

SAND & GRAVEL OPERATOR MINING FACTS – 2006

Mining Operations

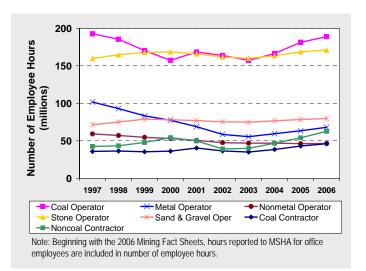
In 2006, a total of 7,178 sand and gravel mining operations reported employment to the Mine Safety and Health Administration (MSHA).¹

- Sand and gravel mines were the largest mining sector, comprising 48.2% of all mining operations.
- Sand and gravel mines were found throughout all 50 states and Puerto Rico.

Employees

A total of 46,069 employees,² corresponding to 39,796 full-time equivalent (FTE)³ employees, were reported by sand and gravel mine operators.

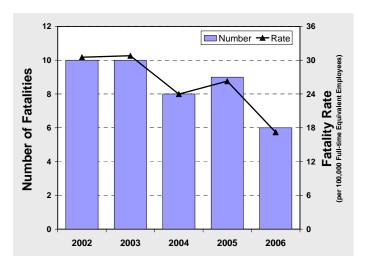
• Within the mining sectors, 4 sand and gravel mine operator employees accounted for 12.0% of all employee hours reported to MSHA.



Fatalities

Six work-related fatalities occurred among sand and gravel operator employees in 2006. This compared to nine fatalities in 2005.

• The sand and gravel mine operator fatality rate was 17.2 fatalities per 100,000 FTE employees.



Nonfatal Lost-time Injuries

There were 795 nonfatal lost-time injuries among sand and gravel operator employees occurring at a rate of 2.3 injuries per 100 FTE employees. A total of 41,842 days lost⁵ from work resulted from these injuries.

- The most frequent classifications of nonfatal lost-time injuries for sand and gravel operator employees involved handling materials (n=263; 33.1%) and slip or fall of person (n=215; 27.0%).
- Sprains and strains were the most frequently reported nature of injury (n=300; 37.7%).
- The back was the most frequently reported body part injured (n=147; 18.5%) followed by fingers (n=106; 13.3%). Back injuries represented 6,761 days lost from work; finger injuries represented 5,339 days lost.







Mine and Employment Characteristics, 2006 Number of Mining Operations¹ Number of Employees² Number of FTE Employees³ Commodity and Underground Underground Surface Type of Employer Surface **Total** Underground **Surface** Total Coal Operator 675 1,438 2,113 38,253 47,440 85,693 42,598 51,897 94,495 Metal Operator 188 280 4,539 28,335 32,874 4,575 29,397 33,972 92 Nonmetal Operator 46 695 741 2,374 20,677 23,051 2,415 20,806 23,221 Stone Operator 4,451 4,573 1,877 80,706 82,583 2,154 83,247 85,402 122 Sand and Gravel Operator 7,178 NA 46,069 46,069 NA 39,796 39,796 NA 7,178 **Operator Total** 935 13,950 14,885 47,043 223,227 270,270 51,742 225,144 276,886 **Number of Companies** Coal Contractor NA 2,724 4,762 32,520 37,282 2,903 20,175 23,078 NA NA 4,686 31,294 Noncoal Contractor NA 1,815 54,130 55,945 1,401 29,893 **Contractor Total** NA NA 7,410 6,577 86,650 93,227 4,304 50,068 54,372 **TOTAL** 53,620 309,877 363,497 56,046 275,212 331,258

Mining Occupational Fatalities and Injuries, 2006 Occupational Fatalities (per 100,000 FTE employees) Nonfatal Lost-time Injuries (per 100 FTE employees) **Underground** Surface **Underground** Total **Surface Total** Commodity and Type of Employer No. Rate No. Rate No. Rate No. Rate No. Rate No. Rate Coal Operator 36 84.5 6 12.4 42 46.2 2,218 5.2 803 1.7 3,021 3.3 Metal Operator 0 3 11.9 3 10.1 141 524 2.1 665 2.2 0.0 3.1 0 0 0 2.0 Nonmetal Operator 0.0 0.0 0.0 73 3.0 344 417 2.1 0 0.0 10 10 2.0 2,038 2.8 2,081 Stone Operator 13.8 13.4 43 2.8 Sand and Gravel Operator NA NA 6 17.2 6 17.2 NA NA 795 2.3 795 2.3 25 61 2,475 **Operator Total** 36 69.6 12.6 24.4 4.8 4,504 2.3 6,979 2.8 Coal Contractor 34.4 4 20.9 5 22.7 215 7.4 557 2.5 1 342 1.8 7 7 0 0.0 24.8 49 3.5 403 1.4 452 **Noncoal Contractor** 23.6 1.5 1 23.2 11 23.2 12 23.2 745 1.6 **Contractor Total** 264 6.1 1,009 2.0 **TOTAL** 37 66.0 36 14.6 73 24.2 2.739 4.9 5.249 2.1 7.988 2.6

NA Not applicable.

Data source: Publicly released data files of employment and accident/injury/illness collected by MSHA under 30 CFR 50.

Notes: All analyses of accident data exclude office employees. Occupational fatalities exclude all cases under 17 years of age. Further statistical methodology is available on the NIOSH Internet [http://www.cdc.gov/niosh/mining/statistics/method.htm].

To receive NIOSH documents or for more information about occupational safety and health topics, contact NIOSH at

1-800-CDC-INFO (1-800-232-4636)

1-888-232-6348 (TTY) e-mail: cdcinfo@cdc.gov

or visit the NIOSH Web site at http://www.cdc.gov/niosh

¹Mines at which only independent contractors were working did not show any employment and were not counted.

²Number of employees is the average number of employees working at individual mines during calendar quarters of active operations.

³Full-time equivalent employees computed using reported employee hours (2,000 hours = 1 FTE).

⁴Mining sectors: coal operators, metal operators, nonmetal operators, stone operators, sand and gravel operators, coal contractors, and noncoal contractors.

⁵Includes actual days away from work and/or days of restricted work activity. For permanently disabling injuries only, statutory days charged by MSHA were used if they exceeded the total lost workdays.