



# STONE OPERATOR MINING FACTS – 2005

## Mining Operations

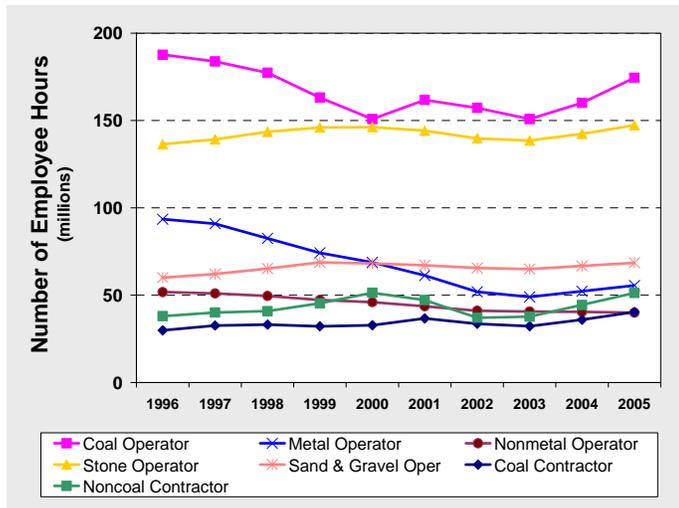
In 2005, a total of 4,490 stone mining operations reported employment to the Mine Safety and Health Administration (MSHA). Stone mines comprised 30.6% of all mining operations.

- Mines producing the primary commodity of limestone (crushed and broken) comprised the largest number of operations (n=2,039; 45.4%).
- Stone mining operations were located in all states and territories except Delaware and North Dakota.
- Of all states, Pennsylvania had the most stone mines (n=379; 8.4%).

## Employees

A total of 69,759 employees,<sup>1</sup> corresponding to 73,650 full-time equivalent (FTE)<sup>2</sup> employees, were reported to MSHA by stone mine operators in 2005. This was a 3.5% increase in the number of FTE stone operator employees from 2004.

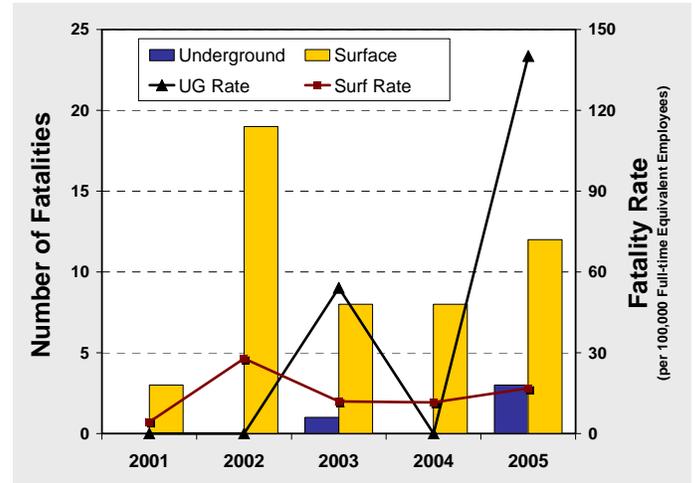
- Within the mining sectors,<sup>3</sup> stone mine operator employees accounted for 25.5% of all employee hours reported.
- Stone operator employee hours were reported for both underground (2.9%) and surface (97.1%) work locations.<sup>4</sup>



## Fatalities

There were 15 occupational fatalities among stone mine operator employees in 2005.

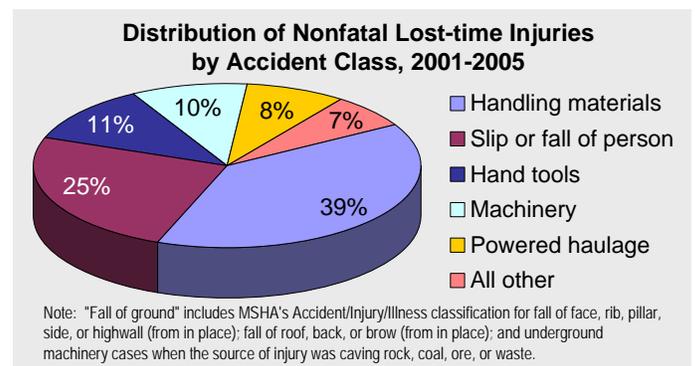
The stone mine operator fatality rate for all work locations was 20.4 fatalities per 100,000 FTE employees.



## Nonfatal Lost-time Injuries

There were 2,265 nonfatal lost-time injuries (60 at underground and 2,205 at surface work locations) among stone operator employees occurring at a rate of 3.1 injuries per 100 FTE employees. A total of 99,946 days lost<sup>5</sup> from work resulted from these injuries.

- The nonfatal lost-time injury rate was 2.8 for underground work locations and 3.1 for surface.
- The most frequent classification of nonfatal lost-time injuries for stone operator employees involved handling materials (n=850; 37.5%).
- Sprains and strains were the most frequently reported nature of injury (n=1,033; 45.6%).
- The back was the most frequently reported body part (n=464; 20.5%) and accounted for 18,224 days lost from work.



## Mining Characteristics, 2005

Commodity and Type of Employer	No. of Mines	No. of Companies	No. of Employees <sup>1</sup>	No. of FTE Employees <sup>2</sup>	Fatality Rate	Nonfatal Lost-time Injury Rate
Coal Operator	2,063	--	78,281	87,184	19.5	3.5
Metal Operator	263	--	26,442	27,773	18.0	2.4
Nonmetal Operator	739	--	19,678	20,014	20.0	2.5
<b>Stone Operator</b>	<b>4,490</b>	<b>--</b>	<b>69,759</b>	<b>73,650</b>	<b>20.4</b>	<b>3.1</b>
Sand and Gravel Operator	7,111	--	37,705	34,258	26.3	2.5
<b>Operator Total</b>	<b>14,666</b>	<b>--</b>	<b>231,865</b>	<b>242,879</b>	<b>20.6</b>	<b>3.0</b>
Coal Contractor	--	2,503	32,639	20,136	24.8	2.7
Noncoal Contractor	--	4,297	46,623	25,590	7.8	1.6
<b>Contractor Total</b>	<b>--</b>	<b>6,800</b>	<b>79,262</b>	<b>45,726</b>	<b>15.3</b>	<b>2.1</b>
<b>TOTAL</b>			<b>311,127</b>	<b>288,605</b>	<b>19.8</b>	<b>2.9</b>

Fatality rates were computed per 100,000 FTE employees. Nonfatal lost-time injury rates were computed per 100 FTE employees.

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

**Notes:** All analyses exclude office employees, except for the total number of mining operations. Analyses of fatalities exclude all individuals under 17 years of age and all individuals who were not classified as employees of a mining operator or mining contractor. Further statistical methodology is available on the NIOSH Internet [<http://www.cdc.gov/niosh/mining/statistics/method.htm>].

<sup>1</sup>Number of employees is the average number of persons working at individual establishments during calendar quarters of active operations.

<sup>2</sup>Full-time equivalent employees were computed using reported employee hours (2,000 hours = 1 FTE).

<sup>3</sup>Mining sectors: coal operators, metal operators, nonmetal operators, stone operators, sand and gravel operators, coal contractors, and noncoal contractors.

<sup>4</sup>Surface work locations include surface operations at underground mines (surface shops and yards, tippie physically located at the mine site), surface operations (strip or open pit mines including associated shops and yards), dredge (mining operations conducted from a platform floating on water), other surface operations (brine pumping, etc.), independent shops and yards not associated with a specific mine, and mill or preparation plant.

<sup>5</sup>Includes 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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