

PITS AND QUARRIES

BUREAU OF MINING AND RECLAMATION

PRODUCTION

AND

GEOGRAPHICAL TABLE

NON-COAL

Any inquiries on this section, Non-Coal Minerals, should be referred to the BUREAU OF MINING AND RECLAMATION, 717-787-5103 or 787-7846

ADAMS 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 | | | | |
| DER, Bureau of Forestry 01860801 | None-sand/gravel | - | - | - | - | 1 | - | - |
| Gross Minerals Corp. 4974SM3 | Unknown | 20 | - | - | - | 7 | - | - |
| Valley Quarries, Inc. 01740401 | Gettysburg/Trgsh | - | 215,000 | 23,000 | - | 1 | - | - |
| 01740601 | Gettysburg/Trgsh | - | 901,000 | 100,000 | - | 21 | - | 4 |

| Operators and Mines/or Non Coal Surface Mine Permit No. | Minerals shipped to market | | | | Tonnage of Minerals Shipped to | | | |
|--|----------------------------|----------|----------|----------------|--------------------------------|---------------------|-----------------------------|---------------------|
| | By Rail | By Water | By Truck | Days Worked | Foreign Markets | In-State Markets | Out-of- State Markets | Total Production |
| DER, Bureau of Forestry 01860801 | - | - | 50 | 1 | - | 50 | - | 50 |
| Gross Minerals Corp. 4974SM3 | 1,000 | - | 3,000 | 13 | - | 150 | 3,850 | 4,000 |
| Valley Quarries, Inc. 01740401 | - | - | 76,000 | 36 | - | 73,000 | 3,000 | 76,000 |
| 01740601 | - | - | 40,800 | 190 | - | 37,800 | 30,000 | 40,800 |

ALLEGHENY 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 | | | | |
| Duquesne Slag Products Co. 02850301 | Slag | 120 | - | - | - | 8 | - | 4 |
| 02850302 | Slag | 140 | - | - | - | 3 | - | - |
| Harmar Brick, Inc. 3476SM22T | None-shale | 10 | - | - | - | 6 | - | - |
| No.Allegheny Stone, Inc. 02820101 | None-sandstone | 40 | - | - | - | 20 | - | - |

| 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 | |
| Duquesne Slag Products Co. 02850301 | - | - | 275,070 | 176 | - | 275,070 | - | 275,070 |
| 02850302 | - | - | 398,412 | 120 | - | 398,412 | - | 398,412 |
| Harmar Brick, Inc. 3476SM22T | - | - | - | 240 | - | - | - | - |
| No.Allegheny Stone, Inc. 02820101 | - | - | 278,893 | 230 | - | 278,893 | - | 278,893 |

ARMSTRONG 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 | | | | |
| Allegheny Mineral Co. 03840105 | VPT, CLAR., L&M KITT.* | 276 | 740,286 | 6,714 | 17,898 | 8 | - | - |
| Glacial Sand & Gravel Co. 3572SM13 | Glacial Deposit | 15 | - | - | - | 12 | - | - |
| Logan Clay Products Co. 3-00877 | None-clay | - | - | 5 | - | 1 | - | - |
| Parker Sand & Gravel 3573SM8 | None-sand & gravel | 15 | - | - | - | 7 | - | - |
| Seven Sisters Mining 03860401 | VPT., L.Kitt.* | 26 | - | 4,368 | - | 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 | |
| Allegheny Mineral Co. 03840105 | - | - | 401,882 | 250 | - | 401,882 | - | 401,882 |
| Glacial Sand & Gravel Co. 3572SM13 | - | - | 45,015 | 35 | - | 45,015 | - | - |
| Logan Clay Products Co. 3-00877 | - | - | - | 165 | - | - | - | - |
| Parker Sand & Gravel 3573SM8 | - | - | 88,925 | 273 | - | 88,925 | - | 88,925 |
| Seven Sisters Mining 03860401 | - | - | - | - | - | - | - | - |

* VPT = Vanport
 Clar. = Clarion
 L.Kitt. = Lower Kittanning
 U.Kitt. = Upper Kittanning

BEAVER 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 | | | | |
| Duquesne Slag Products Co. | | | | | | | | |
| 04850301 | Slag | 50 | - | - | - | 6 | - | - |
| 04860301 | Slag | 50 | - | - | - | 17 | - | 1 |
| Standard Aggregates 31745m10 | None-sand/gravel-river | 90 | - | - | - | 12 | - | - |

| 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 | | | |
| Duquesne Slag Products Co. | | | | | | | | | |
| 04850301 | - | - | 39,810 | 22 | - | 39,810 | - | 39,810 | |
| 04860301 | - | - | 234,826 | 110 | - | 234,826 | - | 234,826 | |
| Standard Aggregates 31745m10 | - | - | 278,342 | 180 | - | 278,342 | - | 278,342 | |

BEDFORD 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 | | | | |
| Fleegle, Robert 400651 | None-slate | 80 | - | - | - | 2 | - | - |
| Gracey, Charles L. 400812 | None-slate | 20 | - | - | - | 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 | |
| Fleegle, Robert 400651 | - | - | - | 45 | - | - | - | - |
| Gracey, Charles L. 400812 | - | - | 400 | - | - | - | - | 400 |

BERKS 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 | | | | | |
| Bechtold, Mark J. 400524 | None-shale | - | - | - | - | - | - | - | |
| Berks Products Corp. 7775SM1A1 | None-dol.-ls. | 300 | 119,520 | 7,412 | 258,570 | 17 | - | 2 | |
| 6176SM2A | None-dol.-ls. | 100 | 66,600 | 1,302 | 51,480 | 6 | - | 4 | |
| 7774SM2 | None-dol.-ls. | 50 | 54,600 | 8,341 | 3,7710 | 5 | - | - | |
| Diefenderfer D. B. & Bro. Inc. 6177SM1 | None-gravel | 12 | - | - | - | 6 | - | - | |
| Empire Wrecking Co. 6177SM2 | None-gravel | - | - | - | - | - | - | - | |
| Gable Ent. Inc. 6176SM3 | Hardystone | 120 | 23,950 | - | 11,071 | 40 | - | - | |
| The General Crushed Stone Co. 7974SM1 | None-gneissess,diabase | 250 | - | - | - | - | - | - | |
| Glen Gary Corp. 7775SM11A2 | Hamburg Sequence | 75 | - | - | - | 2 | - | - | |
| 7775SM11A3 | Beekmantown Group | 15 | - | - | - | 2 | - | - | |
| 7775SM6 | Martinsburg | 80 | - | - | - | 3 | - | - | |
| 7775SM9 | Hamburg Sequence | 50 | - | - | - | 3 | - | - | |
| Martin Stone Quarrie 7776SM1 | None-sandstone-granite | 100 | 165,932 | 550 | 177,150 | 32 | - | 1 | |
| Pottstown Trap Rock 7773SM1-02-3 | Lackatong-metasediments | 200 | 61,509 | 1,416 | 80,330 | 16 | - | 1 | |
| Rolling Rock Bldg. St. 4-00666 | None-stone | 20 | - | - | - | 28 | - | 4 | |
| 4-00480 | None-stone | 20 | - | - | - | 28 | - | 4 | |
| 4-00667 | None-stone | 20 | - | - | - | 28 | - | 4 | |
| Warner Co.-John T. Dyer 7775SM8 | None-d diabase trap | 300 | 221,350 | 106,384 | 169,435 | 33 | - | 2 | |
| Zwicky, W. David 4-00515 | None-shale | 18 | - | - | - | 4 | - | - | |

BERKS 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 | |
| Bechtold, Mark J. 400524 | - | - | 1,800 | 15 | - | - | - | 1,800 |
| Berks Products Corp. 7775SM1A1 | - | - | 682,900 | 240 | - | 667,900 | 15,000 | 682,900 |
| 6176SM2A | - | - | 239,000 | 254 | - | 239,000 | - | 239,000 |
| 7774SM2 | - | - | 145,000 | 150 | - | 145,000 | - | 145,000 |
| Diefenderfer D. B. & Bro. Inc. 6177SM1 | - | - | 984 | 1 | - | 984 | - | 984 |
| Empire Wrecking Co. 6177SM2 | - | - | - | 30 | - | - | - | - |
| Gable Ent. Inc. 6176SM3 | - | - | 98,000 | 90 | - | 98,000 | - | 98,000 |
| The General Crushed Stone Co. 7974SM1 | - | - | 544 | - | - | 544 | - | 544 |
| Glen Gary Corp. 7775SM11A2 | - | - | 212 | - | - | 33,920 | - | 50,880 |
| 7775SM11A3 | - | - | - | - | - | 6,080 | - | 9,120 |
| 7775SM6 | - | - | 525 | - | - | - | - | - |
| 7775SM9 | - | - | - | - | - | - | - | - |
| Martin Stone Quarrie 7776SM1 | - | - | 625,876 | 240 | - | 594,876 | 31,000 | 625,876 |
| Pottstown Trap Rock 7773SM1-02-3 | 33,162 | - | 354,541 | 260 | - | 386,282 | 1,421 | 387,703 |
| Rolling Rock Bldg. St. 4-00666 | - | - | 1,342 | 150 | - | 950 | 392 | 1,342 |
| 4-00480 | - | - | 1,950 | 225 | - | 1,600 | 350 | 1,950 |
| 4-00667 | - | - | 1,875 | 225 | - | 1,410 | 465 | 1,875 |
| Warner Co.-John T. Dyer 7775SM8 | 661,986 | - | 369,527 | 200 | - | 773,635 | 257,878 | 1,031,513 |
| Zwicky, W. David 4-00515 | - | - | 1,800 | 20 | - | 1,800 | - | 1,800 |

BLAIR 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 | | | | | |
| Sproul Lime & Stone Co. 4273SM4 | Oriskany | 400 | - | - | - | 3 | - | - | |

BRADFORD 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 | | | | |
| Bagley, Sr., Raymond 4-00746 | None-gravel | 20 | - | - | - | - | - | - |
| Cook, Ralph M. 5076SM2 | None-sand/gravel | 20 | - | - | - | 1 | - | - |
| Cross, Clifford L. Jr. 3-02601 | None-gravel | 50 | - | - | - | 3 | - | - |
| Carl Hill Const. Co. 4-00409 | None | - | - | - | - | - | - | - |
| Dalrymple Gravel & Contr. 08830301 | 45 | - | - | - | - | 22 | - | - |
| McCloe, James 4-01127 | None-topsoil | 6 | - | - | - | 1 | - | - |

| 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 | |
| Bagley, Sr., Raymond 4-00746 | - | - | 1,048 | - | - | 1,048 | - | 1,048 |
| Cook, Ralph M. 5076SM2 | - | - | 30,161 | 231 | - | 30,161 | - | 30,161 |
| Cross, Clifford L. Jr. 3-02601 | - | - | 9,346 | 40 | - | 9,346 | - | 9,346 |
| Carl Hill Const. Co. 4-00409 | - | - | 1,000 | 30 | - | - | - | 1,000 |
| Dalrymple Gravel & Contr. 08830301 | - | - | 250,000 | 30 | - | - | - | 250,000 |
| McCloe, James 4-01127 | - | - | 5 | 4 | - | 125 | - | 5 |

BUCKS 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 | | | | | |
| American Olean Tile 7974SM6 | Brunswick shale | 12 | - | - | - | 6 | - | - | |
| Better Materials Corp. 7971SM2 | Lackatong | 400 | 512,000 | 240,000 | 7,800 | 25 | - | 5 | |
| Bucks County Crushed Stone 7974SM2 | Lackatong | 400 | 268,400 | 107,534 | 4,367 | 12 | - | - | |
| Delaware Quarries 09832601-01 | None-sandstone | 70 | 3,000 | - | - | 3 | - | 3 | |
| Delaware Valley Landscape Stone Inc. 09830301 | None-sand & gravel | 25 | - | - | - | 6 | - | - | |
| Haines & Kibblehouse-Blooming Glen 7975SM1 | None-argillite | 50 | 156,250 | 2,439 | 196,880 | 30 | - | - | |
| A17975SM2 | None-argillite | 40 | 21,300 | 22,066 | 4,301 | 6 | - | - | |
| 7974SM5A1 | None-argillite | 60 | 320,650 | 208,893 | 8,454 | 12 | - | - | |
| Langhorne Stone Co. 09832501-01 | None-sandstone | 40 | - | - | - | 3 | - | 1 | |
| Miller & Son Paving, Inc. 7973SM3 | None-argillite | 50 | 191,746 | 115,046 | 3,746 | 14 | - | 1 | |
| M. & M. Stone Co. 7974SM4 | None-argillite | - | - | - | - | 28 | - | 2 | |
| Warner Co. 7975SM5 | None-sand & gravel | 30 | - | - | - | 35 | - | - | |

BUCKS 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 | |
| American Olean Tile 7974SM6 | - | - | 20,000 | 30 | - | - | - | 20,000 |
| Better Materials Corp. 7971SM2 | - | - | 1,600,000 | 196 | - | 960,000 | 640,000 | 1,600,000 |
| Bucks County Crushed Stone 7974SM2 | - | - | 493,303 | 202 | - | 328,869 | 164,434 | 493,303 |
| Delaware Quarries 09832601-01 | - | - | 2,000 | 120 | - | - | - | 2,000 |
| Delaware Valley Landscape Stone Inc. 09830301 | - | - | 111,514 | 198 | - | - | 62,184 | 111,514 |
| Haines & Kibblehouse-Blooming Glen 7975SM1 | - | - | 572,960 | 235 | - | 572,960 | - | 572,960 |
| A17975SM2 | - | - | 142,900 | 190 | - | 142,900 | - | 142,900 |
| 7974SM5A1 | - | - | 958,970 | 230 | - | 858,970 | - | 100,000 |
| Langhorne Stone Co. 09832501-01 | - | - | 2,000 | 60 | - | - | - | 2,000 |
| Miller & Son Paving, Inc. 7973SM3 | - | - | 523,000 | 189 | - | 523,000 | - | 523,000 |
| M. & M. Stone Co. 7974SM4 | - | - | 791,999 | 275 | - | 685,079 | 106,920 | 791,999 |
| Warner Co. 7975SM5 | - | - | 1,600,000 | 240 | - | 1,000,000 | 600,000 | 1,600,000 |

BUTLER 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 |
|--|---|-----------|---------------------------|----------|-------------------------------------|-------------------------|-------------------------|---------------------------------|
| | | | Amponium Nitrate | Dynamite | | | | |
| Allegheny Mineral Co. 3072SM3A | Vanport Limestone | 16 | 402,800 | 5,075 | 17,753-(Caps) | 25 | - | 1 |
| 3074SM13 | Vanport Limestone | 15 | 182,350 | 2,120 | 15,577-(Caps) | 21 | - | 3 |
| Cooper Bros., Inc. 3175SM14 | None | 25 | - | - | - | 3 | - | - |
| Cooper, H. W. 3075SM6 | None | 25 | - | - | - | 4 | - | - |

| 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 | |
| Allegheny Mineral Co. 3072SM3A | - | - | 494,200 | 200 | - | 494,200 | - | 494,200 | |
| 3074SM13 | - | - | 336,600 | 200 | - | 336,600 | - | 336,600 | |
| Cooper Bros., Inc. 3175SM14 | - | - | 30,000 | 179 | - | 30,000 | - | 30,000 | |
| Cooper, H. W. 3075SM6 | - | - | 80,000 | 210 | - | 80,000 | - | 80,000 | |

CAMBRIA 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 | | | | | |
| Himmel's 4-00629 | None-slate rock | 3 | - | - | - | 2 | - | - | |
| James, Lewis R. 4-00798 | None-sandstone | - | - | - | - | 2 | - | - | |
| Jones, Richard H. 4-00086 | None-shale | 8 | - | - | - | - | - | - | |
| Rose, Donald D. 4-00291 | None-slate | - | - | - | - | - | - | - | |

| 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 | |
| Himmel's 4-00629 | - | - | - | 550 | - | - | - | 550 |
| James, Lewis R. 4-00798 | - | - | 1,200 | - | - | - | - | 1,200 |
| Jones, Richard H. 4-00086 | - | - | - | 120 | - | - | - | - |
| Rose, Donald D. 4-00291 | - | - | - | - | - | - | - | - |

CAMERON 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 | | | | |
| Sinnemahoning Gravel 4673SM11 | None-gravel | 25 | - | - | - | 5 | - | - |

| 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 | |
| Sinnemahoning Gravel 4673SM11 | - | - | 17,900 | 276 | - | - | 17,900 | 17,900 |

CARBON 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 | | | | |
| Alliance Sand Co. 7373SM2 | Oriskany | 90 | 19,550 | - | 11,980 | 9 | - | - |
| Detweiler, Kenneth F. 13852301-01 | None-fill-dirt | 25 | - | - | - | 10 | - | - |
| Eckhart, Douglas 4-00969 | None | - | - | - | - | - | - | - |
| Huss Contracting Co. 737SM4 | None-sandstone | - | - | - | - | - | - | - |
| Jamico, Inc. 5878SM3 | None-shale | 75 | - | - | - | 21 | - | - |
| Refractory Sand Co. 7373SM3 | None-sandstone | 50 | 22,000 | - | 23,000 | 14 | - | 1 |
| The Smith Partnership 13870801-01 | None-shale | 10 | - | - | - | - | - | - |

| 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 | |
| Alliance Sand Co. 7373SM2 | - | - | 88,700 | - | - | 88,700 | - | 88,700 |
| Detweiler, Kenneth F. 13852301-01 | - | - | 2,000 | 160 | - | 2,000 | - | 2,000 |
| Eckhart, Douglas 4-00969 | - | - | 1,900 | 100 | - | 1,900 | - | 1,900 |
| Jamico, Inc. 5878SM3 | - | - | 42,000 | 162 | - | 42,000 | - | - |
| Refractory Sand Co. 7373SM3 | - | - | 197,266 | 275 | - | 197,266 | - | 197,266 |
| The Smith Partnership 13870801-01 | - | - | 200 | 10 | - | 200 | - | 200 |

CENTRE 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 | | | | |
| Glen O. Hawbaker, Inc. 477SM3 | None-limestone | - | - | - | - | 1 | - | - |
| Herbert R. Imbt, Inc. 4575SM10-01 | Trenton | 150 | 405,987 | 16,081 | 3,308 | 21 | - | - |
| 4775SM18-01 | Bel.Ax.Nit.Sthge.Gat* | 120 | 664,000 | 4,480 | 3,222 | 30 | - | - |
| 4775SM21-01 | Os.Revl.Sal.Cob.Val.* | 90 | - | - | - | - | - | - |
| Keystone Pavement 4773SM2 | Coffee Run | 90 | 3,000 | 138 | 10 | 2 | - | - |
| Marblehead Lime Co. 14810401 | Valentine limestone | 75 | 181,700 | - | 162,700 | 20 | - | - |

| 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 | |
| Glen O. Hawbaker, Inc. 477SM3 | - | - | 10,461 | - | - | 10,461 | - | 10,461 |
| Herbert R. Imbt, Inc. 4575SM10-01 | - | - | 441,523 | 179 | - | 441,523 | - | - |
| 4775SM18-01 | - | - | 993,300 | 178 | - | 993,300 | - | - |
| Marblehead Lime Co. 14810401 | 46,181 | - | 137,888 | 300 | - | 110,441 | 73,628 | 184,069 |

* Bel. = Bellefonte Fm.
Ax. = Axeman Fm.
Nit. = Nittanny Fm.
Sthge. = Stonehenge Fm.
Gat = Gatesburg Fm.

* Os. = Oswego SS.
Rev. = Reedsville Sh.
Sal. = Salona Ls.
Cob. = Coburn Ls.
Val. = Valentine Ls.

CHESTER 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 | | | | |
| Atglen Quarry Inc. 4-01014 | None-sandstone | 35 | - | - | - | 1 | - | - |
| The General Crushed Stone Co. 8173SM1 | None-dolomitic limes | 300 | 472,250 | 6,190 | 728,930 | 62 | - | 4 |
| Pennsylvania Granite Corp. 6278031 | Foxhill Quarry Granite | - | - | 2,300 | 5,950 | 24 | - | 6 |
| 15830601 | Cherryhill Quarry Granite | - | - | 200 | - | 24 | - | 6 |
| Valley Forge Stone Co. 6276SM4A2 | None-quartzite | 140 | 20,300 | 366 | 8,735 | 10 | - | 1 |
| Warner Co. 8175SM3 | None-dolo-limestone | 180 | 136,885 | 6,713 | 146,915 | 19 | - | 4 |

| 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 | |
| Atglen Quarry Inc. 4-01014 | - | - | 350 | 35 | - | 350 | - | 350 |
| The General Crushed Stone Co. 8173SM1 | 192,977 | - | 2,400,426 | 238 | - | 1,751,317 | 842,086 | 2,593,403 |
| Pennsylvania Granite Corp. 6278031 | - | - | 64,555 | 286 | - | 405 | 8,595 | 64,555 |
| 15830601 | - | - | 4,425 | 286 | - | - | 4,425 | 4,425 |
| Valley Forge Stone Co. 6276SM4A2 | - | - | 224,810 | 250 | - | 212,495 | 12,315 | 224,810 |
| Warner Co. 8175SM3 | - | - | 406,808 | 234 | - | 388,349 | 18,459 | 406,808 |

CLARION 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- ploves | Fatal Acci- dents | Non- Fatal Acci- dents |
|--|---|-----------|---------------------------|----------|-------------------------------------|-------------------------|-------------------------|---------------------------------|
| | | | Ammonium Nitrate | Dynamite | | | | |
| DGB Trucking 4-00938 | None | - | - | - | - | - | - | - |
| Forrest, Arthur E. 16852303-01 | None-sand/gravel | 20 | - | - | - | - | - | - |
| Glen Gary Corp. 16810330 | L. Clarion clay | 10 | 106,525 | - | - | 3 | - | - |
| 16860310 | L. Clarion clay | 10 | 48,090 | - | - | 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 | |
| DGB Trucking 4-00938 | - | - | - | - | - | - | - | - |
| Forrest, Arthur E. 16852303-01 | - | - | 1,557 | 5 | - | - | - | 1,557 |
| Glen Gary Corp. 16810330 | - | - | - | 200 | - | - | - | - |
| 16860310 | - | - | - | - | - | - | - | - |

CLEARFIELD 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 | | | | |
| Bureau of Forestry 17860803 | None-shale | 10 | - | - | - | 20 | - | - |
| Moshannon Paving Co. 17870801 | None-sandstone | 15 | - | - | - | 3 | - | - |
| Thompson & Phillips Clay Co. 17810136 | None-clay | 5 | 1,725 | 3,135 | - | 5 | - | - |

| 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 | |
| Bureau of Forestry 17860803 | - | - | 100 | | 2 | - | - | - | 100 |
| Moshannon Paving Co. 17870801 | - | - | 500 | | - | - | 500 | - | 500 |
| Thompson & Phillips Clay Co. 17810136 | - | - | 36,917 | | 159 | - | 36,917 | - | 36,917 |

CLINTON 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 | | | | |
| Lycoming Silica Sand 4775SM14 | Coburn/Salona | 1,000 | 53,550 | - | 156,000 | 11 | - | - |
| Mill Hall Clay Prod. 18832301 | Rosehill clay | 20 | - | - | - | 2 | - | - |
| Wolfe Coal & Excavation 4-0109 | None-shale | 30 | - | - | - | 5 | - | - |

| 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 | | | |
| Lycoming Silica Sand 4775SM14 | - | - | 205,991 | 140 | - | 205,991 | - | 205,991 | |
| Mill Hall Clay Prod. 18832301 | - | - | 17,985 | 150 | - | 17,985 | - | - | |
| Wolfe Coal & Excavation 4-0109 | - | - | 1,300 | 30 | - | 1,300 | - | 1,300 | |

COLUMBIA 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 | | | | | |
| Columbia Asphalt Corp. 6374SM1 | None-sandstone | 100 | 76,000 | 1,400 | 6,940 | 4 | - | - | |
| 6375SM2 | None-sandstone | 20 | - | - | - | 5 | - | - | |
| Bartholomew, Clyde 4-00874 | None-shale | 4 | - | - | - | - | - | - | |
| Hock, Ryland 4-0079 | None-shale | 4 | - | - | - | - | - | - | |
| Lycoming Silica Sand 6373SM1 | Tonoloway | 250 | 72,250 | - | 18,810 | 15 | - | 1 | |
| Vincent Const., Inc. 4-01058 | None-shale | 20 | - | - | - | 16 | - | - | |
| Robert C. Young, Inc. 4-00116 | 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 | |
| Columbia Asphalt Corp. 6374SM1 | - | - | 323,000 | 200 | - | 323,000 | - | 323,000 |
| 6375SM2 | - | - | 173,780 | 200 | - | 173,780 | - | 173,780 |
| Bartholomew, Clyde 4-00874 | - | - | - | - | - | - | - | - |
| Hock, Ryland 4-0079 | - | - | - | - | - | 1,000 | - | - |
| Lycoming Silica Sand 6373SM1 | - | - | 286,982 | 140 | - | 286,982 | - | 286,982 |
| Vincent Const., Inc. 4-01058 | - | - | 1,200 | 10 | - | 1,200 | - | 1,200 |
| Robert C. Young, Inc. 4-00116 | - | - | 200 | - | - | 200 | - | 200 |

CRAWFORD 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 | | | | | |
| James B. Bechtel Exc. 20860805-01 | None-sand/gravel | 20 | - | - | - | 1 | - | - | |
| Cornell, Ed 4-00745 | None | 7 | - | - | - | - | - | - | |
| Barnhart, Sam H. & Son 4-00769 | None-sand/gravel | - | - | - | - | - | - | - | |
| Conneaut Lake Sand & Gravel 20810302-01 | None-sand/gravel,glacial | 30 | - | - | - | 9 | - | - | |
| DeHart, Robert 4-01071 | None-bank/gravel | 6 | - | - | - | - | - | - | |
| Foust, Virgil 3076SM8 | None-sand/gravel | 25 | - | - | - | 7 | - | - | |
| 4878NC7 | None-sand/gravel | 25 | - | - | - | 7 | - | - | |
| Glover, Leroy R. 20800302 | None-sand/gravel | 25 | - | - | - | 3 | - | - | |
| Hall, Marvin L. 4-00272 | None-sand/gravel | 22 | - | - | - | - | - | - | |
| Hasbrouck Sand & Gravel 3075SM16 | None-gravel | - | - | - | - | - | - | - | |
| Herrick, E. Charles 20860803 | None-sand/gravel | 15 | - | - | - | - | - | - | |
| Klippel, Donald H. 4-00326 | None-sand/gravel | 10 | - | - | - | 2 | - | - | |
| Lakeland Sand & Gravel, Inc. 4876SM2 | None-sand/gravel | 20 | - | - | - | 12 | - | - | |
| Oskin, David L. 20842304 | None-sand/gravel | 3 | - | - | - | - | - | - | |
| Shevitz, Walter 4-00240 | None-sand/gravel | - | - | - | - | - | - | - | |
| Skidmore & Chah, Inc. 2079301 | None-bank/gravel | 6 | - | - | - | 1 | - | - | |
| Wallach Jr., John Lou 4-00825 | None-sand/gravel | - | - | - | - | 1 | - | - | |
| Wallis, Donald R. 4-00805 | None-aggregate | - | - | - | - | 1 | - | - | |

CRAWFORD COUNTY (Continued)

| 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 | | | | | |
| Watson, Robert E. & Ruth Ann 20840301 | None-sand/gravel | 20 | - | - | - | - | - | - | |
| 20850306 | None-sandstone | 24 | - | - | - | - | - | - | |
| Wood & Barco 4877SM3 | None-sand/gravel | 12 | - | - | - | - | - | - | |
| 4877SM5 | None-sand/gravel | - | - | - | - | - | - | - | |
| 4876SM3 | None-sand/gravel | 18 | - | - | - | - | - | - | |
| Wood Gravel Co. 20820301 | None-shale | 12 | - | - | - | - | - | - | |
| Zimmerman, Noel L. 4-00564 | None-sand/gravel | 24 | - | - | - | - | - | - | |

| 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 | |
| James B. Bechtel Exc. 20860805-01 | - | - | - | 148 | - | 1,463 | - | - |
| Cornell, Ed 4-00745 | - | - | - | 25 | - | - | - | - |
| Barnhart, Sam H. & Son 4-00769 | - | - | - | - | - | - | - | - |
| Conneaut Lake Sand & Gravel 20810302-01 | - | - | 150,000 | 185 | - | 105,000 | 45,000 | 150,000 |
| DeHart, Robert 4-01071 | - | - | 290 | 40 | - | 290 | - | 290 |
| Foust, Virgil 3076SM8 | - | - | 45,696 | 178 | - | 45,696 | - | 45,696 |
| 4878NC7 | - | - | 16,575 | 66 | - | 16,575 | - | 16,575 |
| Glover, Leroy R. 20800302 | - | - | 13,732 | - | - | 13,732 | - | 13,732 |

CRAWFORD 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 | |
| Hall, Marvin L. 4-00272 | - | - | 1,380 | - | - | 1,380 | - | 1,380 |
| Hasbrouck Sand & Gravel 3075SM16 | - | - | 100,000 | 250 | - | 100,000 | - | 100,000 |
| Herrick, E. Charles 20860803 | - | - | 100 | - | - | 100 | - | 100 |
| Klippel, Donald H. 4-00326 | - | - | 1,986 | 9 | - | 1,986 | - | 1,986 |
| Lakeland Sand & Gravel, Inc. 4876SM2 | - | - | 230,810 | 160 | - | 200,000 | 30,800 | 230,810 |
| Oskin, David L. 20842304 | - | - | 60 | 6 | - | 60 | - | 60 |
| Shevitz, Walter 4-00240 | - | - | 1,415 | 53 | - | 1,415 | - | 1,415 |
| Skidmore & Chah, Inc. 2079301 | - | - | 26,585 | 150 | - | 5,583 | 21,002 | 26,585 |
| Wallach Jr., John Louis 4-00825 | - | - | 400 | - | - | 400 | - | 400 |
| Wallis, Donald R. 4-0085 | - | - | 552 | 10 | - | 552 | - | 552 |
| Watson, Robert E. & Ruth Ann 20840301 | - | - | 5,400 | 56 | - | 5,400 | - | 5,400 |
| 20850306 | - | - | 40,400 | 99 | - | 40,400 | - | 40,400 |
| Wood & Barco 4877SM3 | - | - | 5,290 | 13 | - | 5,290 | - | 5,290 |
| 4877SM5 | - | - | 33,600 | 63 | - | 33,600 | - | 33,600 |
| 4876SM3 | - | - | 7,220 | 31 | - | 7,220 | - | 7,220 |
| Wood Gravel Co. 20820301 | - | - | 26,740 | 36 | - | 26,740 | - | 26,740 |
| Zimmerman, Noel L. 4-00564 | - | - | 1,965 | 19 | - | 1,965 | - | 1,965 |

CUMBERLAND 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 | | | | |
| Bender, R. A. & Son 7574SM5 | Antietam | 500 | 78,632 | 702 | 36,010 | 7 | - | - |
| Cumberland Excavating & Paving Co., Inc. 21842301 | None-shale | - | - | - | - | 1 | - | - |
| 21832302 | None-shale | - | - | - | - | 1 | - | - |
| 4-00852 | None-shale | - | - | - | - | 1 | - | - |
| Bureau of Forestry 21860805 | None-gravel | - | - | - | - | 1 | - | - |
| Gleim, Jr., John W., Inc. 21860803 | None-shale | 25 | - | - | - | 12 | - | - |
| E. E. Kough Sons 6476SM9 | None-shale | 12 | - | - | - | 8 | - | - |
| Penn Products Corp. 4-00161 | Reading banks | 10 | - | - | - | - | - | - |
| Pennsy Supply, Inc. 7574SM1 | Chambersburg | 275 | 11,650 | 269,685 | 18,187 | 21 | - | - |
| R & M Excavating 21860801 | None-shale | 10 | - | - | - | 1 | - | - |
| Union Quarries, Inc. 6476SM6 | None-limestone | 100 | 18,146 | 188,884 | - | 30 | - | - |
| Valley Quarries, Inc. 7574SM6 | Stonehenge | 800 | 425,000 | 47,000 | - | 18 | - | - |
| John F. Walter Excavation 6476SM10 | None-slate | 10 | - | - | - | 11 | - | - |
| 6477SM4 | None-fill | 10 | - | - | - | 11 | - | - |
| Wickard, Carroll 4-00219 | None-shale | 6 | - | - | - | - | - | - |

CUMBERLAND 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 | |
| Bender, R. A. & Son 7574SM5 | - | - | 253,257 | 225 | - | 253,257 | - | 253,257 |
| Cumberland Excavating & Paving Co., Inc. | | | | | | | | |
| 21842301 | - | - | 800 | 8 | - | 800 | - | 800 |
| 21832302 | - | - | 200 | 2 | - | 200 | - | 200 |
| 4-00852 | - | - | 1,000 | 10 | - | 1,000 | - | 1,000 |
| Bureau of Forestry | | | | | | | | |
| 21860805 | - | - | 10 | 1 | - | 10 | - | 10 |
| Gleim, Jr., John W., Inc. | | | | | | | | |
| 21860803 | - | - | 1,900 | - | - | 1,900 | - | 1,900 |
| E. E. Kough Sons | | | | | | | | |
| 6476SM9 | - | - | 14,454 | 61 | - | 14,454 | - | 14,454 |
| Penn Products Corp. | | | | | | | | |
| 4-00161 | - | - | 500 | 10 | - | 500 | - | 500 |
| Pennsy Supply, Inc. | | | | | | | | |
| 7574SM1 | - | - | 653,300 | 260 | - | 653,300 | - | 653,300 |
| Union Quarries, Inc. | | | | | | | | |
| 6476SM6 | - | - | 379,491 | 247 | - | 379,491 | - | 379,491 |
| Valley Quarries, Inc. | | | | | | | | |
| 7574SM6 | - | - | 249,000 | 166 | - | 249,000 | - | 249,000 |
| John F. Walter Excavation | | | | | | | | |
| 6476SM10 | - | - | 120,000 | 200 | - | 120,000 | - | 120,000 |
| 6477SM4 | - | - | 122,300 | 200 | - | 122,300 | - | 122,300 |
| Wickard, Carroll | | | | | | | | |
| 4-00219 | - | - | 1,800 | - | - | 1,800 | - | 1,800 |

DAUPHIN 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 | | | | |
| Blue Mountain Bldg. Stone Co. 4-0019 | None-quartzite | 40 | - | - | - | 3 | - | - |
| Faylor-Middlecreek, Inc. 7175SM2 | Pocono | 1000 | 77,600 | 62,120 | - | 13 | - | - |
| Pennsy Supply, Inc. 7175SM3 | None-river sand/gravel | 20 | - | - | - | 11 | - | - |
| 7175SM1 | Beekmantown | 250 | 173,750 | 4,023 | 221,796 | 24 | - | 1 |
| Pennsy Supply, Co. 6377SM1 | Beekmantown | 250 | - | - | - | 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 | |
| Blue Mountain Bldg. Stone Co. 4-0019 | - | - | 1,500 | 50 | - | 1,500 | - | 1,500 |
| Faylor-Middlecreek, Inc. 7175SM2 | - | - | 195,000 | 160 | - | 195,000 | - | 195,000 |
| Pennsy Supply, Inc. 7175SM3 | - | - | 14,748 | 235 | - | 14,748 | - | 14,748 |
| 7175SM1 | - | - | 770,500 | 280 | - | 770,500 | - | 770,500 |
| Pennsy Supply, Co. 6377SM1 | - | - | 500 | 1 | - | 500 | - | 500 |

DELAWARE 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 General Crushed Stone Co. 5273SM2 | Baltimore gneiss | 450 | 226,596 | - | 488,995 | 77 | - | 10 |
| Pyramid Land Development Co. 5273SM1 | None-granite/fill/crushed | 40 | 5,342 | - | 1,790 | 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 | |
| The General Crushed Stone Co. 5273SM2 | 218,025 | - | 1,442,775 | 222 | - | 1,110,800 | 550,000 | 1,660,800 |
| Pyramid Land Development Co. 5273SM1 | - | - | 28,322 | 200 | - | 28,322 | - | 28,322 |