	-	50	-	600	-	-	
R. D. Johnson & Sons 4-00793	-	-	-	-	-	-	-	-	
Silverd Bros. Coal Co. 4-00863	-	-	-	6	-	-	-	-	
4-008639	-	-	-	6	-	-	-	-	

JEFFERSON COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used			Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite					
The Brockway Clay Co. 38A77SM4	None-clay	8	-	-	-	2	-	-	
Fitzsimmons, Glen E. 33870802-01	None	-	-	-	-	-	-	-	
Glenn, David P. 3872SM12	None-sandstone	50	-	-	-	5	-	-	
Glover, Daniel 33860810	Shale	8	-	-	-	-	-	-	
Marie Sam 3360818	None-shale	10	-	-	-	1	-	-	
Quinn, Russell 38A76SM8	None-sand/gravel	15	-	-	-	2	-	-	

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State Markets	
The Brockway Clay Co. 38A77SM4	-	-	-	244	-	-	-	-
Fitzsimmons, Glen E. 33870802-01	-	-	-	-	-	-	-	-
Glenn, David P. 3872SM12	-	-	34,400	80	-	34,400	-	34,400
Glover, Daniel 33860810	-	-	-	-	-	1,180	-	1,180
Marie Sam 3360818	-	-	-	100	-	1,500	-	-
Quinn, Russell 38A76SM8	-	-	12,000	120	-	12,000	-	12,000

JUNIATA COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used			Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite					
Jay Fulkroad & Sons, Inc. 3-01683	None-shale	-	-	-	-	10	-	-	
McKnight, Carl M. 34820301	None-shale	100	-	-	-	-	-	-	

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State Markets	
Jay Fulkroad & Sons, Inc. 3-01683	-	-	330,936	175	-	330,936	-	330,936
McKnight, Carl M. 34820301	-	-	-	-	-	500	-	-

LACKAWANNA COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used		Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite				
Lackawanna Cinder & S 3-01722	None-red cinders	10	-	-	-	1	-	-
Ransom Quarry Co. Inc. 5377SM1	None-rock	30	-	-	-	2	-	-
Rowker Coal Co. 5377SM5	None-cinders	25	-	-	-	3	-	-
Scoblick, V. James 3579702	None-sandstone	6	550	350	-	2	-	-
Grab, Joseph M. 1380	None-sand/gravel	8	-	-	-	5	-	-
Wargo, John 4-00765	None-flagstone/sands	-	-	-	-	-	-	-

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State	
Lackawanna Cinder & S 3-01722	-	-	267	183	-	267	-	267
Ransom Quarry Co. Inc. 5377SM1	-	-	485	2	-	485	-	485
Rowker Coal Co. 5377SM5	-	-	16,198	120	-	16,198	-	16,198
Scoblick, V. James 3579702	-	-	2,000	40	-	2,000	-	2,000
Grab, Joseph M. 1380	-	-	1,339	10	-	-	-	1,339
Wargo, John 4-00765	-	-	-	180	-	-	-	-

LANCASTER COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used			Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite					
Binkley & Ober, Inc. 8274SM6a1	Conococheague	300	243,592	104,397	-	29	-	2	
Compass Quarries, Inc. 6277SM1-01	Vintage dolomite	600	-	-	-	37	-	1	
J. Miller Eshleman & Son 8275SM1-01	Conococheague	100	451,365	743	-	8	-	-	
Faylor-Middlecreek, Inc. 8275SM4	Conestoga	250	37,580	44,067	-	11	-	1	
Haines & Kibblehouse, Inc. 36820301	None-argillite	150	72,400	1,159	79,395	12	-	-	
A. G. Kurtz & Sons, Inc. 8275SM5	Epler	165	199,200	217,250	151,020	41	-	1	
Martin Limestone, Inc. 6276SM2	Beekmantown	150	225,266	4,757	223,823	28	-	4	
6276SM1	Ledger	150	62,715	750	25,504	10	-	-	
8275SM2	Ontelaunee	150	100,333	5,898	177,957	12	-	-	
Narvon Products, Inc. 8275SM3A1C	Chickies quartzite	200	-	-	-	15	-	-	
Terre Hill Concrete 6276SM5-01	None-limestone	1000	-	-	-	5	-	-	
Rohrer's Quarry, Inc. 8274SM4	None-limestone	100	138,950	104,368	-	16	-	-	
D. M. Stoltzfus & Son, Inc. 8274SM1	None-limestone	300	2,688	44,200	120,405	48	-	4	
3274SM5	None-olivine	300	6,259	133,950	270,655	23	-	1	
Union Quarries, Inc. 62763SM6	None-limestone	100	6,200	59,840	-	16	-	2	

LANCASTER COUNTY (Continued)

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State Markets	Total Production
Binkley & Ober, Inc. 8274SM6a1	-	-	887,186	240	-	826,791	60,395	887,186
Brookmyer, Ben R. 36850301	-	-	500	-	-	500	-	500
Compass Quarries, Inc. 6277SM1-01	-	-	635,000	251	-	444,000	191,000	635,000
J. Miller Eshleman & Son 8275SM1-01	-	-	273,991	252	-	273,991	-	273,991
Faylor-Middlecreek, Inc. 8275SM4	-	-	184,000	188	-	120,000	-	184,000
Haines & Kibblehouse, Inc. 36820301	-	-	287,400	220	-	287,400	-	287,400
A. G. Kurtz & Sons, Inc. 8275SM5	-	-	835,000	253	-	512,000	-	323,000
Martin Limestone, Inc. 6276SM2	-	-	1,005,791	250	-	957,151	-	48,640
6276SM1	-	-	234,860	250	-	151,989	-	82,871
8275SM2	-	-	721,239	250	-	581,533	-	139,704
Narvon Products, Inc. 8275SM3a1C	-	-	19,451	207	-	6,856	-	12,595
Terre Hill Concrete 6276SM5-01	-	-	160,000	190	-	145,000	15,000	160,000
Rohrer's Quarry, Inc. 8274SM4	-	-	634,633	198	-	475,975	158,658	634,633
D. M. Stoltzfus & Son, Inc. 8274SM1	-	-	370,000	188	-	340,000	30,000	370,000
3274SM5	-	-	760,000	241	-	200,000	560,000	760,000
Union Quarries, Inc. 62763SM6	-	-	133,607	169	-	133,607	-	133,607

LAWRENCE COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used		Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite				
B. & P. Slag 3782020	None-slag	20	-	-	-	-	-	-
Book, Harold E. 37820306	None-gravel	40	-	-	-	1	-	-
H. W. Cooper & Sons, Inc. 3772201	None	25	-	-	-	5	-	-
Hamilton, James F. 3173SM16	None-gravel	25	-	-	-	1	-	-
Northern Industries, Inc. 3175SM3a	None-sand/gravel	50	-	-	-	7	-	-

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State Markets	
B. & P. Slag 3782020	-	-	429	15	-	429	-	429
Book, Harold E. 37820306	-	-	2,000	35	-	2,000	-	2,000
H. W. Cooper & Sons, Inc. 3772201	-	-	82,000	193	-	82,000	-	82,000
Hamilton, James F. 3173SM16	-	-	7,664	84	-	7,664	-	7,664
Northern Industries, Inc. 3175SM3a	-	-	83,911	160	-	83,911	-	83,911

LEBANON COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used		Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite				
Bethlehem Mines Corp. 7676SM1	None-limestone	-	319,800	188,700	7,200	189	-	-
H. J. Smith & Son, Inc. 7675SM1	None-dolomite	80	92,850	1,507	69,150	11	-	-

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market				Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck			Foreign Markets	In-State Markets	Out-of- State Markets	
Bethlehem Mines Corp. 7676SM1	270,773	-	799,153	266	-	955,918	114,008	83,911	
H. J. Smith & Son, Inc. 7675SM1	-	-	320,000	210	-	320,000	-	320,000	

LEHIGH COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used		Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite				
The Celotex Corp. 7874SM1	None-iron slag	80	-	-	-	4	-	-
Lehigh Stone Co., Inc. 8985SM4	None-dolomite	50	95,725	-	70,215	16	-	-
Penn Bib Bed Slate Co. 78735NCI	None-slate	16	-	50	150	33	-	3

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State Markets	
The Celotex Corp. 7874SM1	-	-	320,000	210	-	320,000	-	320,000
Lehigh Stone Co., Inc. 8985SM4	-	-	260,000	268	-	-	-	260,000
Penn Bib Bed Slate Co. 78735NCI	-	-	3,175	279	-	2,032	1,143	3,175

LUZERNE COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used			Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Nitrate	Dynamite					
Airport Sand & Gravel									
4083031	None-sand/gravel	20	-	-	-	19	-	-	
4085302	None-sand/gravel-riv	15	-	-	-	19	-	-	
5376SM25	None-sand/gravel	20	-	-	-	19	-	-	
Coolbaugh Sand & Gravel									
6475SM10	None-sand/stone	30	10,300	4,150	987	21	-	-	
Cremard Brothers									
40820305-01-2	None-topsoil	8	-	-	-	1	-	-	
Duryea Realty Co., Inc.									
5376SM1-01-2	Chenango	50	-	-	-	2	-	-	
White Haven Red Rock									
64730304	None-sandstone	145	-	-	-	8	-	-	
Hess, J. A. & W. A., Inc.									
3-00804	None-sand/gravel	-	-	-	-	6	-	-	
Hoover, David									
4-01037	Shale	Unknown	-	-	-	3	-	-	
Lukashevski, Edward									
40850801-01	None-cinders	-	-	-	-	2	-	-	
Peters, Winfield L.									
4-00406	Topsoil	5	-	-	-	1	-	-	
Popple, David									
4-00647	Red Ash	-	-	-	-	-	-	-	
Post Harold									
4-0097	None-shale	5	-	-	-	1	-	-	
Price, Theodore									
4-00062	None-topsoil	6	-	-	-	1	-	-	

LUZERNE COUNTY (Continued)

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State Markets	
Airport Sand & Gravel								
4083031	-	-	39,000	100	-	39,000	-	39,000
4085302	-	-	49,000	180	-	49,000	-	49,000
5376SM25	-	-	15,000	20	-	15,000	-	15,000
Coolbaugh Sand & Gravel								
6475SM10	-	-	203,556	250	-	-	-	203,556
Cremard Brothers								
40820305-01-2	-	-	32,000	240	-	32,000	-	32,000
Duryea Realty Co., Inc.								
5376SM1-01-2	-	-	155,395	169	-	155,395	-	155,395
White Haven Red Rock								
64730304	-	-	139,268	136	-	136,248	32,000	32,000
Hess, J. A. & W. A., Inc.								
3-00804	-	-	58,000	109	-	58,000	-	58,000
Hoover, David								
4-01037	-	-	250	3	-	-	-	250
Lukashewski, Edward								
40850801-01	-	-	2,700	-	-	2,700	-	2,700
Peters, Winfield L.								
4-00406	-	-	220	-	-	-	-	220
Popple, David								
4-00647	-	-	300	-	-	300	-	300
Post Harold								
4-0097	-	-	1,400	-	-	1,400	-	1,400
Price, Theodore								
4-00062	-	-	1,600	100	-	-	-	1,600

LYCOMING COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used		Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Nitrate	Dynamite				
Lycoming Silica Sand								
4774SM4	Pleistocene-sand/gravel	35	-	-	-	23	-	-
4775SM13	Oriskany	80	4,450	-	990	4	-	-
4773SM3	Tonoloway/Keyser	300	127,292	-	22,391	15	-	-
P. Stone, Inc. 4777SM1	None-limestone	200	128,800	975	35,990	28	-	-

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State Markets	
Lycoming Silica Sand								
4774SM4	-	-	379,115	190	-	395,615	-	379,115
4775SM13	-	-	16,508	30	-	16,508	-	16,508
4773SM3	-	-	406,302	140	-	406,302	-	406,302
P. Stone, Inc. 4777SM1	-	-	-	298	-	201,568	-	-

MCKEAN COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used		Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Nitrate	Dynamite				
G. L. Carlson, Inc. 4-00931	None-alluvium	40	-	-	-	-	-	-
Gregory, Frederick L. 4-00096	None	-	-	-	-	-	-	-
Kane Stone Co. 4675SM20	None-sandstone	25	23,350	227	125	9	-	-
Wayne Gravel Product 42850302	None-sand/sandstone	60	-	-	-	8	-	-

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State Markets	
G. L. Carlson, Inc. 4-00931	-	-	425	6	-	-	-	425
Gregory, Frederick L. 4-00096	-	-	300	3	-	-	-	300
Kane Stone Co. 4675SM20	-	-	29,026	83	-	29,026	-	29,026
Wayne Gravel Product 42850302	-	-	-	219	-	-	-	-

MERCER COUNTY

Operators and Mines/or Non Coal Surface Mine Permit No.	Name of Non- Coal, or Geological Formation	Thickness	Pounds of Explosives Used		Other Permis- sible (Name)	No. of Em- ployes	Fatal Acci- dents	Non- Fatal Acci- dents
			Ammonium Nitrate	Dynamite				
H. & H. Materials, Inc.								
43840303	None-sand/gravel	20	-	-	-	-	-	-
43820304	None-sand/gravel	20	-	-	-	-	-	-
43790306	None-sandstone	25	-	-	-	12	-	-
Hoffman, Roger L.								
43820309	None-gravel	-	-	-	-	5	-	-
Hoobler, Philip								
434-1	None-gravel	-	-	-	-	-	-	-
Leali Brothers Excav.								
4-00725	None-sand/gravel	20	-	-	-	-	-	-
Seidle Sand & Gravel, Inc.								
3073SM11a	None-sand/gravel-glacial	15	-	-	-	20	-	2
Western Pa. Aggregate								
3076SM24a	None-sand/gravel-glacial	-	-	-	-	8	-	-
White Rock Silica Sand Co.								
30765M13C	Sand-stone	60	28,435	-	306 3/4 208	5	-	-
Wood Gravel Co.								
3078NC15-01	None-sand/gravel	20	-	-	-	-	-	-

MERCER COUNTY (Continued)

Operators and Mines/or Non Coal Surface Mine Permit No.	Minerals shipped to market			Days Worked	Tonnage of Minerals Shipped to			Total Production
	By Rail	By Water	By Truck		Foreign Markets	In-State Markets	Out-of- State Markets	
Custom Crushing 43820603	-	-	3,307	4	-	3,307	-	3,307
H. & H. Materials, Inc. 43840303	-	-	18,800	90	-	18,800	-	18,800
43820304	-	-	15,600	90	-	15,600	-	15,600
43790306	-	-	260,000	300	-	260,000	-	260,000
Hoffman, Roger L. 43820309	-	-	2,830	10	-	2,830	-	2,830
Hoobler, Philip 434-1	-	-	800	5	-	800	-	800
Leali Brothers Excav. 4-00725	-	-	2,200	-	-	-	-	2,200
Seidle Sand & Gravel, Inc. 3073SM11a	-	-	219,984	197	-	214,215	5,769	219,984
J. Taylor Sand & Gravel 3077SM9	-	-	15	-	-	15	-	15
Western Pa. Aggregate 3076SM24a	-	-	65,000	170	-	65,000	-	65,000
White Rock Silica Sand Co. 30765M13C	-	-	14,912.43	241	-	14,912.43	-	14,406
Wood Gravel Co. 3078NC15-01	-	-	38,200	47	-	38,200	-	38,200