

Mine Injury and Worktime, Quarterly

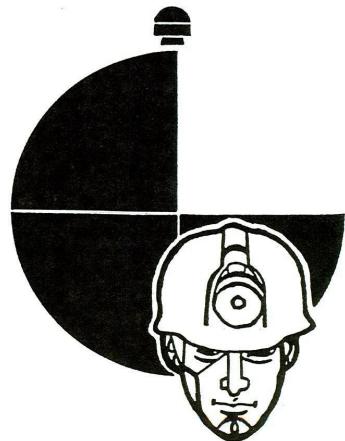


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This publication has been reviewed and approved for distribution to the mining public by the Office of the Assistant Secretary for Mine Safety and Health.

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SCOPE OF DATA AND ITS LIMITATIONS

Enclosed in this packet are informational reports detailing the occupational injury and illness experience of mining, by category, in the United States. Data reported by operators of mining establishments concerning work injuries are summarized by work location, accident classification, part of body injured, nature of injury, and occupation. Related information on employment, worktime, and operating activity is also presented. Data reported by independent contractors performing certain work at mining locations are depicted separately in these reports.

The data are compiled from independent contractor reports and reports by operators of mines for personnel directly engaged in production, cleaning, milling, shipping, development, and maintenance and repair work, including direct supervisory and technical personnel and contract mining services. Reports are submitted as required under the Federal Mine Safety and Health Act of 1977, Public Law 91-173 as amended by Public Law 95-164. Any injuries reported for mines that do not have employee hours on file for the same time period and sub-unit are not counted or used in the computation of incidence rates. Furthermore, data collected for employment and hours worked in those activities reflect the contractor's total metallic/nonmetallic work locations and total coal work locations and not the individual mine sites.

In order to maintain consistency with prior years, fatalities attributed to independent contractor employees are included in chart 1 (see page 3). However, beginning in 1983, tabular data on independent contractors are depicted separately from operator data. Independent contractors are exempt from reporting employment and injury information relating to "low hazard" activities performed at mining operations. Mandatory information now is limited to their activities which involve:

- mine development;
- construction, reconstruction, or demolition of mine facilities;
- construction of dams;
- excavation or earth moving;
- equipment installation, service, or repair;
- material handling;
- drilling or blasting

Please note all current-year data presented in this publication are preliminary and subject to change.

DEFINITIONS AND NOTES

The term “injury,” as used in this publication, includes all reportable occupational injuries and those illnesses which result from a work accident or from exposure involving a single incident in the work environment. A reportable “injury” is an injury to an individual, occurring at a mining operation that requires medical treatment or results in death or loss of consciousness or inability to perform all job duties on any workday after the injury or temporary assignment to other duties or transfer to another job. The injury occurrences are classified according to severity as follows:

1. FATAL: Occurrences resulting in death.
2. NFDL: Nonfatal occurrences with Days Lost (lost workdays). That is, nonfatal injury occurrences than result in days away from work or days of restricted work activity.
3. NDL: Occurrences with No Days Lost. That is, nonfatal injury occurrences resulting only in loss of consciousness or medical treatment other than first aid.

Incidence rates represent the number of injuries that occurred for each 200,000 employee hours worked, computed as follows:

$$IR = (Number\ of\ Injury\ Occurrences \div Number\ of\ Employee\ Hours) \times 200,000$$

In the event that the computation of an incidence rate results in a number less than 0.005, then an asterisk (*) will be shown instead of a number in the tabular location; if the incidence rate is 999.99 or more, then the rate will be shown as 999.99.

“Average number of workers” is a summary of the average number of persons working at individual mining establishments during periods (not necessarily continuous) of active operations.

“Production reported” is the short tons of clean coal reported to MSHA as being produced at active coal mines. This number is self-reported by coal operators.

Chart 1. Number of Fatal Injuries in the U.S. Mining Industries

2021, 2022 and 2023 Q3 | CY 2023 is Preliminary. See page 1 for details.

| | CY 2021 | | | | |
|----|---------|-------|----------|---------------|-------|
| | Coal | Metal | Nonmetal | Sand & Gravel | Stone |
| Q1 | 1 | 2 | 1 | 3 | 1 |
| Q2 | 3 | 3 | | 2 | 1 |
| Q3 | 4 | 3 | | 1 | 3 |
| Q4 | 3 | | | 4 | 3 |

| | CY 2022 | | | | |
|----|---------|-------|----------|---------------|-------|
| | Coal | Metal | Nonmetal | Sand & Gravel | Stone |
| Q1 | 6 | 2 | 1 | 2 | 1 |
| Q2 | | | | | 3 |
| Q3 | 3 | | | 3 | 1 |
| Q4 | 2 | 1 | 1 | 1 | 3 |

| | CY 2023 | | | | |
|----|---------|-------|----------|---------------|-------|
| | Coal | Metal | Nonmetal | Sand & Gravel | Stone |
| Q1 | 3 | 1 | 2 | | 8 |
| Q2 | 3 | 1 | | 3 | 3 |
| Q3 | 2 | 1 | 1 | 2 | 4 |

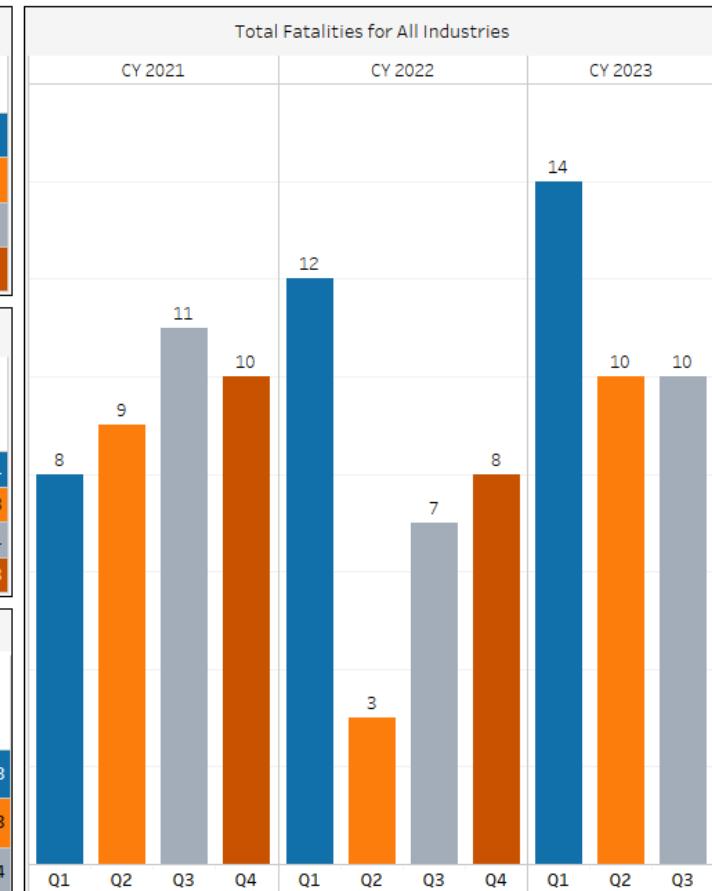


TABLE 1. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES,
EMPLOYEE HOURS, AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION
JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| TYPE OF COAL/WORK LOCATION | Fatal | Fatal IR | NFDL | NFDL IR | NDL | NDL IR | All Occurrences | All Incident Rates | Avg # Emp | Emp Hrs | Production |
|----------------------------|-------|----------|------|---------|-----|--------|-----------------|--------------------|-----------|------------|-------------|
| BITUMINOUS COAL | | | | | | | | | | | |
| UNDERGROUND MINES: | | | | | | | | | | | |
| UNDERGROUND | 4 | 0.020 | 669 | 3.378 | 226 | 1.141 | 899 | 4.539 | 22,423 | 39,612,563 | 164,741,384 |
| SURFACE AT UG | - | - | 22 | 1.623 | 9 | 0.664 | 31 | 2.287 | 1,597 | 2,710,618 | - |
| TOTAL, UNDERGROUND MINES | 4 | 0.019 | 691 | 3.265 | 235 | 1.111 | 930 | 4.395 | 24,020 | 42,323,181 | 164,741,384 |
| SURFACE MINES: | | | | | | | | | | | |
| STRIP MINES | 1 | 0.008 | 88 | 0.724 | 41 | 0.337 | 130 | 1.069 | 15,032 | 24,325,254 | 265,412,563 |
| AUGER MINES | - | - | 2 | 1.232 | 1 | 0.616 | 3 | 1.848 | 242 | 324,694 | 1,662,576 |
| OTHER SURFACE MINES | - | - | - | - | - | - | - | - | 162 | 196,589 | 129,922 |
| TOTAL, SURFACE MINES | 1 | 0.008 | 90 | 0.724 | 42 | 0.338 | 133 | 1.071 | 15,436 | 24,846,537 | 267,205,061 |
| TOTAL, PRODUCTION MINING | 5 | 0.015 | 781 | 2.325 | 277 | 0.825 | 1,063 | 3.165 | 39,456 | 67,169,718 | 431,946,445 |
| PREPARATION PLANTS | - | - | 41 | 1.070 | 24 | 0.627 | 65 | 1.697 | 4,512 | 7,660,950 | - |
| INDEPENDENT SHOPS OR YARDS | - | - | - | - | - | - | - | - | 136 | 235,147 | - |
| TOTAL, OTHER OPERATIONS | - | - | 41 | 1.038 | 24 | 0.608 | 65 | 1.646 | 4,648 | 7,896,097 | - |
| Total, BITUMINOUS COAL | 5 | 0.013 | 822 | 2.190 | 301 | 0.802 | 1,128 | 3.005 | 44,104 | 75,065,815 | 431,946,445 |
| ANTHRACITE COAL | | | | | | | | | | | |
| UNDERGROUND MINES: | | | | | | | | | | | |
| UNDERGROUND | - | - | - | - | - | - | - | - | 24 | 23,305 | 30,197 |
| SURFACE AT UG | - | - | - | - | - | - | - | - | 22 | 14,640 | - |
| TOTAL, UNDERGROUND MINES | - | - | - | - | - | - | - | - | 46 | 37,945 | 30,197 |
| SURFACE MINES: | | | | | | | | | | | |
| STRIP MINES | - | - | 7 | 1.715 | 3 | 0.735 | 10 | 2.450 | 522 | 816,483 | 2,080,871 |
| CULM BANK | - | - | - | - | - | - | - | - | 112 | 143,181 | 88,466 |
| TOTAL, SURFACE MINES | - | - | 7 | 1.455 | 3 | 0.623 | 10 | 2.078 | 636 | 962,404 | 2,181,285 |
| TOTAL, PRODUCTION MINING | - | - | 7 | 1.400 | 3 | 0.600 | 10 | 1.999 | 682 | 1,000,349 | 2,211,482 |
| PREPARATION PLANTS | - | - | 9 | 2.866 | 2 | 0.637 | 11 | 3.503 | 434 | 627,958 | - |
| INDEPENDENT SHOPS OR YARDS | - | - | - | - | - | - | - | - | 16 | 25,379 | - |
| TOTAL, OTHER OPERATIONS | - | - | 9 | 2.755 | 2 | 0.612 | 11 | 3.367 | 450 | 653,337 | - |
| Total, ANTHRACITE COAL | - | - | 16 | 1.935 | 5 | 0.605 | 21 | 2.540 | 1,132 | 1,653,686 | 2,211,482 |
| ALL COAL | | | | | | | | | | | |
| UNDERGROUND MINES: | | | | | | | | | | | |
| UNDERGROUND | 4 | 0.020 | 669 | 3.376 | 226 | 1.140 | 899 | 4.536 | 22,447 | 39,635,868 | 164,771,581 |
| SURFACE AT UG | - | - | 22 | 1.615 | 9 | 0.660 | 31 | 2.275 | 1,619 | 2,725,258 | - |
| TOTAL, UNDERGROUND MINES | 4 | 0.019 | 691 | 3.262 | 235 | 1.110 | 930 | 4.391 | 24,066 | 42,361,126 | 164,771,581 |
| SURFACE MINES: | | | | | | | | | | | |
| STRIP MINES | 1 | 0.008 | 95 | 0.756 | 44 | 0.350 | 140 | 1.114 | 15,554 | 25,141,737 | 267,493,434 |
| AUGER MINES | - | - | 2 | 1.222 | 1 | 0.611 | 3 | 1.832 | 244 | 327,434 | 1,674,524 |
| CULM BANK | - | - | - | - | - | - | - | - | 272 | 337,854 | 218,388 |
| DREDGE | - | - | - | - | - | - | - | - | 2 | 1,916 | - |
| TOTAL, SURFACE MINES | 1 | 0.008 | 97 | 0.752 | 45 | 0.349 | 143 | 1.108 | 16,072 | 25,808,941 | 269,386,346 |
| TOTAL, PRODUCTION MINING | 5 | 0.015 | 788 | 2.312 | 280 | 0.821 | 1,073 | 3.148 | 40,138 | 68,170,067 | 434,157,927 |
| PREPARATION PLANTS | - | - | 50 | 1.206 | 26 | 0.627 | 76 | 1.834 | 4,946 | 8,288,908 | - |
| INDEPENDENT SHOPS/YARDS | - | - | - | - | - | - | - | - | 152 | 260,526 | - |
| TOTAL, OTHER OPERATIONS | - | - | 50 | 1.170 | 26 | 0.608 | 76 | 1.778 | 5,098 | 8,549,434 | - |
| Total, ALL COAL | 5 | 0.013 | 838 | 2.185 | 306 | 0.798 | 1,149 | 2.995 | 45,236 | 76,719,501 | 434,157,927 |
| OFFICEWORKERS | | | | | | | | | | | |
| BITUMINOUS COAL | - | - | 1 | 0.100 | - | - | 1 | 0.100 | 1,472 | 2,001,534 | - |
| ANTHRACITE COAL | - | - | - | - | - | - | - | - | 100 | 123,038 | - |
| TOTAL, OFFICEWORKERS | - | - | 1 | 0.094 | - | - | 1 | 0.094 | 1,572 | 2,124,572 | - |
| GRAND TOTAL | 5 | 0.013 | 839 | 2.128 | 306 | 0.776 | 1,150 | 2.917 | 46,808 | 78,844,073 | 434,157,927 |

TABLE 2. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES,
AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY
JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| WORK LOCATION/MINERAL INDUSTRY | Fatal | Fatal IR | NFDL | NFDL IR | NDL | NDL IR | All Occurrences | All Incident Rates | Avg # Emp | Emp Hrs |
|-----------------------------------------|-------|----------|-------|---------|-----|--------|-----------------|--------------------|-----------|-------------|
| UNDERGROUND MINES | | | | | | | | | | |
| METAL | 2 | 0.032 | 82 | 1.316 | 36 | 0.578 | 120 | 1.925 | 8,371 | 12,464,612 |
| NONMETAL | - | - | 52 | 2.430 | 19 | 0.888 | 71 | 3.318 | 2,777 | 4,279,349 |
| STONE | - | - | 44 | 2.022 | 13 | 0.597 | 57 | 2.619 | 2,647 | 4,352,358 |
| TOTAL, UNDERGROUND MINES | 2 | 0.019 | 178 | 1.687 | 68 | 0.645 | 248 | 2.351 | 13,795 | 21,096,319 |
| SURFACE MINES | | | | | | | | | | |
| METAL | - | - | 205 | 1.737 | 58 | 0.492 | 263 | 2.229 | 15,793 | 23,598,988 |
| NONMETAL | - | - | 64 | 1.232 | 29 | 0.558 | 93 | 1.791 | 6,892 | 10,385,593 |
| STONE | 10 | 0.044 | 308 | 1.351 | 122 | 0.535 | 440 | 1.930 | 30,452 | 45,593,085 |
| SAND AND GRAVEL | 4 | 0.018 | 237 | 1.085 | 120 | 0.549 | 361 | 1.652 | 33,520 | 43,694,122 |
| TOTAL, SURFACE MINES | 14 | 0.023 | 814 | 1.321 | 329 | 0.534 | 1,157 | 1.877 | 86,657 | 123,271,788 |
| TOTAL, MINES | 16 | 0.022 | 992 | 1.374 | 397 | 0.550 | 1,405 | 1.946 | 100,452 | 144,368,107 |
| MILLS | | | | | | | | | | |
| METAL | - | - | 158 | 1.542 | 48 | 0.469 | 206 | 2.011 | 12,841 | 20,486,236 |
| NONMETAL | 1 | 0.011 | 119 | 1.331 | 40 | 0.447 | 160 | 1.789 | 11,448 | 17,884,676 |
| STONE | 4 | 0.018 | 332 | 1.520 | 125 | 0.572 | 461 | 2.111 | 26,896 | 43,683,243 |
| TOTAL, MILLS | 5 | 0.012 | 609 | 1.484 | 213 | 0.519 | 827 | 2.016 | 51,185 | 82,054,155 |
| INDEPENDENT SHOPS AND YARDS | | | | | | | | | | |
| STONE | - | - | - | - | - | - | - | - | 35 | 32,265 |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | 10 | 8,654 |
| TOTAL, INDEPENDENT SHOPS AND YARDS | - | - | - | - | - | - | - | - | 45 | 40,919 |
| ALL MINES, MILLS AND SHOPS | | | | | | | | | | |
| METAL | 2 | 0.007 | 445 | 1.574 | 142 | 0.502 | 589 | 2.083 | 37,005 | 56,549,836 |
| NONMETAL | 1 | 0.006 | 235 | 1.444 | 88 | 0.541 | 324 | 1.991 | 21,117 | 32,549,618 |
| STONE | 14 | 0.030 | 684 | 1.461 | 260 | 0.555 | 958 | 2.046 | 60,030 | 93,660,951 |
| SAND AND GRAVEL | 4 | 0.018 | 237 | 1.085 | 120 | 0.549 | 361 | 1.652 | 33,530 | 43,702,776 |
| TOTAL, ALL MINES, MILLS AND SHOPS | 21 | 0.019 | 1,601 | 1.414 | 610 | 0.539 | 2,232 | 1.971 | 151,682 | 226,463,181 |
| OFFICEWORKERS | | | | | | | | | | |
| METAL | - | - | 5 | 0.139 | 2 | 0.056 | 7 | 0.195 | 4,872 | 7,181,589 |
| NONMETAL | - | - | - | - | 2 | 0.074 | 2 | 0.074 | 3,952 | 5,426,894 |
| STONE | - | - | 4 | 0.054 | - | - | 4 | 0.054 | 10,361 | 14,795,802 |
| SAND AND GRAVEL | - | - | 1 | 0.037 | - | - | 1 | 0.037 | 5,779 | 5,348,157 |
| TOTAL, OFFICEWORKERS | - | - | 10 | 0.061 | 4 | 0.024 | 14 | 0.085 | 24,964 | 32,752,442 |
| SUMMARY TOTAL (INCLUDING OFFICEWORKERS) | | | | | | | | | | |
| METAL | 2 | 0.006 | 450 | 1.412 | 144 | 0.452 | 596 | 1.870 | 41,877 | 63,731,425 |
| NONMETAL | 1 | 0.005 | 235 | 1.238 | 90 | 0.474 | 326 | 1.717 | 25,069 | 37,976,512 |
| STONE | 14 | 0.026 | 688 | 1.269 | 260 | 0.479 | 962 | 1.774 | 70,391 | 108,456,753 |
| SAND AND GRAVEL | 4 | 0.016 | 238 | 0.970 | 120 | 0.489 | 362 | 1.476 | 39,309 | 49,050,933 |
| GRAND TOTAL | 21 | 0.016 | 1,611 | 1.243 | 614 | 0.474 | 2,246 | 1.733 | 176,646 | 259,215,623 |

Table 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | | | | | |
|----------------------------|--------------------|------|-----|--------------------|-----------|--------------------|--------------------|------|-----|--------------------|-----------|-----------------------|---------|-----|-----------|---------|---------|-----------|---------|-----------|-----------|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | | | | | |
| | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | | | | | | | | | | |
| ALABAMA | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25 | 49,371 | | | | | |
| NONMETAL | - | - | - | - | - | - | - | 1 | 1 | 95 | 112,862 | - | - | - | 1 | 136 | 191,286 | | | | |
| STONE | - | - | - | 9 | 12,117 | - | - | 3 | 2 | 809 | 1,301,695 | - | - | - | 21 | 7 | 1,615 | 2,790,047 | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 4 | - | 509 | 869,516 | - | - | - | - | - | - | - | | | |
| TOTAL, M/NM | - | - | - | 9 | 12,117 | - | - | 8 | 3 | 1,413 | 2,284,073 | - | - | - | 22 | 7 | 1,776 | 3,030,704 | | | |
| COAL | 1 | 58 | 9 | 1,611 | 3,260,559 | 8,215,149 | - | 1 | 1 | 308 | 449,345 | 676,419 | - | - | - | 4 | - | 248 | 523,000 | | |
| ALASKA | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | 15 | 7 | 1,099 | 1,609,450 | - | - | 2 | 7 | 764 | 1,243,899 | - | - | - | - | - | 4 | 445 | 917,645 | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | 3 | 732 | - | - | - | - | - | - | - | - | | |
| STONE | - | - | - | - | - | - | - | - | - | 71 | 44,092 | - | - | - | - | - | - | 2 | 967 | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 2 | 3 | 451 | 266,539 | - | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | 15 | 7 | 1,099 | 1,609,450 | - | - | 4 | 10 | 1,289 | 1,555,262 | - | - | - | - | - | 4 | 447 | 918,612 | | |
| COAL | - | - | - | - | - | - | - | - | - | 1 | 83 | 126,999 | 778,189 | - | - | - | 1 | 3 | 3,214 | - | |
| ARIZONA | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | 1 | 1 | 190 | 256,914 | - | - | 123 | 20 | 4,901 | 7,005,128 | - | - | - | - | - | 66 | 16 | 4,011 | 6,285,934 | |
| NONMETAL | - | - | - | - | - | - | - | - | - | 57 | 73,504 | - | - | - | - | - | 1 | 1 | 88 | 138,399 | |
| STONE | - | - | - | - | - | - | - | 2 | 1 | 516 | 647,958 | - | - | - | - | - | 6 | 4 | 413 | 581,137 | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 15 | 7 | 1,530 | 2,229,469 | - | - | - | - | - | - | - | 10 | 8,654 | |
| TOTAL, M/NM | - | 1 | 1 | 190 | 256,914 | - | - | 140 | 28 | 7,013 | 9,956,059 | - | - | - | - | - | 73 | 21 | 4,522 | 7,014,124 | |
| COAL | - | - | - | - | - | - | - | - | - | 34 | 50,370 | - | - | - | - | - | - | - | - | - | |
| ARKANSAS | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | 52 | 64,207 | - | - | - | - | - | 3 | 1 | 227 | 383,836 | |
| NONMETAL | - | - | - | - | - | - | - | - | - | 122 | 162,911 | - | - | - | - | - | 1 | - | 119 | 175,135 | |
| STONE | - | - | - | 20 | 27,610 | - | - | 1 | 3 | 787 | 1,254,021 | - | - | - | - | - | 17 | 5 | 559 | 933,596 | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | 407 | 647,182 | - | - | - | - | - | - | - | - | - | |
| TOTAL, M/NM | - | - | - | 20 | 27,610 | - | - | 1 | 3 | 8 | 1,368 | 2,128,321 | - | - | - | - | - | 21 | 6 | 905 | 1,492,567 |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 484 | - |
| CALIFORNIA | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | 25 | 29,087 | - | - | 6 | - | 455 | 651,614 | - | - | - | - | - | 3 | 3 | 580 | 918,855 | |
| NONMETAL | - | - | - | 7 | 1,064 | - | - | 10 | 2 | 585 | 875,495 | - | - | - | - | - | 3 | 1 | 838 | 1,353,392 | |
| STONE | - | - | - | - | - | - | - | 19 | 6 | 1,014 | 1,494,780 | - | - | - | - | - | 1 | 29 | 3 | 1,060 | 1,728,953 |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 27 | 7 | 2,745 | 4,017,295 | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | 32 | 31,651 | - | - | 62 | 15 | 4,799 | 7,039,184 | - | - | - | - | - | 1 | 35 | 7 | 2,478 | 4,001,200 |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

Table 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | | | | | | | | | | | | |
|----------------------------------------------|--------------------|------|-----|--------------------|-----------|--------------------|--------------------|------|-----|-------|-----------|-----------------------|-----------|---------|------------|-------|------|-----|-----------|---------|------------|-------|------|-----|-----------|---------|---|---|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | | |
| | Fatal | NFDL | NDL | Fatal | NFDL | NDL | Fatal | NFDL | NDL | | | | | | | | | | | | | | | | | | | |
| COLORADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | 2 | - | 219 | 294,711 | - | - | 14 | 2 | 362 | 650,854 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | 7 | 7,825 | - | - | 3 | - | 53 | 87,876 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| STONE | - | - | - | 23 | 33,065 | - | - | 8 | 1 | 306 | 578,577 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 11 | 10 | 1,318 | 1,620,857 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| TOTAL, M/NM | - | 2 | - | 249 | 335,801 | - | - | 36 | 13 | 2,129 | 2,955,764 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| COAL | - | 17 | 2 | 798 | 1,174,622 | 5,411,646 | - | - | 4 | 1 | 330 | 530,848 | 3,324,241 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CONNECTICUT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DELAWARE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FLORIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Table 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | NUMBER OF INJURIES | | | | | | | | | | |
|----------------------------|--------------------|------|-----|-----------|-----------|------------|--------------------|------|-----|-----------|---------|------------|-----------------------|------|-----|-----------|---------|--------------------|------|-----|-----------|---------|--|--|--|--|--|--|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | NUMBER OF INJURIES | | | | | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | | | | | | |
| | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | | | | | | | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | | | | | | | | | | | |
| GEORGIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | 5 | - | 112 | 156,726 | - | | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | 5 | - | 112 | 156,726 | - | | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| GUAM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| HAWAII | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| IDAHO | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | 1 | 4 | 10 | 625 | 852,241 | - | | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | 1 | 4 | 10 | 625 | 852,241 | - | | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| ILLINOIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | 1 | 1 | 211 | 379,691 | - | | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | 1 | 1 | 211 | 379,691 | - | | | | | | | | | | | | | | | | | | | | | | |
| COAL | 1 | 85 | 28 | 1,827 | 3,117,258 | 27,422,344 | | | | | | | | | | | | | | | | | | | | | | |

Table 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | | | | | | | | | | | | |
|----------------------------|--------------------|------|-----|-----------|-----------|------------|--------------------|------|-----|-----------|---------|------------|-----------------------|------|-----|-----------|-----------|------------|-----------|-----------|------------|--------------------|---------|-------|-------|------|-----------|-----------|---------|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | NUMBER OF INJURIES | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS\$ | Production | NUMBER OF INJURIES | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS |
| | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | | | | | | | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs\$ | Production | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | |
| INDIANA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | 23 | 30,661 | | | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | 1 | 1 | 179 | 304,982 | - | | | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | 1 | 1 | 202 | 335,643 | - | | | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | 50 | 13 | 1,312 | 2,431,867 | 10,598,035 | | | | | | | | | | | | | | | | | | | | | | | |
| IOWA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | 4 | 2 | 140 | 237,314 | - | | | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | 4 | - | 247 | 430,953 | - | | | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | 8 | 2 | 387 | 668,267 | - | | | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| KANSAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | 2 | 2 | 122 | 190,155 | - | | | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | - | - | 7 | 10,552 | - | | | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | 2 | 2 | 129 | 200,707 | - | | | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| KENTUCKY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | 11 | 4 | 465 | 687,012 | - | | | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | 11 | 4 | 465 | 687,012 | - | | | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | 113 | 48 | 3,181 | 5,544,268 | 16,493,234 | | | | | | | | | | | | | | | | | | | | | | | |
| LOUISIANA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | 7 | 1 | 399 | 558,729 | - | | | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | 7 | 1 | 399 | 558,729 | - | | | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | |

Table 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | | | | | | | | |
|----------------------------|--------------------|------|-----|----|---------|---------|--------------------|---------|-----|-----------|---------|------------|-----------------------|---|---|---|---|---|-------|------|-----|-----------|---------|---|---|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | | |
| | Fatal | NFDL | NDL | | | | | | | | | | | | | | | | | | | | | | |
| MAINE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | 8 | 1,982 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | 8 | 1,982 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MARYLAND | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | 8 | 8,427 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | 8 | 8,427 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | 1 | 1 | 97 | 171,755 | 311,936 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MASSACHUSETTS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MICHIGAN | - | - | - | - | - | - | 23 | 29,157 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | - | - | - | - | 73 | 135,131 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | 96 | 164,288 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MINNESOTA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Table 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | | |
|----------------------------|--------------------|------|-----|-----------|-----------|--------------------|--------------------|------|-----|-----------|-----------|-----------------------|--------------------|------|-----|-----------|-----------|---------|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | | | Production | NUMBER OF INJURIES | | | | | Production | NUMBER OF INJURIES | | | | EMP HRS | |
| | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | | Fatal | NFDL | NDL | Avg # Emp | | |
| MISSISSIPPI | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 320 | 563,983 | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7,053 | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 324 | 571,036 | | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| MISSOURI | | | | | | | | | | | | | | | | | | |
| METAL | - | 13 | 2 | 615 | 929,816 | - | - | - | - | - | - | - | - | - | 1 | 115 | 165,643 | |
| NONMETAL | - | 2 | - | 26 | 42,111 | - | - | - | - | - | - | - | 7 | 3 | 549 | 896,446 | | |
| STONE | - | 7 | 2 | 403 | 676,970 | - | 1 | 6 | 1 | 1,318 | 1,960,884 | - | 1 | 29 | 16 | 2,125 | 3,361,918 | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 2 | 3 | 273 | 310,898 | - | - | - | - | - | - | |
| TOTAL, M/NM | - | 22 | 4 | 1,044 | 1,648,897 | - | 1 | 8 | 4 | 1,869 | 2,361,881 | - | 1 | 36 | 20 | 2,789 | 4,424,007 | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| MONTANA | | | | | | | | | | | | | | | | | | |
| METAL | - | 22 | 4 | 1,472 | 2,080,103 | - | - | - | - | - | - | - | - | 4 | 3 | 331 | 483,956 | |
| NONMETAL | - | - | - | 12 | 15,331 | - | - | 2 | - | 68 | 86,948 | - | - | 6 | 1 | 151 | 222,272 | |
| STONE | - | - | - | - | - | - | - | 2 | 1 | 145 | 168,340 | - | - | 3 | - | 158 | 234,433 | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 2 | 1 | 555 | 468,317 | - | - | - | - | - | - | |
| TOTAL, M/NM | - | 22 | 4 | 1,484 | 2,075,434 | - | - | 6 | 2 | 980 | 1,016,151 | - | - | 13 | 4 | 640 | 940,661 | |
| COAL | - | 4 | 1 | 180 | 348,295 | 5,651,985 | - | - | 9 | 4 | 615 | 905,643 | 16,009,156 | - | - | - | 99 | 154,549 |
| NEBRASKA | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| STONE | - | 2 | 3 | 217 | 409,616 | - | - | - | - | - | - | - | - | 1 | 2 | 123 | 208,380 | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 1 | - | 56 | 75,507 | - | - | - | - | - | - | |
| TOTAL, M/NM | - | 2 | 3 | 217 | 409,616 | - | - | 4 | - | 397 | 505,755 | - | - | 1 | 2 | 123 | 208,380 | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| NEVADA | | | | | | | | | | | | | | | | | | |
| METAL | 1 | 9 | 6 | 2,811 | 4,329,602 | - | - | - | - | - | - | - | - | 15 | 3 | 2,440 | 3,758,390 | |
| NONMETAL | - | - | - | - | - | - | - | 26 | 12 | 4,760 | 6,854,554 | - | - | 2 | 1 | 485 | 721,984 | |
| STONE | - | - | - | - | - | - | - | 6 | 1 | 294 | 399,074 | - | - | 3 | 3 | 217 | 349,511 | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 3 | - | 194 | 284,490 | - | - | - | - | - | - | |
| TOTAL, M/NM | 1 | 9 | 6 | 2,811 | 4,329,602 | - | - | 6 | 2 | 721 | 969,832 | - | - | 20 | 7 | 3,142 | 4,829,865 | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |

Table 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | |
|----------------------------|--------------------|------|-----|--------------------|---------|------------|--------------------|------|-----|--------------------|-----------|-----------------------|-----------------------|------|-----|-----------|---------|---|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | MILLS AND PREP PLANTS | | | | | | |
| | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | |
| NEW HAMPSHIRE | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | 2 | 1,360 | - | - | - | - | - | - | |
| STONE | - | - | - | - | - | - | - | 2 | - | 151 | 202,502 | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 4 | - | 402 | 393,158 | - | - | - | - | - | - | |
| TOTAL, M/NM | - | - | - | - | - | - | - | 6 | - | 555 | 597,020 | - | - | - | - | - | - | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NEW JERSEY | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | 28 | 46,197 | - | - | - | - | - | - | |
| STONE | - | - | - | - | - | - | - | 10 | 2 | 391 | 705,185 | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 8 | - | 354 | 546,064 | - | - | - | - | - | - | |
| TOTAL, M/NM | - | - | - | - | - | - | - | 18 | 2 | 773 | 1,297,446 | - | - | - | - | - | - | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NEW MEXICO | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | 7 | 1 | 425 | 689,275 | - | - | - | - | - | - | |
| NONMETAL | - | 3 | 3 | 303 | 466,735 | - | - | - | 1 | 214 | 301,802 | - | - | - | - | - | - | |
| STONE | - | - | - | - | - | - | - | 3 | - | 243 | 348,815 | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 2 | 1 | 417 | 517,862 | - | - | - | - | - | - | |
| TOTAL, M/NM | - | 3 | 3 | 303 | 466,735 | - | - | - | 12 | 3 | 1,299 | 1,857,554 | - | - | - | - | - | - |
| COAL | - | 2 | - | 56 | 77,291 | - | - | - | - | 1 | 603 | 897,249 | 5,418,877 | - | - | - | - | - |
| NEW YORK | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | 107 | 162,410 | - | - | - | 1 | 13 | 21,864 | - | - | - | - | - | - | |
| NONMETAL | - | 9 | 1 | 435 | 744,996 | - | - | - | 1 | - | 49 | 43,759 | - | - | - | - | - | - |
| STONE | - | - | - | 21 | 35,925 | - | - | - | 9 | 7 | 923 | 1,275,469 | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 3 | - | 1,147 | 1,151,747 | - | - | - | - | - | - | |
| TOTAL, M/NM | - | 9 | 1 | 563 | 943,331 | - | - | - | 13 | 8 | 2,132 | 2,492,839 | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NORTH CAROLINA | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | 2 | 1,800 | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | 2 | 1 | 403 | 617,761 | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | 4 | 1 | 909 | 1,456,706 | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | 5 | 1 | 290 | 475,510 | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | 11 | 3 | 1,604 | 2,551,777 | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

Table 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | | Surface Operations | | | | | | | MILLS AND PREP PLANTS | | | | | | | | | |
|----------------------------|--------------------|------|-----|-----------|-----------|------------|--------------------|------|-----|-----------|---------|------------|--------------------|-----------------------|-----|-----------|---------|------------|-------|------|-----|-----------|---------|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS |
| | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | | | | | | | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | | | | | |
| NORTH DAKOTA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| OHIO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | 2 | 1 | 296 | 493,587 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| STONE | - | - | - | 94 | 181,434 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| TOTAL, M/NM | - | 2 | 1 | 390 | 675,021 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| COAL | - | 5 | 1 | 123 | 201,525 | 461,373 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| OKLAHOMA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| STONE | - | - | - | 11 | 16,458 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| TOTAL, M/NM | - | - | - | 11 | 16,458 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| OREGON | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| METAL | - | - | - | 3 | 1,200 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| TOTAL, M/NM | - | - | - | 3 | 1,200 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| PENNSYLVANIA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| STONE | - | 6 | 1 | 327 | 523,950 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| TOTAL, M/NM | - | 6 | 1 | 327 | 523,950 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BITUMINOUS COAL | - | 91 | 40 | 2,968 | 5,104,146 | 27,889,801 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| ARTHRACTIC COAL | - | - | - | 35 | 32,205 | 30,197 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| COAL | - | 91 | 40 | 3,003 | 5,136,351 | 27,719,998 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

Table 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | | | | | | | |
|----------------------------|--------------------|------|-----|-----|-----------|--------------------|-------|------|-----|-----------|---------|-----------------------|--------------------|---|---|---|---|---|-------|------|-----|-----------|-----------|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS |
| | Fatal | NFDL | NDL | | | | | | | | | | | | | | | | | | | | |
| PUERTO RICO | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| RHODE ISLAND | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SOUTH CAROLINA | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | 7 | 1 | 436 | 806,008 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 102 | 183,495 |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | 143 | 232,886 |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 3 | 579 | 1,009,293 |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | 7 | 1 | 436 | 806,008 | - | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 3 | 824 | 1,425,674 | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SOUTH DAKOTA | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 46 | 90,736 |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 19 | 25,077 |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 4 | 171 | 273,122 |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 4 | 236 | 388,935 |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TENNESSEE | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | 9 | 3 | 590 | 882,114 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 101 | 144,037 | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 155 | 236,141 | |
| STONE | - | - | 1 | 131 | 193,505 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 4 | 1,115 | 1,750,857 |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | 9 | 4 | 721 | 1,075,619 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 10 | 5 | 1,371 | 2,131,035 |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 7,821 |

Table 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | | Surface Operations | | | | | | | MILLS AND PREP PLANTS | | | | | | |
|----------------------------|--------------------|------|-----|-----------|-----------|------------|--------------------|------|-----|--------------------|------------|------------|-----------|-----------------------|-----|--------------------|-------|-----------|-----------|---------|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | NUMBER OF INJURIES | | | Fatal | NFDL | NDL | NUMBER OF INJURIES | | EMP HRS | | |
| | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | | | | Fatal | NFDL | NDL | | | | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs |
| TEXAS | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | 2 | 1,985 | - | - | - | - | - | - | 10 | 17,727 | |
| NONMETAL | - | 3 | 1 | 39 | 65,396 | - | - | 7 | 5 | 976 | 1,651,203 | - | - | 1 | 12 | 2 | 1,142 | 1,800,748 | | |
| STONE | - | 2 | - | 18 | 31,670 | - | 2 | 27 | 11 | 4,175 | 7,019,742 | - | - | - | 28 | 8 | 2,498 | 4,549,705 | | |
| SAND AND GRAVEL | - | - | - | - | - | - | 1 | 34 | 12 | 4,574 | 7,779,200 | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | 5 | 1 | 57 | 97,066 | - | 3 | 68 | 28 | 9,727 | 16,452,130 | - | - | 1 | 40 | 10 | 3,650 | 6,368,180 | | |
| COAL | - | - | - | - | - | - | 1 | 5 | - | 929 | 1,479,924 | 10,444,862 | - | - | - | - | - | - | - | |
| UTAH | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | 2 | 133 | 192,509 | - | - | 6 | 1 | 1,235 | 1,974,471 | - | - | - | 2 | 4 | 614 | 964,069 | | |
| NONMETAL | - | 2 | 5 | 110 | 130,402 | - | - | 1 | 1 | 164 | 215,993 | - | - | - | 4 | 3 | 301 | 478,027 | | |
| STONE | - | - | - | - | - | - | - | 6 | 2 | 210 | 204,638 | - | - | - | 1 | 1 | 205 | 208,349 | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 5 | 9 | 1,434 | 1,620,840 | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | 2 | 7 | 243 | 322,911 | - | - | 18 | 13 | 3,043 | 4,105,942 | - | - | - | 7 | 8 | 1,120 | 1,740,445 | | |
| COAL | - | 9 | 6 | 1,180 | 1,827,133 | 4,890,494 | - | 1 | 2 | 30 | 33,789 | 66,659 | - | - | - | - | 126 | 135,022 | | |
| VERMONT | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | 26 | 14,842 | - | - | - | - | - | 23 | 29,236 | | |
| STONE | - | 1 | - | 32 | 51,201 | - | - | 3 | 1 | 395 | 441,206 | - | - | - | 8 | - | 255 | 303,417 | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 1 | - | 180 | 117,435 | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | 1 | - | 32 | 51,201 | - | - | 4 | 1 | 601 | 573,483 | - | - | - | 8 | - | 278 | 332,653 | | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| VIRGIN ISLANDS OF THE U S | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 23 | 29,236 | | |
| STONE | - | - | - | - | - | - | - | - | - | 1 | 13 | 17,004 | - | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | 1 | - | 13 | 17,004 | - | - | - | - | - | - | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| VIRGINIA | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | 41 | 43,771 | - | - | - | 1 | 1 | 199 | 305,538 | | |
| STONE | - | - | - | 6 | 6,662 | - | - | 9 | 2 | 730 | 1,170,944 | - | - | - | 12 | 4 | 1,166 | 1,932,419 | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 2 | - | 250 | 343,272 | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | - | - | 6 | 6,662 | - | - | 11 | 2 | 1,021 | 1,557,987 | - | - | - | 13 | 5 | 1,365 | 2,237,957 | | |
| COAL | - | 15 | 10 | 1,378 | 2,413,381 | 5,921,898 | - | - | 6 | 1 | 751 | 1,266,551 | 2,280,773 | - | - | 3 | 5 | 364 | 633,312 | |

Table 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | | | | | | | | | | | | | |
|----------------------------|--------------------|------|-----|--------------------|------------|-------------|--------------------|--------|-----|-----------|---------|------------|-----------------------|--------|---|-------|------|--------|-----------|---------|------------|--------------------|-----|---------|-------|------|-----|-----------|---------|--|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | NUMBER OF INJURIES | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | NUMBER OF INJURIES | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | |
| | Fatal | NFDL | NDL | Fatal | NFDL | NDL | 34 | 47,676 | - | - | - | - | 34 | 67,340 | 1 | 78 | 331 | 95,541 | 2 | 240 | 331,987 | 3 | 300 | 427,528 | - | - | - | - | - | |
| WASHINGTON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | 23 | 28,390 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | - | - | 23 | 28,390 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| WEST VIRGINIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| STONE | - | 4 | - | 106 | 173,832 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | 4 | - | 106 | 173,832 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| COAL | 2 | 241 | 75 | 9,333 | 16,856,831 | 51,873,509 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| WISCONSIN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| WYOMING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| NONMETAL | - | 18 | 3 | 777 | 1,157,330 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | 18 | 3 | 777 | 1,157,330 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| NATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | 2 | 82 | 36 | 8,371 | 12,464,612 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | 52 | 19 | 2,777 | 4,279,349 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| STONE | - | 44 | 13 | 2,647 | 4,352,358 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| TOTAL, M/NM | 2 | 178 | 68 | 13,795 | 21,096,319 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| COAL | 4 | 691 | 235 | 24,079 | 42,361,126 | 164,771,581 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

Table 4. NUMBER OF OPERATOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION
JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Accident Classification | COAL | | | | | | | | | METAL | | | | | | | | | |
|---------------------------------------------|-------------|-----------|-----------|-----------|-----------|----------|--------------------|----------|----------|-------------|----------|----------|---------|-----------|-----------|--------------------|-----------|----------|----|
| | UNDERGROUND | | | SURFACE | | | PREPARATION PLANTS | | | UNDERGROUND | | | SURFACE | | | PREPARATION PLANTS | | | |
| | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | |
| Electrical | - | 5 | 1 | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | |
| Entrapment | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Exploding vessels under pressure | - | 6 | - | - | 2 | - | - | - | 2 | - | - | - | - | - | - | - | - | - | |
| Explosives and breaking agents | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Falling, rolling, or sliding material | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Fall of face, rib, pillar, side or highwall | - | 17 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Fall of roof or back | 1 | 65 | 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Fire | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | |
| Handling material | - | 239 | 72 | - | 23 | 16 | - | 11 | 10 | - | - | - | - | - | - | - | - | - | |
| Handtools | - | 41 | 39 | - | 4 | 7 | - | 5 | 6 | - | - | - | - | - | - | - | - | - | |
| Nonpowered haulage | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| <u>Powered haulage</u> | <u>2</u> | <u>72</u> | <u>20</u> | - | <u>15</u> | <u>3</u> | - | <u>4</u> | <u>1</u> | - | - | - | - | - | - | - | - | - | |
| HAULAGE TRUCKS | - | 3 | 2 | - | 11 | 2 | - | 1 | 1 | - | - | - | - | - | - | - | - | - | |
| FRONT-END LOADERS | 1 | 22 | 8 | - | 4 | 1 | - | 3 | - | - | - | - | - | - | - | - | - | - | |
| ALL OTHER Powered haulage | 1 | 47 | 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Hoisting | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Ignition or explosion of gas or dust | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Impoundment | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Inundation | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| <u>Machinery</u> | <u>110</u> | <u>43</u> | - | <u>10</u> | <u>9</u> | - | <u>3</u> | <u>6</u> | - | <u>1</u> | <u>9</u> | <u>7</u> | - | <u>22</u> | <u>13</u> | - | <u>14</u> | <u>4</u> | |
| DOZER | - | - | - | - | 3 | 2 | - | 1 | - | - | - | - | - | 8 | - | - | - | - | |
| DRILL | - | 3 | - | - | 1 | - | - | - | - | - | - | - | - | 2 | 2 | - | 1 | 1 | |
| ALL OTHER Machinery | - | 107 | 43 | - | 6 | 7 | - | 2 | 6 | - | - | - | - | 11 | 12 | - | 13 | 3 | |
| Slip or fall of person | - | 99 | 17 | - | 39 | 10 | - | 22 | 3 | - | - | - | - | 22 | 5 | - | 44 | 7 | |
| Stepping or kneeling on object | - | 20 | - | - | 1 | - | - | - | - | - | - | - | - | 2 | - | - | 8 | - | |
| Striking or bumping | - | 5 | 7 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | 1 | - | |
| Other | 1 | 10 | 3 | - | 1 | - | - | - | - | - | - | - | - | 2 | - | 7 | 8 | 5 | |
| Total | 4 | 691 | 235 | 1 | 97 | 45 | - | 50 | 26 | - | 2 | 82 | 36 | - | 205 | 58 | - | 158 | 48 |

Table 4. NUMBER OF OPERATOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION
JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| NONMETAL | | | | | | | | | | | STONE | | | | | | SAND / GRAVEL | | | | |
|---------------------------------------------|-------------|------|-----|---------|------|-----|-------|------|-----|-------------|-------|-----|---------|------|-----|-------|---------------|-----|---------|------|-----|
| Accident Classification | UNDERGROUND | | | SURFACE | | | MILLS | | | UNDERGROUND | | | SURFACE | | | MILLS | | | SURFACE | | |
| | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL |
| Electrical | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - |
| Entrapment | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Exploding vessels under pressure | - | 1 | - | - | - | - | - | - | - | 2 | - | - | - | - | - | 2 | - | - | - | 1 | 1 |
| Explosives and breaking agents | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| Falling, rolling, or sliding material | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fall of face, rib, pillar, side or highwall | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fall of roof or back | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fire | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Handling material | - | 18 | 10 | - | 31 | 12 | - | 52 | 21 | - | - | - | - | - | - | - | - | - | 76 | 46 | - |
| Handtools | - | 2 | 4 | - | 5 | 6 | - | 8 | 7 | - | - | - | - | - | - | - | - | - | 31 | 30 | - |
| Nonpowered haulage | - | - | - | - | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| <u>Powered haulage</u> | - | 4 | - | - | 9 | 2 | - | 5 | 1 | - | - | - | - | - | - | - | - | - | 28 | 4 | - |
| HAULAGE TRUCKS | - | 3 | - | - | 5 | - | - | 3 | 1 | - | - | - | - | - | - | - | - | - | 13 | 2 | - |
| FRONT-END LOADERS | - | 1 | - | - | 4 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | 11 | 1 | - |
| ALL OTHER Powered haulage | - | - | - | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | 4 | 1 | - |
| Hoisting | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ignition or explosion of gas or dust | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Impoundment | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Inundation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| <u>Machinery</u> | - | 3 | 2 | - | 5 | 4 | - | 18 | 1 | - | - | - | - | - | - | - | - | - | 17 | 21 | - |
| DOZER | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| DRILL | - | 1 | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | 1 | - |
| ALL OTHER Machinery | - | 2 | 2 | - | 5 | 4 | - | 16 | 1 | - | - | - | - | - | - | - | - | - | 17 | 19 | - |
| Slip or fall of person | - | 19 | 2 | - | 10 | 2 | 1 | 29 | 7 | - | - | - | - | - | - | - | - | - | 64 | 13 | - |
| Stepping or kneeling on object | - | 1 | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - |
| Striking or bumping | - | - | - | - | - | - | - | - | 1 | 3 | - | - | - | - | - | - | - | - | 3 | 2 | - |
| Other | - | 2 | - | - | 3 | 1 | - | 3 | - | - | - | - | - | - | - | - | - | - | 11 | 3 | - |
| Total | - | 52 | 19 | - | 64 | 29 | 1 | 119 | 40 | - | - | - | - | - | - | - | - | - | 237 | 120 | - |
| | - | 44 | 13 | - | 10 | 308 | - | 122 | 4 | - | - | - | - | - | - | - | - | - | - | - | - |

TABLE 5. NUMBER OF CONTRACTOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES,
EMPLOYEE HOURS, AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION
JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| TYPE OF COAL/WORK LOCATION | Fatal | Fatal IR | NFDL | NFDL IR | NDL | NDL IR | All Occurrences | All Incident Rates | Avg # Emp | Emp Hrs | Production |
|----------------------------|-------|----------|------|---------|-----|--------|-----------------|--------------------|-----------|------------|------------|
| BITUMINOUS COAL | | | | | | | | | | | |
| UNDERGROUND MINES: | | | | | | | | | | | |
| UNDERGROUND | - | - | 45 | - | 18 | - | 63 | - | - | - | - |
| SURFACE AT UG | - | - | 14 | - | 4 | - | 18 | - | - | - | - |
| TOTAL, UNDERGROUND MINES | - | - | 59 | - | 22 | - | 81 | - | - | - | - |
| SURFACE MINES: | | | | | | | | | | | |
| STRIP MINES | 2 | - | 26 | - | 7 | - | 35 | - | - | - | - |
| AUGER MINES | - | - | - | - | - | - | - | - | - | - | - |
| CULM BANK | - | - | - | - | - | - | - | - | - | - | - |
| OTHER SURFACE MINES | - | - | 1 | - | - | - | 1 | - | - | - | - |
| DREDGE | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, SURFACE MINES | 2 | - | 27 | - | 7 | - | 36 | - | - | - | - |
| TOTAL, PRODUCTION MINING | 2 | - | 86 | - | 29 | - | 117 | - | - | - | - |
| PREPARATION PLANTS | 1 | - | 19 | - | 5 | - | 25 | - | - | - | - |
| INDEPENDENT SHOPS OR YARDS | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, OTHER OPERATIONS | 1 | - | 19 | - | 5 | - | 25 | - | - | - | - |
| Total, BITUMINOUS COAL | 3 | - | 105 | - | 34 | - | 142 | - | - | - | - |
| ANTHRACITE COAL | | | | | | | | | | | |
| UNDERGROUND MINES: | | | | | | | | | | | |
| UNDERGROUND | - | - | - | - | - | - | - | - | - | - | - |
| SURFACE AT UG | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, UNDERGROUND MINES | - | - | - | - | - | - | - | - | - | - | - |
| SURFACE MINES: | | | | | | | | | | | |
| STRIP MINES | - | - | 4 | - | - | - | 4 | - | - | - | - |
| CULM BANK | - | - | - | - | - | - | - | - | - | - | - |
| DREDGE | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, SURFACE MINES | - | - | 4 | - | - | - | 4 | - | - | - | - |
| TOTAL, PRODUCTION MINING | - | - | 4 | - | - | - | 4 | - | - | - | - |
| PREPARATION PLANTS | - | - | - | - | - | - | - | - | - | - | - |
| INDEPENDENT SHOPS OR YARDS | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, OTHER OPERATIONS | - | - | - | - | - | - | - | - | - | - | - |
| Total, ANTHRACITE COAL | - | - | 4 | - | - | - | 4 | - | - | - | - |
| ALL COAL | | | | | | | | | | | |
| UNDERGROUND MINES: | | | | | | | | | | | |
| UNDERGROUND | - | - | 45 | 2.381 | 18 | 0.952 | 63 | 3.334 | 4,146 | 3,779,760 | 251,093 |
| SURFACE AT UG | - | - | 14 | 0.915 | 4 | 0.261 | 18 | 1.176 | 3,779 | 3,061,356 | - |
| TOTAL, UNDERGROUND MINES | - | - | 59 | 1.725 | 22 | 0.643 | 81 | 2.368 | 7,925 | 6,841,116 | 251,093 |
| SURFACE MINES: | | | | | | | | | | | |
| STRIP MINES | 2 | 0.062 | 30 | 0.924 | 7 | 0.216 | 39 | 1.201 | 7,226 | 6,493,338 | 242,459 |
| AUGER MINES | - | - | - | - | - | - | - | - | 82 | 55,385 | - |
| CULM BANK | - | - | 1 | 0.648 | - | - | 1 | 0.648 | 287 | 308,863 | 192,497 |
| DREDGE | - | - | - | - | - | - | - | - | 21 | 11,886 | - |
| TOTAL, SURFACE MINES | 2 | 0.058 | 31 | 0.903 | 7 | 0.204 | 40 | 1.165 | 7,616 | 6,869,472 | 434,956 |
| TOTAL, PRODUCTION MINING | 2 | 0.029 | 90 | 1.313 | 29 | 0.423 | 121 | 1.765 | 15,541 | 13,710,588 | 686,049 |
| PREPARATION PLANTS | 1 | 0.061 | 19 | 1.156 | 5 | 0.304 | 25 | 1.521 | 3,988 | 3,286,634 | - |
| INDEPENDENT SHOPS/YARDS | - | - | - | - | - | - | - | - | 41 | 65,616 | - |
| TOTAL, OTHER OPERATIONS | 1 | 0.060 | 19 | 1.134 | 5 | 0.298 | 25 | 1.492 | 4,029 | 3,352,250 | - |
| Total, ALL COAL | 3 | 0.035 | 109 | 1.278 | 34 | 0.399 | 146 | 1.711 | 19,570 | 17,062,838 | 686,049 |
| OFFICEWORKERS | | | | | | | | | | | |
| BITUMINOUS COAL | - | - | - | - | - | - | - | - | - | - | - |
| ANTHRACITE COAL | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, OFFICEWORKERS | - | - | - | - | - | - | - | - | 490 | 464,515 | - |
| GRAND TOTAL | 3 | 0.034 | 109 | 1.244 | 34 | 0.388 | 146 | 1.666 | 20,060 | 17,527,353 | 686,049 |

TABLE 6. NUMBER OF CONTRACTOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES,
AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY
JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| WORK LOCATION/MINERAL INDUSTRY | Fatal | Fatal IR | NFDL | NFDL IR | NDL | NDL IR | All Occurrences | All Incident Rates | Avg # Emp | Emp Hrs |
|-----------------------------------------|-------|----------|------|---------|-----|--------|-----------------|--------------------|-----------|------------|
| UNDERGROUND MINES | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | 24 | 0.720 | 16 | 0.480 | 40 | 1.200 | - | - |
| NONMETAL | - | - | 3 | - | 1 | - | 4 | - | - | - |
| STONE | - | - | 5 | - | 1 | - | 6 | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - |
| TOTAL, UNDERGROUND MINES | - | - | 32 | 0.960 | 18 | 0.540 | 50 | 1.500 | 7,782 | 6,665,528 |
| SURFACE MINES | - | - | - | - | - | - | - | - | - | - |
| METAL | 1 | - | 48 | 0.269 | 24 | 0.134 | 73 | 0.409 | - | - |
| NONMETAL | 2 | - | 11 | - | 11 | - | 24 | - | - | - |
| STONE | 1 | - | 52 | - | 20 | - | 73 | - | - | - |
| SAND AND GRAVEL | 1 | - | 10 | - | 10 | - | 21 | - | - | - |
| TOTAL, SURFACE MINES | 5 | - | 121 | 0.678 | 65 | 0.364 | 191 | 1.070 | 44,105 | 35,713,834 |
| TOTAL, MINES | 5 | 0.024 | 153 | 0.722 | 83 | 0.392 | 241 | 1.137 | 51,887 | 42,379,362 |
| MILLS | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | 22 | 0.242 | 16 | 0.176 | 38 | 0.419 | - | - |
| NONMETAL | - | - | 6 | - | 1 | - | 7 | - | - | - |
| STONE | - | - | 27 | - | 22 | - | 49 | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - |
| TOTAL, MILLS | - | - | 55 | 0.606 | 39 | 0.430 | 94 | 1.036 | 17,816 | 18,144,684 |
| INDEPENDENT SHOPS AND YARDS | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - |
| TOTAL, INDEPENDENT SHOPS AND YARDS | - | - | - | - | - | - | - | - | 14 | 8,057 |
| ALL MINES, MILLS AND SHOPS | - | - | - | - | - | - | - | - | - | - |
| METAL | 1 | - | 94 | 0.311 | 56 | 0.185 | 151 | 0.499 | - | - |
| NONMETAL | 2 | - | 20 | - | 13 | - | 35 | - | - | - |
| STONE | 1 | - | 84 | - | 43 | - | 128 | - | - | - |
| SAND AND GRAVEL | 1 | - | 10 | - | 10 | - | 21 | - | - | - |
| TOTAL, ALL MINES, MILLS AND SHOPS | 5 | 0.017 | 208 | 0.687 | 122 | 0.403 | 335 | 1.107 | 69,717 | 60,532,103 |
| OFFICEWORKERS | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | 1 | 0.096 | 1 | 0.096 | 2 | 0.191 | - | - |
| NONMETAL | - | - | - | - | 2 | - | 2 | - | - | - |
| STONE | - | - | 1 | - | - | - | 1 | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - |
| TOTAL, OFFICEWORKERS | - | - | 2 | 0.191 | 3 | 0.287 | 5 | 0.478 | 2,238 | 2,091,521 |
| SUMMARY TOTAL (INCLUDING OFFICEWORKERS) | - | - | - | - | - | - | - | - | - | - |
| METAL | 1 | - | 95 | 0.303 | 57 | 0.182 | 153 | 0.489 | - | - |
| NONMETAL | 2 | - | 20 | - | 15 | - | 37 | - | - | - |
| STONE | 1 | - | 85 | - | 43 | - | 129 | - | - | - |
| SAND AND GRAVEL | 1 | - | 10 | - | 10 | - | 21 | - | - | - |
| GRAND TOTAL | 5 | 0.016 | 210 | 0.671 | 125 | 0.399 | 340 | 1.086 | 71,955 | 62,623,624 |

Table 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | | Surface Operations | | | | | | | MILLS AND PREP PLANTS | | | | | | | | | |
|----------------------------|--------------------|------|-----|-----------|---------|------------|--------------------|------|-----|-----------|---------|------------|--------------------|-----------------------|-----|-----------|---------|------------|-------|------|-----|-----------|---------|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS |
| | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | | | | | |
| ALABAMA | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| STONE | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| COAL | - | 4 | 3 | - | - | - | | | | | | | | | | | | | | | | | |
| ALASKA | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | 4 | 1 | - | - | - | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| STONE | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | 4 | 1 | - | - | - | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| ARIZONA | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | 1 | 1 | - | - | - | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| STONE | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | 1 | 1 | - | - | - | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| ARKANSAS | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| STONE | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| CALIFORNIA | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| STONE | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |

Table 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | Surface Operations | | | | | | Mills and Prep Plants | | | | |
|----------------------------------------------|--------------------|------|-----|--------------------|------|--------------------|--------------------|---------|------------|-------|------|-----------------------|-----------|---------|------------|--|
| State and Mineral Industry | Number of Injuries | | | Number of Injuries | | | Number of Injuries | | | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | |
| | Fatal | NFDL | NDL | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | | | | | | | |
| COLORADO | | | | | | | | | | | | | | | | |
| METAL | - | | 1 | | | 1 | | | | | | | | | | |
| NONMETAL | - | | - | | | - | | | | | | | | | | |
| STONE | - | | - | | | - | | | | | | | | | | |
| SAND AND GRAVEL | - | | - | | | - | | | | | | | | | | |
| TOTAL, M/NM | - | | 1 | | | 1 | | | | | | | | | | |
| COAL | - | | 4 | | | 4 | | | | | | | | | | |
| COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS | | | | | | | | | | | | | | | | |
| METAL | - | | - | | | - | | | | | | | | | | |
| NONMETAL | - | | - | | | - | | | | | | | | | | |
| STONE | - | | - | | | - | | | | | | | | | | |
| SAND AND GRAVEL | - | | - | | | - | | | | | | | | | | |
| TOTAL, M/NM | - | | - | | | - | | | | | | | | | | |
| COAL | - | | - | | | - | | | | | | | | | | |
| CONNECTICUT | | | | | | | | | | | | | | | | |
| METAL | - | | - | | | - | | | | | | | | | | |
| NONMETAL | - | | - | | | - | | | | | | | | | | |
| STONE | - | | - | | | - | | | | | | | | | | |
| SAND AND GRAVEL | - | | - | | | - | | | | | | | | | | |
| TOTAL, M/NM | - | | - | | | - | | | | | | | | | | |
| COAL | - | | - | | | - | | | | | | | | | | |
| DELAWARE | | | | | | | | | | | | | | | | |
| METAL | - | | - | | | - | | | | | | | | | | |
| NONMETAL | - | | - | | | - | | | | | | | | | | |
| STONE | - | | - | | | - | | | | | | | | | | |
| SAND AND GRAVEL | - | | - | | | - | | | | | | | | | | |
| TOTAL, M/NM | - | | - | | | - | | | | | | | | | | |
| COAL | - | | - | | | - | | | | | | | | | | |
| FLORIDA | | | | | | | | | | | | | | | | |
| METAL | - | | - | | | - | | | | | | | | | | |
| NONMETAL | - | | - | | | - | | | | | | | | | | |
| STONE | - | | - | | | - | | | | | | | | | | |
| SAND AND GRAVEL | - | | - | | | - | | | | | | | | | | |
| TOTAL, M/NM | - | | - | | | - | | | | | | | | | | |
| COAL | - | | - | | | - | | | | | | | | | | |

Table 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | |
|----------------------------|--------------------|------|-----|--------------------|---------|------------|--------------------|------|-----|--------------------|---------|--------------------|-----------------------|------|-----|-----------|---------|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | NUMBER OF INJURIES | | | | | |
| | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs |
| GEORGIA | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | 2 | 3 | - | - | - | - | - | - | 2 | - | - |
| STONE | - | - | - | - | - | - | - | 2 | 2 | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | 2 | 5 | 2 | - | - | - | - | - | 2 | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| GUAM | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HAWAII | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| IDAHO | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | 1 | 2 | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | 3 | 2 | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ILLINOIS | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - |
| COAL | - | - | 3 | 5 | - | - | - | 1 | - | - | - | - | - | - | 3 | 1 | - |

Table 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | | Surface Operations | | | | | | | MILLS AND PREP PLANTS | | | | | | | | | |
|----------------------------|--------------------|------|-----|-----------|---------|------------|--------------------|------|-----|-----------|---------|------------|--------------------|-----------------------|-----|-----------|---------|------------|-------|------|-----|-----------|---------|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS |
| | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | | | | | | | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | | | | | |
| INDIANA | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | 1 | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | 1 | - | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | 1 | - | |
| IOWA | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| STONE | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | |
| TOTAL, M/NM | - | - | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - | - | - | - | - | - | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| KANSAS | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| KENTUCKY | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | |
| COAL | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | 1 | - | |
| LOUISIANA | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

Table 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | | | | | | | | | | | | |
|----------------------------|--------------------|------|-----|--------------------|------|-----|--------------------|---------|------------|-----------|---------|------------|-----------------------|---------|------------|-------|------|-----|-----------|---------|------------|--------------------|------|-----|-----------|---------|-----|-----------|---------|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | NUMBER OF INJURIES | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | NUMBER OF INJURIES | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS |
| | Fatal | NFDL | NDL | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | | | |
| MAINE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| MARYLAND | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| MASSACHUSETTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| MICHIGAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| MINNESOTA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |

Table 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | | Surface Operations | | | | | | | Mills and Prep Plants | | | | | | |
|----------------------------|--------------------|------|-----|-----------|---------|------------|--------------------|-------|------|-----|-----------|---------|------------|-----------------------|-------|------|-----|-----------|---------|---|
| State and Mineral Industry | Number of Injuries | | | Avg # Emp | Emp Hrs | Production | Number of Injuries | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | Number of Injuries | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | |
| | Fatal | NFDL | NDL | | | | | | | | | | | | | | | | | |
| MISSISSIPPI | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MISSOURI | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - |
| TOTAL, M/NM | - | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MONTANA | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | 3 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | 3 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NEBRASKA | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NEVADA | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | 7 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | 7 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Table 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | | | | | | | | |
|----------------------------|--------------------|------|-----|---|---|--------------------|-------|------|-----|-----------|---------|-----------------------|-------|------|-----|-----------|---------|------------|-------|------|-----|-----------|---------|---|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | |
| | Fatal | NFDL | NDL | | | | | | | | | | | | | | | | | | | | | |
| NEW HAMPSHIRE | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NEW JERSEY | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NEW MEXICO | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NEW YORK | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NORTH CAROLINA | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Table 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | | | | | | | |
|----------------------------|--------------------|------|-----|--|--|--------------------|-------|------|-----|-----------|---------|-----------------------|-------|------|-----|-----------|---------|------------|-------|------|-----|-----------|---------|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | Fatal | NFDL | NDL | AVG # EMP | EMP HRS |
| | Fatal | NFDL | NDL | | | | | | | | | | | | | | | | | | | | |
| NORTH DAKOTA | | | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| OHIO | | | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| OKLAHOMA | | | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| OREGON | | | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PENNSYLVANIA | | | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| METAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| BITUMINOUS COAL | - | 14 | 5 | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ARTHRACTITE COAL | - | - | - | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | 14 | 5 | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Table 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | | Surface Operations | | | | | | | MILLS AND PREP PLANTS | | | | |
|----------------------------|--------------------|------|-----|--------------------|---------|------------|--------------------|--------------------|-----|-----------|--------------------|------------|--------------------|-----------------------|-----|-----------|---------|---|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | | | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | NUMBER OF INJURIES | | | | | |
| | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | |
| PUERTO RICO | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| RHODE ISLAND | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SOUTH CAROLINA | | | | | | | | | | | | | | | | | | |
| METAL | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SOUTH DAKOTA | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TENNESSEE | | | | | | | | | | | | | | | | | | |
| METAL | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| STONE | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL, M/NM | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Table 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | | | | | | | | | | | | | |
|----------------------------|--------------------|------|-----|--------------------|------|--------------------|-------|------|-----|-----------|---------|-----------------------|--------------------|------|-----|-----------|---------|------------|-----------|---------|------------|--------------------|---------|---|-------|------|-----|-----------|---------|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | NUMBER OF INJURIES | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | NUMBER OF INJURIES | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | NUMBER OF INJURIES | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS |
| | Fatal | NFDL | NDL | Fatal | NFDL | NDL | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | | | | | | |
| TEXAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| UTAH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | 2 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| TOTAL, M/NM | - | - | 2 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| COAL | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| VERMONT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| VIRGIN ISLANDS OF THE U S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| COAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| VIRGINIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| NONMETAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| STONE | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| TOTAL, M/NM | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| COAL | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |

Table 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Underground Mines | | | | | | Surface Operations | | | | | | MILLS AND PREP PLANTS | | | | | | | | | | | | | | | |
|----------------------------|--------------------|------|-----|-----------|-----------|--------------------|-------|------|-----|-----------|---------|-----------------------|-------|------|-----|-----------|---------|------------|-------|------|-----|-----------|---------|--|--|--|--|
| STATE AND MINERAL INDUSTRY | NUMBER OF INJURIES | | | | | | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | Production | Fatal | NFDL | NDL | AVG # EMP | EMP HRS | | | | |
| | Fatal | NFDL | NDL | Avg # Emp | Emp Hrs | Production | | | | | | | | | | | | | | | | | | | | | |
| WASHINGTON | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| WEST VIRGINIA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | 1 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | 1 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | 29 | 3 | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| WISCONSIN | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| WYOMING | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | 1 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | 1 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| NATION | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METAL | - | 24 | 16 | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| NONMETAL | - | 3 | 1 | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| STONE | - | 5 | 1 | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| SAND AND GRAVEL | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | |
| TOTAL, M/NM | - | 32 | 18 | 7,782 | 6,665,528 | - | | | | | | | | | | | | | | | | | | | | | |
| COAL | - | 59 | 22 | 7,925 | 6,841,116 | 251,093 | | | | | | | | | | | | | | | | | | | | | |

Table 8. NUMBER OF CONTRACTOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION
JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| Accident Classification | COAL | | | | | | | | | METAL | | | | | | | | |
|---------------------------------------------|-------------|------|-----|---------|------|-----|--------------------|------|-----|-------------|------|-----|---------|------|-----|--------------------|------|-----|
| | UNDERGROUND | | | SURFACE | | | PREPARATION PLANTS | | | UNDERGROUND | | | SURFACE | | | PREPARATION PLANTS | | |
| | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL |
| Electrical | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| Entrapment | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Exploding vessels under pressure | - | - | 1 | - | - | - | - | - | - | - | 4 | - | - | 1 | - | - | - | - |
| Explosives and breaking agents | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Falling, rolling, or sliding material | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| Fall of face, rib, pillar, side or highwall | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fall of roof or back | - | 3 | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - |
| Fire | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Handling material | - | 20 | 12 | - | 8 | 4 | - | 9 | 2 | - | 7 | 7 | - | 16 | 11 | - | 6 | 6 |
| Handtools | - | 5 | 2 | - | 2 | - | - | 2 | 2 | - | 1 | 3 | - | 8 | 6 | - | 1 | 1 |
| Nonpowered haulage | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| <u>Powered haulage</u> | - | 6 | 2 | - | 4 | - | - | 2 | - | - | 2 | 1 | 1 | 6 | 1 | - | 1 | - |
| HAULAGE TRUCKS | - | 1 | - | - | 1 | - | - | 2 | - | - | 1 | 1 | 1 | 5 | 1 | - | - | - |
| FRONT-END LOADERS | - | 1 | 1 | - | 3 | - | - | - | - | - | 1 | - | - | 1 | - | - | - | - |
| ALL OTHER Powered haulage | - | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Hoisting | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ignition or explosion of gas or dust | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Impoundment | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Inundation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| <u>Machinery</u> | - | 7 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | - | 2 | 4 | - | 5 | 2 | - | 3 | 4 |
| DOZER | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DRILL | - | 1 | - | - | 1 | - | - | - | - | - | 2 | - | - | - | - | - | 1 | - |
| ALL OTHER Machinery | - | 6 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | - | 3 | - | 3 | 2 | - | 2 | 4 | - |
| Slip or fall of person | - | 15 | 1 | - | 12 | 1 | - | 5 | - | - | 4 | 1 | - | 9 | 2 | - | 9 | 2 |
| Stepping or kneeling on object | - | 2 | 1 | - | 1 | - | - | - | - | - | 1 | - | - | 2 | - | - | 1 | - |
| Striking or bumping | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | - | - | - | - |
| Other | - | 1 | - | - | 1 | 1 | - | - | - | - | - | - | - | 1 | 1 | - | 1 | 1 |
| Total | - | 59 | 22 | 2 | 31 | 7 | 1 | 19 | 5 | - | 24 | 16 | 1 | 48 | 24 | - | 22 | 16 |

Table 8. NUMBER OF CONTRACTOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION
JANUARY - SEPTEMBER 2023 (PRELIMINARY)

| NONMETAL | | | | | | | | | | | | STONE | | | | | | | | | | | | SAND / GRAVEL | | | | |
|---------------------------------------------|-------------|------|-----|---------|------|-----|-------|------|-----|-------------|------|-------|---------|------|-----|-------|------|-----|---------|------|-----|-------|------|---------------|---|---|----|----|
| Accident Classification | UNDERGROUND | | | SURFACE | | | MILLS | | | UNDERGROUND | | | SURFACE | | | MILLS | | | SURFACE | | | | | | | | | |
| | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | FATAL | NFDL | NDL | | | | |
| Electrical | - | - | - | 2 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| Entrapment | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| Exploding vessels under pressure | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | 1 | - | - | 1 | - | - | - | - | - | - | - | | |
| Explosives and breaking agents | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Falling, rolling, or sliding material | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | | |
| Fall of face, rib, pillar, side or highwall | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | | |
| Fall of roof or back | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Fire | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | |
| Handling material | - | - | 1 | - | 3 | 5 | - | 1 | - | - | - | - | - | - | - | - | 2 | 1 | - | 10 | 7 | - | 6 | 13 | - | 3 | 3 | |
| Handtools | - | 1 | - | - | 1 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 6 | - | 2 | 3 | - | 1 | 2 | | |
| Nonpowered haulage | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| <u>Powered haulage</u> | - | 1 | - | - | 2 | - | - | 3 | - | - | - | - | - | - | - | - | - | - | 5 | 1 | - | 2 | - | - | - | 2 | - | |
| HAULAGE TRUCKS | - | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | 1 | - | - | - | - | 2 | |
| FRONT-END LOADERS | - | - | - | - | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | 1 | - | - | - | - | - | |
| ALL OTHER Powered haulage | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Hoisting | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Ignition or explosion of gas or dust | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Impoundment | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Inundation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| <u>Machinery</u> | - | - | - | - | 1 | - | - | 1 | - | - | - | - | - | - | - | - | 1 | - | 1 | 9 | 2 | - | 4 | 3 | - | 1 | 2 | 3 |
| DOZER | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | 1 | - | - | |
| DRILL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | 2 | - | |
| ALL OTHER Machinery | - | - | - | - | 1 | - | - | 1 | - | - | - | - | - | - | - | - | 1 | - | 6 | 2 | - | 4 | 3 | - | - | - | 3 | |
| Slip or fall of person | - | 1 | - | - | 4 | 1 | - | - | - | 1 | - | - | - | - | - | - | 1 | - | 15 | 3 | - | 12 | - | - | - | 3 | - | |
| Stepping or kneeling on object | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | |
| Striking or bumping | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 1 | - | - | - | - | - | |
| Other | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 4 | - | - | - | 1 | - | - | - | 1 | - | |
| Total | - | 3 | 1 | 2 | 11 | 11 | - | 6 | 1 | - | - | - | - | - | - | - | 5 | 1 | 1 | 51 | 20 | - | 27 | 22 | - | 1 | 10 | 10 |