



SAND & GRAVEL OPERATOR MINING FACTS – 2007

Mining Operations

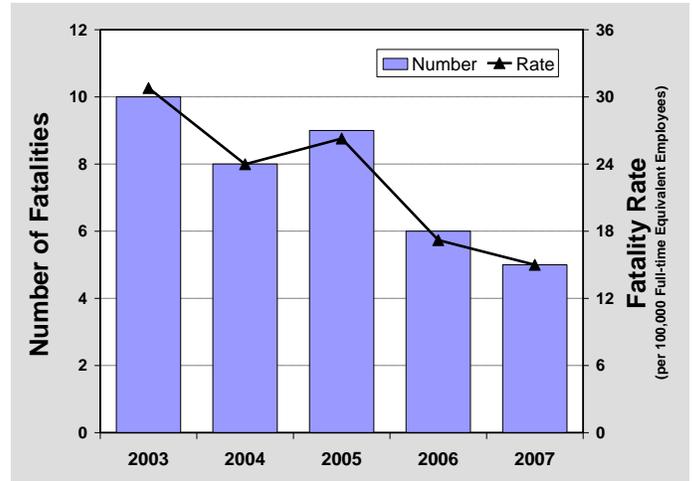
In 2007, a total of 7,199 sand and gravel mining operations reported employment to the Mine Safety and Health Administration (MSHA).¹

- Sand and gravel mines were the largest mining sector, comprising 48.4% of all mining operations.
- Sand and gravel mines were found throughout all 50 states and Puerto Rico.

Employees

A total of 45,761 employees,² corresponding to 38,340 full-time equivalent (FTE)³ employees, were reported by sand and gravel mine operators.

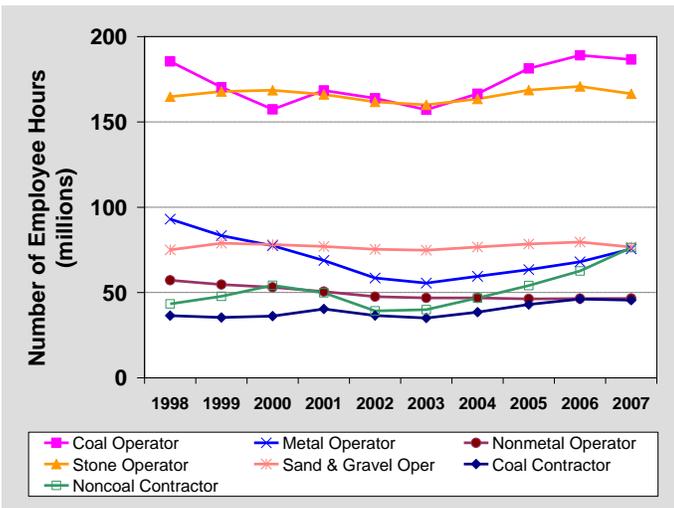
- Within the mining sectors,⁴ sand and gravel mine operator employees accounted for 11.4% of all employee hours reported to MSHA.



Nonfatal Lost-time Injuries

There were 657 nonfatal lost-time injuries among sand and gravel operator employees occurring at an overall rate of 2.0 injuries per 100 FTE employees. A total of 30,440 days lost from work⁵ resulted from these injuries.

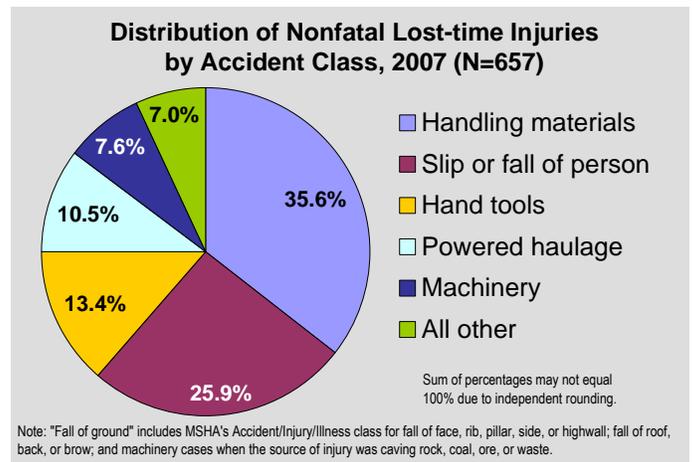
- The most frequent classifications of nonfatal lost-time injuries for sand and gravel operator employees involved handling materials (n=234; 35.6%) and slip or fall of person (n=170; 25.9%).
- Sprains and strains were the most frequently reported nature of injury (n=241; 36.7%).
- The back was the most frequently reported body part injured (n=124; 18.9%) followed by fingers (n=105; 16.0%). Back injuries represented 10,808 days lost from work; finger injuries represented 2,880 days lost.



Fatalities

Five work-related fatalities occurred among sand and gravel operator employees in 2007. This compared to six fatalities in 2006.

- The sand and gravel mine operator fatality rate was 15.0 fatalities per 100,000 FTE employees.
- Powered haulage was associated with 60% (n=3) of sand and gravel fatalities.



Mine and Employment Characteristics, 2007

Commodity and Type of Employer	Number of Mining Operations ¹			Number of Employees ²			Number of FTE Employees ³		
	Underground	Surface	Total	Underground	Surface	Total	Underground	Surface	Total
Coal Operator	631	1,399	2,030	37,829	46,242	84,071	42,238	51,027	93,265
Metal Operator	97	181	278	5,333	30,667	36,000	5,437	32,309	37,746
Nonmetal Operator	48	677	725	2,411	20,453	22,864	2,478	20,788	23,265
Stone Operator	113	4,526	4,639	1,845	80,873	82,718	2,063	81,191	83,254
Sand and Gravel Operator	NA	7,199	7,199	NA	45,761	45,761	NA	38,340	38,340
Operator Total	889	13,982	14,871	47,418	223,996	271,414	52,216	223,655	275,871
	Number of Companies								
Coal Contractor	NA	NA	2,999	5,160	33,705	38,865	3,071	19,670	22,741
Noncoal Contractor	NA	NA	5,400	3,039	64,805	67,844	1,935	36,216	38,151
Contractor Total	NA	NA	8,399	8,199	98,510	106,709	5,006	55,886	60,892
TOTAL				55,617	322,506	378,123	57,222	279,541	336,763

Mining Occupational Fatalities and Injuries, 2007

Commodity and Type of Employer	Occupational Fatalities (per 100,000 FTE employees)						Nonfatal Lost-time Injuries (per 100 FTE employees)					
	Underground		Surface		Total		Underground		Surface		Total	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Coal Operator	18	42.6	10	21.1	28	31.2	2,120	5.0	822	1.7	2,942	3.3
Metal Operator	3	55.2	4	14.4	7	21.1	178	3.3	620	2.2	798	2.4
Nonmetal Operator	1	40.4	0	0.0	1	5.0	91	3.7	417	2.4	508	2.5
Stone Operator	0	0.0	8	11.4	8	11.1	36	1.7	1,844	2.6	1,880	2.6
Sand and Gravel Operator	NA	NA	5	15.0	5	15.0	NA	NA	657	2.0	657	2.0
Operator Total	22	42.1	27	13.8	49	19.7	2,425	4.6	4,360	2.2	6,785	2.7
Coal Contractor	3	97.7	3	16.3	6	28.0	177	5.8	283	1.5	460	2.1
Noncoal Contractor	2	103.4	10	29.3	12	33.3	43	2.2	454	1.3	497	1.4
Contractor Total	5	99.9	13	24.8	18	31.3	220	4.4	737	1.4	957	1.7
TOTAL	27	47.2	40	16.1	67	21.9	2,645	4.6	5,097	2.0	7,742	2.5

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>]. Data in the above tables may not add to totals shown because of independent rounding. Caution should be used when interpreting rates based on a small number of events.

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

²Average number of employees working at individual mines during calendar quarters of active operations (includes office workers).

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

⁴Mining sectors include 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.

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