

VENANGO COUNTY

Production of Minerals -- Net Tons

Operators and Mines/ or Surface Mine Permit No.	Shipped to Market			TOTAL PRODUCTION OF MINERALS MINED	Type of Rock or Mineral Being Mined	TOTAL POUNDS OF EXPLOSIVES USED	Average Days Worked	No. of Employes	Fatal Acci- dents	Non- Fatal Acci- dents
	By Rail	By Water	By Truck							
Adams, Exc., G. L. 61880806	-	-	2,000	2,000	gravel	-	20	3	-	-
Cooperstown Sand & Gravel 3773SM4	-	-	47,000	47,000	sand/gravel	-	290	3	-	-
61930301	-	-	18,000	21,000	sand/gravel	-	109	1	-	-
<b>TOTAL</b>	-	-	65,000	68,000				4	-	-
Guiste Excavating, William A. 61960801	-	-	1,200	1,200	sandstone	-	30	2	-	-
Huff, Carl E. SM-382-1 (a)	-	-	196	204	bank gravel	-	25	1	-	-
I. A. Construction Corp. 3773SM1	-	-	166,712	172,155	gravel	-	116	8	-	1
Klapec, Michael J. 61830609	-	-	9,740	9,740	sandstone	-	75	2	-	-
Marlowe, Paul A. 61820308	-	-	1,900	1,900	gravel	-	60	2	-	-
Morrison Construction, James J. 61830608	-	-	1,410	1,410	sandstone	-	50*	1	-	-
Stover, Arthur L. 61880801	-	-	1,700	1,700	shale	-	24	1	-	-
Tionesta Sand & Gravel, Inc. 3776SM20	-	-	13,889	13,889	sand/gravel	-	140	3	-	-
61830306	-	-	964	964	sand/gravel	-	158	4	-	-
<b>TOTAL</b>	-	-	14,853	14,853				7	-	-
Vincent Excavating & Gravel 3772SM8	-	-	15,695	15,695	sand/grvel	-	235	2	-	-
<b>COUNTY TOTAL</b>	-	-	280,406	288,857				33	-	-

Note: (a) Mining permit number

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WARREN COUNTY

Production of Minerals -- Net Tons

Operators and Mines/ or Surface Mine Permit No.	Shipped to Market			TOTAL PRODUCTION OF MINERALS MINED	Type of Rock or Mineral Being Mined	TOTAL POUNDS OF EXPLOSIVES USED	Average Days Worked	No. of Employees	Fatal Acci- dents	Non- Fatal Acci- dents
	By Rail	By Water	By Truck							
Allen Excavating, Inc., John 62930301	-	-	8,862	8,862	gravel	-	83	2	-	-
Bailey & Turner Gravel Co. 4878NC8	-	-	665	665	gravel	-	3	1	-	-
Brokenstraw Gravel Co., Inc. 4876SM20	-	-	51,676	51,676	gravel	-	225	4	-	-
Cable Gravel Products, Dick SM-314-1 (a)	-	-	1,064	1,064	gravel	-	20	1	-	-
Jackson & Roth 62852301	-	-	160	160	gravel	-	2	1	-	-
Morrison, Richard C. 62890802	-	-	1,802	1,802	gravel	-	90	1	-	-
Sherman Co., The 4672SM10	-	-	-	-	sand/gravel	-	295	8	-	-
Tionesta Sand Gravel, Inc. 4672SM9	-	-	14,879	14,879	sand/gravel	-	120	2	-	-
4673SM13	-	-	48,277	48,277	sand/gravel	-	126	3	-	-
62820304	-	-	365,874	365,874	sand/gravel	-	295	8	-	-
<b>TOTAL</b>	-	-	429,030	429,030				13	-	-
Yeagle Excavating 4876SM1	-	-	27,648	27,648	gravel	-	225	4	-	-
Zawacki, Mark A. & Alex D. 62830301	-	-	20,708	20,708	gravel	-	213	4	-	-
<b>COUNTY TOTAL</b>	-	-	541,615	541,615				39	-	-

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Note: (a) Old mining permit number

WASHINGTON COUNTY

Production of Minerals -- Net Tons

Operators and Mines/ or Surface Mine Permit No.	Shipped to Market			TOTAL PRODUCTION OF MINERALS MINED	Type of Rock or Mineral Being Mined	TOTAL POUNDS OF EXPLOSIVES USED	Average Days Worked	No. of Employes	Fatal Acci- dents	Non- Fatal Acci- dents
	By Rail	By Water	By Truck							
Dick Enterprises 63960301	-	-	29,222	29,222	ash	-	250	4	-	-
Johnson, Dick 63892301	-	-	650	650	red dog	-	30	1	-	-
Langeloth Metalurgical Co. 63920301T	-	-	3,234	3,234	slag	-	34	2	-	-
Pawlosky, Anthony J. 63822303	-	-	100	100	red dog	-	20*	1*	-	-
COUNTY TOTAL	-	-	33,206	33,206		-		8	-	-

WESTMORELAND COUNTY

Production of Minerals -- Net Tons

Operators and Mines/ or Surface Mine Permit No.	Shipped to Market			TOTAL PRODUCTION OF MINERALS MINED	Type of Rock or Mineral Being Mined	TOTAL POUNDS OF EXPLOSIVES USED	Average Days Worked	No. of Employees	Fatal Acci- dents	Non- Fatal Acci- dents
	By Rail	By Water	By Truck							
Buckeye Wrecking & Transfer, Inc. 65952303	-	-	386	386	sand	-	80	4	-	-
Carbon Fuel Resources, Inc. 65900304	-	-	13,694	13,694	coke ash	-	21	2	-	-
Davison Sand & Gravel Co. 65900402	-	-	637,622	706,278	limestone	1,109,654	276	19	-	5
Elias, John J. 65890302	-	-	12,000	12,000	coke	-	200	3	-	-
Hoover, Timothy M. 65930601	-	-	169,206	169,206	sandstone	243,329	274	8	-	-
International Mill Service 65850302	-	-	282,961	379,175	steel scrap/ slag	-	240	10	-	-
Johnson, Anders M. 4001162 (a)	-	-	-	-	-	-	-	-	-	-
Neiderhiser, John B. 65882301	-	-	130	130	shale	-	10	1	-	-
Neiderhiser, Wilbert M. 65892302	-	-	90	90	shale/flagstone	-	2	2	-	-
Sardis Stone Co., Inc. 6582303	-	-	250	250	shale	-	3	1	-	-
Suburban Construction & Supply, Inc. 65912601	-	-	1,800	1,800	clay/sandstone	-	30	2	-	-
Thomson, Norman 65910302	-	-	1,539	1,539	coke	-	1	1	-	-
V & B Excavating 65892305	-	-	425	425	shale	-	22	1	-	-
Wallace, Patrick Michael 65952301	-	-	1,502	1,502	coke ash	-	1	1	-	-
Withrow, Richard 65892301	-	-	1,096	1,096	flagstone/shale	-	41	1	-	-

WESTMORELAND COUNTY (Continued)

Production of Minerals -- Net Tons

Operators and Mines/ or Surface Mine Permit No.	Shipped to Market			TOTAL PRODUCTION OF MINERALS MINED	Type of Rock or Mineral Being Mined	TOTAL POUNDS OF EXPLOSIVES USED	Average Days Worked	No. of Employes	Fatal Acci- dents	Non- Fatal Acci- dents
	By Rail	By Water	By Truck							
V & B Excavating 65892305	-	-	425	425	shale	-	22	1	-	-
<b>COUNTY TOTAL</b>	-	-	1,123,126	1,287,996		1,352,983		57	-	5

Note: (a) License number, no permit number shown

WYOMING COUNTY

Production of Minerals -- Net Tons

Operators and Mines/ or Surface Mine Permit No.	Shipped to Market			TOTAL PRODUCTION OF MINERALS MINED	Type of Rock or Mineral Being Mined	TOTAL POUNDS OF EXPLOSIVES USED	Average Days Worked	No. of Employes	Fatal Acci- dents	Non- Fatal Acci- dents
	By Rail	By Water	By Truck							
American Asphalt Paving Co.										
5176SM6	-	-	211,299	211,299	sand/gravel	-	170	6	-	1
66740302	-	-	-	-	sand/gravel	-	-	-	-	-
66770301	-	-	5,120	5,120	sand/gravel	-	1	1	-	-
<b>TOTAL</b>	-	-	216,419	216,419				7	-	1
<b>COUNTY TOTAL</b>	-	-	216,419	216,419				7	-	1

YORK COUNTY

Production of Minerals -- Net Tons

Operators and Mines/ or Surface Mine Permit No.	Shipped to Market			TOTAL PRODUCTION OF MINERALS MINED	Type of Rock or Mineral Being Mined	TOTAL POUNDS OF EXPLOSIVES USED	Average Days Worked	No. of Employees	Fatal Acci- dents	Non- Fatal Acci- dents
	By Rail	By Water	By Truck							
Baker Co., J. E. 4873SM1C3 (a)	-	-	905,600	905,600	dolomite/clay	252,941	365	148	-	1
Codorus Stone & Supply Co., Inc. 48735M10 67910301	-	-	32,263	32,263	limestone	21,015	22	15)	-	-
	-	-	375,928	375,928	limestone	351,645	118	)	-	-
<b>TOTAL</b>	-	-	408,191	408,191		372,660		15	-	-
County Line Quarry, Inc. 4876SM1	-	-	1,001,219	1,001,219	quartzite	687,814	270	18	-	-
Fink & Sons, R. E. 67950801	-	-	1,000	1,000	clay	-	70	1	-	-
Glen-Gery Corp. 4875SM1 4875SM2 67830301	-	-	28,903	28,903	phyllite	-	-	-	-	-
	-	-	61,428	61,428	shale	-	79	2	-	-
	-	-	56,197	56,197	shale	-	79	2	-	-
<b>TOTAL</b>	-	-	146,528	146,528				4	-	-
Global Stone Pen Roc, Inc. 4873SM5 4873SM6T2 4873SM8T	3,758	-	385,456	389,214	limestone	114,345	104	6	-	-
	9,202	-	813,864	823,066	limestone	281,600	260	18	1	-
	-	-	21,379	21,379	shale	-	34	3	-	-
<b>TOTAL</b>	12,960	-	1,220,699	1,233,659		395,945		27	1	-
G.R.O.W.S., Inc. 67860302	-	-	516	516	various soils	-	7	3	-	-
Hempt Bros., Inc. 67860301	-	-	2,000	2,000	shale	-	10	5	-	-
Livingston, Fred 67880801	-	-	1,850	1,850	fill dirt soil	-	52	4	-	-
Medusa Minerals Co. 4874SM2	104,000	-	687,000	791,000	limestone	356,288	335	63	-	1

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YORK COUNTY (Continued)

Production of Minerals -- Net Tons

Operators and Mines/ or Surface Mine Permit No.	Shipped to Market			TOTAL PRODUCTION OF MINERALS MINED	Type of Rock or Mineral Being Mined	TOTAL POUNDS OF EXPLOSIVES USED	Average Days Worked	No. of Employes	Fatal Acci- dents	Non- Fatal Acci- dents
	By Rail	By Water	By Truck							
York Building Products										
6376SM2	-	-	471,500	471,500	limestone	212,340	187	15	-	-
67730402	-	-	1,500	1,500	limestone	-	3	2	-	-
67870301	-	-	1,056,780	1,140,000	limestone	514,470	198	19	-	-
<b>TOTAL</b>	-	-	1,529,780	1,613,000		726,810		36	-	-
York Silica Sand, Inc.										
4873SM3C4	-	-	13,738	13,738	sandstone	-	25	1	-	-
<b>COUNTY TOTAL</b>	-	-	5,017,121	6,118,301		2,792,458		325	1	2

Note: (a) All stone removed from quarry by truck or conveyor, a small percentage of finished product is shipped by rail or truck to a port for overseas shipments.



BUTLER, LAWRENCE, MERCER, AND VENANGO COUNTIES ADDENDUM

Production of Minerals -- Net Tons

Operators and Mines/ or Surface Mine Permit No.	Shipped to Market			TOTAL PRODUCTION OF MINERALS MINED	Type of Rock or Mineral Being Mined	TOTAL POUNDS OF EXPLOSIVES USED	Average Days Worked	No. of Employes	Fatal Acci- dents	Non- Fatal Acci- dents
	By Rail	By Water	By Truck							

The following operators' annual reports received in the Harrisburg Office from the Knox District Mining Office after reports had been completed, thus, company totals will not appear on any county totals.

Butler County

Cooper Bros., Inc. 3075SM26	-	-	2,000	2,000	sand/gravel	-	188	7	-	-
Cooper Builders Supply, Inc., H.W. 3075SM6	-	-	200,000	200,000	sand/gravel	-	190	1	-	-

Lawrence County

Ambrosia Coal & Construction Co. 3176SM3	-	-	243,418	243,418	gravel	-	307	11	-	-
B & P Slag Corp. 37820207	-	-	6,876	6,876	slag	-	122	2	-	-
Book, Harold 4-00714	-	-	1,600	1,600	gravel	-	-	-	-	-
Cooper & Sons, Inc., H.W. 3175SM13	-	-	25,000	25,000	sand/gravel	-	30	3	1*	-
Hamilton, James F. 3173SM16	-	-	12,410	12,410	sand/gravel	-	48	2	-	-
Mahoning Valley Sand Co. 37830309	-	-	174,277	174,277	sand/gravel	-	230	7	-	1
Mahoning Valley Sports Clay, Inc. 37950802	-	-	300	300	clay	-	21	2	-	-
McKnight, Inc., G. L. 37860305	-	-	2,500	2,500	sand/gravel	-	225	5	-	-
37930305	-	-	352,769	352,769	sand/gravel	-	127	1	-	-
37940302	-	-	113,153	113,153	sand/gravel	-	59	1	-	-
McQuiston Coal Co. 3174SM14	-	-	170,460	170,460	limestone	281,326	191	14)	-	1
37910303	-	-	8,000	8,000	limestone	13,200	6	)	-	-

BUTLER, LAWRENCE, MERCER, AND VENANGO COUNTIES (Continued)

Production of Minerals -- Net Tons

Operators and Mines/ or Surface Mine Permit No.	Shipped to Market			TOTAL PRODUCTION OF MINERALS MINED	Type of Rock or Mineral Being Mined	TOTAL POUNDS OF EXPLOSIVES USED	Average Days Worked	No. of Employees	Fatal Acci- dents	Non- Fatal Acci- dents
	By Rail	By Water	By Truck							
Lawrence County (Continued)										
Medure Sand & Gravel Co., Inc., A. 3175SM3	-	-	190,182	190,182	sand/gravel	-	167	12	-	5
37900303	-	-	60,749	60,749	sand/gravel	-	110	7	-	-
Neshannock Sand & Gravel, Inc. 37920306	-	-	90,514	98,562	sand/gravel	-	300	4	-	-
Rose Point Sand & Gravel Co. 3173SM10	-	-	42,000	42,000	sand/gravel	-	-	6	-	1
Russell Minerals, Inc. 37900308	-	-	614,543	614,543	sand/gravel	-	265	12	-	2
Ryan, Wayne Anthony 37910806	-	-	1,810	1,810	topsoil	-	163	2	-	-
Slippery Rock Materials, Inc. 37800303	-	-	186,706	186,706	sand/gravel	-	255	6)	-	5
37950301	-	-	48,740	48,740	sand/gravel	-	30	)	-	-
S & S Processing 37920303	-	-	23,134	23,134	topsoil	-	75	4	-	-
Temple, Donald 37940305	-	-	11,699	11,699	sand/gravel	-	198	1	-	-
Wilds, Robert L. 37890805	-	-	1,150	1,150	topsoil	-	150	1	-	-
Vetica Construction Co. 37920301	-	-	15,500	15,500	sandstone	1,800	90	3	-	-

\*Fatal shown by operator - Harrisburg Office has no record of this fatal.

BUTLER, LAWRENCE, MERCER, AND VENANGO COUNTIES (Continued)

Operators and Mines/ or Surface Mine Permit No.	Production of Minerals -- Net Tons						Average Days Worked	No. of Employees	Fatal Acci- dents	Non- Fatal Acci- dents
	Shipped to Market			TOTAL PRODUCTION OF MINERALS MINED	Type of Rock or Mineral Being Mined	TOTAL POUNDS OF EXPLOSIVES USED				
	By Rail	By Water	By Truck							
<b>Mercer County</b>										
Cummings, William M. SM-449-1	-	-	150	150	gravel	-	6	1	-	-
Custom Crushing Ltd. 43820603	-	-	1,153	1,153	sandstone	-	250	2	-	-
Grove Enterprises, Inc. 43890802	-	-	1,900	1,900	gravel	-	12	2	-	-
Meadville Redi-Mix Concrete, Inc. 43910304	-	-	30,000	30,000	sand/gravel	-	100	2	-	-
McDowell, John H. 43920802	-	-	1,500	1,500	gravel	-	10	1	-	-
Shenango Valley Sand & Gravel 4379301	-	-	29,500	29,500	sand/gravel	-	260	5	-	-
<b>Venango County</b>										
Franklin Gravel Co. 3778SM10	-	-	16,642	16,642	gravel	-	55	2	-	-

Addendum total production of mineral mined: 2,688,383 tons

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**SUMMARY OF PENNSYLVANIA  
INDUSTRIAL MINERAL PRODUCTION (TONS)  
1996 SURFACE OPERATIONS**

County	Total Production	Total Operations	Total Operators	Total Employees
Adams	4,582,720	11	7	245
Allegheny	244,377	3	3	16
Armstrong	1,080,478	13	12	58
Beaver	799,600	8	7	33
Bedford	784,497	2	1	31
Berks	6,612,823	31	20	394
Blair	1,812,643	3	2	31
Bradford	1,503,571	20	20	82
Bucks	9,587,081	16	14	131
Butler	2,104,788	11	7	76
Cambria	175,923	1	1	11
Cameron	300	1	1	1
Carbon (Pottsville Office)	-	-	-	-
Centre	3,871,036	10	8	93
Chester	3,934,840	15	14	153
Clarion	78,189	15	13	21
Clearfield	38,687	5	5	6
Clinton	293,694	3	3	16
Columbia	823,145	12	10	46
Crawford	943,341	35	28	76
Cumberland	3,083,737	27	22	160
Dauphin	2,361,532	7	7	67
Delaware	1,194,589	3	3	71
Elk	3,350	4	4	5
Erie	1,504,112	43	35	109
Fayette	4,348,788	18	13	107
Forest	6,978	2	2	3
Franklin	1,925,533	38	29	188
Fulton (Ebensburg Office)	-	-	-	-
Greene (Greensburg Office)	-	-	-	-
Huntingdon	1,975,070	6	3	64
Indiana	50,316	1	1	8
Jefferson	128,375	7	7	15
Juniata	217,706	8	8	21
Lackawanna	341,019	9	9	17
Lancaster	8,159,372	17	10	229
Lawrence	2,436,592	5	4	75
Lebanon	4,095,955	7	6	96
Lehigh	1,671,984	7	3	81
Luzerne	2,354,500	37	32	168
Lycoming	1,700,525	9	6	61

**SUMMARY OF PENNSYLVANIA  
INDUSTRIAL MINERAL PRODUCTION (TONS)  
1996 SURFACE OPERATIONS**

<b>County</b>	<b>Total Production</b>	<b>Total Operations</b>	<b>Total Operators</b>	<b>Total Employees</b>
McKean	294,917	6	6	26
Mercer	1,210,370	17	15	54
Mifflin	344,644	15	12	30
Monroe	778,541	27	25	64
Montgomery	5,634,154	10	8	128
Montour	671,084	7	6	41
Northampton	7,388,311	22	9	400
Northumberland	1,098,995	14	14	67
Perry	293,421	24	20	38
Philadelphia	-	-	-	-
Pike	841,833	17	15	63
Potter	97,944	6	4	9
Schuylkill	414,770	4	4	13
Snyder	239,218	10	9	24
Somerset	1,673,596	10	5	111
Sullivan	3,994	3	3	7
Susquehanna	-	-	-	-
Tioga	574,923	15	12	35
Union	670,192	14	13	50
Venango	288,857	13	11	33
Warren	541,615	12	10	39
Washington	33,206	4	4	8
Wayne	-	-	-	-
Westmoreland	1,287,996	16	16	57
Wyoming	216,419	3	1	7
York	6,118,301	19	12	325
<b>Region Totals</b>	<b>107,549,067</b>	<b>758</b>	<b>614</b>	<b>4,694</b>