Injury Experience in Nonmetallic Mineral Mining (Except Stone and Coal), 1989

U.S. Department of Labor
Elizabeth H. Dole, Secretary

Mine Safety and Health Administration
William J. Tattersall, Assistant Secretary

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INJURY EXPERIENCE IN NONMETALLIC MINERAL MINING (EXCEPT STONE AND COAL) 1989

by

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ABSTRACT

This Mine Safety and Health Administration (MSHA) informational report reviews in detail the occupational injury and illness experience of nonmetallic mineral mining (except stone and coal) in the United States for 1989. Data reported by operators of mining establishments concerning work injuries are summarized by work location, accident classification, part of body injured, nature of injury, occupation, and principal type of mineral. Related information on employment, worktime, and operating activity also is presented. Data reported by independent contractors performing certain work at mining locations are depicted separately in this report. For ease of comparison with other metal and nonmetallic mineral mining industries and with coal mining, summary reference tabulations are included at the end of both the operator and the contractor sections of this report.

INTRODUCTION

Data used in compiling this report were reported by operators of nonmetallic mineral mines and preparation plants on a mandatory basis as required under the Federal Mine Safety and Health Act of 1977, Public Law 95-173 as amended by Law 95-164. Since January 1, 1978, operators of mines or preparation plants or both which are subject to the Act have been required under 30 CFR, Part 50, to submit reports of injuries, occupational illnesses, and related data.

Only data reported by the operators and contractors themselves are utilized in this report. No estimates are made of employment, employee-hours, or injuries for nonrespondent operations except as necessary to meet statistical processing requirements by providing minimum employment data for reported unmatched injury data.

Beginning with calendar year 1978, statistical measures for injury experience in mining were changed from the measures used from 1930 through 1977. The statistical measures for injury experience adopted by MSHA in 1978 compare closely with the measures used in the Office of Occupational Safety and Health Statistics, Bureau of Labor Statistics, U. S. Department of Labor. Therefore, beginning with 1978 data, the mining industry can be compared on a standard basis with other United States industries reporting under the Occupational Safety and Health Act of 1970.

Occurrences identified as occupational illnesses by mine operators were reported to MSHA and were processed in accordance with 30 CFR PART 50.20-6. The reported illnesses are summarized in seven categories for each work location, type of mineral, and State. Incidence rates and severity measures are not computed for occupational illnesses.

Because of the modifications in reporting and processing procedures that became effective January 1, 1978, injury rates as currently computed are not precisely comparable to those of previous years, except for fatality rates in which the "incidence rate" (the term used after 1977) is one-fifth of the "frequency rate" (the term used prior to 1978) for otherwise similar groupings of fatal injuries and worktimes. Because of this disparity, MSHA annual publications concerning injuries, illnesses, and operating activity will not contain data for years prior to 1978.

SCOPE OF STATISTICS

The statistical data in this report cover the work experience of all personnel engaged in mine exploration, development, production, maintenance, repair, and construction work, including supervisory and technical personnel, working partners, and onsite officeworkers. The classification of industries is in close general agreement with the Standard Industrial Classification. 1/

It should be noted that amendments to legislation that funded MSHA and other government programs from December 16, 1981, through July 18, 1982, prohibited MSHA from administering or enforcing the Federal Mine Safety and Health Act of 1977 (Mine Act) or MSHA standards and regulations with respect to any person engaged in the surface mining or milling of stone, clay, feldspar, colloidal phosphate, or sand and gravel. They also provided that MSHA could not administer or enforce the Mine Act or MSHA standards and regulations on any State or political subdivision thereof. Further, MSHA could not administer or enforce the Mine Act or MSHA standards or regulations with respect to any independent construction contractor who was engaged by an operator for the construction, repair or alteration of structures, facilities, utilities or private ways or roads located on (or appurtenant to) the surface areas of any coal or other mine, and whose employees worked in a specifically demarcated area, separate from actual mining or extraction activities. No data on exempted activities are included for that period of time in Table 1 of this publication.

MSHA issued guidelines which additionally reduced the reporting requirements of independent contractors. Reporting of employment, hours worked, and injury/illness data by independent contractors is limited to the following types of work performed: mine development, including shaft and slope sinking; construction or reconstruction of mine facilities, including building or rebuilding preparation plants and mining equipment, and building additions to existing facilities; demolition of mine facilities; construction of dams; excavation or earthmoving activities involving mobile equipment; equipment installation, such as crushers and mills; equipment service or repair done underground or in the pit for a period exceeding five

1/ Executive Office of the President, Office of Management and Budget. Standard Industrial Classification Manual. 1972 revision.

consecutive days at a particular mine; material handling within mine property, including haulage of coal, ore, refuse, etc., unless for the sole purpose of direct removal from or delivery to mine property; drilling and blasting. Also, 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. For more detailed information concerning these changes, see the guidelines accompanying MSHA Policy Memoranda Nos. 82-6A MM and 81-35A C.

DEFINITION OF TERMS

Occupational Injury.--An occupational injury is an injury to a mine worker which occurs at a mine and for which medical treatment is administered, or which results in death or loss of consciousness, restriction of work or motion, inability to perform all job duties on any day after an injury, lost workdays, temporary assignment to other duties, transfer to another job, or termination. The injury usually results from a recognizable single incident. For example, an explosion of a battery which splattered a worker with sulfuric acid would be a single incident and the worker would be considered to have suffered an injury. Another example would be an injury where a worker was overcome by hydrogen sulfide gas released from an exploding vessel.

Occupational illness.--An occupational illness is an illness or disease of a mine worker which may have resulted from work at a mine or for which an award of compensation is made. To be classified as an occupational illness, the disability must result from repeated exposure to the condition or substance which caused the disability. A classic illness example is a pneumoconiosis disability which may have been induced by repeated exposure to the causative dusty condition. Dermatitis resulting from repeated exposure to lime dust or other material in the work environment also should be reported as an illness. In cases where the time of onset of illness is in doubt, the day of diagnosis of illness will be considered as the first day of illness.

Number of Operations and Associated Work Locations.--Number of operations is the number of individual respondents with a unique Federal identification number that have reported worktime data. The count and kind of operation are based on the lowest numbered (primary) subunit on employment report Form 7000-2 (see figure 2, p. 10) that contains worktime data. An associated work location is a subunit reported with a primary subunit, e.g., an "office" is almost always an associated work location. Independent contractors working on mine property performing the types of work described under "Scope of Statistics" are assigned an identification number, report to MSHA, but are not included in the count of operations. Contractor data are depicted separately in this report.

Worktime.--Worktime includes the number of workers and the number of employee-hours worked. "Average number of workers" is a summary of the average number of persons working at individual establishments during calendar quarters of active operations. "Employee-hours" is a summary of employee-hours reported.

Employment Size Group.--Reporting operations are classified into size groups according to the average number of workers in specified work locations.

Degree of Injury.--Degree of injury indicates the seriousness of injuries. FATAL injuries are those occurrences resulting in death, NFDL (NonFatal with Days Lost) injuries are nonfatal occurrences that result in days away from work, statutory days charged, or days of restricted work activity. NDL (No Days Lost) injuries are occurrences having no lost workdays; that is, nonfatal injury occurrences resulting only in temporary loss of consciousness or medical treatment other than first aid.

A permanent total disability is caused by any work injury or illness other than death that permanently and totally incapacitates a worker from following any gainful occupation, or that results in the loss, or the complete loss of use, of both or any combination of: hands, arms, legs, feet, or eyes.

A permanent partial disability is caused by any work injury or illness other than death or permanent total disability that results in the loss, or the complete loss of use, of any member or part of a member of the body, or any permanent impairment of functions of the body or part thereof, regardless of any preexisting disability of the injured member or impaired body function.

Incidence Rate.--Incidence rate is defined as the number of injuries per 200,000 employee-hours, rounded to two decimal places. The highest rate given is 99.99. If an incidence rate is greater than 99.99, then 99.99 is printed. If no data were reported, then a hyphen is printed. If a computation is less than 0.01 after rounding, then an asterisk inside parentheses (*) is printed. The following is the standard incidence rate formula:

$$IR = \frac{\text{number of injuries} \times 200,000}{\text{number of employee-hours}}$$

Lost Workdays (LWD).--Lost workdays consist of days away from work (DAW) and days of restricted work activity (DRA), or statutory days charged as prescribed from a table of standard charges (see p. 7), e.g., 6,000 days for a fatality or permanent total disability.

Severity Measure.--Severity measure is the number of lost workdays per 200,000 employee-hours, rounded to whole numbers. The highest rate given is 99,999. If the computed rate is greater than 99,999, then 99,999 is printed. If no data were reported, then a hyphen is printed. If the computation results in a zero after rounding, then an asterisk inside parentheses (*) is printed. The following is the standard severity measure formula:

$$SM = \frac{\text{number of lost workdays} \times 200,000}{\text{number of employee-hours}}$$

Average Severity.--Average severity is the average number of lost workdays per injury and is computed only for injuries classified as FATAL or NFDL. Lost workdays are selected on the same basis as that for computing the severity measure. The following is the standard average severity formula:

$$AS = \frac{\text{number of lost workdays}}{\text{number of injuries contributing the lost workdays}}$$

Type of Mineral.--The type of mineral is determined from the Standard Industrial Classification (S.I.C.) code assigned to an operation based on information provided by the mine operator. Data for all work locations in the operation are credited to the assigned S.I.C.

Classification of Accident.--Accident classification identifies circumstances which contributed most directly to the resulting accident. The 21 classifications in the following list are designed to categorize all accidents, whether injury-producing or not.

Electrical.--Accidents in which the electric current is most directly responsible for the resulting accident.

Entrapment.--Accidents involving entrapment of persons.

Exploding Vessels Under Pressure.--Accidents involved with bursting of air hoses, air tanks, hydraulic lines, hydraulic hoses, stand pipes, etc., due to internal pressure.

Explosives and Breaking Agents.--Accidents involving the detonation of manufactured explosives; includes Airdox and Cardox.

Falling, Rolling, or Sliding Rock or Material of Any Kind.--Accidents caused directly by falling material other than material from the roof or face. Or, if material was set in motion by machinery, by haulage, by handtools, or while being handled or disturbed, etc., the force that set the material in motion determines the classification. For example, where a rock was pushed over a highwall by a bulldozer and the rock hit another rock which hit and injured a worker--the accident is classified as machinery. Machinery (a bulldozer) most directly caused the resulting accident.

Fall of Face, Rib, Pillar, Side, or Highwall (from in place).--Accidents in this classification include falls of material while barring down or placing props, also pressure bumps and bursts. Not included are accidents in which the motion of machinery or haulage equipment caused the fall either directly or by knocking out support.

Fall of Roof, Back, or Brow (from in place).--Underground only - Accidents which include falls while barring down or placing props, also pressure bumps and bursts. Not included are accidents in which the motion of machinery or haulage equipment caused the fall either directly or by knocking out support.

Fire.--Accidents related to uncontrolled burning of material or mineral in the mine environment. Not included are fires initiated by electricity or by ignition or explosion of gas or dust.

Handling Material.--Accidents related to handling packaged or loose material while lifting, pulling, pushing, or shoveling.

Handtools.--Accidents related to nonpowered tools.

Nonpowered Haulage.--Accidents related to the motion of nonpowered haulage equipment. Included are accidents involving wheelbarrows, manually pushed mine cars, timber trucks, etc.

Powered Haulage.--Accidents related to the motion of powered haulage equipment. Included are accidents involving conveyors, front-end loaders, forklifts, shuttle cars, load-haul-dump units, locomotives, railroad cars, haulage trucks, pickups, automobiles, and personnel carriers.

Hoisting.--Accidents involving cages, skips, ore buckets, and elevators. The accident results from the action, motion, or failure of the hoisting equipment or mechanism. Included are equipment such as cranes and derricks only when used in shaft sinking; also suspended work platforms in shafts. Not included is equipment such as chain hoists, come-alongs, and winches.

Ignition or Explosion of Gas or Dust.--Accidents resulting as a consequence of the ignition or explosion of gas or dust.

Impoundment.--Accidents caused by an unstable condition or failure of an impoundment, refuse pile, or culm bank requiring emergency preventative action or evacuation of an area.

Inundation.--Accidents caused by inundation of a surface or underground mine by a liquid (or semi-solid) or a gas.

Machinery.--Accidents related to the motion of machinery. Included are all electric and air-powered tools and mining machinery such as drills, tuggers, winches, slushers, draglines, power shovels, loaders, and compressors.

Slip or Fall of Person (from an elevation or on the same level).--Accidents include slips or falls while getting on or off machinery and haulage equipment which is not moving, and slips or falls while servicing or repairing equipment or machinery.

Stepping or Kneeling on Object.--Accidents are classified in this category only where the object stepped or kneeled on contributed most directly to the accident.

Striking or Bumping.--This classification is restricted to those accidents in which an individual, while moving about, strikes or bumps an object but is not handling material, using handtools, or operating equipment.

Other.--Accidents not elsewhere classified.

Abbreviations.--Space limitations in column headings and stub entries of standard-format tabulations require occasional adaptation of terminology. In this report PLNTS should be interpreted as "plants."

Statutory Days Charged.--Some injuries or illnesses are of such a degree of severity that a standard time charge of lost workdays has been adopted by MSHA as follows:

<u>Disability</u>	<u>Lost Workdays Charged</u> ^{2/}
Death	6,000
Permanent total disability	6,000
Dismemberment or total loss of use	
Arm above elbow	4,500
Arm at or below elbow and above wrist	3,600
Hand at wrist	3,000
Leg above knee	4,500
Leg at or below knee and above ankle	3,000
Foot at ankle	2,400
Loss of sight:	
One eye (whether or not there is sight in the other eye)	1,800
Both eyes (in one accident)	6,000
Complete industrial loss of hearing:	
One ear (whether or not there is hearing in the other ear)	600
Both ears (in one accident)	3,000
Unrepaired hernia	50

^{2/} Not more than 6,000 lost workdays will be charged in a single accident that results in multiple injuries to a mine worker. (See definition of permanent total disability on page 4.)

TABLE REFERENCE GUIDE (OPERATOR DATA)

The following reference guide facilitates locating particular data elements contained in the annual statistical tables for operators. A comparable guide precedes the contractor section of this report. The number appearing in each cell indicates the table number in which that particular element may be found. All elements listed under the stub headings appear as vertical headings in the tables. Elements listed under column headings appear as horizontal headings. The only exception to this is table 1, in which the headings have been reversed.

To use this guide, read down or across the elements listed in both the stub and column headings to determine which combinations are of interest. For example, incidence rates by work location appear in seven different tables, numbers 2, 4, 6, 8, 10, 22, and 23. However, only one, table 10, provides a further division by nature of injury as well. The occupation of the injured is found in table 17 and, as seen in the column headings, provides the number of injuries, lost workdays, and average severity.

REFERENCE GUIDE TO NONMETALLIC STATISTICAL TABLES (OPERATOR DATA)

STUB HEADINGS	COLUMN HEADINGS											
	Number of injuries	Incidence rates	Severity measures	Lost workdays	Average severity	Average number of workers	Employee-hours worked	Number of operations	Associated work locations	Average hours per employee per year	Accident classification	Number of occupational illnesses
Prior year data with and without office ^{1/}	1	1	1		1	1	1	1	1	1		
Work location	2	2	2			2	2	2	2			
	3			3	3							
	4	4	4			4	4	4	4			
	5			5	5							
	6	6	6			6	6	6	6			
	7			7	7							
	8	8	8									
	9			9	9							
	10	10	10									
	11			11	11							
	13										13	
				14							14	
	15										15	
				16							16	
	17			17	17							
	18			18	18							
												21
	22	22				22	22					
	23	23				23	23					23
Employment size group	4	4	4			4	4	4	4			
Type of mineral	5			5	5							
	6	6	6				5	6	6			
	7			7	7							
	15										15	
State				16							16	
												21
	6	6	6			6	6	6	6			
	7			7	7							
Part of body injured	13										13	
				14							14	
												21
Nature of injury	8	8	8									
	9			9	9							
	12			12	12							
	19			19	19							
Occupation at time of injury	10	10	10									
	11			11	11							
	12			12	12							
	20			20	20							
Accident classification	17			17	17							
	18			18	18							
	19			19	19							
	20			20	20							
Mineral industry	22	22				22	22					
Type of coal	23	23				23	23					23

^{1/} For table 1 only, the headings have been reversed to simplify this guide; that is, the data elements indicated in the column headings for this table actually appear as vertical headings.

Note:

Numbers shown on diagrams are statutory charges of lost workdays for loss of all or part of bone.

Proportional charges may be computed based on medical determination of percentage loss of use.

FIGURE I. Scheduled charges in lost workdays for loss or loss of use involving hand or foot.

Quarterly Mine Employment
and Coal Production Report

U.S. Department of Labor
Mine Safety and Health Administration

Do Not Write In This Space

O.M.B. Number 1219-0006; Approval Expires July 31, 1988.

This report is required by law (30 U.S.C. § 813; 30 C.F.R. Part 50). Failure to report can result in the institution of a civil action for relief under 30 U.S.C. § 818 respecting an operator of a coal mine and assessment of a civil penalty against an operator of a coal or other mine under 30 U.S.C. § 820(a). An individual who, being subject to the Federal Mine Safety and Health Act of 1977 (30 U.S.C. § 801 et seq.), knowingly makes a false statement in any report required by this form is subject to a civil penalty of not more than \$10,000 or by imprisonment for not more than 5 years, or both, under 30 U.S.C. § 820(f). Any individual who knowingly and willfully makes any false, fictitious, or fraudulent statement, conceals a material fact, or makes a false, fictitious, or fraudulent entry with respect to any matter within the jurisdiction of any agency of the United States can be punished by a fine of not more than \$10,000, or imprisoned for not more than 5 years, or both, under 18 U.S.C. § 1001.

MSHA, Health and Safety Analysis Center
P.O. Box 25367
Denver, Colorado 80226

Important:

This form must be completed and mailed within 15 days after the end of each calendar quarter.

1. Fill out this form as completely as possible and return the first sheet of this report to:
2. If it is necessary to make any address changes, indicate corrected information on this form.
3. When preaddressed, this form is only for the operation with I.D. number as shown.
4. Do not use for any other operation.
5. Sand and Gravel operators report employment data under code 03 or 06 as appropriate, except for data on office workers which should be reported under code 99.
6. All mine operators and independent contractors reporting as required by 30 C.F.R., Part 50, should show persons working and employee-hours worked, those producing coal show also production data.
7. Independent Contractors should complete quarterly only one form for activities at all coal locations, and one form for activities at all metal and nonmetal locations.

Date Report Completed

Mo. Day Yr.

For Quarter

Mail Before

Check here if this report is being submitted by a contractor ☐

If Any Information Below Is Incorrect Please Enter Correct Information Here:

County

Operation Name

Operating Company Name and Mailing Address

MSHA ID Number Contractor ID

County:

Operation Name

Operating Company Name and Address

Return To MSHA

1. Persons Working, Employee-Hours, and Coal Production	Code	(2) Average number of persons working during quarter	(3) Total employee-hours worked during the quarter	(4) Production of clean coal during quarter, (short tons)
Underground Mine	01			
Surface Mine (including shops and yards)	02			
Strip, Open Pit, or Quarry	03			
Auger (Coal Mine Only)	04			
Culm Bank or Refuse Pile (Coal Mine Only)	06			
Dredge	08			
Other Surface Mining (Metal/Nonmetal Only)	12			
Independent Shops or Yards	17			
Mill Operations, Preparation Plant, or Braker (include associated shops and yards)	30			
Office (professional and clerical workers at the mine or plant)	99			
2. Other Reportable Data				
How many MSHA reportable injuries or illnesses did you have this quarter?				
Name		Title		Phone (incl. Area Code)
Person to be contacted regarding this report				

MSHA Form 7000-2, May 85 (Revised)

FIGURE 2. Quarterly mine employment and coal production report form.

Mine Accident, Injury and Illness Report
U.S. Department of Labor
Mine Safety and Health Administration

Form Approved, OMB No. 1218-0007, Expires June 30, 1988

Section A—Identification Data			
MSHA ID Number		Contractor ID	
Report Category		☐ Metal/Nonmetal Mining ☐ Coal Mining	
Mine Name		Company Name	
Section B—Complete for Each Reportable Accident Immediately Reported to MSHA			
1. Accident Code (circle applicable code—see instructions)			
01 — Death		02 — Serious Injury	
03 — Entrapment		04 — Inundation	
05 — Gas or Dust Ignition		06 — Mine Fire	
07 — Explosives		08 — Roof Fall	
09 — Outburst		10 — Impounding Dam	
11 — Hoisting		12 — Offsite Injury	
2. Name of Investigator		3. Date Investigation Started	
Month Day Year		Month Day Year	
4. Steps Taken to Prevent Recurrence of Accident			
Section C—Complete for Each Reportable Accident, Injury or Illness			
5. Circle the Codes Which Best Describe Where Accident/Injury/Illness Occurred (see instructions)			
(a) Surface Location: 01 Surface at Underground Mine 30 Mill, Preparation Plant, etc. 03 Strip/Open Pit Mine 04 Surface Auger Operation			
05 Culm Bank/Refuse Pile 06 Dredge Mining 12 Other Surface Mining 17 Independent Shops (with own MSHA ID) 99 Office Facilities			
(b) Underground Location: 01 Vertical Shaft 02 Slope/Inclined Shaft 03 Face 04 Intersection 05 Underground Shop/Office 06 Other			
(c) Underground Mining Method: 01 Longwall 02 Shortwall 03 Conventional Stopping 05 Continuous Mining 06 Hand 07 Caving 08 Other			
6. Date of Accident		7. Time of Accident	
Month Day Year		☐ am ☐ pm	
8. Time Shift Started		☐ am ☐ pm	
9. Describe Fully the Conditions Contributing to the Accident/Injury/Illness, and Quantify the Damage or Impairment			
10. Equipment Involved Type Manufacturer Model Number			
11. Name of Witness to Accident/Injury/Illness			
12. Number of Reportable Injuries or Illnesses Resulting from This Occurrence			
13. Name of Injured/Ill Employee			
14. Sex		15. Date of Birth	
☐ Male ☐ Female		Month Day Year	
16. Last Four Digits of Social Security Number		17. Regular Job Title	
☐ 18. Check if this Injury/Illness resulted in death.		☐ 19. Check if Injury/Illness resulted in permanent disability (include amputation loss of use, & permanent total disability).	
20. What Directly Inflicted Injury or Illness?		21. Nature of Injury or Illness	
22. Part of Body Injured or Affected		23. Occupational Illness (circle applicable code—see instructions)	
24. Employee's Work Activity When Injury or Illness Occurred		25. Occupational Skin Diseases	
Experience		26. Dust Diseases of the Lungs 27. Respiratory Conditions (toxic agents) 28. Poisoning (toxic materials)	
25. Experience in This Job Title		29. Disorders (physical agents) 30. Disorders (repeated trauma) 31. Other	
25. Experience at This Mine			
27. Total Mining Experience			
Section D—Return to Duty Information			
[Answer 30 & 31 when case is closed]			
☐ 23. Permanently Transferred or Terminated (if checked, complete items 29, 30, & 31)		29. Date Returned to Regular Job at Full Capacity (or item 29)	
Month Day Year		30. Number of Days Away from Work (if none, enter 0)	
31. Number of Days Restricted Work Activity (if none, enter 0)			
Person Completing Form (Name)		Title	
Date This Report Prepared (month, day, year)		Area Code and Phone Number	
MSHA Form 7000-1, Feb 80 (revised)			

For Official Use Only

Degree _____

Accident Type _____

Accident Class _____

Scheduled Change _____

Keyword _____

MAIL THIS PAGE TO THE HEALTH AND SAFETY ANALYSIS CENTER, MINE SAFETY AND HEALTH ADMINISTRATION, P.O. BOX 2357, DENVER, COLORADO 80225

FIGURE 3. Mine accident, injury, and illness report form.

TABLE 1. - GENERAL STATISTICS ON INJURY EXPERIENCE AND WORKTIME, AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

	EXCLUDING OFFICEMAKERS					INCLUDING OFFICEMAKERS				
	1985	1986	1987	1988	1989	1985	1986	1987	1988	1989
NUMBER OF INJURIES:										
FATAL	2	7	4	3	4	2	7	4	3	4
NFDL	854	779	1,001	1,216	1,266	855	782	1,005	1,222	1,270
TOTAL LHD INJURIES	856	786	1,005	1,219	1,270	857	789	1,005	1,225	1,274
NOL	541	447	800	1,011	1,093	544	450	807	1,020	1,102
TOTAL INJURIES	1,397	1,233	1,805	2,230	2,363	1,401	1,239	1,816	2,245	2,376
INCIDENCE RATES:										
FATAL	.01	.03	.01	.01	.01	.01	.02	.01	.01	.01
NFDL	2.83	2.82	3.63	4.23	4.36	2.44	2.44	3.15	3.69	3.80
ALL LHD INJURIES	2.84	2.84	3.65	4.24	4.38	2.45	2.46	3.16	3.70	3.81
NOL	1.80	1.62	2.30	3.51	3.77	1.55	1.40	2.55	3.08	3.30
ALL INJURIES	4.64	4.46	6.55	7.75	8.15	4.00	3.86	5.71	6.78	7.11
SEVERITY MEASURES:										
FATAL	40	152	87	63	83	34	131	75	54	72
NFDL	122	109	123	104	112	105	94	103	91	97
ALL LHD INJURIES	162	260	210	167	194	140	225	183	145	169
AVERAGE SEVERITY:										
PERMANENT PARTIAL	220	378	436	115	238	220	378	436	112	238
TEMPORARY NFDL	31	26	21	23	21	31	26	21	23	21
ALL LHD INJURIES	57	92	58	39	44	57	91	58	39	44
AVERAGE NUMBER OF EMPLOYEES	31,719	29,327	27,845	28,377	28,852	37,002	34,105	32,426	32,320	33,530
EMPLOYEE-HOURS WORKED	50,265,067	55,292,085	55,118,399	57,551,893	58,018,283	70,039,537	64,134,829	63,744,595	66,244,078	66,791,712
AVERAGE HOURS PER EMPLOYEE	1,900	1,885	1,979	2,028	2,011	1,893	1,881	1,966	2,012	1,992
OPERATIONS REPORTED	1,136	1,056	989	974	961	1,156	1,071	1,000	984	970
NUMBER OF OPERATIONS	316	315	297	300	300	973	922	900	914	932
ASSOCIATED WORK LOCATIONS										

TABLE 2. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR WORK LOCATION AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969

WORK LOCATION	NUMBER OF INJURIES										INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	FATAL	NFDL					TOTAL INJURIES	NOL	FATAL AND NFDL	TOTAL	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		PERMANENT	TEMPORARY	TOTAL	TOTAL	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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UNDERGROUND MINES:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

TABLE 3. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY						TOTAL	PARTIAL						
			TOTAL	PARTIAL												
											TOTAL					PARTIAL
UNDERGROUND MINES: UNDERGROUND----- SURFACE AT UNDERGROUND----- TOTAL OR AVERAGE-----	2 - 2	- - 2	2 - 2	181 37 218	183 37 220	185 37 222	178 33 211	363 70 433	12,000 - 12,000	- - 650	4,555 1,001 5,556	5,205 1,001 6,206	17,205 1,001 18,206	325 - 325	25 27 25	93 27 82
SURFACE MINES: OPEN PIT----- DREDGE----- OTHER SURFACE----- TOTAL OR AVERAGE-----	1 - - 1	- - - 7	7 - - 7	230 4 234	237 4 241	238 4 242	155 3 158	393 7 400	6,000 - 6,000	- - 2,760	4,674 101 4,775	7,434 101 7,535	13,434 101 13,535	394 - 394	20 25 20	56 25 56
TOTAL OR AVERAGE, MINING-----	3	-	9	452	461	464	833	18,000	-	3,410	10,331	13,741	31,741	379	23	68
INDEPENDENT SHOPS: TOTAL OR AVERAGE-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
PROCESSING PLANTS: TOTAL OR AVERAGE-----	1	-	19	786	805	806	723	5,000	-	3,245	15,407	18,652	24,652	171	20	31
TOTAL OR AVERAGE, ALL MINES AND PLANTS: TOTAL OR AVERAGE-----	-	-	28	1,238	1,266	1,270	2,363	24,000	-	6,655	25,738	32,393	56,393	238	21	44
OFFICE: TOTAL OR AVERAGE-----	-	-	-	4	4	4	9	-	-	-	53	53	53	-	13	13
GRAND TOTAL OR AVERAGE: TOTAL OR AVERAGE-----	4	-	28	1,242	1,270	1,274	2,376	24,000	-	6,655	25,791	32,446	56,446	238	21	44

TABLE 4. - INJURY EXPERIENCE BY DEGREE AND HOURS FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						TOTAL INJURIES	INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION			
	FATAL	NFDL				TOTAL FATAL AND NFDL		NFDL	ALL INJURIES			FATAL	ALL FATAL AND NFDL								
		PERMANENT	TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL				ALL FATAL AND NFDL	ALL INJURIES	FATAL		NFDL	ALL FATAL AND NFDL							
																			TOTAL	PARTIAL	TOTAL
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																					
1 - 4	-	-	-	-	2	2	-	2	8	10	10	12	12	12	67	71,412	22	14			
5 - 9	-	-	-	-	8	8	-	8	10	10	10	12	12	12	44	145,884	13	8			
10 - 19	-	-	-	-	10	10	-	10	10	10	10	12	12	12	82	223,194	9	6			
20 - 34	-	-	-	-	12	12	-	12	12	12	12	12	12	12	112	292,250	6	3			
35 - 49	-	-	-	-	3	3	-	3	3	3	3	3	3	3	75	74,536	1	1			
50 - 99	-	-	-	-	26	26	-	26	26	26	26	26	26	26	38	1,213,001	8	6			
100 - 149	-	-	-	-	56	56	-	56	56	56	56	56	56	56	550	2,106,181	1	1			
150 - 249	-	-	-	-	46	46	-	46	46	46	46	46	46	46	1,047	2,748,305	7	8			
250 OR MORE	-	-	-	-	61	61	-	61	61	61	61	61	61	61	1,035	2,097,872	3	3			
TOTAL OR AVERAGE	2	-	2	218	220	433	04	4.90	4.95	4.70	267	138	406	4.417	8,972,635	77	56				
SURFACE MINES, OPEN PIT:																					
1 - 4	-	-	-	-	22	22	-	22	44	44	44	44	44	44	1,052	1,193,936	387	-			
5 - 9	-	-	-	-	44	44	-	44	44	44	44	44	44	44	139	1,594,925	147	-			
10 - 19	-	-	-	-	26	26	-	26	26	26	26	26	26	26	892	1,617,676	69	-			
20 - 34	-	-	-	-	34	34	-	34	34	34	34	34	34	34	135	1,435,654	29	-			
35 - 49	-	-	-	-	14	14	-	14	14	14	14	14	14	14	39	829,851	10	-			
50 - 99	-	-	-	-	29	29	-	29	29	29	29	29	29	29	172	2,773,720	19	-			
100 - 149	-	-	-	-	35	35	-	35	35	35	35	35	35	35	1,376	2,282,658	9	-			
150 - 249	-	-	-	-	14	14	-	14	14	14	14	14	14	14	1,085	704,596	2	-			
250 OR MORE	-	-	-	-	20	20	-	20	20	20	20	20	20	20	273	582,529	1	-			
TOTAL OR AVERAGE	1	-	7	230	237	393	02	3.64	3.66	2.38	92	114	206	7.016	13,015,545	673	-				
DREDGE:																					
5 - 9	-	-	-	-	1	1	-	1	8.78	8.78	-	579	579	8	22,785	1	-				
35 - 49	-	-	-	-	3	3	-	3	2.78	2.78	-	32	32	44	49,465	1	-				
100 - 149	-	-	-	-	4	4	-	4	2.77	2.77	-	70	70	124	216,136	1	-				
TOTAL OR AVERAGE	-	-	-	-	4	4	-	-	2.08	2.08	-	70	70	176	288,386	3	-				
TOTAL OR AVERAGE, SURFACE:																					
1 - 4	-	-	-	-	21	21	-	21	3.69	3.69	-	47	47	1,052	1,193,936	387	-				
5 - 9	-	-	-	-	45	45	-	45	5.56	5.56	-	145	145	1,002	1,617,710	148	-				
10 - 19	-	-	-	-	26	26	-	26	3.21	3.21	-	111	111	892	1,617,676	69	-				
20 - 34	-	-	-	-	34	34	-	34	4.74	4.74	-	135	135	745	1,435,654	29	-				
35 - 49	-	-	-	-	14	14	-	14	3.18	3.18	-	36	36	446	879,316	11	-				
50 - 99	-	-	-	-	29	29	-	29	2.31	2.31	-	172	172	1,376	2,773,720	19	-				
100 - 149	-	-	-	-	38	38	-	38	3.04	3.04	-	60	60	1,208	2,408,794	10	-				
150 - 249	-	-	-	-	14	14	-	14	3.97	3.97	-	220	220	1,342	704,596	2	-				
250 OR MORE	-	-	-	-	20	20	-	20	6.87	6.87	-	51	51	273	582,529	1	-				
TOTAL OR AVERAGE	1	-	7	234	241	400	02	3.62	3.64	2.38	90	113	203	7.192	13,303,931	676	-				

TABLE 4. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES										INCIDENT RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED LOCATION
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	INCIDENT RATES				FATAL	NFDL	ALL FATAL AND NFDL								
		PERMANENT		TEMPORARY	TOTAL NFDL			FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES											
		TOTAL	PARTIAL																			
TOTAL OR AVERAGE, MINING:	1	-	-	-	-	23	23	24	16	40	15	3.64	3.79	2.53	6.32	48	996	975	1,265,348	409	14	
1 - 4	-	-	-	-	-	51	53	53	31	84	-	3.01	6.01	3.52	9.53	136	136	1,084	1,763,994	161	8	
5 - 9	-	-	-	-	-	36	36	36	28	66	-	3.91	3.91	3.15	7.06	116	116	1,004	1,840,870	78	3	
10 - 19	-	-	-	-	-	46	46	46	20	66	-	5.32	5.32	3.11	7.64	125	125	679	1,727,964	35	3	
20 - 34	-	-	-	-	-	45	45	45	9	55	-	2.71	2.71	1.89	4.82	34	34	484	953,852	27	1	
35 - 49	-	-	-	-	-	51	54	55	62	117	05	4.08	4.08	2.26	5.87	182	483	1,926	3,986,721	18	6	
50 - 99	1	-	-	-	-	93	94	94	52	146	05	3.48	3.53	2.34	7.47	76	487	2,256	4,604,375	9	7	
100 - 149	-	-	-	-	-	149	149	149	82	129	-	6.04	6.04	5.12	12.16	159	159	1,633	3,452,901	4	3	
150 - 249	1	-	-	-	-	80	81	81	82	163	-	-	-	-	-	-	-	1,308	2,680,401	-	-	
250 OR MORE	-	-	-	-	-	452	461	464	369	833	03	4.14	4.17	3.31	7.48	123	285	11,509	22,276,566	753	56	
TOTAL OR AVERAGE	3	-	-	-	-	9	9	9	369	833	03	4.14	4.17	3.31	7.48	123	285	11,509	22,276,566	753	56	
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PROCESSING PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 - 4	-	-	-	-	-	10	16	16	7	17	-	5.55	5.55	3.88	9.36	158	158	217	360,653	41	47	
5 - 9	-	-	-	-	-	16	32	32	17	33	-	7.41	7.41	4.19	12.16	161	161	476	829,844	34	37	
10 - 19	-	-	-	-	-	32	64	64	33	66	-	7.41	7.41	4.19	12.16	161	161	1,203	2,484,484	51	32	
20 - 34	1	-	-	-	-	157	157	158	91	249	05	7.15	7.20	4.19	12.16	273	434	2,194	4,390,354	35	49	
35 - 49	-	-	-	-	-	46	47	47	51	98	-	4.46	4.46	4.83	9.28	66	66	1,016	2,109,645	8	17	
50 - 99	-	-	-	-	-	207	210	210	167	377	-	5.17	5.17	4.83	9.28	116	116	3,831	8,127,295	21	36	
100 - 149	-	-	-	-	-	86	86	86	80	166	-	3.65	3.65	4.11	7.05	125	125	2,303	4,707,390	10	10	
150 - 249	-	-	-	-	-	46	47	47	77	124	-	3.26	3.26	3.71	5.97	39	39	1,898	4,154,279	4	6	
250 OR MORE	-	-	-	-	-	135	140	140	174	314	-	3.27	3.27	4.06	7.33	80	80	4,100	8,568,500	3	8	
TOTAL OR AVERAGE	1	-	-	-	-	786	805	806	723	1,529	01	4.51	4.51	4.05	8.56	34	104	17,238	35,732,634	207	244	
ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 - 4	1	-	-	-	-	33	33	34	23	57	12	4.06	4.16	2.83	7.01	72	810	1,192	1,526,001	450	61	
5 - 9	-	-	-	-	-	67	69	69	45	118	-	5.07	5.07	3.77	9.07	110	110	1,365	2,592,791	106	45	
10 - 19	-	-	-	-	-	128	128	128	58	216	-	4.07	4.07	3.03	7.64	142	142	2,207	4,392,364	129	40	
20 - 34	-	-	-	-	-	203	203	204	9	315	03	3.98	3.98	2.63	6.32	151	151	3,073	6,118,256	70	52	
35 - 49	1	-	-	-	-	61	61	61	26	121	-	3.98	3.98	2.63	6.32	99	99	1,500	3,063,497	20	18	
50 - 99	-	-	-	-	-	258	258	258	228	494	-	3.87	3.87	2.76	6.32	138	237	3,757	7,211,016	48	42	
100 - 149	1	-	-	-	-	178	180	180	132	312	-	3.87	3.87	2.76	6.32	101	101	4,555	9,312,355	28	16	
150 - 249	1	-	-	-	-	105	107	108	145	253	-	3.87	3.87	2.76	6.32	85	161	3,581	7,567,162	13	13	
250 OR MORE	-	-	-	-	-	215	221	221	256	477	-	3.93	3.93	2.85	6.32	95	243	5,406	11,249,301	7	11	
TOTAL OR AVERAGE	4	-	-	-	-	1,236	1,266	1,270	1,953	2,363	01	4.36	4.38	3.17	8.15	112	194	28,852	56,016,253	961	300	

TABLE 4. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENT RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL					FATAL AND NFDL	FATAL AND NFDL	ALL INJUR- IES	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	TOTAL INJURIES											
OFFICE:																	
1 - 4	-	-	-	1	1	1	18	18	18	35	-	2	2	618	1,136,625	9	447
5 - 9	-	-	-	1	1	1	-	-	-	37	-	-	-	553	1,076,273	-	84
10 - 19	-	-	-	1	1	1	16	16	16	37	-	3	3	524	1,240,718	-	46
20 - 34	-	-	-	1	1	1	12	12	12	24	-	2	2	810	1,649,797	-	33
35 - 49	-	-	-	-	-	-	-	-	-	29	-	-	-	353	687,216	-	9
50 - 99	-	-	-	-	-	-	-	-	-	-	-	-	-	457	940,910	-	7
100 - 149	-	-	-	-	-	-	-	-	-	-	40	-	-	217	455,340	-	2
150 - 249	-	-	-	1	1	1	20	20	20	20	40	-	-	522	1,011,119	-	3
250 OR MORE	-	-	-	-	-	-	-	-	-	-	30	-	-	264	571,461	-	1
TOTAL OR AVERAGE	-	-	-	4	4	4	99	99	99	21	30	1	1	4,578	8,773,429	9	632
GRAND TOTAL OR AVERAGE:	1	-	-	34	34	35	67	246	253	174	434	44	478	2,019	2,762,666	458	502
1 - 4	-	-	-	57	57	58	-	375	375	277	-	78	78	2,118	3,678,354	196	129
5 - 9	-	-	-	126	126	129	3	464	464	233	154	111	111	2,831	5,566,072	129	86
10 - 19	-	-	-	198	198	205	03	526	526	261	154	119	274	3,863	7,767,965	70	85
20 - 34	-	-	-	60	60	61	02	346	346	201	92	45	45	1,853	3,756,713	20	27
35 - 49	-	-	-	268	268	285	02	414	414	230	92	126	236	1,674	3,054,926	46	49
50 - 99	-	-	-	178	178	186	02	388	388	230	135	96	236	1,173	2,371,586	28	20
100 - 149	-	-	-	166	166	168	02	351	351	239	135	75	214	4,173	6,616,299	13	16
150 - 249	-	-	-	215	221	221	-	374	374	433	135	94	229	5,672	11,820,762	7	12
250 OR MORE	-	-	-	28	28	28	01	380	381	330	72	97	169	33,530	66,791,712	970	932
TOTAL OR AVERAGE	4	-	-	1,242	1,270	1,274	1,092	2,376	2,376	711	1,092	37	169	33,530	66,791,712	970	932

TABLE 5. - NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFCL			TOTAL FATAL AND NFCL	NOL	TOTAL INJURIES	FATAL	NFCL			TOTAL FATAL AND NFCL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFCL	
		PERMANENT	TEMPORARY	TOTAL NFCL					TOTAL NFCL	TEMPORARY	TOTAL NFCL					
																TOTAL
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																
1 - 4	-	-	2	2	2	7	2	-	-	-	24	24	-	12	12	
5 - 9	-	-	8	8	8	8	15	-	-	-	32	32	-	4	4	
10 - 19	-	-	10	10	10	10	18	-	-	-	171	171	-	17	17	
20 - 34	-	-	12	12	12	3	19	-	-	-	109	109	-	9	9	
35 - 49	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	
50 - 99	1	1	24	25	26	56	56	6,000	-	600	648	1,248	600	27	279	
100 - 149	-	-	56	56	56	82	82	6,000	-	-	1,007	1,007	-	18	18	
150 - 249	1	-	46	46	47	104	104	6,000	-	50	1,630	1,630	50	35	162	
250 OR MORE	-	-	60	61	61	134	134	-	-	-	1,985	1,985	-	32	33	
TOTAL OR AVERAGE	2	-	218	220	222	211	433	12,000	-	650	5,556	6,206	325	25	82	
SURFACE MINES: OPEN PIT:																
1 - 4	1	-	21	21	22	15	38	6,000	-	100	280	280	-	13	285	
5 - 9	-	2	42	44	44	24	68	-	-	-	1,105	1,105	50	24	25	
10 - 19	-	-	26	26	26	34	47	-	-	150	895	895	-	34	35	
20 - 34	-	-	33	33	34	13	47	-	-	-	971	971	150	25	26	
35 - 49	-	1	14	14	14	5	20	-	-	160	160	160	-	11	11	
50 - 99	-	2	27	29	29	32	61	-	-	1,850	534	2,384	925	20	82	
100 - 149	-	1	34	35	35	58	58	-	-	600	714	714	600	19	20	
150 - 249	-	1	13	14	14	9	25	-	-	600	775	775	600	13	13	
250 OR MORE	-	-	20	20	20	9	29	-	-	-	150	150	-	8	8	
TOTAL OR AVERAGE	1	-	230	237	238	155	383	6,000	-	2,760	4,674	7,434	394	20	56	
DREDGE:																
1 - 4	-	-	1	1	1	-	1	-	-	-	66	66	-	66	66	
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10 - 19	-	-	3	3	3	3	6	-	-	-	35	35	-	12	12	
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
35 - 49	-	-	4	4	4	3	7	-	-	-	101	101	-	25	25	
50 - 99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 - 149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																
1 - 4	1	-	21	21	22	15	38	6,000	-	100	280	280	-	13	285	
5 - 9	-	2	43	45	45	24	69	-	-	-	1,171	1,171	50	25	26	
10 - 19	-	-	26	26	26	13	47	-	-	150	895	895	-	34	35	
20 - 34	-	-	33	33	34	5	47	-	-	-	971	971	150	25	26	
35 - 49	-	-	14	14	14	5	20	-	-	160	160	160	-	11	11	
50 - 99	-	2	27	29	29	32	61	-	-	1,850	534	2,384	925	20	82	
100 - 149	-	1	34	35	35	58	58	-	-	600	749	749	600	19	20	
150 - 249	-	1	13	14	14	9	25	-	-	600	775	775	600	13	13	
250 OR MORE	-	-	20	20	20	9	29	-	-	-	150	150	-	8	8	
TOTAL OR AVERAGE	1	-	234	241	242	158	400	6,000	-	2,760	4,775	7,535	394	20	56	

TABLE 5. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	NFIDL	FATAL	PERMANENT		TOTAL FATAL AND NFIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIDL
		TOTAL	PARTIAL	TEMPORARY										
TOTAL OR AVERAGE MINING														
1 - 4	1	-	-	23	24	40	16	6,000	-	-	6,304	-	13	263
5 - 9	-	2	-	51	53	84	31	-	100	-	1,203	50	22	30
10 - 19	-	-	-	36	36	65	29	-	-	-	1,066	-	30	23
20 - 34	-	-	1	45	46	66	20	-	150	-	1,080	150	21	23
35 - 49	-	-	-	14	14	9	9	-	-	-	180	-	11	175
50 - 99	-	3	-	51	54	117	23	6,000	2,450	-	9,632	817	23	18
100 - 149	-	-	-	93	94	146	52	-	60	-	1,756	60	18	19
150 - 249	1	1	-	59	60	129	68	6,000	600	-	8,406	600	31	138
250 OR MORE	-	1	-	80	81	163	82	-	50	-	2,135	50	26	26
TOTAL OR AVERAGE	3	9	-	452	461	833	369	18,000	-	3,410	31,741	379	23	68
INDEPENDENT SHOPS														
5 - 9	-	-	-	-	-	1	1	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	-	-	-	-
PROCESSING PLANTS														
1 - 4	-	-	-	10	10	17	7	-	-	-	285	-	28	28
5 - 9	-	-	-	16	16	33	17	-	-	-	234	-	15	15
10 - 19	-	-	-	89	92	151	59	-	-	-	1,689	-	22	22
20 - 34	1	3	-	152	158	249	91	6,000	300	-	9,526	100	60	60
35 - 49	-	5	-	46	47	98	24	-	1,050	-	683	210	16	15
50 - 99	-	1	-	207	210	377	167	-	400	50	4,721	50	14	14
100 - 149	-	3	-	85	86	166	80	-	900	2,036	2,936	900	21	22
150 - 249	-	1	-	46	47	124	77	-	100	716	2,816	100	34	34
250 OR MORE	-	5	-	135	140	314	174	-	445	-	3,442	89	22	25
TOTAL OR AVERAGE	1	19	-	786	805	1,529	723	5,000	-	3,245	24,652	171	31	31
TOTAL OR AVERAGE ALL MINES AND PLANTS														
1 - 4	-	-	-	33	34	57	23	6,000	-	-	589	-	18	19
5 - 9	-	2	-	67	69	118	33	-	100	-	1,437	50	20	21
10 - 19	-	-	-	125	128	216	88	-	300	-	3,065	100	22	22
20 - 34	1	3	-	197	203	315	111	6,000	1,200	-	10,606	200	17	17
35 - 49	-	6	-	60	61	121	50	-	500	-	953	500	13	13
50 - 99	1	5	-	258	265	494	121	6,000	2,850	-	14,353	475	21	21
100 - 149	-	-	-	178	180	312	70	-	700	-	4,692	480	26	26
150 - 249	1	2	-	109	108	253	145	6,000	485	-	9,241	350	25	25
250 OR MORE	-	6	-	215	221	477	256	-	495	-	5,577	82	24	24
TOTAL OR AVERAGE	4	28	-	1,238	1,270	2,363	1,093	24,000	-	6,655	56,393	238	21	44

TABLE 5. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIL			TOTAL FATAL AND NFIL	NOL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL
		PERMANENT		TOTAL					TEMPORARY	TOTAL					
		TOTAL	PARTIAL												
OFFICE:	-	-	-	1	1	2	-	-	-	-	13	-	-	13	
1 - 4	-	-	-	1	1	2	-	-	-	-	13	-	-	13	
5 - 9	-	-	-	1	1	2	-	-	-	-	16	-	-	16	
10 - 19	-	-	-	1	1	2	-	-	-	-	20	-	-	20	
20 - 34	-	-	-	1	1	1	-	-	-	-	-	-	-	-	
35 - 49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50 - 99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 - 149	-	-	-	1	1	2	-	-	-	-	4	-	-	4	
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	4	4	9	13	-	-	-	53	-	-	13	
GRAND TOTAL OR AVERAGE:	1	34	34	24	35	59	59	6,000	-	100	602	6,602	-	18	189
1 - 4	-	67	67	51	69	120	120	-	-	300	1,437	1,437	50	20	21
5 - 9	-	128	128	90	129	219	219	-	-	300	2,781	3,081	100	22	24
10 - 19	1	198	204	113	205	318	318	6,000	-	1,200	3,426	4,626	200	17	52
20 - 34	1	60	61	61	61	122	122	-	-	50	853	853	50	13	14
35 - 49	1	258	264	228	265	494	494	6,000	2,850	5,503	8,353	14,353	475	21	54
50 - 99	-	178	180	132	180	312	312	6,000	960	3,732	4,692	4,692	480	21	26
100 - 149	1	106	108	146	146	255	255	6,000	700	3,225	3,925	9,225	350	24	85
150 - 249	-	215	221	256	221	477	477	-	-	495	5,577	5,577	82	24	25
250 OR MORE	-	-	-	256	221	477	477	-	-	495	5,577	5,577	82	24	25
TOTAL OR AVERAGE	4	1,242	1,270	1,102	1,274	2,376	2,376	24,000	6,555	25,791	32,446	56,446	238	21	44

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION																							
	FATAL	NFDL					TOTAL INJURIES	NOL	TOTAL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL	ALL INDU- RIES	FATAL					NFDL	ALL FATAL AND NFDL																					
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	TOTAL INJURIES															FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INDU- RIES	FATAL	NFDL	ALL FATAL AND NFDL													
																													TOTAL	PARTIAL	TOTAL NFDL	TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INDU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
TOTAL	PARTIAL	TOTAL NFDL	TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INDU- RIES	FATAL	NFDL	ALL FATAL AND NFDL																													
APLITE: SURFACE MINES: OPEN PIT: VIRGINIA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12,672	1	-																						
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12,672	1	-																						
TOTAL OR AVERAGE, SURFACE: VIRGINIA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12,672	1	-																						
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12,672	1	-																						
TOTAL OR AVERAGE, MINING: VIRGINIA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12,672	1	-																						
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12,672	1	-																						
PROCESSING PLANTS: VIRGINIA----- TOTAL OR AVERAGE-----	-	-	2	2	2	2	2	7.87	7.87	-	7.87	-	28	28	24	24	50,818	-	1																						
TOTAL OR AVERAGE-----	-	-	2	2	2	2	2	7.87	7.87	-	7.87	-	28	28	24	24	50,818	-	1																						
TOTAL OR AVERAGE, ALL MINES AND PLANTS: VIRGINIA----- TOTAL OR AVERAGE-----	-	-	2	2	2	2	2	6.30	6.30	-	6.30	-	22	22	31	31	63,490	1	1																						
TOTAL OR AVERAGE-----	-	-	2	2	2	2	2	6.30	6.30	-	6.30	-	22	22	31	31	63,490	1	1																						
OFFICE: VIRGINIA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	7,552	-	1																						
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	7,552	-	1																						
GRAND TOTAL OR AVERAGE: VIRGINIA----- TOTAL OR AVERAGE-----	-	-	2	2	2	2	2	5.63	5.63	-	5.63	-	20	20	35	35	71,042	1	2																						
TOTAL OR AVERAGE-----	-	-	2	2	2	2	2	5.63	5.63	-	5.63	-	20	20	35	35	71,042	1	2																						
ASBESTOS: SURFACE MINES: OPEN PIT: CALIFORNIA----- VERMONT----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	12.46	12.46	24.93	37.34	-	287	287	2	2	3,569 16,045	1 1	- -																						
TOTAL OR AVERAGE-----	-	-	1	1	1	1	1	10.20	10.20	20.39	30.59	-	235	235	13	13	19,614	2	-																						

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL															TOTAL FATAL AND NFDL	TOTAL INJURIES
ASBESTOS-CONTINUED: TOTAL OR AVERAGE, SURFACE: CALIFORNIA VERMONT TOTAL OR AVERAGE	- - - -	- - - -	- - - -	1 1 1 1	1 1 1 1	2 2 2 2	3 3 3 3	- - - -	12.46 12.46 10.20 10.20	24.93 24.93 20.39 20.39	37.39 37.39 30.59 30.59	- - - -	287 287 235 235	2 11 13 13	3,569 16,045 19,614 19,614	1 1 2 2	- - - -			
TOTAL OR AVERAGE, MINING: CALIFORNIA VERMONT TOTAL OR AVERAGE	- - - -	- - - -	- - - -	1 1 1 1	1 1 1 1	2 2 2 2	3 3 3 3	- - - -	12.46 12.46 10.20 10.20	24.93 24.93 20.39 20.39	37.39 37.39 30.59 30.59	- - - -	287 287 235 235	2 11 13 13	3,569 16,045 19,614 19,614	1 1 2 2	- - - -			
PROCESSING PLANTS: CALIFORNIA VERMONT TOTAL OR AVERAGE	- - - -	- - - -	- - - -	- - - -	- - - -	4 4 4 4	4 4 4 4	- - - -	- - - -	20.27 20.27 5.18 5.18	20.27 20.27 6.18 6.18	- - - -	- - - -	39 18 57 57	89,974 39,462 129,436 129,436	1 1 1 1	- - - -			
TOTAL OR AVERAGE, ALL MINES AND PLANTS: CALIFORNIA VERMONT TOTAL OR AVERAGE	- - - -	- - - -	- - - -	1 1 1 1	1 1 1 1	6 6 6 6	7 7 7 7	- - - -	3.60 3.60 1.34 1.34	21.62 21.62 8.05 8.05	25.22 25.22 9.39 9.39	- - - -	83 83 31 31	41 29 70 70	93,543 55,507 149,050 149,050	2 1 3 3	- - - -			
OFFICE: CALIFORNIA VERMONT TOTAL OR AVERAGE	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	4 12 16 16	10,021 20,140 30,161 30,161	- - - -	1 1 2 2			
GRAND TOTAL OR AVERAGE: CALIFORNIA VERMONT TOTAL OR AVERAGE	- - - -	- - - -	- - - -	1 1 1 1	1 1 1 1	6 6 6 6	7 7 7 7	- - - -	2.64 2.64 1.12 1.12	15.86 15.86 5.70 5.70	18.51 18.51 7.81 7.81	- - - -	61 61 26 26	45 41 86 86	103,564 75,647 179,211 179,211	2 1 3 3	1 2 3 3			
BARTITE: UNDERGROUND MINES: UNDERGROUND: MONTANA TOTAL OR AVERAGE	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	4 4 4 4	5,174 5,174 5,174 5,174	1 1 1 1	- - - -			

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE F. # OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT	PARTIAL	TEMPO- RARY	TOTAL NFDL													

BARITE-CONTINUED: TOTAL OR AVERAGE, UG: MONTANA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5,174	1	-
SURFACE MINES: OPEN PIT: GEORGIA----- MISSOURI----- NEVADA----- TENNESSEE----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	4	4	-	23.54	-	-	-	18	33,985	2	-
	-	-	-	-	-	-	-	-	-	17.63	-	-	-	15	12,574	3	-
	-	-	-	-	-	-	2	2	-	17.63	-	-	987	10	22,691	1	-
	-	-	-	-	-	-	-	-	-	5.24	-	-	-	3	7,027	1	-
	-	-	-	-	-	-	2	2	-	5.24	5.24	10.49	294	46	76,277	7	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, SURFACE: GEORGIA----- MISSOURI----- NEVADA----- TENNESSEE----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	4	4	-	23.54	-	-	-	18	33,985	2	-
	-	-	-	-	-	-	-	-	-	17.63	-	-	-	15	12,574	3	-
	-	-	-	-	-	-	2	2	-	17.63	-	-	987	10	22,691	1	-
	-	-	-	-	-	-	-	-	-	5.24	-	-	-	3	7,027	1	-
	-	-	-	-	-	-	2	2	-	5.24	5.24	10.49	294	46	76,277	7	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, MINING: GEORGIA----- MISSOURI----- MONTANA----- NEVADA----- TENNESSEE----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	4	4	-	23.54	-	-	-	18	33,985	2	-
	-	-	-	-	-	-	-	-	-	17.63	-	-	-	15	12,574	3	-
	-	-	-	-	-	-	2	2	-	17.63	-	-	987	10	22,691	1	-
	-	-	-	-	-	-	-	-	-	4.91	-	-	-	3	7,027	1	-
	-	-	-	-	-	-	2	2	-	4.91	4.91	9.82	275	50	81,451	8	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROCESSING PLANTS: CALIFORNIA----- GEORGIA----- LOUISIANA----- MISSOURI----- NEVADA----- NEW YORK----- NORTH CAROLINA----- OKLAHOMA----- TEXAS----- UTAH----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	9	12	-	3.58	-	-	-	3	5,422	1	-
	-	-	-	-	-	-	3	10	-	8.01	-	-	-	81	167,414	1	-
	-	-	-	-	-	-	7	4	-	6.56	-	-	-	23	174,839	8	-
	-	-	-	-	-	-	1	3	-	7.10	-	-	-	23	30,494	1	-
	-	-	-	-	-	-	2	2	-	10.54	-	-	-	32	55,307	2	-
	-	-	-	-	-	-	-	-	-	14.66	-	-	-	20	37,361	1	-
	-	-	-	-	-	-	-	-	-	14.66	-	-	-	4	10,271	1	-
	-	-	-	-	-	-	6	9	-	14.66	-	-	-	53	95,468	2	-
	-	-	-	-	-	-	-	-	-	7.48	-	-	-	2	4,084	1	-
	-	-	-	-	-	-	21	39	-	7.48	5.78	13.27	161	313	587,342	24	6

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASO- CIATED WORK LOCA- TION						
	FATAL	NFDL				TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL										
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL													NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
BARITE--CONTINUED:																							
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																							
CALIFORNIA	-	-	-	3	3	16	-	2.98	2.98	12.91	15.89	-	10	10	3	5,422	1	2					
GEORGIA	-	-	-	7	7	10	-	8.01	8.01	3.43	11.44	-	178	178	99	201,399	3	3					
LOUISIANA	-	-	-	1	1	4	-	4.64	4.64	13.93	18.58	-	19	19	38	174,839	8	3					
MISSOURI	-	-	-	1	1	3	-	10.13	10.13	10.13	10.54	-	841	841	42	43,098	4	1					
MONTANA	-	-	-	4	4	4	-	10.13	10.13	10.13	10.54	-	21	21	20	5,174	3	1					
NEVADA	-	-	-	2	2	2	-	14.66	14.66	4.19	18.85	-	163	163	5	78,998	1	-					
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	37,961	1	-					
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	10,271	2	-					
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	7,027	1	-					
TENNESSEE	-	-	-	6	7	9	-	14.66	14.66	4.19	18.85	-	163	163	53	95,468	6	-					
TEXAS	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2	4,084	1	-					
UTAH	-	-	-	23	24	45	-	7.17	7.17	6.27	13.45	-	174	174	363	669,393	32	6					
TOTAL OR AVERAGE																							
OFFICE:																							
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	52,268	-	3					
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	49,521	-	3					
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	16,538	-	3					
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	17,049	-	2					
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	7,166	-	1					
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6,983	-	2					
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	29,920	-	6					
TOTAL OR AVERAGE																							
GRAND TOTAL OR AVERAGE:																							
CALIFORNIA	-	-	-	3	3	16	-	2.37	2.37	10.25	12.61	-	8	8	3	5,422	1	2					
GEORGIA	-	-	-	7	7	10	-	6.24	6.24	2.67	8.91	-	139	139	124	253,667	3	3					
LOUISIANA	-	-	-	1	1	4	-	4.04	4.04	12.11	16.14	-	16	16	43	224,360	8	3					
MISSOURI	-	-	-	1	1	3	-	8.33	8.33	8.33	8.66	-	691	691	51	49,556	4	1					
MONTANA	-	-	-	4	4	4	-	8.33	8.33	8.33	8.66	-	18	18	24	96,047	3	3					
NEVADA	-	-	-	2	2	2	-	11.25	11.25	3.21	14.46	-	125	125	45	127,451	1	1					
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	16,354	1	2					
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	7,027	1	-					
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	124,488	6	-					
TENNESSEE	-	-	-	6	7	9	-	-	-	-	-	-	-	-	2	4,084	1	-					
TEXAS	-	-	-	-	-	2	-	-	-	-	-	-	-	-	448	836,998	32	31					
UTAH	-	-	-	23	24	45	-	5.73	5.73	5.02	10.75	-	140	140	448	836,998	32	31					
TOTAL OR AVERAGE																							

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY		TOTAL NFDL	TOTAL FATAL AND NFDL								TOTAL INJURIES					
			TOTAL	PARTIAL															
BORON: UNDERGROUND MINES: UNDERGROUND: CALIFORNIA----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	7 7 2 2 9 9	7,711 7,711 3,638 3,638 11,349 11,349	2 2 - - 2 2	- - 1 1 - -			
SURFACE AT UNDERGROUND: CALIFORNIA----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	2 2	3,638 3,638	- -	1 1		
TOTAL OR AVERAGE, UG: CALIFORNIA----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	9 9	11,349 11,349	2 2	1 1		
SURFACE MINES: OPEN PIT: CALIFORNIA----- TOTAL OR AVERAGE-----	- - -	- - -	4 4 4	4 4 4	4 4 4	4 4 4	- - -	2.77 2.77 2.77	2.77 2.77 2.77	- - -	2.77 2.77 2.77	- - -	42 42 42	136 136	288,637 288,637	1 1	- -		
TOTAL OR AVERAGE, SURFACE: CALIFORNIA----- TOTAL OR AVERAGE-----	- - -	- - -	4 4 4	4 4 4	4 4 4	4 4 4	- - -	2.77 2.77 2.77	2.77 2.77 2.77	- - -	2.77 2.77 2.77	- - -	42 42 42	136 136	288,637 288,637	1 1	- -		
TOTAL OR AVERAGE, MINING: CALIFORNIA----- TOTAL OR AVERAGE-----	- - -	- - -	4 4 4	4 4 4	4 4 4	4 4 4	- - -	2.67 2.67 2.67	2.67 2.67 2.67	- - -	2.67 2.67 2.67	- - -	40 40 40	145 145	299,986 299,986	3 3	1 1		
PROCESSING PLANTS: CALIFORNIA----- NEVADA----- SOUTH CAROLINA----- TOTAL OR AVERAGE-----	- - - -	- - - -	4 - 3 7	4 - 3 7	4 - 3 7	8 - 8 16	4 - 5 9	.88 - 12.03 1.39	.88 - 12.03 1.39	.88 - 20.05 1.79	1.76 - 32.07 3.19	- - - -	20 - 80 22	452 23 24 499	906,957 47,345 49,887 1,004,189	- 1 1 2	1 - - 1		
TOTAL OR AVERAGE, ALL MINES AND PLANTS: CALIFORNIA----- NEVADA----- SOUTH CAROLINA----- TOTAL OR AVERAGE-----	- - - -	- - - -	8 - 3 11	8 - 3 11	8 - 3 11	12 - 8 20	4 - 5 9	1.33 - 12.03 1.69	1.33 - 12.03 1.69	.66 - 20.05 1.38	1.99 - 32.07 3.07	- - - -	25 - 80 26	597 23 24 644	1,206,943 47,345 49,887 1,304,175	3 1 1 5	2 - - 2		

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION				
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INDU- RIES	FATAL					NFDL	ALL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL																
																				TOTAL	PARTIAL
BROWN-CONTINUED: OFFICE: CALIFORNIA----- NEVADA----- SOUTH CAROLINA----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	197 3 5 205	403,685 5,719 8,937 418,341	- - - - -	2 1 1 4				
GRAND TOTAL OR AVERAGE: CALIFORNIA----- NEVADA----- SOUTH CAROLINA----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	794 26 29 849	1,510,628 53,064 58,824 1,722,516	- - - - -	4 1 1 6			
CLAY: UNDERGROUND MINES: UNDERGROUND: CALIFORNIA----- NEVADA----- OHIO----- PENNSYLVANIA----- UTAH----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	3 2 6 4 2 17	1,524 1,254 12,066 6,273 168 21,225	- - - - - - -	1 1 1 1 1 5			
SURFACE AT UNDERGROUND: CALIFORNIA----- NEVADA----- PENNSYLVANIA----- UTAH----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	1 3 2 1 7	726 5,333 2,630 248 8,937	- - - - -	1 1 1 1 4		
TOTAL OR AVERAGE, UG:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
CALIFORNIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
NEVADA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PENNSYLVANIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
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64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF HOURS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASO- CIATED WORK LOCA- TION			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJU- RIES	FATAL	NFDL					ALL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL																
																			TOTAL	PARTIAL
CLAY-CONTINUED: SURFACE MINES: OPEN PIT:																				
ALABAMA	-	-	3	3	3	4	-	4.51	4.51	1.50	6.01	-	21	133,112	83	21	17			
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	32,561	16	-	2			
ARKANSAS	-	-	3	3	3	5	-	5.53	5.53	3.69	9.21	-	112	30,669	19	-	5			
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	108,536	95	-	14			
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	13,194	38	-	16			
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	11,944	5	-	2			
FLORIDA	-	-	3	3	3	4	-	3.91	3.91	1.30	5.22	-	102	153,310	75	102	3			
GEORGIA	-	-	24	24	24	48	-	2.77	2.77	2.77	5.54	-	66	1,722,065	829	66	33			
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	41,177	28	-	6			
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	23,196	13	-	3			
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	3,708	5	-	2			
KANSAS	-	-	2	2	2	3	-	2.92	2.92	1.46	4.39	-	3	26,038	18	3	7			
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	136,797	83	-	8			
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	17,652	20	-	6			
MAINE	-	-	-	-	-	-	-	-	-	-	-	-	-	3,840	2	-	1			
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	3,048	7	-	2			
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	5,471	5	-	2			
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	3,060	3	-	2			
MISSISSIPPI	-	-	1	1	1	2	-	1.13	1.13	1.13	2.26	-	45	176,837	105	45	16			
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	53,923	37	-	9			
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1	-	1			
NEVADA	-	-	3	3	3	4	-	52.01	52.01	17.34	69.35	-	3,727	11,536	9	3,727	2			
NEW HAMPSHIRE	-	-	-	-	-	-	-	-	-	-	-	-	-	4,547	2	-	1			
NORTH CAROLINA	-	-	3	3	3	3	-	8.14	8.14	-	8.14	-	87	73,744	76	87	17			
OHIO	-	-	2	2	2	2	-	3.87	3.87	-	3.87	-	10	103,320	57	10	9			
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	17,243	20	-	9			
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	3,215	3	-	2			
PENNSYLVANIA	-	-	1	1	1	1	-	6.23	6.23	-	6.23	-	6	22,083	21	6	10			
SOUTH CAROLINA	-	-	5	5	5	5	-	6.79	6.79	-	6.79	-	232	147,235	100	232	20			
TENNESSEE	-	-	2	2	2	2	-	2.01	2.01	3.66	2.01	-	166	199,384	110	166	16			
TEXAS	-	-	2	2	2	5	-	2.44	2.44	-	2.44	-	301	164,105	85	301	29			
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	9,280	14	-	4			
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	32,967	26	-	6			
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	7,437	25	-	4			
WEST VIRGINIA	-	-	4	4	4	8	-	3.57	3.57	-	3.57	-	21	5,936	3	21	1			
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	224,078	116	-	5			
TOTAL OR AVERAGE	-	-	58	58	58	96	-	3.10	3.10	2.03	5.13	-	87	3,746,287	2,157	87	291			

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT	TEMPO- RARY															
			TOTAL	PARTIAL														
CLAY-CONTINUED:																		
TOTAL OR AVERAGE, SURFACE:																		
ALABAMA	-	-	-	3	3	4	-	4.51	4.51	1.50	6.01	-	21	21	83	133,112	17	-
ARIZONA	-	-	-	-	-	1	-	-	-	-	-	-	-	-	16	32,561	2	-
ARKANSAS	-	-	-	3	3	5	-	5.53	5.53	3.69	9.21	-	112	112	95	30,662	14	-
CALIFORNIA	-	-	-	-	-	2	-	-	-	-	-	-	-	-	38	108,536	16	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	13,194	2	-
CONNECTICUT	-	-	-	3	3	4	-	3.91	3.91	1.30	5.22	-	102	102	75	11,944	3	-
FLORIDA	-	-	-	24	24	48	-	2.77	2.77	2.77	5.54	-	66	66	829	153,310	33	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	1,732,095	6	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	41,177	3	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	23,196	3	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	3,708	2	-
KANSAS	-	-	-	2	2	3	-	2.92	2.92	1.46	4.39	-	3	3	83	26,038	7	-
KENTUCKY	-	-	-	-	-	1	-	-	-	-	-	-	-	-	20	136,707	8	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	17,652	6	-
MAINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	3,840	1	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5,471	2	-
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3,060	1	-
MINNESOTA	-	-	-	1	1	2	-	1.13	1.13	1.13	2.26	-	45	45	105	176,837	16	-
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	53,923	9	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	11,536	1	-
NEBRASKA	-	-	-	3	3	4	-	52.01	52.01	17.34	69.35	-	3,727	3,727	9	11,536	2	-
NEVADA	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	4,547	1	-
NEW HAMPSHIRE	-	-	-	3	3	3	-	8.14	8.14	8.14	8.14	-	87	87	78	73,744	17	-
NORTH CAROLINA	-	-	-	2	2	2	-	3.87	3.87	3.87	3.87	-	10	10	57	103,320	9	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	17,243	9	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3,215	2	-
OREGON	-	-	-	1	1	1	-	6.23	6.23	6.23	6.23	-	6	6	21	32,043	10	-
PENNSYLVANIA	-	-	-	5	5	5	-	6.79	6.79	6.79	6.79	-	232	232	100	147,235	20	-
SOUTH CAROLINA	-	-	-	2	2	2	-	2.01	2.01	2.01	2.01	-	166	166	110	199,384	16	-
TENNESSEE	-	-	-	2	2	5	-	2.44	2.44	3.66	6.09	-	301	301	85	164,105	29	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	9,280	4	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	32,967	6	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	7,437	4	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5,936	1	-
WEST VIRGINIA	-	-	-	4	4	8	-	3.57	3.57	3.57	7.14	-	21	21	116	224,078	5	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2,437	1	-
TOTAL OR AVERAGE	-	-	-	58	58	96	-	3.10	3.10	2.03	5.13	-	87	87	2,157	3,746,287	291	-

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES		AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERATIONS	ASSO- CIATED WORK LOCA- TION	
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL					
		TOTAL	PERMANENT	TEMPO- RARY														
																		PARTIAL
CLAY-CONTINUED:																		
TOTAL OR AVERAGE, MINING:																		
ALABAMA	-	-	3	3	3	1	4	4.51	1.50	6.01	-	21	21	135,112	83	17	-	-
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	32,561	16	2	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	30,669	19	5	-	-
ARKANSAS	-	-	3	3	3	2	5	5.42	3.61	9.03	-	110	110	110,766	99	15	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	13,194	38	16	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	11,944	6	2	-	-
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	11,944	75	3	-	-
FLORIDA	-	-	3	3	3	1	4	3.91	1.35	5.22	-	102	102	153,310	829	33	-	-
GEORGIA	-	-	24	24	24	24	48	2.77	2.77	5.54	-	66	66	1,732,095	28	3	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	41,177	13	6	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	23,196	15	3	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	3,708	18	2	-	-
KANSAS	-	-	2	2	2	1	3	2.92	1.46	4.39	-	3	3	26,038	83	7	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	136,797	20	8	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	3,840	7	1	-	-
MAINE	-	-	-	-	-	-	-	-	-	-	-	-	-	3,048	2	2	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	5,471	5	1	-	-
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	3,060	3	1	-	-
MINNESOTA	-	-	1	1	1	1	2	1.13	1.13	2.26	-	45	45	176,837	105	16	-	-
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	53,923	37	9	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	18,123	14	1	-	-
NEBRASKA	-	-	3	3	3	1	4	33.11	11.04	44.14	-	2,373	2,373	4,547	2	1	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	73,744	78	17	-	-
NEW HAMPSHIRE	-	-	3	3	3	-	3	8.14	-	8.14	-	87	87	115,306	63	10	-	-
NORTH CAROLINA	-	-	5	5	5	-	5	8.67	-	8.67	-	29	29	17,243	20	9	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	3,215	3	2	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	40,966	27	11	-	-
OREGON	-	-	1	1	1	-	1	4.88	-	4.88	-	5	5	147,215	100	20	-	-
PENNSYLVANIA	-	-	5	5	5	-	5	6.79	-	6.79	-	232	232	199,364	110	16	-	-
SOUTH CAROLINA	-	-	2	2	2	3	5	2.01	3.66	5.69	-	166	166	164,105	85	29	-	-
TENNESSEE	-	-	2	2	2	-	2	2.44	-	2.44	-	301	301	9,696	17	3	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	30,367	26	4	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	7,437	25	1	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	5,036	3	1	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	224,076	116	1	-	-
WEST VIRGINIA	-	-	4	4	4	4	8	3.57	3.57	7.14	-	21	21	3,776,449	2,181	296	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	61	61	61	38	99	3.23	3.23	6.46	-	87	87	3,776,449	2,181	296	-	-

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						AVERAGE NUMBER OF WORKERS	SEVERITY MEASURES		EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION					
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL		TOTAL INJURIES	INCIDENCE RATES								
		PERMANENT	TEMPO- RARY	TOTAL NFDL					FATAL				NFDL	ALL FATAL AND NFDL	NOL	ALL INJU- RIES	
																	FATAL
CLAY-CONTINUED: PROCESSING PLANTS:																	
ALABAMA	-	-	-	16	16	16	8	24	-	5.22	2.61	7.82	37	290	613,610	8	
ARKANSAS	-	-	-	10	10	10	13	1	-	4.33	2.94	2.54	82	257	78,879	3	
CALIFORNIA	-	-	-	4	4	4	1	23	-	1.73	5.63	9.95	71	227	462,131	5	
FLORIDA	-	-	-	131	133	133	182	315	-	3.03	4.14	2.16	39	3,963	8,790,716	16	
GEORGIA	-	-	-	2	2	2	1	3	-	14.73	5.52	20.26	364	155	325,832	4	
IDAHO	-	-	-	24	24	24	9	33	-	15.65	6.26	5.94	797	22	127,805	2	
ILLINOIS	-	-	-	10	10	10	4	14	-	2.19	2.19	4.36	28	57	91,261	4	
IOWA	-	-	-	9	9	9	1	1	-	2.95	9.01	8.85	76	378	813,307	2	
KANSAS	-	-	-	1	1	1	1	2	-	13.89	13.89	15.62	569	176	377,325	3	
KENTUCKY	-	-	-	11	12	12	24	36	-	5.13	5.13	7.69	33	37	78,011	1	
LOUISIANA	-	-	-	17	17	17	5	22	-	6.99	6.99	13.98	262	30	57,232	7	
MASSACHUSETTS	-	-	-	8	8	8	1	3	-	4.28	4.28	6.18	22	2	20,412	1	
MISSISSIPPI	-	-	-	2	2	2	2	4	-	8.80	8.80	3.03	549	60	132,210	7	
MISSOURI	-	-	-	2	2	2	2	4	-	3.04	3.04	15.17	23	328	659,042	6	
NEVADA	-	-	-	9	9	9	4	13	-	7.03	7.03	4.57	289	15	525,514	9	
NEW MEXICO	-	-	-	28	28	28	21	50	-	14.47	14.47	25.14	322	34	55,269	2	
NORTH CAROLINA	-	-	-	1	1	1	4	5	-	9.75	9.75	17.016	97	301	635,249	1	
OHIO	-	-	-	3	3	3	16	47	-	4.29	4.29	8.36	97	6,970	14,957,263	91	
OKLAHOMA	-	-	-	2	2	2	2	4	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	9	9	9	4	13	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	9	9	9	4	13	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	28	28	28	21	50	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	8	8	8	4	12	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	1	1	1	4	5	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	3	3	3	2	5	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	1	1	1	4	5	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	30	31	31	16	47	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	1	1	1	16	18	-	-	-	-	-	-	-	-	-
WISCONSIN	-	-	-	314	321	321	306	627	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	7	7	7	306	627	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	314	321	321	306	627	-	-	-	-	-	-	-	-	-

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION		
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	TOTAL INJURIES													
																		TOTAL	PARTIAL
CLAY-CONTINUED: TOTAL OR AVERAGE, ALL MINES AND PLANTS: ALABAMA ALASKA ARIZONA ARKANSAS CALIFORNIA COLORADO CONNECTICUT FLORIDA GEORGIA IDAHO ILLINOIS INDIANA IOWA KANSAS KENTUCKY LOUISIANA MAINE MARYLAND MASSACHUSETTS MINNESOTA MISSISSIPPI MISSOURI NEBRASKA NEVADA NEW HAMPSHIRE NEW JERSEY NORTH CAROLINA OHIO OKLAHOMA OREGON PENNSYLVANIA SOUTH CAROLINA SOUTH DAKOTA TENNESSEE TEXAS UTAH VIRGINIA WASHINGTON WEST VIRGINIA WISCONSIN WYOMING TOTAL OR AVERAGE	- -<																		

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASST- ED WORK LOCA- TION			
	FATAL	NFDL				TOTAL INJURIES	TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL					NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL															
																			TOTAL	PARTIAL
CLAY-CONTINUED: OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	108,237	18	2	248	
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2,751	2	2	248	
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	16,832	13	1	248	
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	128,486	11	1	248	
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	1,316	2	2	248	
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	795	140,624	31	1	248	
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1,657,542	2	2	248	
FLORIDA	-	-	-	-	-	1	-	-	-	-	-	-	-	-	12	3,394	1	1	248	
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	34,380	2	2	248	
IDAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	863	1,232	7	7	248	
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4,064	1	1	248	
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	16,005	1	1	248	
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,636	1	1	248	
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	56	2	248	
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	56	2	248	
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	56	2	248	
MAINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	43	1	1	248	
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,102	1	1	248	
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	26	1	1	248	
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	111,330	1	1	248	
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	42,833	1	1	248	
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	19,765	1	1	248	
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	1	1	248	
NEW HAMPSHIRE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,456	1	1	248	
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	8,736	1	1	248	
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	20,148	1	1	248	
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	6,790	1	1	248	
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	560	1	1	248	
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	10,323	1	1	248	
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	125,130	20	20	248	
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	6,320	1	1	248	
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	106,485	1	1	248	
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	216,356	1	1	248	
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	11,606	1	1	248	
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4,572	1	1	248	
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,788	1	1	248	
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	122,252	1	1	248	
WISCONSIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3,034,566	7	7	248	
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	248	
TOTAL OR AVERAGE	-	-	-	-	-	5	13	20	33	2	2	2	2	2	1,562	3,034,566	7	7	248	

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKING TIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERATIONS	ASST- CIATED WORK LOAD- ING			
	FATAL	NFDL				TOTAL INJURIES							
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL						NFDL		
												TOTAL	PARTIAL
CLAY-CONTINUED													
GRAND TOTAL OR AVERAGE													
ALABAMA			19		19	9	19	29	25	426	254,812	21	28
ARIZONA										61	126,368	72	15
ARKANSAS					13	15	13	4	29	427	114,510	64	364
CALIFORNIA										55	126,368	295	33
COLORADO										347	756,871	38	207
CONNECTICUT			7		7	2	7	53	3	559	2,186,243	295	33
FLORIDA			157		157	207	157	3	36	40	126,368	295	33
GEORGIA										10	126,368	295	33
IDAHO			24		24	9	24	4	16	20	126,368	295	33
ILLINOIS										10	126,368	295	33
INDIANA										10	126,368	295	33
IOWA										10	126,368	295	33
KANSAS										10	126,368	295	33
KENTUCKY			11		12	7	12	3	74	42	63,774	295	33
LOUISIANA			1		1	1	1	1	1	1	126,368	295	33
MAINE										1	126,368	295	33
MARYLAND										1	126,368	295	33
MASSACHUSETTS										1	126,368	295	33
MINNESOTA			12		13	25	13	2	11	15	126,368	295	33
MISSISSIPPI			17		17	1	17	1	1	1	126,368	295	33
MISSOURI										1	126,368	295	33
NEBRASKA										1	126,368	295	33
NEVADA			11		11	2	11	2	1	1	126,368	295	33
NEW HAMPSHIRE										1	126,368	295	33
NEW JERSEY										1	126,368	295	33
NEW MEXICO			5		5	1	5	1	1	1	126,368	295	33
NORTH CAROLINA			7		7	2	7	2	1	1	126,368	295	33
OHIO										1	126,368	295	33
OKLAHOMA										1	126,368	295	33
OREGON										1	126,368	295	33
PENNSYLVANIA			1		1		1			1	126,368	295	33
SOUTH CAROLINA			14		14	4	14	4	1	1	126,368	295	33
SOUTH DAKOTA										1	126,368	295	33
TENNESSEE			31		31	21	31	21	1	1	126,368	295	33
TEXAS			11		11	4	11	4	1	1	126,368	295	33
UTAH			2		2	4	2	4	1	1	126,368	295	33
VIRGINIA			3		3		3			1	126,368	295	33
WASHINGTON										1	126,368	295	33
WEST VIRGINIA										1	126,368	295	33
WISCONSIN										1	126,368	295	33
WYOMING										1	126,368	295	33
TOTAL OR AVERAGE			377	7	384	347	384	3	19	6.72	21,756,275	20	82

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES	SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION			
	FATAL	NFDL				TOTAL INJURIES		FATAL	NFDL	ALL FATAL AND NFDL							
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL										NFDL		
																TOTAL	PARTIAL
FELDSPAR: SURFACE MINES: OPEN PIT: CONNECTICUT----- GEORGIA----- NORTH CAROLINA----- SOUTH DAKOTA----- TOTAL OF AVERAGE-----	-	-	-	1	1	1	-	1	12.40	12.40	-	248	248	8	16,132	2	-
	-	-	-	5	5	5	-	5	41.39	41.39	-	166	166	10	24,160	3	-
	-	-	-	3	3	3	-	3	8.07	8.07	-	54	54	33	74,352	4	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	16	7,964	3	-
	-	-	-	9	9	9	-	9	14.68	14.68	-	98	98	67	122,608	12	-
TOTAL OR AVERAGE, SURFACE: CONNECTICUT----- GEORGIA----- NORTH CAROLINA----- SOUTH DAKOTA----- TOTAL OF AVERAGE-----	-	-	-	1	1	1	-	1	12.40	12.40	-	248	248	8	16,132	2	-
	-	-	-	5	5	5	-	5	41.39	41.39	-	166	166	10	24,160	3	-
	-	-	-	3	3	3	-	3	8.07	8.07	-	54	54	33	74,352	4	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	16	7,964	3	-
	-	-	-	9	9	9	-	9	14.68	14.68	-	98	98	67	122,608	12	-
TOTAL OR AVERAGE, MINING: CONNECTICUT----- GEORGIA----- NORTH CAROLINA----- SOUTH DAKOTA----- TOTAL OF AVERAGE-----	-	-	-	1	1	1	-	1	12.40	12.40	-	248	248	8	16,132	2	-
	-	-	-	5	5	5	-	5	41.39	41.39	-	166	166	10	24,160	3	-
	-	-	-	3	3	3	-	3	8.07	8.07	-	54	54	33	74,352	4	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	16	7,964	3	-
	-	-	-	9	9	9	-	9	14.68	14.68	-	98	98	67	122,608	12	-
PROCESSING PLANTS: CALIFORNIA----- CONNECTICUT----- GEORGIA----- NORTH CAROLINA----- SOUTH CAROLINA----- SOUTH DAKOTA----- TEXAS----- TOTAL OF AVERAGE-----	-	-	-	4	4	4	-	4	18.90	18.90	-	156	156	4	8,044	1	-
	-	-	-	16	16	16	-	16	6.30	6.30	-	169	169	35	42,320	1	-
	-	-	-	-	-	-	-	-	4.72	4.72	-	222	222	22	508,334	5	-
	-	-	-	1	1	1	-	1	9.32	9.32	-	444	444	14	21,457	1	-
	-	-	-	1	1	1	-	1	8.89	8.89	-	28	28	15	22,509	1	-
	-	-	-	1	1	1	-	1	5.51	5.51	-	28	28	18	36,277	1	-
	-	-	-	21	22	22	-	22	6.14	6.14	-	144	144	327	716,955	10	4
TOTAL OR AVERAGE, ALL MINES AND PLANTS: CALIFORNIA----- CONNECTICUT----- GEORGIA----- NORTH CAROLINA----- SOUTH CAROLINA----- SOUTH DAKOTA----- TEXAS----- TOTAL OF AVERAGE-----	-	-	-	5	5	5	-	5	17.11	17.11	-	181	181	4	8,044	1	-
	-	-	-	19	19	19	-	19	9.79	9.79	-	154	154	27	58,452	2	-
	-	-	-	-	-	-	-	-	6.52	6.52	-	328	328	45	102,184	4	-
	-	-	-	1	1	1	-	1	5.15	5.15	-	28	28	255	582,676	9	-
	-	-	-	1	1	1	-	1	6.56	6.56	-	328	328	14	21,457	1	-
	-	-	-	1	1	1	-	1	5.51	5.51	-	28	28	31	30,473	4	-
	-	-	-	30	31	31	-	31	7.38	7.38	-	137	137	18	36,277	1	-
	-	-	-	1	1	1	-	1	4.05	4.05	-	137	137	394	839,563	22	4

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF HOURS	EMPLOYEE- HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATIONS							
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL											
		TOTAL	PERMANENT	TEMPORARY	TOTAL NFDL															FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
FELDSPAR-CONTINUED: OFFICE: CALIFORNIA----- CONNECTICUT----- GEORGIA----- NORTH CAROLINA----- SOUTH CAROLINA----- SOUTH DAKOTA----- TEXAS----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	1 6 8 101 6 2 4 209,939	384 11,578 15,195 161,478 14,842 160 6,392	- - - - - - - -	1 1 4 5 1 1 1 14								
GRAND TOTAL OR AVERAGE: CALIFORNIA----- CONNECTICUT----- GEORGIA----- NORTH CAROLINA----- SOUTH CAROLINA----- SOUTH DAKOTA----- TEXAS----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	- - - - - - - -	5 5 19 1 1 1 30	5 5 19 1 1 1 31	5 5 19 1 1 1 31	14.28 8.53 5.11 6.53 4.69 5.91 5.91	14.28 8.53 5.11 6.53 4.69 5.91 5.91	14.28 10.23 9.14 5.51 6.53 4.69 9.15	- - - - - - -	151 34 121 326 23 110 110	151 34 121 326 23 110 110	5 33 53 366 20 33 22 522	8,428 70,030 117,269 744,154 36,299 30,633 42,669 1,049,502	1 2 4 9 1 4 1 22	1 2 6 6 1 1 1 18										
FELDSPAR: UNDERGROUND MINES: UNDERGROUND: ILLINOIS----- NEVADA----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	7 - 7	7 - 7	7 - 7	17.98 - 17.76	17.98 - 17.76	25.69 - 25.37	- - -	149 - 147	149 - 147	36 2 36	77,848 976 78,824	3 1 4	- - -	- - -									
SURFACE AT UNDERGROUND: ILLINOIS----- NEVADA----- UTAH----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	15.03 - 11.88 11.88	- - -	- - -	- - -	6 1 5 12	13,310 616 2,912 16,838	- - 1 1	- - 1 1	3 1 - 4									
TOTAL OR AVERAGE, UG: ILLINOIS----- NEVADA----- UTAH----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	7 - 7	7 - 7	7 - 7	15.36 - 14.53	15.36 - 14.53	8.78 - 8.36	24.13 - 23.00	- - -	127 - 121	127 - 121	42 3 5 50	91,158 1,592 2,912 95,662	3 1 1 5	3 1 - 4									

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION, AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL					ALL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL INJURIES															
																			TOTAL	PARTIAL
FLUORSPAR-CONTINUED: TOTAL OR AVERAGE, MINING: ILLINOIS----- NEVADA----- UTAH----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	7 - - 7 -	7 - - 7 -	4 - - 4 -	11 - - 11 -	- - - - -	15.36 - - 14.63 -	15.36 - - 14.63 -	8.78 - - 8.36 -	24.13 - - 23.00 -	127 - - 121 -	127 - - 121 -	91,158 1,592 2,912 95,662 -	3 1 1 5 -	3 1 1 5 -				
PROCESSING PLANTS: ILLINOIS----- TEXAS----- TOTAL OR AVERAGE-----	- - - -	- - - -	3 - 3 -	3 - 3 -	14 - 14 -	17 - 17 -	- - - -	3.92 - 3.63 -	3.92 - 3.63 -	18.31 - 16.92 -	22.23 - 20.54 -	247 - 228 -	247 - 228 -	152,952 12,546 165,498 -	59 7 66 -	2 1 3 -	2 1 3 -			
TOTAL OR AVERAGE, ALL MINES AND PLANTS: ILLINOIS----- NEVADA----- TEXAS----- UTAH----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	10 - - 10 -	10 - - 10 -	18 - - 18 -	28 - - 28 -	- - - - -	8.19 - - 7.66 -	8.19 - - 7.66 -	14.75 - - 13.78 -	22.94 - - 21.44 -	202 - - 189 -	202 - - 189 -	244,110 1,592 12,546 2,912 251,160 -	191 3 7 5 116 -	5 1 1 1 8 -	5 1 1 1 8 -			
OFFICE: ILLINOIS----- TEXAS----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	45,014 3,968 48,982 -	23 2 25 -	- - - -	1 1 2 -			
GRAND TOTAL OR AVERAGE: ILLINOIS----- NEVADA----- TEXAS----- UTAH----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	10 - - 10 -	10 - - 10 -	18 - - 18 -	28 - - 28 -	- - - - -	6.92 - - 6.45 -	6.92 - - 6.45 -	12.45 - - 11.61 -	19.37 - - 18.06 -	171 - - 159 -	171 - - 159 -	289,124 1,592 16,514 2,912 310,142 -	124 3 6 5 141 -	5 1 1 1 8 -	5 1 1 1 8 -			
GEMSTONES: UNDERGROUND MINES: UNDERGROUND: CALIFORNIA----- COLORADO----- MONTANA----- TOTAL OR AVERAGE-----	- - - - - -	- - - - - -	1 - - 1 -	1 - - 1 -	- - - - -	1 - - 1 -	- - - - -	18.50 - - 15.15 -	18.50 - - 15.15 -	- - - -	18.50 - - 15.15 -	56 - - 45 -	56 - - 45 -	10,810 150 2,240 13,200 -	9 1 2 12 -	2 1 1 4 -	- - - - -			

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL					ALL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL INJURIES													
GENSTONES-CONTINUED: SURFACE AT UNDERGROUND: COLORADO----- MONTANA----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	1 2 3	150 3,480 3,630	- - -	1 1 2	
TOTAL OR AVERAGE, LG: CALIFORNIA----- COLORADO----- MONTANA----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	1 - - - 1	- - - - -	1 - - - 1	- - - - -	18.50 - - - 11.88	18.50 - - - -	- - - - -	56 - - - 36	- - - - -	- - - - -	- - - - -	9 2 4 15	10,810 300 5,720 16,830	2 1 1 4	- - 1 2	
SURFACE MINES: OPEN PIT: ARIZONA----- ARKANSAS----- IDAHO----- MONTANA----- TOTAL OR AVERAGE-----	- 1 - - - 1	- - - - - -	- - - - - -	- 1 - - - 1	- 1 - - - 1	- - - - - -	- 5.67 - - - 3.01	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- 33.993 - - - 18.052	- - - - - -	15 38 1 2 56	29,912 35,301 400 880 66,473	1 17 1 1 20	- - - - -	
TOTAL OR AVERAGE, SURFACE: ARIZONA----- ARKANSAS----- IDAHO----- MONTANA----- TOTAL OR AVERAGE-----	- 1 - - 1	- - - - -	- - - - -	2 1 - - 2	- 1 - - 1	- - - - -	- 5.67 - - - 3.01	- - - - -	- - - - -	- - - - -	- - - - -	- 33.993 - - - 18.052	- - - - -	15 38 1 2 56	29,912 35,301 400 880 66,473	1 17 1 1 20	- - - - -	
TOTAL OR AVERAGE, MINING: ARIZONA----- ARKANSAS----- CALIFORNIA----- COLORADO----- IDAHO----- MONTANA----- TOTAL OR AVERAGE-----	- 1 - - - 1	- - - - - -	- - - - - -	2 1 - - - 3	- 1 - - - 2	- - - - -	- 5.67 18.50 - - - 2.40	- - - - -	- - - - -	- - - - -	- - - - -	- 33.993 56 - - -	- - - - -	15 38 9 2 1 6 71	29,912 35,301 10,810 300 400 6,580 83,303	1 17 2 1 1 2 24	- - 1 1 1 1 2	
PROCESSING PLANTS: ARIZONA----- ARKANSAS----- MONTANA----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	5 17 2 24	10,512 33,608 700 44,820	- 1 1 1 1	1 1 1 3	

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION			
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJ- URIES	FATAL	NFDL	ALL FATAL AND NFDL							
		TOTAL	PERMANENT	PARTIAL	TEMPO- RARY	TOTAL NFDL												TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES
GEMSTONES-CONTINUED:																				
TOTAL OR AVERAGE, ALL																				
MINES AND PLANTS:																				
ARIZONA	-	-	-	-	-	-	1	1	2	2.90	-	-	17.414	-	40,424	1	1			
ARKANSAS	-	-	-	-	-	-	-	-	-	2.90	-	-	56	-	68,909	18	1			
CALIFORNIA	-	-	-	-	-	-	-	-	-	18.50	-	-	-	-	10,810	2	1			
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	1	1			
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400	1	2			
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,280	2	5			
TOTAL OR AVERAGE	1	-	-	1	1	2	1	3	1.56	3.12	9.366	5	9.371	95	128,123	25				
OFFICE:																				
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,000	-	1			
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,792	-	3			
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,868	1	1			
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	-	1			
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	700	-	2			
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	17	27,540	1	7			
GRAND TOTAL OR AVERAGE:																				
ARIZONA	-	-	-	-	-	-	-	2	2.45	2.45	14.688	-	14.688	24	48,424	1	2			
ARKANSAS	-	-	-	-	-	-	1	1	-	-	-	-	-	62	81,701	18	4			
CALIFORNIA	-	-	-	-	-	-	1	1	18.50	18.50	-	56	56	9	10,810	2	2			
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6,148	1	1			
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	2	700	1	1			
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	10	7,990	2	4			
TOTAL OR AVERAGE	1	-	-	1	1	2	1	3	1.28	2.57	7.704	4	7.708	112	155,763	26	12			
GILSONITE:																				
UNDERGROUND MINES:																				
UNDERGROUND:																				
UTAH	-	-	-	5	5	5	7	12	-	12.98	12.98	52	52	40	77,065	5	-			
TOTAL OR AVERAGE	-	-	-	5	5	5	7	12	-	12.98	12.98	52	52	40	77,065	5	-			
SURFACE AT UNDERGROUND:																				
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	22	39,759	-	5			
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	22	39,759	-	5			
TOTAL OR AVERAGE, I.G:																				
UTAH	-	-	-	5	5	5	7	12	-	8.56	8.56	34	34	62	116,825	5	5			
TOTAL OR AVERAGE	-	-	-	5	5	5	7	12	-	8.56	8.56	34	34	62	116,825	5	5			

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES								INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION		
	FATAL	NFDL					TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	NOL															
																				TOTAL	PARTIAL
GILSONITE-CONTINUED:																					
TOTAL OR AVERAGE, MINING:																					
UTAH-----																					
TOTAL OR AVERAGE-----																					
PROCESSING PLANTS:																					
UTAH-----																					
TOTAL OR AVERAGE-----																					
TOTAL OR AVERAGE, ALL																					
MINES AND PLANTS:																					
UTAH-----																					
TOTAL OR AVERAGE-----																					
OFFICE:																					
UTAH-----																					
TOTAL OR AVERAGE-----																					
GRAND TOTAL OR AVERAGE:																					
UTAH-----																					
TOTAL OR AVERAGE-----																					
GYPSUM:																					
UNDERGROUND MINES:																					
UNDERGROUND:																					
INDIANA-----																					
IOWA-----																					
KANSAS-----																					
MICHIGAN-----																					
NEW YORK-----																					
VIRGINIA-----																					
TOTAL OR AVERAGE-----																					
SURFACE AT UNDERGROUND:																					
INDIANA-----																					
IOWA-----																					
KANSAS-----																					
NEW YORK-----																					
TOTAL OR AVERAGE-----																					

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	
	FATAL	NFDL				TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL													NOL
GYPSUM-CONTINUED:																		
TOTAL OR AVERAGE, UG:																		
INDIANA-----	-	-	-	-	-	3	-	3	-	2.39	-	-	-	106	251,084	2	1	
IOWA-----	-	-	-	-	-	2	-	2	-	2.59	-	-	-	71	154,644	1	1	
KANSAS-----	-	-	-	-	-	1	-	1	-	3.47	-	-	-	26	57,704	2	1	
MICHIGAN-----	-	-	1	1	1	2	-	4.31	4.31	8.61	-	9	9	20	46,454	2	1	
NEW YORK-----	-	-	-	-	-	6	-	-	-	7.73	-	-	-	78	155,155	1	1	
VIRGINIA-----	1	-	1	2	3	7	-	5.00	6.66	11.66	-	1,014	11,006	53	120,098	1	1	
TOTAL OR AVERAGE-----	1	-	1	3	4	21	-	1.02	1.27	4.98	5.35	1.528	1.684	354	785,163	9	4	
SURFACE MINES:																		
OPEN PIT:																		
ARIZONA-----	-	-	-	-	-	-	-	2.86	2.86	5.72	-	-	-	25	44,788	5	-	
ARKANSAS-----	-	-	1	1	1	2	-	2.79	2.79	5.58	-	114	114	38	69,899	2	-	
CALIFORNIA-----	-	-	-	-	-	2	-	-	-	5.58	-	6	6	34	71,570	3	-	
COLORADO-----	-	-	-	-	-	1	-	1.23	1.23	1.23	-	22	22	21	26,752	4	-	
IOWA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	14	162,016	1	-	
KANSAS-----	-	-	2	2	2	2	-	2.50	2.50	2.50	-	26	26	67	23,257	3	-	
MICHIGAN-----	-	-	1	1	1	2	-	1.79	1.79	3.58	-	5	5	56	111,758	8	-	
NEVADA-----	-	-	-	-	-	1	-	-	-	18.48	-	-	-	12	10,822	2	-	
NEW MEXICO-----	-	-	-	-	-	1	-	-	-	-	-	-	-	10	20,401	1	-	
OHIO-----	-	-	-	-	-	11	-	4.52	4.52	8.29	-	162	162	141	265,461	14	-	
OKLAHOMA-----	-	-	6	6	6	5	-	4.91	4.91	6.13	-	107	107	80	163,063	7	-	
SOUTH DAKOTA-----	-	-	4	4	4	1	-	4.91	4.91	6.81	-	116	116	16	31,575	3	-	
TEXAS-----	-	-	-	-	-	1	-	6.81	6.81	6.81	-	-	-	17	29,353	3	-	
UTAH-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	
WYOMING-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	17	17	17	27	-	2.83	2.83	4.50	4.50	67	67	608	1,199,353	63	-	
TOTAL OR AVERAGE, SURFACE:																		
ARIZONA-----	-	-	-	-	-	-	-	2.86	2.86	5.72	-	-	-	25	44,788	5	-	
ARKANSAS-----	-	-	-	-	-	2	-	2.79	2.79	5.58	-	114	114	38	69,899	2	-	
CALIFORNIA-----	-	-	-	-	-	2	-	-	-	5.58	-	6	6	34	71,570	3	-	
COLORADO-----	-	-	-	-	-	1	-	1.23	1.23	1.23	-	22	22	21	26,752	4	-	
IOWA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	14	162,016	1	-	
KANSAS-----	-	-	2	2	2	2	-	2.50	2.50	2.50	-	26	26	67	23,257	3	-	
MICHIGAN-----	-	-	1	1	1	2	-	1.79	1.79	3.58	-	5	5	56	111,758	8	-	
NEVADA-----	-	-	-	-	-	1	-	-	-	18.48	-	-	-	12	10,822	2	-	
NEW MEXICO-----	-	-	-	-	-	1	-	-	-	-	-	-	-	10	20,401	1	-	
OHIO-----	-	-	-	-	-	11	-	4.52	4.52	8.29	-	162	162	141	265,461	14	-	
OKLAHOMA-----	-	-	6	6	6	5	-	4.91	4.91	6.13	-	107	107	80	163,063	7	-	
SOUTH DAKOTA-----	-	-	4	4	4	1	-	4.91	4.91	6.81	-	116	116	16	31,575	3	-	
TEXAS-----	-	-	-	-	-	1	-	6.81	6.81	6.81	-	-	-	17	29,353	3	-	
UTAH-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	
WYOMING-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	17	17	17	27	-	2.83	2.83	4.50	4.50	67	67	608	1,199,353	63	-	

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INDU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		TOTAL	PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL								NFDL					TOTAL INJURIES
GYPSUM-CONTINUED: TOTAL OR AVERAGE, MINING:																			
ARIZONA-----	-	-	1	1	1	-	2.85	2.85	2.85	-	-	-	114	114	25	44,768	3	-	
ARKANSAS-----	-	-	1	1	1	-	2.79	2.79	2.79	-	-	-	5	5	38	69,699	2	-	
CALIFORNIA-----	-	-	1	1	1	-	-	-	5.56	-	-	-	-	-	34	71,570	3	-	
COLORADO-----	-	-	1	1	1	-	-	-	2.39	-	-	-	-	-	21	26,792	2	-	
INDIANA-----	-	-	1	1	1	-	63	63	1.26	-	-	-	-	-	106	251,084	2	-	
IOWA-----	-	-	1	1	1	-	-	-	2.47	-	-	-	-	-	139	316,660	2	-	
KANSAS-----	-	-	3	3	3	-	2.90	2.90	2.90	-	-	-	-	-	40	81,001	3	-	
MICHIGAN-----	-	-	1	1	1	-	1.79	1.79	1.79	-	-	-	-	-	87	206,531	2	-	
NEVADA-----	-	-	1	1	1	-	-	-	18.43	-	-	-	-	-	56	111,758	2	-	
NEW MEXICO-----	-	-	-	-	-	-	-	-	7.73	-	-	-	-	-	12	10,822	2	-	
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78	155,165	2	-	
OHIO-----	-	-	6	6	6	-	4.52	4.52	3.77	8.29	-	-	-	-	10	20,401	1	-	
OKLAHOMA-----	-	-	4	4	4	-	4.91	4.91	1.23	6.13	-	-	-	-	141	285,401	1	-	
SOUTH DAKOTA-----	-	-	4	4	4	-	-	-	-	-	-	-	-	-	9	8,336	2	-	
TEXAS-----	-	-	3	3	3	-	5.00	5.00	5.00	11.56	-	-	-	-	80	153,065	2	-	
UTAH-----	-	-	2	2	2	-	1.67	1.67	1.67	1.67	-	-	-	-	15	31,578	3	-	
VIRGINIA-----	-	-	1	1	1	-	6.81	6.81	6.81	6.81	-	-	-	-	53	120,098	1	-	
WYOMING-----	-	-	1	1	1	-	-	-	-	-	-	-	-	-	17	29,353	1	-	
TOTAL OR AVERAGE-----	1	-	1	20	21	22	10	2.12	2.22	2.62	4.84	605	102	707	952	1,994,522	72	4	
PROCESSING PLANTS:																			
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	9	1	-	
ARKANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	17,820	1	-	
CALIFORNIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	10,564	1	-	
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	54	1	-	
INDIANA-----	-	-	1	1	1	-	5.75	5.75	4.66	4.66	-	-	-	-	19	42,873	2	-	
IOWA-----	-	-	3	3	3	-	-	-	11.50	11.50	-	-	-	-	43	104,368	4	-	
KANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	22,440	1	-	
MICHIGAN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	80,483	3	-	
NEVADA-----	-	-	-	-	-	-	-	-	-	4.45	4.45	-	-	-	21	44,925	2	-	
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	16,870	1	-	
OHIO-----	-	-	1	1	1	-	1.43	1.43	-	1.43	-	-	-	-	12	36,545	1	-	
OKLAHOMA-----	-	-	2	2	2	-	-	-	5.55	5.55	-	-	-	-	65	140,173	1	-	
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	73,033	3	-	
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	1,360	2	-	
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1,797	1	-	
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	80	1	-	
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,285	1	-	
TOTAL OR AVERAGE-----	-	-	4	4	4	7	1.30	1.30	2.28	3.59	69	69	69	273	613,311	4	27		

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION	
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL					ALL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL													
		TOTAL	PARTIAL															
GYPSUM-CONTINUED: TOTAL OR AVERAGE ALL MINES AND PLANTS:																		
ARIZONA-----	-	-	-	1	1	1	-	2	-	2.28	2.28	-	-	91	44,798	27	1	
ARKANSAS-----	-	-	-	1	1	1	-	2	-	2.43	2.43	-	-	5	87,719	47	1	
CALIFORNIA-----	-	-	-	1	1	1	-	2	-	2.43	2.43	-	-	5	82,334	37	1	
COLORADO-----	-	-	-	4	4	4	-	4	-	-	-	-	-	-	26,856	23	1	
INDIANA-----	-	-	-	4	4	4	-	4	-	1.90	1.90	-	-	107	293	125	1	
IOWA-----	-	-	-	3	3	3	-	3	-	2.72	2.72	-	-	107	421,046	182	1	
KANSAS-----	-	-	-	3	3	3	-	3	-	2.36	2.36	-	-	16	103,441	51	1	
MICHIGAN-----	-	-	-	1	1	1	-	1	-	2.09	2.09	-	-	4	287,114	121	1	
NEVADA-----	-	-	-	1	1	1	-	1	-	1.28	1.28	-	-	4	156,683	77	1	
NEW MEXICO-----	-	-	-	1	1	1	-	1	-	-	-	-	-	-	10,822	12	1	
NEW YORK-----	-	-	-	6	6	6	-	6	-	-	-	-	-	-	172,055	84	1	
OHIO-----	-	-	-	7	7	7	-	7	-	3.45	3.45	-	-	109	56,946	22	1	
OKLAHOMA-----	-	-	-	7	7	7	-	7	-	2.47	2.47	-	-	109	405,574	206	1	
SOUTH DAKOTA-----	-	-	-	4	4	4	-	4	-	3.40	3.40	-	-	74	8,336	9	1	
TEXAS-----	-	-	-	4	4	4	-	4	-	5.95	5.95	-	-	74	235,098	111	1	
UTAH-----	-	-	-	3	3	3	-	3	-	4.69	4.69	-	-	952	44,438	23	1	
VIRGINIA-----	-	-	-	1	1	1	-	1	-	6.26	6.26	-	-	104	127,895	58	1	
WASHINGTON-----	-	-	-	1	1	1	-	1	-	6.13	6.13	-	-	104	60	1	1	
WYOMING-----	-	-	-	1	1	1	-	1	-	-	-	-	-	104	32,639	19	1	
TOTAL OR AVERAGE-----	1	1	24	25	26	33	59	08	1.92	2.00	2.54	462	94	556	2,597,833	1,235	76	
OFFICE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,511	4	1	
ARKANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,320	4	1	
CALIFORNIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,766	4	1	
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,076	5	1	
IDAHO-----	-	-	-	-	-	-	-	-	-	3.85	3.85	-	-	-	51,966	27	1	
KANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,537	13	1	
MICHIGAN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28,059	14	1	
NEVADA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24,928	2	1	
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,444	2	1	
OKLAHOMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63,351	23	1	
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,677	10	1	
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	761	2	1	
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,436	4	1	
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,155	2	1	
TOTAL OR AVERAGE-----	-	-	-	-	-	1	1	-	-	-	.86	-	-	-	232,961	123	49	

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL				
		TOTAL	PERMANENT	TEMPO- RARY	TOTAL NFDL													

GYPSUM-CONTINUED:																		
GRAND TOTAL OR AVERAGE:																		
ARIZONA-----	-	-	-	1	1	1	-	2.08	2.08	2.08	4.16	-	-	83	-	31	48,309	4
ARKANSAS-----	-	-	-	1	1	1	-	2.10	2.10	2.10	4.21	-	-	83	-	51	96,035	2
CALIFORNIA-----	-	-	-	4	4	4	-	-	-	-	2.72	-	-	4	-	43	95,100	3
COLORADO-----	-	-	-	6	6	6	-	1.69	1.69	1.69	2.72	-	-	-	-	24	28,932	5
INDIANA-----	-	-	-	4	4	4	-	1.69	1.69	1.69	2.54	-	-	95	-	125	293,957	2
IOWA-----	-	-	-	1	1	1	-	1.90	1.90	1.90	1.77	-	-	-	-	209	473,014	10
KANSAS-----	-	-	-	3	3	3	-	1.10	1.10	1.10	2.54	-	-	15	-	56	112,978	3
MICHIGAN-----	-	-	-	1	1	1	-	1.10	1.10	1.10	2.30	-	-	3	-	134	315,173	7
NEVADA-----	-	-	-	1	1	1	-	-	-	-	6.84	-	-	-	-	91	181,611	9
NEW MEXICO-----	-	-	-	6	6	6	-	-	-	-	18.48	-	-	-	-	12	10,822	1
NEW YORK-----	-	-	-	5	5	5	-	2.99	2.99	2.99	5.12	-	-	-	-	86	175,499	3
OHIO-----	-	-	-	7	7	7	-	3.23	3.23	3.23	2.42	-	-	94	-	235	56,946	12
OKLAHOMA-----	-	-	-	4	4	4	-	4.40	4.40	4.40	5.65	-	-	70	-	9	8,336	2
SOUTH DAKOTA-----	-	-	-	3	3	3	-	1.47	1.47	1.47	10.27	-	-	883	-	121	247,775	9
TEXAS-----	-	-	-	3	3	3	-	5.59	5.59	5.59	-	-	-	95	-	25	45,199	4
UTAH-----	1	-	-	1	1	1	-	-	-	-	5.59	-	-	-	-	62	136,325	2
VIRGINIA-----	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	1	80	1
WASHINGTON-----	-	-	-	24	25	26	34	1.77	1.84	2.40	4.24	424	87	511	1,358	2,830,794	76	80
TOTAL OR AVERAGE-----	1	-	1	24	25	26	34	1.77	1.84	2.40	4.24	424	87	511	1,358	2,830,794	76	80
KYANITE:																		
SURFACE MINES:																		
OPEN PIT:																		
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	61,529	2
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	61,529	2
TOTAL OR AVERAGE, SURFACE:																		
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	61,529	2
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	61,529	2
TOTAL OR AVERAGE, MINING:																		
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	61,529	2
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	61,529	2
PROCESSING PLANTS:																		
VIRGINIA-----	-	1	-	9	10	10	8	8.07	8.07	6.46	14.53	-	-	142	-	106	247,719	1
TOTAL OR AVERAGE-----	-	1	-	9	10	10	8	8.07	8.07	6.46	14.53	-	-	142	-	106	247,719	1

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION										
	FATAL	NFDL				TOTAL INJURIES	FATAL	NFDL	TOTAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL														
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL INJURIES													FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES						
																						TOTAL NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES
KYANITE-CONTINUED: TOTAL OR AVERAGE, ALL MINES AND PLANTS: VIRGINIA	-	-	1	9	10	18	-	6.47	5.17	11.64	-	114	114	134	329,248	3	2										
TOTAL OR AVERAGE	-	-	1	9	10	18	-	6.47	5.17	11.64	-	114	114	134	329,248	3	2										
OFFICE: VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	15	30,247	-	2										
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	15	30,247	-	2										
GRAND TOTAL OR AVERAGE: VIRGINIA	-	-	1	9	10	18	-	5.89	5.89	10.60	-	104	104	149	339,495	3	4										
TOTAL OR AVERAGE	-	-	1	9	10	18	-	5.89	5.89	10.60	-	104	104	149	339,495	3	4										
LEONARDITE: SURFACE MINES: OPEN PIT: NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,593	1	-										
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,593	1	-										
TOTAL OR AVERAGE, SURFACE: NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,593	1	-										
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,593	1	-										
TOTAL OR AVERAGE, MINING: NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,593	1	-										
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,593	1	-										
PROCESSING PLANTS: NORTH DAKOTA	-	-	-	2	2	2	2	21.82	21.82	21.82	-	611	611	17	31,010	1	1										
WYOMING	-	-	-	2	2	2	2	8.11	8.11	8.11	-	227	227	15	18,331	1	1										
TOTAL OR AVERAGE	-	-	-	2	2	2	2	8.11	8.11	8.11	-	227	227	32	49,341	2	1										
TOTAL OR AVERAGE, ALL MINES AND PLANTS: NORTH DAKOTA	-	-	-	2	2	2	2	21.82	21.82	21.82	-	611	611	18	32,603	2	1										
WYOMING	-	-	-	2	2	2	2	7.85	7.85	7.85	-	220	220	15	18,331	1	1										
TOTAL OR AVERAGE	-	-	-	2	2	2	2	7.85	7.85	7.85	-	220	220	33	50,934	3	1										

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES										INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL INJURIES	FATAL	TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURY RATES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL																		
																		TOTAL	PARTIAL				
LEONARDITE-CONTINUED: OFFICE: NORTH DAKOTA----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: NORTH DAKOTA----- WYOMING----- TOTAL OR AVERAGE----- LITHIUM: SURFACE MINES: OPEN PIT: NORTH CAROLINA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, SURFACE: NORTH CAROLINA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, MINING: NORTH CAROLINA----- TOTAL OR AVERAGE----- PROCESSING PLANTS: NORTH CAROLINA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, ALL MINES AND PLANTS: NORTH CAROLINA----- TOTAL OR AVERAGE----- OFFICE: NORTH CAROLINA----- TOTAL OR AVERAGE-----	- -																						

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION	
	FATAL	NFDL			TOTAL INJURIES	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL														
													TOTAL					PARTIAL
LITHIUM-CONTAINED: GRAND TOTAL OR AVERAGE: NORTH CAROLINA----- TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	.68	.68	1.35	-	4	4	189	295,761	3	5	
MAGNESITE: SURFACE MINES: OPEN PIT: NEVADA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	27,678	1	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	27,678	1	-
TOTAL OR AVERAGE, SURFACE: NEVADA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	27,678	1	-
TOTAL OR AVERAGE, MINING: NEVADA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	27,678	1	-
PROCESSING PLANTS: NEVADA----- PENNSYLVANIA----- TOTAL OR AVERAGE-----	-	-	-	6	6	6	-	8.99	8.99	4.50	13.49	-	487	487	68	133,464	1	-
TOTAL OR AVERAGE, ALL MINES AND PLANTS: NEVADA----- PENNSYLVANIA----- TOTAL OR AVERAGE-----	-	-	-	6	6	6	-	8.99	8.99	4.09	12.28	-	443	443	74	146,590	2	-
TOTAL OR AVERAGE, ALL MINES AND PLANTS: NEVADA----- PENNSYLVANIA----- TOTAL OR AVERAGE-----	-	-	-	6	6	6	-	7.45	7.45	3.72	11.17	-	403	403	82	161,142	2	-
OFFICE: NEVADA----- PENNSYLVANIA----- TOTAL OR AVERAGE-----	-	-	-	6	6	6	-	6.99	6.99	3.44	10.33	-	373	373	88	174,268	4	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	22,237	-	1
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6,110	-	1
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	28,347	-	2

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND MORTUITY FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOC- ATION
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL				
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL													
INDUSTRY-CONTINUED: GRAND TOTAL OR AVERAGE: NEVADA PENNSYLVANIA TOTAL OR AVERAGE	- - - - -	- - - - -	- - - - -	6 - - 6 -	6 - - 6 -	9 - - 9 -	- - - - -	6.54 - - 5.92 -	3.27 - - 2.96 -	9.82 - - 8.88 -	- - - - -	- - - - -	354 - - 321 -	354 - - 321 -	183,379 19,236 202,615 - -	2 2 4 - -	1 1 - - 2	
MICA: SURFACE MINES: OPEN PIT: GEORGIA NEW MEXICO NORTH CAROLINA SOUTH CAROLINA SOUTH DAKOTA TOTAL OR AVERAGE	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	3 1 1 1 1 5	- - - - - -	- - - - - -	11.16 26.62 26.62 - 29.42 1.70	11.16 26.62 26.62 - 29.42 6.79	- - - - - 8.49	- - - - - -	- - - - 941 54	- - - - 941 54	53,768 7,512 45,229 4,496 6,799 117,804	1 1 3 1 2 8	- - - - - -	
TOTAL OR AVERAGE, SURFACE: GEORGIA NEW MEXICO NORTH CAROLINA SOUTH CAROLINA SOUTH DAKOTA TOTAL OR AVERAGE	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	3 1 - - 1 5	- - - - - -	- - - - - -	11.16 26.62 26.62 - 29.42 1.70	11.16 26.62 26.62 - 29.42 6.79	- - - - - 8.49	- - - - - -	- - - - 941 54	- - - - 941 54	53,768 7,512 45,229 4,496 6,799 117,804	1 1 3 1 2 8	- - - - - -	
TOTAL OR AVERAGE, MINING: GEORGIA NEW MEXICO NORTH CAROLINA SOUTH CAROLINA SOUTH DAKOTA TOTAL OR AVERAGE	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	3 1 - - 1 5	- - - - - -	- - - - - -	11.16 26.62 26.62 - 29.42 1.70	11.16 26.62 26.62 - 29.42 6.79	- - - - - 8.49	- - - - - -	- - - - 941 54	- - - - 941 54	53,768 7,512 45,229 4,496 6,799 117,804	1 1 3 1 2 8	- - - - - -	
PROCESSING PLANTS: GEORGIA NEW MEXICO NORTH CAROLINA SOUTH CAROLINA SOUTH DAKOTA TOTAL OR AVERAGE	- - - - - -	- - - - - -	- - - - - -	4 4 13 - -	4 4 13 - -	10 7 25 1 43	- - - - -	6.36 29.53 5.22 - 6.25	9.54 22.15 4.82 15.24 6.25	15.90 51.68 10.05 15.24 12.81	- - - - -	- - - - -	45 162 143 - 121	45 162 143 - 121	125,820 27,090 457,680 7,766 13,127 671,483	- 1 8 2 11	1 2 1 - 4	

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONFUELLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASST- ED WORK LOCA- TION		
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJ- URIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL															
																			TOTAL	PARTIAL
MIDA-CONTINUED: TOTAL OR AVERAGE ALL MINES AND PLANTS: GEORGIA----- NEW MEXICO----- NORTH CAROLINA----- SOUTH CAROLINA----- SOUTH DAKOTA----- TOTAL OR AVERAGE----- OFFICE: GEORGIA----- NEW MEXICO----- NORTH CAROLINA----- SOUTH CAROLINA----- SOUTH DAKOTA----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: GEORGIA----- NEW MEXICO----- NORTH CAROLINA----- SOUTH CAROLINA----- SOUTH DAKOTA----- TOTAL OR AVERAGE----- OIL SAND/SHALE: UNDERGROUND MINES: UNDERGROUND: COLORADO----- ILLINOIS----- TEXAS----- UTAH----- WYOMING----- TOTAL OR AVERAGE----- SURFACE AT UNDERGROUND: COLORADO----- TEXAS----- UTAH----- WYOMING----- TOTAL OR AVERAGE-----	- 																			

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASST- ED WORK LOCA- TION		
	FATAL	NFDL				TOTAL INJURIES	TOTAL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL							
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL															
														TOTAL					PARTIAL	
OIL SAND/SHALE-CONTINUED: TOTAL OR AVERAGE, U.S.:	-	-	-	7	7	7	5	12	-	3.83	3.83	2.74	-	31	31	441	165	365,317	4	4
COLORADO-----	-	-	-	1	1	1	-	1	-	21.02	21.02	6.57	-	441	441	441	4	9,514	1	1
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	19.92	-	-	-	-	12	10,040	1	1
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3,012	1	1
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	4,572	2	2
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	8	8	8	6	14	-	4.07	4.07	3.05	7.13	-	35	35	195	392,855	9	9
SURFACE MINES: OPEN PIT: UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	10,050	1	1
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	10,050	1	1
TOTAL OR AVERAGE, SURFACE: UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	10,050	1	1
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	10,050	1	1
TOTAL OR AVERAGE, MINING: COLORADO-----	-	-	-	7	7	7	5	12	-	3.83	3.83	2.74	-	31	31	441	165	365,317	4	4
ILLINOIS-----	-	-	-	1	1	1	-	1	-	21.02	21.02	6.57	-	441	441	441	4	9,514	1	1
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	19.92	-	-	-	-	12	10,040	1	1
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	13,062	2	2
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	4,572	2	2
TOTAL OR AVERAGE-----	-	-	-	8	8	8	6	14	-	3.97	3.97	2.98	6.95	-	38	38	208	402,905	10	10
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	7	7	7	5	12	-	3.83	3.83	2.74	-	31	31	441	165	365,317	4	4
COLORADO-----	-	-	-	1	1	1	-	1	-	21.02	21.02	6.57	-	441	441	441	4	9,514	1	1
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	19.92	-	-	-	-	12	10,040	1	1
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	13,062	2	2
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	4,572	2	2
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	8	8	8	6	14	-	3.97	3.97	2.98	6.95	-	38	38	208	402,905	10	10
OFFICE: COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	52,955	4	4
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	3,770	1	1
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3,000	1	1
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	162	1	1
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	61,845	7	7

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL INJURIES	NOL	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL														
															TOTAL				
OIL SAND/SHALE-CONTINUED: GRAND TOTAL OR AVERAGE: COLORADO----- ILLINOIS----- TEXAS----- UTAH----- WYOMING----- TOTAL OR AVERAGE-----	-	-	-	7	7	12	5	-	-	3.35	2.39	5.74	-	27	276	418,263	4	8	
	-	-	-	1	1	1	1	-	-	13.13	-	12.13	-	276	-	15,234	1	1	
	-	-	-	-	-	1	-	-	-	-	15.34	15.34	-	-	-	13,040	1	2	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,224	2	2	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,972	2	2	
	-	-	-	8	8	14	6	-	-	3.44	2.58	6.02	-	33	33	464,753	10	15	
PERLITE: UNDERGROUND MINES: UNDERGROUND: NEVADA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,234	1	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,234	1	-	
SURFACE AT UNDERGROUND: NEVADA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,549	-	1	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,549	-	1	
TOTAL OR AVERAGE, UG: NEVADA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,783	1	1	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,783	1	1	
SURFACE MINES: OPEN PIT: ARIZONA----- CALIFORNIA----- IDAHO----- KANSAS----- NEW MEXICO----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,799	1	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,547	1	-	
	-	-	-	5	5	5	-	-	-	34.29	-	34.29	-	391	391	29,162	1	-	
	-	-	-	3	3	7	4	-	-	22.25	29.67	51.92	-	82	82	5,966	1	-	
	-	-	-	8	8	12	4	-	-	23.72	11.86	35.59	-	202	202	26,966	4	-	
	-	-	-	8	8	12	4	-	-	23.72	11.86	35.59	-	202	202	67,440	8	-	
TOTAL OR AVERAGE, SURFACE: ARIZONA----- CALIFORNIA----- IDAHO----- KANSAS----- NEW MEXICO----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,799	1	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,547	1	-	
	-	-	-	5	5	5	-	-	-	34.29	-	34.29	-	391	391	29,162	1	-	
	-	-	-	3	3	7	4	-	-	22.25	29.67	51.92	-	82	82	5,966	1	-	
	-	-	-	8	8	12	4	-	-	23.72	11.86	35.59	-	202	202	26,966	4	-	
	-	-	-	8	8	12	4	-	-	23.72	11.86	35.59	-	202	202	67,440	8	-	

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND HORTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL															
																		TOTAL	PARTIAL
PERLITE-CONTINUED: TOTAL OR AVERAGE, MINING:																			
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3,799	1	-		
CALIFORNIA	-	-	5	5	-	5	-	34.29	34.29	-	-	391	391	13	1,547	1	-		
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	3	29,162	1	-		
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5,966	1	-		
NEVADA	-	-	3	3	-	7	-	22.25	22.25	29.67	51.92	82	82	14	6,783	4	1		
NEW MEXICO	-	-	8	8	-	12	-	21.56	21.56	10.78	32.33	183	183	35	26,966	9	1		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74,223	-	-		
PROCESSING PLANTS:																			
ARIZONA	-	-	1	1	-	2	-	9.04	9.04	9.04	18.09	63	63	10	22,112	1	1		
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	6	10,631	1	-		
COLORADO	-	-	2	2	-	2	-	18.34	18.34	-	-	55	55	2	174	1	-		
FLORIDA	-	-	2	2	-	4	-	23.83	23.83	23.83	47.65	96	96	10	21,869	1	-		
IDAHO	-	-	4	4	-	5	-	99.99	99.99	25.29	99.99	1,796	1,796	9	16,788	1	-		
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	4	7,907	1	-		
NEVADA	-	-	17	17	-	29	-	14.47	15.32	9.36	24.68	266	266	10	16,011	1	1		
NEW MEXICO	1	-	-	-	18	-	-	-	-	-	-	5,107	5,372	123	234,983	1	3		
TEXAS	-	-	26	26	-	42	-	15.62	16.22	9.01	25.22	243	3,846	1	2,536	1	-		
TOTAL OR AVERAGE	1	-	-	-	27	-	-	15.62	16.22	9.01	25.22	243	3,846	175	333,011	8	6		
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																			
ARIZONA	-	-	1	1	-	2	-	7.72	7.72	7.72	15.44	54	54	11	25,911	2	1		
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12,238	1	-		
COLORADO	-	-	2	2	-	2	-	18.34	18.34	18.34	18.34	55	55	2	174	1	-		
FLORIDA	-	-	7	7	-	9	-	30.47	30.47	8.71	39.17	283	283	10	21,809	1	-		
IDAHO	-	-	4	4	-	5	-	57.67	57.67	14.42	72.08	1,024	1,024	22	45,950	2	-		
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	13	13,873	2	-		
NEVADA	-	-	20	20	-	36	-	15.27	16.03	11.45	27.49	247	4,828	13	22,794	2	2		
NEW MEXICO	1	-	-	-	21	-	-	75	15.27	16.03	11.45	247	4,828	137	261,949	5	3		
TEXAS	-	-	34	34	-	54	-	49	16.70	17.19	9.33	232	3,179	1	2,536	1	-		
TOTAL OR AVERAGE	1	-	-	-	35	-	-	49	16.70	17.19	9.33	232	3,179	210	407,234	17	7		
OFFICE:																			
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3,887	-	2		
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2,036	-	1		
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	3	7,538	-	1		
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3,864	-	1		
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1,200	-	2		
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	21	41,179	-	5		
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	1	820	-	1		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	34	60,544	-	13		

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT		TEMPO- RARY	TOTAL NFDL														
		TOTAL	PARTIAL																
PERLITE-CONTINUED: GRAND TOTAL OR AVERAGE: ARIZONA----- CALIFORNIA----- COLORADO----- FLORIDA----- IDAHO----- KANSAS----- NEVADA----- NEW MEXICO----- TEXAS----- TOTAL OR AVERAGE-----	- - - - - - - - - 1 1	- - - - - - - - - - -	1 - 2 7 4 - 20 34	1 - 2 7 4 - 20 34	2 - 2 9 5 - 36 - - 54	1 - - 2 2 1 15 - 19	1 - - - - - - - - 35	6.71 - 13.63 28.09 57.67 13.20 - - - 4.54	6.71 - 13.63 28.09 57.67 9.90 - - - 14.96	6.71 - 13.63 28.09 57.67 9.90 - - - 8.12	13.42 - 13.63 36.12 72.08 23.75 - - - 23.09	- - - - - 3,959 202	47 - 41 261 1,024 4,172 - - 2,767	14 8 2 13 25 7 15 158 2 244	29,798 14,274 174 29,347 49,894 13,873 23,994 303,128 3,356 467,778	2 1 1 2 2 2 5 1 17	3 2 1 1 1 4 8 1 20		
PHOSPHATE: UNDERGROUND MINES: UNDERGROUND: MONTANA----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	10 10	10 10	7 17	7 17	10 10	10 10	11.81 11.81	11.81 11.81	8.27 8.27	20.08 20.08	- -	76 76	94 94	169,326 169,326	1 1	- -	
SURFACE AT UNDERGROUND: MONTANA----- TOTAL OR AVERAGE-----	- - -	- - -	2 2	2 2	4 4	2 2	2 2	2 2	7.39 7.39	7.39 7.39	7.39 7.39	14.79 14.79	- -	137 137	30 30	54,089 54,089	- -	1 1	
TOTAL OR AVERAGE, UG: MONTANA----- TOTAL OR AVERAGE-----	- - -	- - -	12 12	12 12	21 21	9 9	12 12	12 12	10.74 10.74	10.74 10.74	8.06 8.06	18.80 18.80	- -	90 90	124 124	223,425 223,425	1 1	1 1	
SURFACE MINES: OPEN PIT: FLORIDA----- IDAHO----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	- - - - - - -	3 - 1 1 - 5	62 15 12 - 89	65 15 13 1 94	106 27 21 1 156	41 12 8 1 62	65 15 13 1 94	65 15 13 1 94	3.42 3.75 7.21 2.77 3.67	3.42 3.75 7.21 2.77 3.67	2.15 3.00 4.44 2.53 2.42	5.57 6.75 11.65 2.53 6.10	- - - - -	134 90 429 138 146	1,843 401 177 30 41 2,492	3,806,075 800,579 360,508 72,212 78,933 5,118,308	22 7 1 8 1 39	- - - - -	
DREDGE: FLORIDA----- NORTH CAROLINA----- TOTAL OR AVERAGE-----	- - -	- - -	3 3	3 3	6 6	3 3	3 3	3 3	2.78 2.78	2.78 2.78	2.78 2.78	5.55 4.92	- -	32 26	44 168	49,465 216,136 265,501	1 1 2	- - -	

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL INJURIES	TOTAL FATAL AND NFDL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL				
		PERMANENT	TEMPO- RARY		TOTAL NFDL												
			TOTAL	PARTIAL													
PHOSPHATE-CONTINUED:																	
TOTAL OR AVERAGE, SURFACE:																	
FLORIDA	-	3	62	15	65	106	65	41	3.37	2.13	-	133	133	1,887	3,855,540	23	-
IDAHO	-	-	15	15	15	27	15	12	3.75	3.00	-	90	90	401	800,579	7	-
NORTH CAROLINA	-	1	15	16	16	27	16	11	5.55	3.82	-	281	281	301	576,645	2	-
TENNESSEE	-	-	-	-	-	1	-	1	2.77	2.53	-	138	138	30	72,212	8	-
UTAH	-	-	-	-	-	1	-	-	-	2.53	-	-	-	41	78,933	1	-
TOTAL OR AVERAGE	-	5	92	97	97	162	97	65	3.60	2.41	-	140	140	2,660	5,383,909	41	-
TOTAL OR AVERAGE, MINING:																	
FLORIDA	-	3	62	15	65	106	65	41	3.37	2.13	-	133	133	1,887	3,855,540	23	-
IDAHO	-	-	15	15	15	27	15	12	3.75	3.00	-	90	90	401	800,579	7	-
MONTANA	-	1	15	16	16	27	16	11	5.55	3.82	-	281	281	301	576,645	2	-
NORTH CAROLINA	-	1	-	-	-	1	-	1	2.77	2.53	-	138	138	30	72,212	8	-
TENNESSEE	-	-	-	-	-	1	-	-	-	2.53	-	-	-	41	78,933	1	-
UTAH	-	-	-	-	-	1	-	-	-	2.53	-	-	-	41	78,933	1	-
TOTAL OR AVERAGE	-	5	104	109	109	183	109	74	3.89	2.64	-	138	138	2,784	5,607,334	42	1
INDEPENDENT SHOPS:																	
TENNESSEE	-	-	-	-	-	1	-	1	-	22.02	-	-	-	5	9,083	1	-
TOTAL OR AVERAGE	-	-	-	-	-	1	-	1	-	22.02	-	-	-	5	9,083	1	-
PROCESSING PLANTS:																	
FLORIDA	-	1	37	5	38	88	38	50	1.76	2.34	-	58	58	2,117	4,275,385	6	20
IDAHO	-	-	5	5	5	5	5	1	5.44	5.44	-	167	167	99	183,724	1	2
NORTH CAROLINA	-	-	3	3	3	6	3	1	4.55	.91	-	129	129	124	219,569	1	1
TENNESSEE	-	-	3	3	3	3	3	2	8.94	8.94	-	54	54	39	67,111	2	1
UTAH	-	-	1	1	1	3	1	-	1.92	3.84	-	4	4	56	104,260	1	-
TOTAL OR AVERAGE	-	1	51	52	52	105	52	53	2.14	2.19	-	64	64	2,435	4,850,049	10	24
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																	
FLORIDA	-	4	99	20	103	194	103	91	2.53	2.24	-	93	93	4,004	8,130,925	29	20
IDAHO	-	-	20	12	20	32	20	12	4.06	2.44	-	105	105	500	984,303	8	2
MONTANA	-	-	12	9	12	21	12	9	8.06	18.80	-	90	90	124	223,425	1	1
NORTH CAROLINA	-	1	20	21	21	33	21	12	5.27	3.01	-	239	239	425	796,214	2	1
TENNESSEE	-	1	3	4	4	5	4	1	5.39	1.35	-	92	92	74	148,406	11	-
UTAH	-	-	1	1	1	4	1	3	1.09	3.28	-	2	2	97	183,193	2	-
TOTAL OR AVERAGE	-	6	155	161	161	289	161	128	3.08	2.45	-	104	104	5,224	10,466,466	53	25

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES										INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL					TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL				
		TOTAL	PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL															
PHOSPHATE-CONTINUED: OFFICE: FLORIDA IDAHO MONTANA NORTH CAROLINA TENNESSEE UTAH TOTAL OR AVERAGE	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	638 79 6 55 7 20 805	1,294,040 154,575 10,728 104,922 12,747 37,520 1,614,932	- - - - - - - -	26 8 1 2 2 2 41					
GRAND TOTAL OR AVERAGE: FLORIDA IDAHO MONTANA NORTH CAROLINA TENNESSEE UTAH TOTAL OR AVERAGE	- - - - - - - -	4 - - 1 1 - 6	99 20 12 20 3 1 155	103 20 12 21 4 1 161	103 20 12 21 4 1 161	91 12 9 12 1 3 128	194 32 21 33 5 4 289	2.19 3.51 10.25 4.66 4.96 .90 2.67	2.19 3.51 10.25 4.66 4.96 .90 2.67	1.93 2.11 7.69 2.66 1.24 2.71 2.12	4.12 5.62 17.94 7.32 6.21 3.62 4.78	81 90 86 211 84 2 90	81 90 86 211 84 2 90	4,642 579 130 480 81 117 6,029	9,424,965 1,138,878 234,133 901,136 161,153 221,113 12,081,338	29 8 1 2 11 2 53	46 10 2 3 3 2 66				
PIGMENT: SURFACE MINES: OPEN PIT: VIRGINIA TOTAL OR AVERAGE	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	1 1 1 1 1	1,782 1,782 1,782 1,782 1,782	1 1 1 1 1	- - - - -			
TOTAL OR AVERAGE, SURFACE: VIRGINIA TOTAL OR AVERAGE	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	1 1 1	1,782 1,782 1,782	1 1 1	- - -			
TOTAL OR AVERAGE, MINING: VIRGINIA TOTAL OR AVERAGE	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	1 1 1	1,782 1,782 1,782	1 1 1	- - -			
PROCESSING PLANTS: TEXAS VIRGINIA TOTAL OR AVERAGE	- - - -	- - - -	6 6 6 8	6 6 6 6	6 6 6 6	5 5 5 5	11 11 11 11	28.14 28.14 23.45 15.88	28.14 28.14 23.45 15.88	51.59 23.45 - 13.23	- - - 29.11	338 - - 191	338 - - 191	21 20 41	42,646 32,934 75,580	1 - 1 1	- - - -				

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL				
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL														
PICBENT-CONTINUED: TOTAL OR AVERAGE, ALL MINES AND PLANTS: TEXAS----- VIRGINIA----- TOTAL OR AVERAGE----- OFFICE: TEXAS----- VIRGINIA----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: TEXAS----- VIRGINIA----- TOTAL OR AVERAGE----- POTASH: UNDERGROUND MINES: UNDERGROUND: NEW MEXICO----- TOTAL OR AVERAGE----- SURFACE AT UNDERGROUND: NEW MEXICO----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, UG: NEW MEXICO----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, MINING: NEW MEXICO----- TOTAL OR AVERAGE-----	- 																		

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK- LOCA- TION				
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	ALL FATAL AND NFDL			FATAL	NFDL	ALL FATAL AND NFDL									
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL				FATAL	NFDL	ALL INJU- RIES												
															TOTAL					PARTIAL	FATAL	NFDL	ALL FATAL AND NFDL
-	-	1	18	19	19	19	15	34	-	2.65	2.65	2.09	4.74	120	120	2	699	1,434,329	2	5			
POTASH-CONTINUED: PROCESSING PLANTS: NEW MEXICO----- UTAH----- TOTAL OR AVERAGE-----	-	-	-	1	19	20	19	1	2	3	-	2.32	2.32	4.63	6.95	2	2	39	86,340	1	-		
TOTAL OR AVERAGE-----	-	-	-	1	20	20	20	2	17	37	-	2.63	2.63	2.24	4.87	113	113	738	1,520,669	3	5		
TOTAL OR AVERAGE, ALL MINES AND PLANTS: NEW MEXICO----- UTAH----- TOTAL OR AVERAGE-----	1	-	1	64	65	66	66	1	2	130	05	3.57	3.62	3.51	7.13	168	497	1,764	3,645,181	10	10		
OFFICE: NEW MEXICO----- UTAH----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	138	262,488	-	6		
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	30,113	-	1		
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	153	292,606	-	7		
GRAND TOTAL OR AVERAGE: NEW MEXICO----- UTAH----- TOTAL OR AVERAGE-----	1	-	1	64	65	66	66	1	2	130	05	3.33	3.38	3.26	6.65	157	464	1,902	3,907,669	10	16		
TOTAL OR AVERAGE-----	1	-	1	65	66	67	67	1	3	133	05	1.72	1.72	3.43	5.15	2	2	54	116,456	1	1		
PUMICE: SURFACE MINES: OPEN PIT: ARIZONA----- CALIFORNIA----- COLORADO----- IDAHO----- NEVADA----- NEW MEXICO----- OREGON----- UTAH----- TOTAL OR AVERAGE-----	-	-	-	3	10	3	3	3	2	3	05	8.05	8.05	2.97	8.05	140	140	56	74,481	15	-		
TOTAL OR AVERAGE-----	-	-	-	14	14	14	14	14	3	17	-	9.27	9.27	1.99	11.26	123	123	210	301,896	49	-		

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION			
	FATAL	NFDL				TOTAL INJURIES	FATAL	NFDL	TOTAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL							
		PERMANENT	TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL													NFDL	FATAL	ALL FATAL AND NFDL
PUMICE--CONTINUED:																				
TOTAL OR AVERAGE, SURFACE:	-	-	-	3	10	3	-	-	3	3	-	-	140	56	74,491	15	-			
ARIZONA-----	-	-	-	3	10	3	-	-	3	3	-	-	154	76	134,799	13	-			
CALIFORNIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	6	7,161	2	-			
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	11	13,041	3	-			
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4,439	1	-			
NEVADA-----	-	-	-	1	1	1	-	-	1	1	-	-	19	38	30,977	10	-			
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	12	27,299	2	-			
OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9,689	3	-			
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE-----	-	-	-	14	14	14	3	9.27	9.27	1.95	11.26	123	123	210	301,896	49	-			
TOTAL OR AVERAGE, MINING:																				
ARIZONA-----	-	-	-	3	10	3	-	-	3	3	-	-	140	56	74,491	15	-			
CALIFORNIA-----	-	-	-	3	10	3	-	-	3	3	-	-	154	76	134,799	13	-			
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	6	7,161	2	-			
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	11	13,041	3	-			
NEVADA-----	-	-	-	1	1	1	-	-	1	1	-	-	19	38	30,977	10	-			
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	12	27,299	2	-			
OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9,689	3	-			
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE-----	-	-	-	14	14	14	3	9.27	9.27	1.95	11.26	123	123	210	301,896	49	-			
PROCESSING PLANTS:																				
CALIFORNIA-----	-	-	-	8	8	8	-	-	8	8	-	-	136	28	64,145	1	1			
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	51	96,946	1	1			
HAWAII-----	-	-	-	-	-	-	-	-	-	-	-	-	-	2	30,851	1	1			
IDAHO-----	-	-	-	1	1	1	-	-	1	1	-	-	327	26	11,257	3	3			
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	409	9	26,945	2	2			
OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-			
TOTAL OR AVERAGE-----	-	-	-	9	10	10	5	8.68	8.68	4.34	13.02	12	12	127	230,387	9	2			
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																				
ARIZONA-----	-	-	-	3	10	3	-	-	3	3	-	-	140	56	74,491	15	-			
CALIFORNIA-----	-	-	-	10	10	8	-	-	10	8	-	-	132	104	198,944	14	-			
COLORADO-----	-	-	-	8	8	8	-	-	8	8	-	-	127	57	104,109	3	-			
HAWAII-----	-	-	-	-	-	-	-	-	-	-	-	-	-	2	491	1	-			
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	37	43,642	4	-			
NEVADA-----	-	-	-	-	-	-	-	-	-	-	-	-	229	2	4,439	1	-			
NEW MEXICO-----	-	-	-	2	2	2	-	-	2	2	-	-	123	47	42,234	13	-			
OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	23	54,244	4	-			
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9,689	3	-			
TOTAL OR AVERAGE-----	-	-	-	23	24	24	8	9.02	9.02	3.01	12.92	122	122	337	532,283	58	2			

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION						
	FATAL	NONFATAL				TOTAL INJURIES	TOTAL FATAL AND NONFATAL										
		TEMPORARY		TOTAL FATAL AND NONFATAL	TOTAL INJURIES												
		PERMANENT	PARTIAL														
												TOTAL					
SALT: UNDERGROUND MINES: KANSAS LOUISIANA NEW YORK OHIO TEXAS UTAH TOTAL OR AVERAGE	- - - - - - -	- - - - - -	3 14 12 6 4 - 41	3 14 12 8 4 - 41	3 14 12 8 4 - 41	5 25 17 14 7 - 68	2 11 5 5 3 - 27	6.58 4.76 5.41 3.38 8.16 - 4.81	6.58 4.76 5.41 3.38 8.16 - 4.81	4.45 3.70 2.25 2.34 6.12 - 3.17	11.13 8.40 7.55 5.97 14.27 - 7.97	315 95 105 54 49 - 95	35 294 231 227 37 3 828	89,877 595,204 443,663 472,875 98,076 5,228 1,706,123	3 3 2 2 2 1 13	- - - - - - -	
SURFACE AT UNDERGROUND: KANSAS LOUISIANA NEW YORK OHIO TEXAS UTAH TOTAL OR AVERAGE	- - - - - - -	- - - - - -	1 6 12 7 1 - 27	1 6 12 7 1 - 27	1 6 12 7 1 - 27	5 8 15 14 3 - 45	4 2 3 3 2 - 18	1.95 12.31 8.87 7.52 4.02 - 7.61	1.95 12.31 8.87 7.52 4.02 - 7.61	7.78 4.10 2.22 7.52 8.03 - 5.08	9.73 16.41 11.08 15.04 12.05 - 12.68	18 459 169 53 221 - 170	45 57 141 81 34 1 359	102,820 97,501 270,539 186,120 49,802 2,248 709,130	- - - - - - -	2 3 2 2 1 1 11	- - - - - - -
TOTAL OR AVERAGE, UG:	-	-	4	4	4	10	5	4.15	4.15	6.23	10.38	157	61	192,597	3	2	-
KANSAS	-	-	20	20	20	33	13	5.77	5.77	3.75	9.53	146	351	692,705	3	3	2
LOUISIANA	-	-	24	24	24	32	8	6.72	6.72	2.24	8.96	129	372	714,502	2	2	2
NEW YORK	-	-	15	15	15	28	13	4.55	4.55	3.95	8.50	55	308	658,995	2	2	2
OHIO	-	-	5	5	5	18	5	6.76	6.76	6.76	13.52	107	71	147,878	1	1	1
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	4	8,476	1	1	1
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	58	58	58	113	45	5.63	5.63	3.73	9.36	117	1,167	2,415,253	13	11	11
SURFACE MINES: OPEN PIT: NEW MEXICO TOTAL OR AVERAGE	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- 3 3	6,240 5,240	1 1	- -	- -
DREDGE: NEW MEXICO TOTAL OR AVERAGE	- - -	- - -	1 1 -	1 1 -	1 1 -	1 1 -	- - -	8.78 8.78 -	8.78 8.78 -	8.78 8.78 -	8.78 8.78 -	579 579 -	8 8	22,785 22,785	1 1	- -	- -
TOTAL OR AVERAGE, SURFACE	-	-	1	1	1	1	-	6.89	6.89	6.29	6.89	455	11	29,025	2	-	-
TOTAL OR AVERAGE, NEW MEXICO	-	-	1	1	1	1	-	6.89	6.89	6.89	6.89	455	11	29,025	2	-	-

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES	SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION			
	FATAL	NFDL				TOTAL INJURIES		TOTAL FATAL AND NFDL	NFDL	FATAL					ALL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL												
																TOTAL	PARTIAL
SALT-CONTAINED: TOTAL OR AVERAGE, MINING:																	
KANSAS	-	-	-	4	4	4	4	6	10	4	15	5	23	157	81	192,687	2
LOUISIANA	-	-	-	20	20	20	20	13	33	20	3	75	9	146	351	622,705	3
NEW MEXICO	-	-	-	1	1	1	1	6	1	1	6	24	2	455	11	29,025	2
NEW YORK	-	-	-	24	24	24	24	13	32	24	6	72	8	129	372	714,502	2
OHIO	-	-	-	15	15	15	15	5	28	15	4	55	3	107	368	658,965	2
TEXAS	-	-	-	5	5	5	5	-	10	5	6	76	13	-	71	147,878	1
UTAH	-	-	-	69	69	69	69	45	114	69	5	65	9	121	1,198	2,444,278	11
TOTAL OR AVERAGE	-	-	-	69	69	69	69	45	114	69	5	65	9	121	1,198	2,444,278	11
PROCESSING PLANTS:																	
KANSAS	-	-	-	28	28	28	28	24	52	28	10	42	8	153	265	537,217	3
LOUISIANA	-	-	-	4	4	4	4	5	9	4	2	26	3	42	223	353,779	2
NEW MEXICO	-	-	-	1	1	1	1	1	4	1	19	45	14	224	28	55,282	1
NEW YORK	-	-	-	2	2	2	2	1	3	2	15	10	7	395	11	20,566	1
OHIO	-	-	-	5	5	5	5	8	13	5	18	10	4	43	32	66,372	2
TEXAS	-	-	-	3	3	3	3	-	3	3	2	72	3	424	169	367,288	1
UTAH	-	-	-	46	46	46	46	42	90	46	6	65	14	112	773	1,442,877	10
TOTAL OR AVERAGE	-	-	-	46	46	46	46	42	90	46	6	65	14	112	773	1,442,877	10
MINES AND PLANTS:																	
KANSAS	-	-	-	22	22	22	22	30	62	22	8	77	16	154	346	729,914	5
LOUISIANA	-	-	-	24	24	24	24	18	40	24	4	59	8	111	574	1,046,484	3
NEW MEXICO	-	-	-	1	1	1	1	5	5	1	3	49	1	157	37	84,307	3
NEW YORK	-	-	-	26	26	26	26	13	54	26	7	07	11	157	383	735,068	2
OHIO	-	-	-	21	21	21	21	13	34	21	3	56	8	132	349	725,307	2
TEXAS	-	-	-	10	10	10	10	3	23	10	3	88	5	95	290	512,168	2
UTAH	-	-	-	3	3	3	3	-	3	3	11	79	13	254	31	50,909	2
TOTAL OR AVERAGE	-	-	-	117	117	117	117	87	204	117	6	62	4	118	1,571	3,887,155	21
OFFICE:																	
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	99,146	4
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	137,015	3
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	12,040	2
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	85,353	2
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	116,811	2
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	27,610	2
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	9,655	1
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	243	457,632	16

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION											
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJUL- RIES	FATAL	NFDL	ALL FATAL AND NFDL															
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL														NFDL	TOTAL INJURIES									
																					TOTAL	PARTIAL	TOTAL	NFDL	TOTAL FATAL AND NFDL	ALL INJUL- RIES	FATAL	NFDL	ALL FATAL AND NFDL
SALT-CONTAINED: GRAND TOTAL OR AVERAGE: KANSAS----- LOUISIANA----- NEW MEXICO----- NEW YORK----- OHIO----- TEXAS----- UTAH----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	32 43 35 34 23 3 205	30 19 4 9 13 13 -	22 24 1 26 21 10 3 117	22 24 1 26 21 10 3 117	22 24 1 26 21 10 3 117	22 24 1 26 21 10 3 117	22 24 1 26 21 10 3 117	22 24 1 26 21 10 3 117	36 19 4 9 13 13 -	72 72 72 72 72 72 72 72	136 98 137 118 82 57 297 104	295 638 43 428 394 279 37 2,214	805,082 1,103,495 96,347 800,421 892,118 553,776 58,564 4,384,787	4 3 2 2 2 2 1 17	00									

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1988 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE - HOURS	NUMBER OF OPER- ATIONS	ASST- CIATED WORK LOCAT- ION		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJU- RIES						
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL														
																		TOTAL	PARTIAL
SHALE-CONTINUED: TOTAL OR AVERAGE, SURFACE:																			
ALABAMA	-	-	-	-	-	-	-	1	1	11.28	11.28	-	2 251	2 251	17 725	3	-		
CALIFORNIA	-	-	-	-	-	-	-	1	1	51.16	51.16	-	15 556	15 556	3 909	1	-		
COLORADO	-	-	-	-	-	-	-	1	1	99.99	99.99	-	-	-	450	1	-		
FLORIDA	-	-	-	-	-	-	-	1	1	14.70	14.70	-	-	-	13 603	1	-		
GEORGIA	-	-	-	-	-	-	-	1	1	22.75	22.75	-	23	23	20 401	4	-		
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8 700	2	-		
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 974	1	-		
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 089	2	-		
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 135	1	-		
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 882	3	-		
MASSACHUSETTS	-	-	-	-	-	-	-	5	5	41.40	41.40	-	842	842	14 492	1	-		
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26 981	1	-		
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6 547	1	-		
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 336	1	-		
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2 923	2	-		
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 279	3	-		
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	168	1	-		
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72 487	8	-		
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21 182	4	-		
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42 507	8	-		
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9 446	13	-		
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21 317	6	-		
SOUTH CAROLINA	-	-	-	-	-	-	-	3	3	8.16	8.16	-	212	212	10 345	1	-		
TEXAS	-	-	-	-	-	-	-	1	1	3.48	3.48	-	-	-	49 036	3	-		
UTAH	-	-	-	-	-	-	-	1	1	-	-	-	-	-	4 423	1	-		
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57 517	12	-		
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3 356	1	-		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	14	6	3.66	3.66	-	88	88	323	86	-		

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASST- ED WORK- LOC- ATION		
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJUR- IES	FATAL	NFDL	ALL FATAL AND NFDL						
		TOTAL	PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL												NFDL	TOTAL INJURIES
SHALE-CONTINUED:																			
TOTAL OR AVERAGE, MINING:																			
ALABAMA	-	-	-	1	1	1	-	51.16	11.28	11.28	-	2.251	2.251	11	17,725	3	-		
CALIFORNIA	-	-	-	1	1	1	-	99.99	51.16	51.16	-	15.556	15.556	2	3,908	1	-		
COLORADO	-	-	-	1	1	1	-	99.99	99.99	99.99	-	-	-	2	450	1	-		
FLORIDA	-	-	-	1	1	1	-	14.70	14.70	14.70	-	-	-	8	13,603	1	-		
GEORGIA	-	-	-	1	1	1	-	22.75	22.75	22.75	-	23	-	22	28,401	4	-		
INDIANA	-	-	-	1	1	1	-	-	-	-	-	-	-	4	8,700	2	-		
IOWA	-	-	-	1	1	1	-	-	-	-	-	-	-	2	1,974	1	-		
KANSAS	-	-	-	1	1	1	-	-	-	-	-	-	-	8	5,089	2	-		
KENTUCKY	-	-	-	1	1	1	-	-	-	-	-	-	-	4	5,135	3	-		
MARYLAND	-	-	-	3	3	5	-	41.40	41.40	65.00	-	842	842	13	1,862	1	-		
MASSACHUSETTS	-	-	-	1	1	1	-	-	-	-	-	-	-	4	26,981	3	-		
MICHIGAN	-	-	-	1	1	1	-	-	-	-	-	-	-	2	6,547	1	-		
MISSOURI	-	-	-	1	1	1	-	-	-	-	-	-	-	3	1,336	1	-		
MONTANA	-	-	-	1	1	1	-	-	-	-	-	-	-	1	2,073	1	-		
NEBRASKA	-	-	-	1	1	1	-	-	-	-	-	-	-	38	168	1	-		
NEW JERSEY	-	-	-	1	1	1	-	-	-	-	-	-	-	16	72,487	8	-		
NEW MEXICO	-	-	-	1	1	1	-	-	-	-	-	-	-	26	21,182	4	-		
NEW YORK	-	-	-	1	1	1	-	-	-	-	-	-	-	44	42,507	8	-		
NORTH CAROLINA	-	-	-	1	1	1	-	-	-	-	-	-	-	11	9,446	13	-		
OHIO	-	-	-	1	1	1	-	-	-	-	-	-	-	6	21,317	1	-		
OKLAHOMA	-	-	-	1	1	1	-	-	-	-	-	-	-	25	10,345	1	-		
PENNSYLVANIA	-	-	-	1	1	1	-	8.16	4.06	12.24	-	212	212	3	49,036	3	-		
SOUTH CAROLINA	-	-	-	1	1	1	-	-	3.48	3.48	-	-	-	55	4,423	1	-		
TEXAS	-	-	-	1	1	1	-	-	-	-	-	-	-	2	57,517	12	-		
UTAH	-	-	-	1	1	1	-	-	-	-	-	-	-	88	3,356	1	-		
VIRGINIA	-	-	-	1	1	1	-	-	-	-	-	-	-	323	437,310	86	-		
WYOMING	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	-	-	-	7	8	14	-	-	-	-	-	-	-	-	-	-	-		
PROCESSING PLANTS:																			
ALABAMA	-	-	-	5	5	1	-	6.66	5.28	5.28	-	61	61	20	37,858	-	1		
CALIFORNIA	-	-	-	4	4	2	-	3.53	9.32	9.32	-	176	176	60	130,214	-	1		
FLORIDA	-	-	-	4	4	2	-	16.21	7.06	7.06	-	85	85	30	56,665	-	1		
INDIANA	-	-	-	1	1	1	-	9.27	24.32	24.32	-	-	-	21	49,343	-	1		
IOWA	-	-	-	1	1	1	-	9.27	8.11	8.11	-	-	-	4	3,950	-	1		
MASSACHUSETTS	-	-	-	1	1	1	-	9.27	9.27	9.27	-	-	-	11	21,578	-	1		
NEW JERSEY	-	-	-	9	9	13	-	12.52	5.27	5.56	-	-	-	1	2,606	-	2		
NEW YORK	-	-	-	9	9	4	-	12.52	18.06	18.06	-	-	-	64	143,775	-	2		
OHIO	-	-	-	2	2	2	-	54.06	5.56	5.56	-	-	-	24	59,042	-	2		
OKLAHOMA	-	-	-	2	2	2	-	54.06	-	54.06	-	-	-	6	7,389	-	1		
PENNSYLVANIA	-	-	-	1	1	1	-	1.59	-	-	-	-	-	57	123,786	-	1		
TEXAS	-	-	-	1	1	1	-	7.04	21.12	21.12	-	6	6	56	125,605	-	2		
UTAH	-	-	-	1	1	1	-	7.04	2.93	2.93	-	-	-	14	28,414	-	1		
VIRGINIA	-	-	-	1	1	1	-	-	-	-	-	-	-	64	136,661	-	3		
TOTAL OR AVERAGE	-	-	-	23	24	39	-	-	-	-	-	-	-	432	946,936	2	18		

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENT RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL					ALL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL INJURIES																
																				TOTAL	PARTIAL
SHALE-CONTINUED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
TOTAL OR AVERAGE ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ALABAMA	-	-	6	6	6	2	2	7.20	7.79	7.20	-	117	117	31	55,583	3	1				
CALIFORNIA	-	-	1	1	1	8	8	2.60	99.99	10.38	-	15,556	15,556	62	154,123	1	1				
COLORADO	-	-	-	-	-	1	1	5.69	2.85	99.99	-	142	142	2	450	1	1				
FLORIDA	-	1	-	-	-	3	3	17.20	2.85	8.54	-	76	76	38	70,288	4	1				
GEORGIA	-	-	-	-	-	-	-	6.88	17.20	24.98	-	-	-	22	29,401	4	1				
INDIANA	-	-	5	5	5	7	7	-	-	-	-	-	-	25	58,133	2	1				
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	6	5,924	1	1				
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	8	5,089	2	1				
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5,135	1	1				
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,892	1	1				
MASSACHUSETTS	-	-	4	4	4	6	6	22.18	22.18	33.27	-	416	416	18	36,070	3	1				
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	13	26,981	1	1				
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6,547	1	1				
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1,306	1	1				
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2,523	2	1				
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	4	7,885	1	1				
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	1	188	1	1				
NEW YORK	-	-	9	9	9	13	13	8.32	8.32	12.02	-	183	183	102	216,262	8	2				
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	16	21,182	4	2				
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	50	101,549	8	2				
OKLAHOMA	-	-	2	2	2	2	2	23.75	23.75	23.75	-	261	261	58	16,845	14	1				
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	6	10,345	7	1				
SOUTH CAROLINA	-	-	3	3	3	4	4	1.15	3.44	4.58	-	64	64	81	174,641	3	2				
TEXAS	-	1	1	1	1	4	4	18.27	6.09	24.36	-	104	104	17	32,837	1	1				
UTAH	-	-	-	-	-	3	3	3.09	-	3.09	-	-	-	119	194,198	12	3				
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,356	1	1				
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE	-	2	30	32	32	53	21	3.03	4.62	7.66	-	82	82	755	1,384,246	88	18	-			

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL				
		PERMANENT	PARTIAL	TEMPO- RARY	TOTAL NFDL													
SHALE-CONTINUED: OFFICE:																		
ALABAMA-----															2	3,885	-	1
CALIFORNIA-----															4	8,947	-	1
FLORIDA-----															1	2,080	-	1
GEORGIA-----															1	140	-	1
INDIANA-----															2	4,240	-	1
IOWA-----															1	610	-	1
KANSAS-----															1	450	-	1
KENTUCKY-----															2	91	-	2
MARYLAND-----															1	89	-	1
MASSACHUSETTS-----															2	4,282	-	1
MICHIGAN-----															2	2,116	-	2
MISSOURI-----															1	480	-	1
MONTANA-----															1	114	-	1
NEW JERSEY-----															2	2,110	-	1
NEW YORK-----															14	21,080	-	7
NORTH CAROLINA-----															5	2,429	-	3
OHIO-----															13	19,149	-	5
OKLAHOMA-----															5	2,775	-	3
PENNSYLVANIA-----															21	44,280	-	1
SOUTH CAROLINA-----															1	48	-	1
TEXAS-----															13	24,457	-	3
UTAH-----															3	4,932	-	1
VIRGINIA-----															12	11,673	-	8
TOTAL OR AVERAGE-----															110	160,457	1	48

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKING TIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION					
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL									
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL															FATAL	NFDL	ALL FATAL AND NFDL	NFDL	ALL INJU- RIES
SHALE-CONT'NED:																								
GRAND TOTAL OR AVERAGE:																								
ALABAMA	-	-	-	6	-	6	-	2	-	-	6.73	-	-	-	33	59,488	3	2						
CALIFORNIA	-	-	-	1	-	1	-	8	-	-	2.45	-	110	110	66	163,070	1	2						
COLORADO	-	-	-	1	-	1	-	1	-	-	99.99	-	15,556	15,556	2	72,450	1	2						
FLORIDA	-	-	-	5	-	5	-	3	-	-	5.53	-	138	138	39	72,368	4	4						
GEORGIA	-	-	-	5	-	5	-	7	-	-	6.41	-	71	71	23	29,541	2	2						
INDIANA	-	-	-	-	-	-	-	-	-	-	16.03	-	-	-	27	62,373	1	1						
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	6,534	2	2						
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	5,530	3	1						
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	5,226	1	1						
MARYLAND	-	-	-	4	-	4	-	6	-	-	9.91	-	372	372	20	40,352	1	2						
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	29,097	3	3						
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	7,027	1	1						
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1,450	1	1						
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2,923	2	2						
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	9,995	1	1						
NEH JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	188	1	2						
NEH MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	116	237,342	8	9						
NEH YORK	-	-	-	9	-	9	-	13	-	-	7.58	-	167	167	21	23,611	5	3						
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	120,638	14	3						
OHIO	-	-	-	2	-	2	-	2	-	-	20.39	-	224	224	53	19,620	7	3						
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	189,383	1	1						
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	10,333	3	5						
SOUTH CAROLINA	-	-	-	3	-	3	-	4	-	-	3.01	-	56	56	94	199,098	1	2						
TEXAS	-	-	-	1	-	1	-	4	-	-	15.89	-	90	90	20	37,769	1	1						
UTAH	-	-	-	1	-	1	-	3	-	-	5.30	-	-	-	131	205,871	12	11						
VIRGINIA	-	-	-	-	-	-	-	-	-	-	2.91	-	-	-	2	3,356	1	2						
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	885	1,544,703	89	66						
TOTAL OR AVERAGE	-	2	30	32	32	32	21	53	-	4.14	2.72	-	73	73	-	-	-	-						
SODIUM COMPOUNDS:																								
UNDERGROUND MINES:																								
UNDERGROUND:	-	-	-	54	-	54	67	122	-	-	4.52	5.51	10.03	125	1,200	2,433,015	5	-						
WYOMING	-	-	-	54	-	54	67	122	-	-	4.52	5.51	10.03	125	1,200	2,433,015	5	-						
TOTAL OR AVERAGE	-	-	-	1	-	1	1	3	-	-	6.36	9.55	19	19	31	62,850	-	5						
SURFACE AT UNDERGROUND:																								
WYOMING	-	-	-	1	-	1	2	3	-	-	3.18	6.36	9.55	19	31	62,850	-	5						
TOTAL OR AVERAGE	-	-	-	1	-	1	2	3	-	-	3.18	6.36	9.55	19	31	62,850	-	5						
TOTAL OR AVERAGE, UG:																								
WYOMING	-	-	-	55	-	55	69	125	-	-	4.49	5.53	10.02	122	1,231	2,495,865	5	5						
TOTAL OR AVERAGE	-	-	-	55	-	55	69	125	-	-	4.49	5.53	10.02	122	1,231	2,495,865	5	5						

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION			
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJU- RIES	FATAL	NFDL					ALL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL													NOL	TOTAL INJURIES
		TOTAL	PARTIAL																	
SODIUM COMPOUNDS-CONTINUED: SURFACE MINES: OPEN PIT: WYOMING----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3,052	1	-			
TOTAL OR AVERAGE, SURFACE: WYOMING----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3,052	1	-			
TOTAL OR AVERAGE, SURFACE: WYOMING----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3,052	1	-			
TOTAL OR AVERAGE, MINING: WYOMING----- TOTAL OR AVERAGE-----	-	1	55	56	56	4.48	4.48	5.52	10.00	122	122	122	122	1,232	2,498,917	6	5			
TOTAL OR AVERAGE, MINING: WYOMING----- TOTAL OR AVERAGE-----	-	1	55	56	56	4.48	4.48	5.52	10.00	122	122	122	122	1,232	2,498,917	6	5			
PROCESSING PLANTS: WYOMING----- TOTAL OR AVERAGE-----	-	2	47	49	49	3.58	3.58	4.90	8.48	128	128	128	128	1,278	2,736,613	-	5			
TOTAL OR AVERAGE, MINING: WYOMING----- TOTAL OR AVERAGE-----	-	2	47	49	49	3.58	3.58	4.90	8.48	128	128	128	128	1,278	2,736,613	-	5			
TOTAL OR AVERAGE, ALL MINES AND PLANTS: WYOMING----- TOTAL OR AVERAGE-----	-	3	102	105	105	4.01	4.01	5.20	9.21	125	125	125	125	2,510	5,235,530	6	10			
TOTAL OR AVERAGE, ALL MINES AND PLANTS: WYOMING----- TOTAL OR AVERAGE-----	-	3	102	105	105	4.01	4.01	5.20	9.21	125	125	125	125	2,510	5,235,530	6	10			
OFFICE: WYOMING----- TOTAL OR AVERAGE-----	-	-	2	2	2	.59	.59	.59	1.17	7	7	7	7	428	681,060	-	5			
TOTAL OR AVERAGE, OFFICE: WYOMING----- TOTAL OR AVERAGE-----	-	-	2	2	2	.59	.59	.59	1.17	7	7	7	7	428	681,060	-	5			
GRAND TOTAL OR AVERAGE: WYOMING----- TOTAL OR AVERAGE-----	-	3	104	107	107	3.62	3.62	4.66	8.28	112	112	112	112	2,938	5,916,590	6	15			
TOTAL OR AVERAGE, GRAND TOTAL: WYOMING----- TOTAL OR AVERAGE-----	-	3	104	107	107	3.62	3.62	4.66	8.28	112	112	112	112	2,938	5,916,590	6	15			
SULFUR: SURFACE MINES: OPEN PIT: CALIFORNIA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	3	669	1	-			
TOTAL OR AVERAGE, SULFUR: SURFACE MINES: OPEN PIT: CALIFORNIA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	3	669	1	-			

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT	PARTIAL	TEMPO- RARY															
SULFUR-CONTINUED:																			
TOTAL OR AVERAGE, SURFACE:																			
CALIFORNIA-----																			
TOTAL OR AVERAGE-----																			
TOTAL OR AVERAGE, MINING:																			
CALIFORNIA-----																			
TOTAL OR AVERAGE-----																			
TOTAL OR AVERAGE, ALL																			
MINES AND PLANTS:																			
CALIFORNIA-----																			
TOTAL OR AVERAGE-----																			
GRAND TOTAL OR AVERAGE:																			
CALIFORNIA-----																			
TOTAL OR AVERAGE-----																			
TALC-SOAPSTONE:																			
UNDERGROUND MINES:																			
UNDERGROUND-----																			
CALIFORNIA-----																			
GEORGIA-----																			
MONTANA-----																			
NEW YORK-----																			
VERMONT-----																			
TOTAL OR AVERAGE-----																			
SURFACE AT UNDERGROUND:																			
GEORGIA-----																			
MONTANA-----																			
NEW YORK-----																			
TOTAL OR AVERAGE-----																			

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION		
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		TOTAL	PERMANENT	TEMPO- RARY		TOTAL FATAL AND NFDL												TOTAL NFDL	TOTAL INJURIES
				TOTAL	PARTIAL														
TALC-SOAPSTONE-CONTINUED: TOTAL OR AVERAGE, I.C.: CALIFORNIA----- GEORGIA----- MONTANA----- NEW YORK----- VERMONT----- TOTAL OR AVERAGE-----	- - - - - -	- - - - - -	- 2 2 2 4 10	- 2 2 2 4 -	- 2 2 2 4 -	- 2 2 2 4 10	- 2 2 2 4 15	- 14.02 10.41 8.89 31.61 14.50	- 14.02 10.41 8.89 31.61 14.50	- 14.02 10.41 8.89 31.61 14.50	- 14.02 10.41 8.89 31.61 14.50	- 14.02 10.41 8.89 31.61 14.50	- 14.02 10.41 8.89 31.61 14.50	- 862 104 138 95 270	- 862 104 138 95 270	- 2 20 23 14 73	- 700 26,526 38,415 44,981 25,307 137,929	- 1 2 1 1 1 6	- - - - - 3
SURFACE MINES: OPEN PIT: ALABAMA----- ARKANSAS----- CALIFORNIA----- MONTANA----- NEW YORK----- NORTH CAROLINA----- TEXAS----- VERMONT----- VIRGINIA----- TOTAL OR AVERAGE-----	- - - - - - - - - -	- - - - - - - - - -	- - - 4 - 9 2 15	- - - 4 - - - - -	- - - 1 - 1 - - -	- - - 4 10 2 16	- - - 8 15 3 27	- - - 2.69 16.99 60.42 6.24 -	- - - 2.69 16.99 60.42 6.24 -	- - - 2.69 16.99 60.42 6.24 -	- - - 2.69 16.99 60.42 6.24 -	- - - 2.69 16.99 60.42 6.24 -	- - - 2.69 16.99 60.42 6.24 -	- - - 129 - 1,132 332 339	- - - 129 - 1,132 332 339	- 1 1 5 146 18 53 15 4 258	- 780 360 7,345 297,167 36,055 20,671 117,705 25,855 5,620 512,558	- 1 1 2 4 1 3 4 3 1 20	- - - - - - - - - -
TOTAL OR AVERAGE, SURFACE: ALABAMA----- ARKANSAS----- CALIFORNIA----- MONTANA----- NEW YORK----- NORTH CAROLINA----- TEXAS----- VERMONT----- VIRGINIA----- TOTAL OR AVERAGE-----	- - - - - - - - -	- - - - - - - - -	- - - 4 - 9 2 15	- - - 4 - 10 2 16	- - - 4 - 10 2 16	- - - 4 10 2 16	- - - 8 15 3 27	- - - 2.69 16.99 60.42 6.24 -	- - - 2.69 16.99 60.42 6.24 -	- - - 2.69 16.99 60.42 6.24 -	- - - 2.69 16.99 60.42 6.24 -	- - - 2.69 16.99 60.42 6.24 -	- - - 2.69 16.99 60.42 6.24 -	- - - 129 - 1,132 332 339	- - - 129 - 1,132 332 339	- 1 1 5 146 18 53 15 4 258	- 780 360 7,345 297,167 36,055 20,671 117,705 25,855 5,620 512,558	- 1 1 2 4 1 3 4 3 1 20	- - - - - - - - -
TOTAL OR AVERAGE, MINING: ALABAMA----- ARKANSAS----- CALIFORNIA----- GEORGIA----- MONTANA----- NEW YORK----- NORTH CAROLINA----- TEXAS----- VERMONT----- VIRGINIA----- TOTAL OR AVERAGE-----	- - - - - - - - -	- - - - - - - - -	- - 2 6 2 10 4 25	- - 2 6 2 10 4 25	- - 2 6 2 10 4 25	- - 2 6 2 10 4 25	- - 2 11 6 16 42	- - - 5 4 5 16	- - - 3.58 4.94 16.99 15.64 60.42 7.99	- - - 3.58 4.94 16.99 15.64 60.42 7.99	- - - 3.58 4.94 16.99 15.64 60.42 7.99	- - - 3.58 4.94 16.99 15.64 60.42 7.99	- - - 3.58 4.94 16.99 15.64 60.42 7.99	- - - 126 77 - 1,132 47 332 324	- - - 126 77 - 1,132 47 332 324	- 1 7 14 166 41 15 53 29 4 331	- 780 360 8,045 28,535 335,582 81,036 20,671 117,705 51,162 5,620 650,487	- 1 3 2 5 2 3 4 4 1 25	- - - - - - - - - - 3

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF HOURS OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION		
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INDU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT		TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL												NOL	TOTAL INJURIES
		TOTAL	PARTIAL																
TALC-SOAPSTONE-CONTINUED: PROCESSING PLANTS:																			
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	23	52,568	1	1		
ARKANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	9	16,044	1	1		
CALIFORNIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	25	48,715	3	3		
GEORGIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	15	40,277	1	1		
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	177	391,132	4	4		
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	20	39,303	1	1		
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	104	103,361	1	1		
NEBRASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	39	64,595	1	1		
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	48	113,404	3	3		
NORTH CAROLINA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	80	167,205	5	5		
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	26	51,637	1	1		
VERMONT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	566	1,086,241	19	7		
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	119	119				
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	196	196				
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																			
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	24	53,348	2	1		
ARKANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	10	16,404	6	1		
CALIFORNIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	32	54,760	3	1		
GEORGIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	29	68,803	9	1		
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	343	726,714	1	1		
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	20	39,303	3	2		
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	145	184,397	3	3		
NEBRASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	54	85,235	6	3		
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	101	231,109	3	1		
NORTH CAROLINA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	109	218,367	9	1		
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	30	58,257	1	1		
VERMONT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	897	1,736,728	45	10		
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	196	196				
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	196	196				
OFFICE:																			
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	5	13,875	1	1		
ARKANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,827	1	1		
CALIFORNIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	8	13,825	3	3		
GEORGIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12,154	2	7		
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	57	119,505	1	1		
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	5	8,809	1	1		
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	46	68,263	3	3		
NEBRASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	10	18,585	3	3		
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	9	16,661	4	4		
NORTH CAROLINA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	22	39,998	6	6		
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	9	16,773	1	1		
VERMONT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	179	330,265	32	32		
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-						
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-						

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND HOURS FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES										INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	TOTAL AND NFDL	NOL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL												TOTAL INJURIES					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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TOTAL	PARTIAL	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
TALC-SDONSTONE-CONTINUED: GRAND TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERATIONS	ASSO- CIATED WORK LOCATIONS			
	FATAL	NFDL				TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL							
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL													NOL		
																			TOTAL	PARTIAL
VERMICULITE-CONTINUED:																				
TOTAL OR AVERAGE: ALL MINES AND PLANTS:	-	-	-	-	-	-	3	-	3.00	1.50	4.50	-	136	73	133,423	1	1			
MONTANA:	-	-	-	-	-	-	11	-	4.03	4.63	8.86	-	22	129	248,323	7	7			
SOUTH CAROLINA:	-	-	-	-	-	-	-	-	-	-	-	-	-	20	43,627	-	-			
VIRGINIA:	-	-	-	-	-	-	14	-	3.29	3.29	6.56	-	74	222	425,373	-	-			
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
OFFICE:																				
MONTANA:	-	-	-	-	-	-	-	-	-	-	-	-	-	7	11,889	-	-			
SOUTH CAROLINA:	-	-	-	-	-	-	-	-	-	-	-	-	-	17	30,413	-	-			
VIRGINIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	5	11,934	-	-			
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	29	54,236	-	-			
GRAND TOTAL OR AVERAGE:																				
MONTANA:	-	-	-	-	-	-	3	-	2.75	1.38	4.13	-	180	80	145,312	1	2			
SOUTH CAROLINA:	-	-	-	-	-	-	11	-	3.59	4.31	7.69	-	19	146	278,736	7	10			
VIRGINIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	25	55,621	7	14			
TOTAL OR AVERAGE:	-	-	-	-	-	-	14	-	2.92	2.92	5.84	-	66	251	479,669	-	-			
HOLLASCONITE-STAUROLITE:																				
SURFACE MINES:																				
OPEN PIT:																				
ALABAMA:	-	-	-	-	-	-	-	-	-	-	-	-	-	14	15,062	3	-			
CALIFORNIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	9	7,879	2	-			
COLORADO:	-	-	-	-	-	-	-	-	-	-	-	-	-	7	2,063	2	-			
GEORGIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	10	21,526	1	-			
IDAH0:	-	-	-	-	-	-	-	-	-	-	-	-	-	10	335	1	-			
KANSAS:	-	-	-	-	-	-	-	-	-	-	-	-	-	1	91	1	-			
MISSOURI:	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4,009	1	-			
NORTH DAKOTA:	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,576	1	-			
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	17	13,228	2	-			
SOUTH CAROLINA:	-	-	-	-	-	-	-	-	-	-	-	-	-	9	21,170	1	-			
TEXAS:	-	-	-	-	-	-	-	-	-	-	-	-	-	3	936	1	-			
WASHINGTON:	-	-	-	-	-	-	-	-	-	-	-	-	-	57	89,404	17	-			
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND MORTUITY FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES										INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION			
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	TOTAL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL											
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL									ALL FATAL AND NFDL	ALL INJU- RIES									
																TOTAL	PARTIAL					FATAL	NFDL	ALL FATAL AND NFDL
MOLASITE-STALLIT-CONTINUED:																								
TOTAL OR AVERAGE SURFACE:																								
ALABAMA-----																								
CALIFORNIA-----																								
COLORADO-----																								
GEORGIA-----																								
IDAHO-----																								
KANSAS-----																								
MISSOURI-----																								
NORTH DAKOTA-----																								
PENNSYLVANIA-----																								
SOUTH CAROLINA-----																								
TEXAS-----																								
WASHINGTON-----																								
TOTAL OR AVERAGE-----																								
TOTAL OR AVERAGE MINING:																								
ALABAMA-----																								
CALIFORNIA-----																								
COLORADO-----																								
GEORGIA-----																								
IDAHO-----																								
KANSAS-----																								
MISSOURI-----																								
NORTH DAKOTA-----																								
PENNSYLVANIA-----																								
SOUTH CAROLINA-----																								
TEXAS-----																								
WASHINGTON-----																								
TOTAL OR AVERAGE-----																								
PROCESSING PLANTS:																								
CALIFORNIA-----																								
COLORADO-----																								
MISSOURI-----																								
SOUTH CAROLINA-----																								
TEXAS-----																								
TOTAL OR AVERAGE-----																								

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND HOURS FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCATIONS										
	FATAL	NFIL				TOTAL FATAL AND NFIL	TOTAL INJURIES	FATAL	NFIL	ALL FATAL AND NFIL	ALL INJURIES	FATAL	NFIL					ALL FATAL AND NFIL									
		PERMANENT	TEMPO- RARY	TOTAL	TOTAL														FATAL	NFIL	FATAL	NFIL	ALL FATAL AND NFIL	ALL INJURIES	FATAL	NFIL	ALL FATAL AND NFIL
HOUSTON-ST. LAURENCE-CONTINUED:																											
TOTAL OR AVERAGE, ALL																											
MINES AND PLANTS:																											
ALABAMA																											
CALIFORNIA																											
COLORADO																											
GEORGIA																											
IDAHO																											
KANSAS																											
MISSOURI																											
NORTH DAKOTA																											
PENNSYLVANIA																											
SOUTH CAROLINA																											
TEXAS																											
WASHINGTON																											
TOTAL OR AVERAGE																											
OFFICE:																											
ALABAMA																											
CALIFORNIA																											
COLORADO																											
MISSOURI																											
PENNSYLVANIA																											
SOUTH CAROLINA																											
TEXAS																											
TOTAL OR AVERAGE																											
GRAND TOTAL OR AVERAGE:																											
ALABAMA																											
CALIFORNIA																											
COLORADO																											
GEORGIA																											
IDAHO																											
KANSAS																											
MISSOURI																											
NORTH DAKOTA																											
PENNSYLVANIA																											
SOUTH CAROLINA																											
TEXAS																											
WASHINGTON																											
TOTAL OR AVERAGE																											

TABLE 5. - INJURY EXPERIENCE BY DEGREE AND WORK TIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL					ALL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL															
																			TOTAL	PARTIAL
OTHER NONMETAL, NEC																				
UNDERGROUND MINES:																				
ILLINOIS																				
NEW YORK																				
UTAH																				
TOTAL OR AVERAGE																				
SURFACE AT UNDERGROUND:																				
NEW YORK																				
UTAH																				
TOTAL OR AVERAGE																				
TOTAL OR AVERAGE, UG.																				
ILLINOIS																				
NEW YORK																				
UTAH																				
TOTAL OR AVERAGE																				
SURFACE MINES:																				
OPEN PIT:																				
ARIZONA																				
ARKANSAS																				
CALIFORNIA																				
COLORADO																				
CONNECTICUT																				
IDAHO																				
ILLINOIS																				
NEVADA																				
NEW YORK																				
NORTH CAROLINA																				
OKLAHOMA																				
OREGON																				
WASHINGTON																				
WYOMING																				
TOTAL OR AVERAGE																				

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND DURATION FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJUR- RIES	FATAL	NFDL	ALL FATAL AND NFDL					
		TOTAL	PARTIAL	TEMPO- RARY	TOTAL NFDL														
OTHER NONFELS NEC-CONTINUED: TOTAL OR AVERAGE, SURFACE:																			
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	4	4	4	6	1.82	1.82	2.73	4.55	-	23	23	31	439,351	31	-	-	-
OTHER NONFELS NEC-CONTINUED: TOTAL OR AVERAGE, MINING:																			
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	4	4	4	7	1.71	1.71	2.95	4.70	-	22	22	273	439,493	273	-	-	-

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES					
		PERMANENT	TEMPO- RARY	TOTAL NFDL							
											TOTAL
OTHER NONMETALS NEC-CONTINUED: PROCESSING PLANTS:											
ARIZONA	-	-	-	-	-	3	2	72	1	1	1
ARKANSAS	-	-	-	-	-	1	1	29	1	1	1
CALIFORNIA	-	-	-	-	-	2	1	44	4	4	4
COLORADO	-	-	-	-	-	2	1	2	2	2	2
CONNECTICUT	-	-	-	-	-	2	1	1	1	1	1
IDAHO	-	-	-	-	-	2	1	1	1	1	1
ILLINOIS	-	-	-	-	-	2	1	1	1	1	1
NEVADA	-	-	-	-	-	2	1	1	1	1	1
NEW JERSEY	-	-	-	-	-	2	1	1	1	1	1
NEW YORK	-	-	-	-	-	2	1	1	1	1	1
NORTH CAROLINA	-	-	-	-	-	2	1	1	1	1	1
OREGON	-	-	-	-	-	2	1	1	1	1	1
PENNSYLVANIA	-	-	-	-	-	2	1	1	1	1	1
SOUTH DAKOTA	-	-	-	-	-	2	1	1	1	1	1
TEXAS	-	-	-	-	-	2	1	1	1	1	1
WASHINGTON	-	-	-	-	-	2	1	1	1	1	1
TOTAL OR AVERAGE	-	-	-	-	-	2	2	114	116	116	167
TOTAL OR AVERAGE, ALL MINES AND PLANTS:											
ARIZONA	-	-	-	-	-	3	2	72	1	1	1
ARKANSAS	-	-	-	-	-	1	1	29	1	1	1
CALIFORNIA	-	-	-	-	-	2	1	44	4	4	4
COLORADO	-	-	-	-	-	2	1	2	2	2	2
CONNECTICUT	-	-	-	-	-	2	1	1	1	1	1
IDAHO	-	-	-	-	-	2	1	1	1	1	1
ILLINOIS	-	-	-	-	-	2	1	1	1	1	1
NEVADA	-	-	-	-	-	2	1	1	1	1	1
NEW JERSEY	-	-	-	-	-	2	1	1	1	1	1
NEW YORK	-	-	-	-	-	2	1	1	1	1	1
NORTH CAROLINA	-	-	-	-	-	2	1	1	1	1	1
OREGON	-	-	-	-	-	2	1	1	1	1	1
PENNSYLVANIA	-	-	-	-	-	2	1	1	1	1	1
SOUTH DAKOTA	-	-	-	-	-	2	1	1	1	1	1
TEXAS	-	-	-	-	-	2	1	1	1	1	1
UTAH	-	-	-	-	-	2	1	1	1	1	1
WASHINGTON	-	-	-	-	-	2	1	1	1	1	1
WORKING	-	-	-	-	-	2	2	118	120	120	178
TOTAL OR AVERAGE	-	-	-	-	-	2	2	118	120	120	178

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT		TEMPO- RARY	TOTAL NFDL									TOTAL FATAL AND NFDL				
		TOTAL	PARTIAL															
OTHER MONTHS NOT-CONTINUED: OFFICE:																		
ARIZONA															4 562		3	236
ARKANSAS															15 990		11	1
CALIFORNIA															161 120		81	1
COLORADO															10 944		2	2
CONNECTICUT															4 624		5	1
IDAHO															31 639		16	1
ILLINOIS															34 021		17	1
NEVADA															2 520		5	1
NEW JERSEY															122 897		65	1
NEW YORK															8 420		4	1
NORTH CAROLINA															1 475		1	1
OKLAHOMA															15 910		9	1
OREGON															19 249		8	1
PENNSYLVANIA															763		1	1
SOUTH DAKOTA															15 491		8	1
TEXAS															51 762		23	1
WASHINGTON															503 481		261	38
TOTAL AVERAGE																		
GRAND TOTAL OR AVERAGE:																		
ARIZONA															75 560		64	3
ARKANSAS															123 295		70	2
CALIFORNIA															1 379 559		689	8
COLORADO															10 031		12	1
CONNECTICUT															53 298		24	2
IDAHO															74 081		35	2
ILLINOIS															166 563		80	1
NEVADA															521 945		224	2
NEW JERSEY															104 100		55	1
NEW YORK															573 374		286	8
NORTH CAROLINA															75 272		34	1
OKLAHOMA															5 349		3	2
OREGON															142 485		68	1
PENNSYLVANIA															78 398		35	1
SOUTH DAKOTA															4 371		3	1
TEXAS															64 949		33	1
UTAH															215 903		4	1
WASHINGTON															4 152		104	3
WYOMING															3 569 373		2	1
TOTAL OR AVERAGE																	1 829	58

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION, AND STATE	NUMBER OF INJURIES						INCIDENCE RATES			SEVERITY MEASURES		AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCAL- TION										
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL											
		PERMANENT	TEMPORARY																						
		TOTAL	PARTIAL	TOTAL	NFDL	TOTAL																			
ALL NONMETALLIC MINERALS: UNDERGROUND:																									
CALIFORNIA	-	-	-	1	7	1	1	-	9.64	4.17	2.38	-	29	33	20,745										
COLORADO	-	-	-	1	7	1	1	-	4.17	8.22	8.22	-	33	699	336,118										
GEORGIA	-	-	-	1	8	1	1	-	8.22	16.28	6.10	-	161	161	24,328										
ILLINOIS	-	-	-	1	8	1	1	-	16.28	16.28	6.10	-	161	161	98,281										
INDIANA	-	-	-	1	8	1	1	-	-	-	3.69	-	197	197	162,643										
IOWA	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	97,066										
KANSAS	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	143,870										
LOUISIANA	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	143,870										
MICHIGAN	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	555,204										
NEVADA	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	46,494										
NEW HAMPSHIRE	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	207,918										
NEW JERSEY	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	4,464										
NEW YORK	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	1,941,289										
OHIO	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	637,210										
PENNSYLVANIA	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	484,881										
TEXAS	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	5,273										
UTAH	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	107,076										
VERMONT	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	85,150										
VIRGINIA	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	25,307										
WYOMING	-	-	-	1	8	1	1	-	-	-	4.12	-	197	197	120,098										
TOTAL OR AVERAGE	2	-	2	181	183	185	363	05	4.83	4.88	4.70	9.58	317	454	7,578,462										
SURFACE AT UNDERGROUND:																									
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,364										
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29,498										
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,198										
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,310										
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88,441										
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57,578										
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106,531										
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	97,501										
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64,816										
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,498										
NEW HAMPSHIRE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	269,563										
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	294,323										
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	186,120										
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,630										
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50,842										
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47,208										
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66,750										
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,394,173										
TOTAL OR AVERAGE	-	-	-	37	37	37	70	-	-	-	-	-	-	-	56										

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCATIONS											
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NFDL	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL															
		PERMANENT	TEMPO- RARY	TOTAL NFDL															FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL					
																									TOTAL	PARTIAL	FATAL	NFDL	ALL FATAL AND NFDL
ALL NONMETALLIC-CONTINUED: TOTAL OR AVERAGE, UG:																													
CALIFORNIA	-	-	-	1	1	1	1	7.97	2.74	-	7.97	-	24	24	24	25,109	6	2											
COLORADO	-	-	-	12	3.83	14	12	14.02	14.02	-	6.56	-	31	31	31	365,617	5	1											
GEORGIA	-	-	-	2	2	2	2	14.34	14.34	-	14.02	-	862	862	862	28,526	2	1											
ILLINOIS	-	-	-	12	3.83	14	12	14.34	14.34	-	21.51	-	142	142	142	111,591	3	1											
INDIANA	-	-	-	3	2	2	3	-	-	-	2.39	-	-	-	-	251,084	1	1											
IOWA	-	-	-	2	2	2	2	-	-	-	2.39	-	-	-	-	54,644	1	1											
KANSAS	-	-	-	11	3.19	4	11	3.19	3.19	-	2.59	-	-	-	-	250,401	1	1											
LOUISIANA	-	-	-	33	5.77	5	33	5.77	5.77	-	8.79	-	146	146	146	562,765	1	1											
MICHIGAN	-	-	-	2	4.31	4	2	4.31	4.31	-	8.61	-	89	89	89	46,454	3	1											
MONTANA	-	-	-	24	10.27	10	24	10.27	10.27	-	17.60	-	-	-	-	272,734	1	1											
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14,952	1	1											
NEW MEXICO	-	-	-	96	4.16	47	96	4.16	4.16	-	8.68	-	199	199	199	2,210,852	1	1											
NEW YORK	1	-	-	44	5.37	26	44	5.37	5.37	-	9.45	-	106	106	106	891,533	1	1											
OHIO	-	-	-	31	5.37	18	31	5.37	5.37	-	9.24	-	67	67	67	671,001	1	1											
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,903	1	1											
TEXAS	-	-	-	11	6.33	5	11	6.33	6.33	-	13.93	-	100	100	100	157,918	1	1											
UTAH	-	-	-	12	7.56	7	12	7.56	7.56	-	18.33	-	30	30	30	132,359	1	1											
VERMONT	-	-	-	5	31.61	4	5	31.61	31.61	-	39.51	-	95	95	95	25,307	1	1											
VIRGINIA	1	-	-	7	5.00	4	7	5.00	5.00	-	11.66	-	1,014	1,014	1,014	120,098	1	1											
WYOMING	-	-	-	125	4.48	56	125	4.48	4.48	-	10.00	-	122	122	122	2,500,837	1	1											
TOTAL OR AVERAGE	2	2	218	433	4.90	222	433	4.95	4.70	267	9.65	138	405	4.417	77	77	56												

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES		AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION															
	FATAL	NFDL				TOTAL INJURIES	NFDL	TOTAL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL	ALL FATAL AND NFDL																			
		PERMANENT	TEMPORARY	TOTAL	PARTIAL																										
		TOTAL																													
ALL NONMETALLIC-CONTINUED: SURFACE MINES: OPEN PIT:																															
ALABAMA	-	-	3	3	-	5	2	3	-	3	5.96	17	109	167,686	24	-															
ARIZONA	-	-	3	3	-	3	2	3	-	3	2.83	49	151	212,273	26	-															
ARKANSAS	1	-	2	2	-	5	2	3	1	2	2.83	8,062	107	150,168	28	-															
CALIFORNIA	-	-	20	20	-	28	8	20	7	20	7.26	71	441	770,865	43	-															
COLORADO	-	-	1	1	-	1	1	1	-	1	4.02	141	76	49,788	27	-															
CONNECTICUT	-	-	1	1	-	1	1	1	-	1	5.69	114	18	35,170	5	-															
FLORIDA	-	3	65	68	-	111	43	68	-	68	3.42	133	1,926	3,972,968	26	-															
GEORGIA	-	-	29	29	-	31	15	29	-	29	3.27	96	917	1,895,335	44	-															
IDaho	-	-	21	21	-	36	15	21	-	21	4.81	133	442	873,373	15	-															
ILLINOIS	-	-	1	1	-	1	1	1	-	1	6.25	6	32	49,206	8	-															
INDIANA	-	-	1	1	-	1	1	1	-	1	6.25	6	17	31,966	5	-															
IOWA	-	-	1	1	-	1	1	1	-	1	1.19	21	75	167,638	7	-															
KANSAS	-	-	2	2	-	3	1	2	-	2	1.19	3	44	60,481	12	-															
KENTUCKY	-	-	-	-	-	-	-	-	-	-	2.82	3	87	141,932	11	-															
LOUISIANA	-	-	-	-	-	-	-	-	-	-	1.41	3	20	17,652	6	-															
MAINE	-	-	-	-	-	-	-	-	-	-	4.23	-	2	3,840	1	-															
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	2	8	3	-															
MASSACHUSETTS	-	-	3	3	-	5	2	3	-	3	58.09	611	8	4,940	3	-															
MICHIGAN	-	-	2	2	-	2	2	2	-	2	2.14	22	12	19,963	3	-															
MINNESOTA	-	-	1	1	-	2	1	1	-	1	2.14	45	103	187,158	6	-															
MISSISSIPPI	-	-	1	1	-	2	1	1	-	1	1.13	26	3	3,060	1	-															
MISSOURI	-	-	4	4	-	8	4	4	-	4	2.41	115	170	176,837	14	-															
MONTANA	-	-	7	7	-	9	2	7	-	7	5.02	262	133	331,560	3	-															
NEBRASKA	-	-	-	-	-	-	-	-	-	-	1.43	6.45	2	278,872	18	-															
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	2	4,547	1	-															
NEW HAMPSHIRE	-	-	-	-	-	-	-	-	-	-	-	-	3	5,279	1	-															
NEW JERSEY	-	-	4	4	-	10	6	4	-	6	14.51	34	72	82,685	19	-															
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	1.40	6	75	143,262	11	-															
NEW YORK	-	-	19	19	-	32	12	19	-	19	3.13	217	436	767,365	35	-															
NORTH CAROLINA	-	-	20	20	-	20	12	20	-	20	5.21	6	93	166,228	18	-															
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	2.41	145	207	295,964	37	-															
OHIO	-	-	2	2	-	2	1	2	-	2	4.05	4	21	41,471	7	-															
OKLAHOMA	-	-	6	6	-	11	5	6	-	6	3.74	4	33	53,408	29	-															
OREGON	-	-	1	1	-	1	1	1	-	1	3.88	133	164	257,404	7	-															
PENNSYLVANIA	-	-	1	1	-	1	1	1	-	1	8.66	277	143	23,099	25	-															
SOUTH CAROLINA	-	-	1	1	-	1	1	1	-	1	2.15	154	252	278,623	44	-															
SOUTH DAKOTA	-	-	1	1	-	1	1	1	-	1	6.99	408	96	143,953	13	-															
TENNESSEE	-	-	2	2	-	2	1	2	-	2	4.77	110	26	41,900	4	-															
TEXAS	-	-	18	18	-	26	10	18	-	18	2.11	12	128	169,257	24	-															
UTAH	-	-	1	1	-	1	1	1	-	1	-	-	47	49,981	7	-															
VERMONT	-	-	1	1	-	1	1	1	-	1	-	-	3	5,936	1	-															
VIRGINIA	-	-	2	2	-	4	2	2	-	2	3.79	31	138	263,991	11	-															
WASHINGTON	-	-	5	5	-	9	4	5	-	5	3.79	31	138	263,991	11	-															
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
TOTAL OR AVERAGE	1	7	230	237	7	393	155	238	92	114	206	7.015	13,015,545	573	-	-															

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1988 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL					TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES					
		TOTAL	PERMANENT	TEMPO- RARY	TOTAL NFDL													
						PARTIAL												
ALL NONMETALLIC-CONTINUED: DEGREE: FLORIDA----- NEW MEXICO----- NORTH CAROLINA----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	44	49,465	1	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	8	22,785	1	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	124	216,136	1	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	175	288,386	3	-	

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION				
	FATAL	NFDL				TOTAL INJURIES	TOTAL FATAL AND NFDL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL								
		PERMANENT	TEMPO- RARY																		
			TOTAL	TOTAL	PARTIAL																
ALL NONMETALLIC-CONTINUED:																					
TOTAL OR AVERAGE, SURFACE:																					
ALABAMA														109	167,686	24					
ARIZONA														151	212,273	24					
ARKANSAS														107	150,168	23					
CALIFORNIA														441	770,866	43					
COLORADO														76	49,768	25					
CONNECTICUT														18	35,170	5					
FLORIDA														1,970	4,022,453	27					
GEORGIA														917	1,895,335	44					
IDaho														442	873,373	13					
ILLINOIS														32	49,206	9					
INDIANA														17	31,986	7					
IOWA														75	167,638	12					
KANSAS														44	60,481	11					
KENTUCKY														87	141,932	11					
LOUISIANA														20	17,652	3					
MAINE														2	3,840	1					
MARYLAND														8	4,940	3					
MASSACHUSETTS														12	19,953	3					
MICHIGAN														80	167,158	6					
MINNESOTA														3	3,060	1					
MISSISSIPPI														105	176,837	16					
MISSOURI														58	77,053	14					
MONTANA														170	331,350	7					
NEBRASKA														4	2,932	3					
NEVADA														133	278,872	18					
NEW HAMPSHIRE														2	4,547	1					
NEW JERSEY														3	5,279	1					
NEW MEXICO														80	105,470	20					
NEW YORK														75	143,262	11					
NORTH CAROLINA														560	983,332	36					
NORTH DAKOTA														6	3,263	2					
OHIO														93	166,228	18					
OKLAHOMA														207	295,964	37					
OREGON														21	41,471	7					
PENNSYLVANIA														33	53,408	17					
SOUTH CAROLINA														164	257,404	29					
SOUTH DAKOTA														34	23,009	7					
TENNESSEE														143	278,623	25					
TEXAS														252	515,081	44					
UTAH														96	143,953	13					
VERMONT														26	41,900	4					
VIRGINIA														110	193,257	24					
WASHINGTON														47	49,981	7					
WEST VIRGINIA														3	5,936	1					
WORKING														138	263,991	11					
TOTAL OR AVERAGE	1	7	234	241	242	400	158	90	203	7,192	13,363,931	576									

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION, AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES		AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION														
	NFDL			TOTAL		TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJ- URIES	FATAL	NFDL																	
	FATAL	TEMPO- RARY		TOTAL	NFDL																									
		PERMANENT	PARTIAL																											
ALL NONMETALLIC-CONTINUED:																														
TOTAL OR AVERAGE, MINING:																														
ALABAMA	-	3	-	3	-	3	1	2	3	2	5	-	17	109	167,686	24														
ALASKA	-	3	-	3	-	3	1	2	3	2	5	-	49	151	212,273	26														
ARIZONA	-	3	-	3	-	3	1	2	3	2	5	-	71	107	150,158	26														
ARKANSAS	-	21	-	21	-	21	1	5	6	5	11	-	76	465	706,975	49														
CALIFORNIA	-	8	-	8	-	8	1	5	6	5	11	-	44	247	415,365	32														
COLORADO	-	65	-	65	-	65	1	43	44	44	87	-	114	18	35,170	5														
CONNECTICUT	-	31	-	31	-	31	1	15	16	15	31	-	131	1,970	4,022,453	1														
FLORIDA	-	21	-	21	-	21	1	15	16	15	31	-	74	931	1,923,861	46														
GEORGIA	-	31	-	31	-	31	1	15	16	15	31	-	96	442	873,373	15														
IDAHO	-	8	-	8	-	8	1	5	6	5	11	-	98	83	160,797	13														
ILLINOIS	-	1	-	1	-	1	1	1	2	1	2	-	11	122	283,070	1														
INDIANA	-	1	-	1	-	1	1	1	2	1	2	-	11	146	322,342	8														
IOWA	-	4	-	4	-	4	1	3	4	3	7	-	97	151	310,862	17														
KANSAS	-	2	-	2	-	2	1	1	2	1	2	-	3	87	141,522	3														
KENTUCKY	-	20	-	20	-	20	1	13	14	13	27	-	142	371	710,357	9														
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,840	3														
MAINE	-	-	-	-	-	-	-	-	-	-	-	-	-	8	4,940	3														
MARYLAND	-	3	-	3	-	3	1	2	3	2	5	-	511	12	19,963	1														
MASSACHUSETTS	-	3	-	3	-	3	1	2	3	2	5	-	20	100	233,612	3														
MICHIGAN	-	3	-	3	-	3	1	2	3	2	5	-	45	3	3,060	8														
MINNESOTA	-	1	-	1	-	1	1	1	2	1	2	-	45	105	176,837	16														
MISSISSIPPI	-	18	-	18	-	18	1	14	15	13	27	-	103	322	77,053	14														
MISSOURI	-	7	-	7	-	7	1	6	7	6	13	-	248	4	604,324	11														
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	144	2,932	3														
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	2	253,834	3														
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4,547	1														
NEW HAMPSHIRE	-	-	-	-	-	-	-	-	-	-	-	-	-	2	5,279	1														
NEW JERSEY	-	51	-	51	-	51	1	35	36	35	71	-	197	1,145	2,316,322	28														
NEW MEXICO	-	26	-	26	-	26	1	19	20	19	38	-	92	560	1,074,785	16														
NEW YORK	-	22	-	22	-	22	1	15	16	15	31	-	176	560	983,532	36														
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	6	3,263	2														
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	407	837,229	21														
OHIO	-	20	-	20	-	20	1	13	14	13	27	-	55	207	265,964	37														
OKLAHOMA	-	6	-	6	-	6	1	5	6	5	11	-	145	31	41,471	18														
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	30	62,311	7														
PENNSYLVANIA	-	1	-	1	-	1	1	1	2	1	2	-	3	39	82,311	1														
SOUTH CAROLINA	-	5	-	5	-	5	1	4	5	4	9	-	133	164	257,404	29														
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	34	23,098	7														
TENNESSEE	-	1	-	1	-	1	1	1	2	1	2	-	277	143	278,623	25														
TEXAS	-	2	-	2	-	2	1	1	2	1	2	-	154	335	672,999	47														
UTAH	-	3	-	3	-	3	1	2	3	2	5	-	336	178	276,312	23														
Vermont	-	5	-	5	-	5	1	4	5	4	9	-	14	40	67,207	5														
VIRGINIA	-	4	-	4	-	4	1	3	4	3	7	-	104	181	398,365	26														
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	49	49,981	7														
WEST VIRGINIA	-	1	-	1	-	1	1	1	2	1	2	-	401	3	5,936	1														
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2,764,828	18														
TOTAL OR AVERAGE	3	452	9	464	61	833	03	4 14	4 17	3 31	7 48	162	113	11,609	22,276,565	753														

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION, AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION															
	FATAL			NFDL			FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL																			
	TOTAL	PARTIAL	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	NOL																										
ALL NONMETALLIC-CONTINUED: INDEPENDENT SHOPS: TENNESSEE	-	-	-	-	-	-	-	-	-	22 02	-	-	-	5	9,083	1	-															
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	22 02	-	-	-	5	9,083	1	-															
PROCESSING PLANTS:																																
ALABAMA	-	-	16	16	16	3	16	3	19	23	16	3	19	333	704,036	5	10															
ARIZONA	-	-	3	3	3	1	3	1	4	4	3	1	4	40	76,810	4	4															
ARKANSAS	-	-	53	53	53	6	53	6	59	59	53	6	59	117	239,727	3	8															
CALIFORNIA	-	-	8	8	8	8	8	8	16	16	8	8	16	1408	2,783,170	15	12															
COLORADO	-	-	43	43	43	4	43	4	47	47	43	4	47	72	108,767	5	2															
CONNECTICUT	-	-	135	135	135	141	135	141	276	276	135	141	276	34	77,580	3	2															
FLORIDA	-	-	2	2	2	2	2	2	3	3	2	2	3	2,384	4,816,516	8	22															
GEORGIA	-	-	2	2	2	2	2	2	3	3	2	2	3	4,161	9,202,251	18	21															
HAWAII	-	-	-	-	-	-	-	-	-	-	-	-	-	2	491	1	-															
IDAHO	-	-	30	30	30	3	30	3	33	33	30	3	33	154	273,188	1	2															
ILLINOIS	-	-	4	4	4	4	4	4	8	8	4	4	8	265	594,780	5	2															
INDIANA	-	-	3	3	3	3	3	3	6	6	3	3	6	40	92,216	2	4															
IOWA	-	-	27	27	27	3	27	3	30	30	27	3	30	49	117,800	2	5															
KANSAS	-	-	27	27	27	3	27	3	30	30	27	3	30	302	601,236	2	10															
KENTUCKY	-	-	15	15	15	1	15	1	16	16	15	1	16	58	121,885	1	2															
LOUISIANA	-	-	15	15	15	1	15	1	16	16	15	1	16	370	619,865	2	2															
MAINE	-	-	1	1	1	1	1	1	2	2	1	1	2	17	25,178	1	2															
MASSACHUSETTS	-	-	11	11	11	1	11	1	12	12	11	1	12	34	80,453	2	2															
MICHIGAN	-	-	1	1	1	1	1	1	2	2	1	1	2	378	813,307	4	2															
MISSISSIPPI	-	-	41	41	41	2	41	2	43	43	41	2	43	203	498,582	1	7															
MISSOURI	-	-	40	40	40	3	40	3	43	43	40	3	43	232	493,028	4	4															
MONTANA	-	-	23	23	23	2	23	2	25	25	23	2	25	20	35,303	1	2															
NEBRASKA	-	-	18	18	18	1	18	1	19	19	18	1	19	291	800,414	1	8															
NEVADA	-	-	41	41	41	2	41	2	43	43	41	2	43	876	1,768,165	9	7															
NEW JERSEY	-	-	23	23	23	3	23	3	26	26	23	3	26	385	567,435	1	1															
NEW MEXICO	-	-	40	40	40	3	40	3	43	43	40	3	43	736	1,515,205	11	11															
NEW YORK	-	-	23	23	23	2	23	2	25	25	23	2	25	3	3,010	1	1															
NORTH CAROLINA	-	-	8	8	8	1	8	1	9	9	8	1	9	58	219,131	1	7															
NORTH DAKOTA	-	-	10	10	10	1	10	1	11	11	10	1	11	83	169,351	1	7															
OHIO	-	-	10	10	10	1	10	1	11	11	10	1	11	63	144,423	1	7															
OKLAHOMA	-	-	10	10	10	1	10	1	11	11	10	1	11	101	216,473	2	2															
OREGON	-	-	10	10	10	1	10	1	11	11	10	1	11	352	724,621	4	14															
PENNSYLVANIA	-	-	31	31	31	3	31	3	34	34	31	3	34	50	171,434	2	14															
SOUTH CAROLINA	-	-	22	22	22	2	22	2	24	24	22	2	24	367	726,163	1	7															
SOUTH DAKOTA	-	-	31	31	31	3	31	3	34	34	31	3	34	1,454	3,454,853	17	18															
TENNESSEE	-	-	32	32	32	3	32	3	35	35	32	3	35	130	265,667	1	9															
TEXAS	-	-	11	11	11	1	11	1	12	12	11	1	12	292	610,332	1	12															
UTAH	-	-	18	18	18	2	18	2	20	20	18	2	20	66	128,507	2	2															
VERMONT	-	-	3	3	3	3	3	3	6	6	3	3	6	1	17,016	1	7															
VIRGINIA	-	-	75	75	75	82	75	82	157	157	75	82	157	1,586	3,353,475	12	12															
WASHINGTON	-	-	19	19	19	19	19	19	38	38	19	19	38	17	35,732,534	207	244															
WISCONSIN	-	-	786	786	786	806	786	806	1,592	1,592	786	806	1,592	17,236	35,732,534	207	244															
WYOMING	-	-	19	19	19	19	19	19	38	38	19	19	38	17	35,732,534	207	244															
TOTAL OR AVERAGE	-	-	786	786	786	806	786	806	1,592	1,592	786	806	1,592	17,236	35,732,534	207	244															

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES					INCIDENT RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION															
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL																			
		PERMANENT	TEMPORARY																												
		TOTAL	PARTIAL	TOTAL	TOTAL NFDL																										
ALL NONMETALLIC-CONTINUED: TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
ALABAMA	-	-	-	-	-	30	-	-	30	-	-	30	442	871,722	23	10															
ALASKA	-	-	-	-	-	9	-	-	9	-	-	9	191	289,083	4	4															
ARIZONA	-	-	-	-	-	140	-	-	140	-	-	140	191	289,083	6	6															
ARKANSAS	-	-	-	-	-	55	-	-	55	-	-	55	1,873	3,579,145	14	14															
CALIFORNIA	-	-	-	-	-	22	-	-	22	-	-	22	319	524,152	7	7															
COLORADO	-	-	-	-	-	208	-	-	208	-	-	208	32	112,769	2	2															
CONNECTICUT	-	-	-	-	-	495	-	-	495	-	-	495	4,354	8,639,265	22	22															
FLORIDA	-	-	-	-	-	233	-	-	233	-	-	233	5,092	11,126,112	22	22															
GEORGIA	-	-	-	-	-	113	-	-	113	-	-	113	2	1,146,561	1	1															
HAWAII	-	-	-	-	-	30	-	-	30	-	-	30	536	1,755,577	2	2															
IDaho	-	-	-	-	-	30	-	-	30	-	-	30	352	375,285	7	7															
ILLINOIS	-	-	-	-	-	31	-	-	31	-	-	31	133	435,162	4	4															
INDIANA	-	-	-	-	-	11	-	-	11	-	-	11	195	912,118	6	6															
IOWA	-	-	-	-	-	5	-	-	5	-	-	5	453	289,737	13	13															
KANSAS	-	-	-	-	-	17	-	-	17	-	-	17	146	1,330,226	2	2															
KENTUCKY	-	-	-	-	-	54	-	-	54	-	-	54	741	3,840	8	8															
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	2	4,940	-	-															
MAINE	-	-	-	-	-	-	-	-	-	-	-	-	8	45,141	-	-															
MARYLAND	-	-	-	-	-	6	-	-	6	-	-	6	29	314,085	2	2															
MASSACHUSETTS	-	-	-	-	-	4	-	-	4	-	-	4	134	3,160	3	3															
MICHIGAN	-	-	-	-	-	4	-	-	4	-	-	4	483	930,144	1	1															
MINNESOTA	-	-	-	-	-	25	-	-	25	-	-	25	261	486,645	7	7															
MISSISSIPPI	-	-	-	-	-	8	-	-	8	-	-	8	554	1,097,352	4	4															
MISSOURI	-	-	-	-	-	35	-	-	35	-	-	35	24	42,235	5	5															
MONTANA	-	-	-	-	-	62	-	-	62	-	-	62	535	1,094,248	11	11															
NEBRASKA	-	-	-	-	-	55	-	-	55	-	-	55	2	4,547	1	1															
NEVADA	-	-	-	-	-	2	-	-	2	-	-	2	54	109,455	1	1															
NEW HAMPSHIRE	-	-	-	-	-	-	-	-	-	-	-	-	2,021	4,084,507	13	13															
NEW JERSEY	-	-	-	-	-	183	-	-	183	-	-	183	949	1,742,220	12	12															
NEW MEXICO	-	-	-	-	-	75	-	-	75	-	-	75	1,296	2,498,827	11	11															
NEW YORK	-	-	-	-	-	103	-	-	103	-	-	103	23	34,273	3	3															
NORTH CAROLINA	-	-	-	-	-	43	-	-	43	-	-	43	505	1,056,360	9	9															
NORTH DAKOTA	-	-	-	-	-	15	-	-	15	-	-	15	87	185,954	1	1															
OHIO	-	-	-	-	-	14	-	-	14	-	-	14	290	465,355	2	2															
OKLAHOMA	-	-	-	-	-	13	-	-	13	-	-	13	140	278,784	11	11															
OREGON	-	-	-	-	-	7	-	-	7	-	-	7	516	982,025	3	3															
PENNSYLVANIA	-	-	-	-	-	41	-	-	41	-	-	41	124	194,333	14	14															
SOUTH CAROLINA	-	-	-	-	-	5	-	-	5	-	-	5	515	1,013,889	7	7															
SOUTH DAKOTA	-	-	-	-	-	57	-	-	57	-	-	57	1,028	2,127,662	20	20															
TENNESSEE	-	-	-	-	-	104	-	-	104	-	-	104	368	2,547,506	27	27															
TEXAS	-	-	-	-	-	29	-	-	29	-	-	29	473	273,874	10	10															
UTAH	-	-	-	-	-	15	-	-	15	-	-	15	138	919,687	25	25															
VERMONT	-	-	-	-	-	5	-	-	5	-	-	5	113	178,488	9	9															
VIRGINIA	-	-	-	-	-	51	-	-	51	-	-	51	3	5,936	1	1															
WASHINGTON	-	-	-	-	-	15	-	-	15	-	-	15	8	17,016	1	1															
WEST VIRGINIA	-	-	-	-	-	3	-	-	3	-	-	3	2	17,016	1	1															
WISCONSIN	-	-	-	-	-	24	-	-	24	-	-	24	143	6,156,307	30	30															
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	2,971	58,018,283	361	361															
TOTAL OR AVERAGE	4	28	139	1,238	1,266	2,363	01	436	437	83	112	194	28,852	58,018,283	361	361															

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION															
	FATAL			NONFATAL			FATAL	FATAL AND NONFATAL	ALL INJURIES		FATAL	NONFATAL	FATAL AND NONFATAL																			
	TOTAL			TOTAL																												
	PERMANENT	TEMPORARY	TOTAL	PERMANENT	TEMPORARY	TOTAL																										
ALL NONMETALLIC-CONTINUED:																																
OFFICE:																																
ALABAMA																	22															
ALASKA																	18															
ARIZONA																	10															
ARKANSAS																	40															
CALIFORNIA																	19															
COLORADO																	3															
CONNECTICUT																	30															
FLORIDA																	42															
GEORGIA																	13															
HAWAII																	13															
IDaho																	13															
ILLINOIS																	13															
INDIANA																	13															
IOWA																	13															
KANSAS																	13															
KENTUCKY																	13															
LOUISIANA																	13															
MAINE																	13															
MARYLAND																	13															
MASSACHUSETTS																	13															
MICHIGAN																	13															
MINNESOTA																	13															
MISSISSIPPI																	13															
MISSOURI																	13															
MONTANA																	13															
NEBRASKA																	13															
NEVADA																	13															
NEW HAMPSHIRE																	13															
NEW JERSEY																	13															
NEW MEXICO																	13															
NEW YORK																	13															
NORTH CAROLINA																	13															
NORTH DAKOTA																	13															
OHIO																	13															
OKLAHOMA																	13															
OREGON																	13															
PENNSYLVANIA																	13															
SOUTH CAROLINA																	13															
SOUTH DAKOTA																	13															
TENNESSEE																	13															
TEXAS																	13															
UTAH																	13															
VERMONT																	13															
VIRGINIA																	13															
WASHINGTON																	13															
WEST VIRGINIA																	13															
WISCONSIN																	13															
WYOMING																	13															
TOTAL OR AVERAGE																	13															

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKSITE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						AVERAGE NUMBER OF ACCIDENTS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WITH WORK LOCATION					
	FATAL	NONFATAL				TOTAL INJURIES					NO.	TOTAL FATAL AND NONFATAL	TOTAL FATAL AND NONFATAL		
		PERMANENT	TEMPORARY	TOTAL	TOTAL										
														TOTAL	PARTIAL
ALL NONMETALLIC-CONTINUED; GRAND TOTAL OR AVERAGE:															
ALABAMA															
ALASKA															
ARIZONA															
ARKANSAS															
CALIFORNIA															
COLORADO															
CONNECTICUT															
FLORIDA															
GEORGIA															
HAWAII															
IDaho															
ILLINOIS															
INDIANA															
IOWA															
KANSAS															
KENTUCKY															
LOUISIANA															
MAINE															
MARYLAND															
MASSACHUSETTS															
MICHIGAN															
MINNESOTA															
MISSISSIPPI															
MISSOURI															
MONTANA															
NEBRASKA															
NEVADA															
NEW HAMPSHIRE															
NEW JERSEY															
NEW MEXICO															
NEW YORK															
NORTH CAROLINA															
NORTH DAKOTA															
OHIO															
OKLAHOMA															
OREGON															
PENNSYLVANIA															
SOUTH CAROLINA															
SOUTH DAKOTA															
TENNESSEE															
TEXAS															
UTAH															
VERMONT															
VIRGINIA															
WASHINGTON															
WEST VIRGINIA															
WISCONSIN															
WYOMING															
TOTAL OR AVERAGE															

TABLE 7 - NUMBER OF INJURIES, LOSSES, DAYS, AND AVERAGE SEVERITY BY DEGREE OF INJURY, LOCATION, AND STATE
 AT WORK AND MINERAL SECTOR IN THE UNITED STATES

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOSSES						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	%	TOTAL LOSSES	%	TOTAL LOSSES	%	TOTAL LOSSES	%	TOTAL LOSSES	%	
		PERMANENT	TEMPORARY	TOTAL											
APLITE PROCESSING PLANTS: VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, ALL MINES AND PLANTS: VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GRAND TOTAL OR AVERAGE VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AGGREGATES SURFACE MINES: OPEN PITS: VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, SURFACE VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, MINING VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PROCESSING PLANTS: VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, ALL MINES AND PLANTS: VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1982 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT	TOTAL					TOTAL NFDL	TEMPO- RARY	TOTAL NFDL						
			TOTAL	PARTIAL											TOTAL	PARTIAL
BARITE-CONTINUED: GRAND TOTAL OR AVERAGE: GEORGIA LOUISIANA MISSOURI NEVADA NEW YORK TEXAS TOTAL OR AVERAGE	- - - - - - -	- - - - - - -	3 7 1 4 2 7 24	3 7 1 4 2 7 24	13 3 3 - - - 21	15 10 4 4 2 3 45	- - - - - - -	- - - - - - -	10 156 4 332 4 78 584	10 156 4 332 4 78 584	- - - - - - -	3 22 4 83 2 11 23	3 22 4 83 2 11 23			
BORON: SURFACE MINES: OPEN PIT: CALIFORNIA TOTAL OR AVERAGE	- - - - -	- - - - -	4 4 4 4 4	4 4 4 4 4	- - - - -	4 4 4 4 4	- - - - -	- - - - -	- - - - -	60 60 60 60 60	60 60 60 60 60	- - - - -	15 15 15 15 15	15 15 15 15 15		
TOTAL OR AVERAGE, SURFACE: CALIFORNIA TOTAL OR AVERAGE	- - -	- - -	4 4 4	4 4 4	- - -	4 4 4	- - -	- - -	- - -	60 60 60	60 60 60	- - -	15 15 15	15 15 15		
TOTAL OR AVERAGE, MINING: CALIFORNIA TOTAL OR AVERAGE	- - -	- - -	4 4 4	4 4 4	- - -	4 4 4	- - -	- - -	- - -	60 60 60	60 60 60	- - -	15 15 15	15 15 15		
PROCESSING PLANTS: CALIFORNIA SOUTH CAROLINA TOTAL OR AVERAGE	- - - -	- - - -	4 3 7	4 3 7	4 3 3	10 6 16	- - -	- - -	- - -	82 20 112	82 20 112	- - -	23 7 16	23 7 16		
TOTAL OR AVERAGE, ALL MINES AND PLANTS: CALIFORNIA SOUTH CAROLINA TOTAL OR AVERAGE	- - - -	- - - -	6 3 11	6 3 11	4 3 3	12 8 20	- - -	- - -	- - -	152 20 172	152 20 172	- - -	19 7 16	19 7 16		
GRAND TOTAL OR AVERAGE: CALIFORNIA SOUTH CAROLINA TOTAL OR AVERAGE	- - - -	- - - -	6 3 11	6 3 11	4 3 3	12 8 20	- - -	- - -	- - -	152 20 172	152 20 172	- - -	19 7 16	19 7 16		

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST HOURS				AVERAGE SEVERITY										
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL							
		PERMANENT	TOTAL						TOTAL	PARTIAL											
			TOTAL	PARTIAL																	
CLAY: UNDERGROUND MINES: UNDERGROUND: OHIO-----	-	-	3	-	3	-	3	-	-	-	-	-	4	4							
TOTAL OR AVERAGE-----	-	-	3	-	3	-	3	-	-	-	-	-	4	4							
TOTAL OR AVERAGE, UG: OHIO-----	-	-	3	-	3	-	3	-	-	-	-	-	4	4							
TOTAL OR AVERAGE-----	-	-	3	-	3	-	3	-	-	-	-	-	4	4							
SURETIE MINES: OPEN PIT: ALABAMA-----	-	-	3	-	3	-	4	-	14	-	-	-	5	5							
CALIFORNIA-----	-	-	3	-	3	-	5	-	61	-	-	-	26	26							
FLORIDA-----	-	-	3	-	3	-	4	-	78	-	-	-	24	24							
GEORGIA-----	-	-	3	-	3	-	48	-	572	-	-	-	1	1							
KENTUCKY-----	-	-	2	-	2	-	2	-	2	-	-	-	40	40							
MISSISSIPPI-----	-	-	2	-	2	-	2	-	40	-	-	-	72	72							
NEVADA-----	-	-	1	-	1	-	4	-	215	-	-	-	11	11							
NORTH CAROLINA-----	-	-	3	-	3	-	2	-	32	-	-	-	2	2							
OHIO-----	-	-	2	-	2	-	2	-	5	-	-	-	1	1							
PENNSYLVANIA-----	-	-	2	-	2	-	2	-	171	-	-	-	34	34							
SOUTH CAROLINA-----	-	-	1	-	1	-	5	-	165	-	-	-	82	82							
TENNESSEE-----	-	-	2	-	2	-	5	-	247	-	-	-	124	124							
TEXAS-----	-	-	2	-	2	-	8	-	24	-	-	-	6	6							
WYOMING-----	-	-	4	-	4	-	96	-	1,627	-	-	-	28	28							
TOTAL OR AVERAGE-----	-	-	58	-	58	38	96	-	1,627	-	-	-	28	28							
TOTAL OR AVERAGE, SURFACE: ALABAMA-----	-	-	3	-	3	-	4	-	14	-	-	-	5	5							
CALIFORNIA-----	-	-	3	-	3	-	5	-	61	-	-	-	20	20							
FLORIDA-----	-	-	3	-	3	-	4	-	78	-	-	-	26	26							
GEORGIA-----	-	-	3	-	3	-	48	-	572	-	-	-	24	24							
KENTUCKY-----	-	-	2	-	2	-	2	-	2	-	-	-	40	40							
MISSISSIPPI-----	-	-	2	-	2	-	2	-	40	-	-	-	72	72							
NEVADA-----	-	-	1	-	1	-	4	-	215	-	-	-	11	11							
NORTH CAROLINA-----	-	-	3	-	3	-	2	-	32	-	-	-	2	2							
OHIO-----	-	-	2	-	2	-	2	-	5	-	-	-	1	1							
PENNSYLVANIA-----	-	-	2	-	2	-	2	-	171	-	-	-	34	34							
SOUTH CAROLINA-----	-	-	1	-	1	-	5	-	165	-	-	-	82	82							
TENNESSEE-----	-	-	2	-	2	-	5	-	247	-	-	-	124	124							
TEXAS-----	-	-	2	-	2	-	8	-	24	-	-	-	6	6							
WYOMING-----	-	-	4	-	4	-	96	-	1,627	-	-	-	28	28							
TOTAL OR AVERAGE-----	-	-	58	-	58	38	96	-	1,627	-	-	-	28	28							

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL					TOTAL	TEMPORARY	TOTAL NFDL					
CLAY-CONTINUED:																
TOTAL OR AVERAGE MINING:	-	-	-	-	3	1	4	-	-	-	14	-	-	5	5	14
ALABAMA	-	-	-	-	3	2	5	-	-	-	61	-	-	20	20	61
CALIFORNIA	-	-	-	-	3	4	7	-	-	-	78	-	-	26	26	78
FLORIDA	-	-	-	-	24	24	48	-	-	-	572	-	-	24	24	572
GEORGIA	-	-	-	-	2	1	3	-	-	-	2	-	-	1	1	2
KENTUCKY	-	-	-	-	1	1	2	-	-	-	40	-	-	40	40	40
MISSISSIPPI	-	-	-	-	1	1	2	-	-	-	215	-	-	72	72	215
NEVADA	-	-	-	-	3	3	6	-	-	-	32	-	-	11	11	32
NORTH CAROLINA	-	-	-	-	3	1	4	-	-	-	17	-	-	3	3	17
OHIO	-	-	-	-	5	-	5	-	-	-	1	-	-	1	1	1
PENNSYLVANIA	-	-	-	-	1	-	1	-	-	-	171	-	-	34	34	171
SOUTH CAROLINA	-	-	-	-	5	5	10	-	-	-	165	-	-	82	82	165
TENNESSEE	-	-	-	-	2	2	4	-	-	-	247	-	-	124	124	247
TEXAS	-	-	-	-	2	2	4	-	-	-	24	-	-	6	6	24
WYOMING	-	-	-	-	4	4	8	-	-	-	1,639	-	-	27	27	1,639
TOTAL OR AVERAGE	-	-	-	-	61	38	99	-	-	-	1,639	-	-	27	27	1,639
PROCESSING PLANTS:																
ALABAMA	-	-	-	-	16	8	24	-	-	-	112	-	-	7	7	112
ARKANSAS	-	-	-	-	10	13	23	-	-	-	190	-	-	19	19	190
CALIFORNIA	-	-	-	-	4	1	5	-	-	-	165	-	-	41	41	165
FLORIDA	-	-	-	-	133	182	315	-	-	-	1,727	-	-	12	12	1,727
GEORGIA	-	-	-	-	2	9	11	-	-	-	593	-	-	25	25	593
ILLINOIS	-	-	-	-	24	1	25	-	-	-	309	-	-	34	34	309
KANSAS	-	-	-	-	10	4	14	-	-	-	13	-	-	13	13	13
KENTUCKY	-	-	-	-	1	1	2	-	-	-	261	-	-	24	24	261
LOUISIANA	-	-	-	-	1	1	2	-	-	-	311	-	-	24	24	311
MISSISSIPPI	-	-	-	-	12	5	17	-	-	-	137	-	-	8	8	137
MISSOURI	-	-	-	-	17	1	18	-	-	-	328	-	-	41	41	328
NEVADA	-	-	-	-	8	1	9	-	-	-	13	-	-	6	6	13
NORTH CAROLINA	-	-	-	-	2	2	4	-	-	-	75	-	-	38	38	75
OHIO	-	-	-	-	2	2	4	-	-	-	47	-	-	5	5	47
SOUTH CAROLINA	-	-	-	-	2	2	4	-	-	-	908	-	-	32	32	908
SOUTH DAKOTA	-	-	-	-	9	9	18	-	-	-	61	-	-	80	80	61
TENNESSEE	-	-	-	-	29	21	50	-	-	-	80	-	-	50	50	80
TEXAS	-	-	-	-	8	4	12	-	-	-	50	-	-	10	10	50
UTAH	-	-	-	-	1	1	2	-	-	-	600	-	-	600	600	600
VIRGINIA	-	-	-	-	1	4	5	-	-	-	423	-	-	14	14	423
WYOMING	-	-	-	-	31	16	47	-	-	-	1,023	-	-	33	33	1,023
TOTAL OR AVERAGE	-	-	-	-	321	306	627	-	-	-	5,322	-	-	17	23	7,272

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY										
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL							
		PERMANENT	TEMPO- RARY	TOTAL				PERMANENT	TEMPO- RARY	TOTAL											
CLAY-CONTINUED:																					
TOTAL OR AVERAGE - ALL MINES AND PLANTS:																					
ALABAMA	-	-	19	-	19	28	-	-	126	-	126	-	7	7							
ARKANSAS	-	-	13	-	13	1	-	-	251	-	251	-	19	19							
CALIFORNIA	-	-	13	-	13	28	-	-	243	-	243	-	35	35							
FLORIDA	-	-	157	-	157	363	-	-	2,149	-	2,299	-	15	15							
GEORGIA	-	2	155	-	157	33	-	150	593	-	593	75	25	25							
ILLINOIS	-	-	24	-	24	17	-	-	-	-	-	-	-	-							
KANSAS	-	-	11	-	11	1	-	-	311	-	511	200	28	43							
KENTUCKY	-	-	11	-	11	2	-	-	13	-	13	-	13	13							
LOUISIANA	-	-	12	-	12	2	-	-	301	-	351	50	25	27							
MISSISSIPPI	-	-	13	-	13	38	-	-	137	-	137	-	8	8							
MISSOURI	-	-	17	-	17	22	-	-	543	-	543	-	49	49							
NEVADA	-	-	11	-	11	13	-	-	45	-	45	-	9	9							
NORTH CAROLINA	-	-	5	-	5	6	-	-	92	-	92	-	13	13							
OHIO	-	-	7	-	7	9	-	-	1	-	1	-	1	1							
PENNSYLVANIA	-	-	14	-	14	1	-	-	218	-	218	-	16	16							
SOUTH CAROLINA	-	-	1	-	1	18	-	-	-	-	-	-	-	-							
SOUTH DAKOTA	-	-	31	-	31	2	-	-	1,973	-	1,973	900	35	64							
TEXAS	-	1	30	-	31	52	-	900	308	-	308	-	31	31							
UTAH	-	-	10	-	10	17	-	-	80	-	80	-	80	80							
VIRGINIA	-	-	1	-	1	5	-	-	30	-	30	50	10	20							
WYOMING	-	-	34	-	35	6	-	-	447	-	1,047	600	13	30							
TOTAL OR AVERAGE	-	7	375	-	382	726	-	1,950	6,951	-	8,911	279	19	23							
OFFICE:																					
GEORGIA	-	-	-	-	-	1	-	-	-	-	-	-	-	-							
KENTUCKY	-	-	1	-	1	2	-	-	-	-	-	-	-	-							
TEXAS	-	-	1	-	1	1	-	-	16	-	16	-	16	16							
UTAH	-	-	1	-	1	1	-	-	13	-	13	-	13	13							
TOTAL OR AVERAGE	-	-	2	-	2	5	-	-	29	-	29	-	14	14							

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NOL	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL					PARTIAL					
CLAY-CONTINUED: GRAND TOTAL OR AVERAGE:														
ALABAMA	-	-	19	-	19	28	9	-	-	126	-	-	7	7
ARKANSAS	-	-	13	-	13	1	15	-	-	251	-	-	19	19
CALIFORNIA	-	-	7	-	7	28	2	-	-	243	-	-	35	35
FLORIDA	-	-	157	-	157	364	207	-	-	2,299	-	-	14	14
GEORGIA	-	2	24	-	24	33	9	-	150	593	-	75	25	25
ILLINOIS	-	-	11	-	11	1	1	-	-	-	-	-	-	-
KANSAS	-	-	12	-	12	19	7	-	200	511	-	200	28	28
KENTUCKY	-	1	1	-	1	2	1	-	50	13	-	50	13	13
LOUISIANA	-	1	13	-	13	38	25	-	-	361	-	-	25	25
MISSISSIPPI	-	1	17	-	17	22	5	-	-	137	-	-	8	8
MISSOURI	-	11	11	-	11	13	2	-	-	543	-	-	49	49
NEVADA	-	-	5	-	5	6	1	-	-	45	-	-	9	9
NORTH CAROLINA	-	-	7	-	7	9	2	-	-	92	-	-	13	13
OHIO	-	-	1	-	1	1	1	-	-	1	-	-	1	1
PENNSYLVANIA	-	-	14	-	14	18	4	-	-	218	-	-	16	16
SOUTH CAROLINA	-	-	2	-	2	2	2	-	900	1,973	-	900	36	36
SOUTH DAKOTA	-	1	31	-	31	52	21	-	-	324	-	-	29	29
TENNESSEE	-	-	11	-	11	18	7	-	-	93	-	-	46	46
TEXAS	-	-	2	-	2	6	4	-	-	80	-	-	10	10
UTAH	-	-	4	-	4	6	2	-	50	30	-	50	20	20
VIRGINIA	-	1	3	-	3	5	20	-	600	1,047	-	600	13	13
WYOMING	-	-	35	-	35	55	3	-	-	447	-	-	19	19
TOTAL OR AVERAGE	-	7	377	-	384	731	347	-	1,950	8,940	-	279	19	23
FELDSPAR: SURFACE MINES: OPEN PIT:														
CONNECTICUT	-	-	1	-	1	1	-	-	-	20	-	-	20	20
GEORGIA	-	-	5	-	5	5	3	-	-	20	-	-	4	4
NORTH CAROLINA	-	-	3	-	3	6	3	-	-	20	-	-	7	7
TOTAL OR AVERAGE	-	-	9	-	9	12	3	-	60	60	-	-	7	7
TOTAL OR AVERAGE, SURFACE:														
CONNECTICUT	-	-	1	-	1	1	-	-	-	20	-	-	20	20
GEORGIA	-	-	5	-	5	5	3	-	-	20	-	-	4	4
NORTH CAROLINA	-	-	3	-	3	6	3	-	-	20	-	-	7	7
TOTAL OR AVERAGE	-	-	9	-	9	12	3	-	60	60	-	-	7	7
TOTAL OR AVERAGE, MINING:														
CONNECTICUT	-	-	1	-	1	1	-	-	-	20	-	-	20	20
GEORGIA	-	-	5	-	5	5	3	-	-	20	-	-	4	4
NORTH CAROLINA	-	-	3	-	3	6	3	-	-	20	-	-	7	7
TOTAL OR AVERAGE	-	-	9	-	9	12	3	-	60	60	-	-	7	7

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL					
FELDSPAR--CONTINUED:															
PROCESSING PLANTS:															
CONNECTICUT-----	-	-	4	4	4	-	4	-	-	-	33	-	-	8	8
GEORGIA-----	-	-	1	16	16	12	1	-	-	-	429	-	-	27	27
NORTH CAROLINA-----	-	-	1	1	1	1	1	-	-	-	50	-	-	5	50
SOUTH CAROLINA-----	-	-	1	1	1	1	1	-	-	-	5	-	-	5	5
SOUTH DAKOTA-----	-	-	1	1	1	1	1	-	-	-	50	-	-	5	5
TEXAS-----	-	-	1	1	1	1	1	-	-	-	50	-	-	5	5
TOTAL OR AVERAGE----	-	1	21	22	22	14	36	-	-	50	517	50	50	22	24
TOTAL OR AVERAGE ALL															
MINES AND PLANTS:															
CONNECTICUT-----	-	-	5	5	5	1	5	-	-	-	53	-	-	11	11
GEORGIA-----	-	-	5	19	19	15	4	-	-	-	20	-	-	4	4
NORTH CAROLINA-----	-	-	19	1	1	1	1	-	-	-	449	-	-	24	24
SOUTH CAROLINA-----	-	-	1	1	1	1	1	-	-	-	50	-	-	5	5
SOUTH DAKOTA-----	-	-	1	1	1	1	1	-	-	-	50	-	-	5	5
TEXAS-----	-	-	1	1	1	1	1	-	-	-	50	-	-	5	5
TOTAL OR AVERAGE----	-	1	30	31	31	17	48	-	-	50	577	50	50	18	19
TOTAL OR AVERAGE															
GRAND TOTAL OR AVERAGE:															
CONNECTICUT-----	-	-	5	5	5	1	5	-	-	-	53	-	-	11	11
GEORGIA-----	-	-	5	19	19	15	6	-	-	-	20	-	-	4	4
NORTH CAROLINA-----	-	-	19	1	1	1	34	-	-	-	449	-	-	24	24
SOUTH CAROLINA-----	-	-	1	1	1	1	1	-	-	-	50	-	-	5	5
SOUTH DAKOTA-----	-	-	1	1	1	1	1	-	-	-	50	-	-	5	5
TEXAS-----	-	-	1	1	1	1	1	-	-	-	50	-	-	5	5
TOTAL OR AVERAGE----	-	1	30	31	31	17	48	-	-	50	577	50	50	18	19
TOTAL OR AVERAGE															
FELDSPAR:															
UNDERGROUND MINES:															
ILLINOIS-----	-	-	7	7	7	3	10	-	-	-	58	-	-	8	8
TOTAL OR AVERAGE----	-	-	7	7	7	3	10	-	-	-	58	-	-	8	8
TOTAL OR AVERAGE															
SURFACE AT UNDERGROUND:															
ILLINOIS-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE															
TOTAL OR AVERAGE UG:															
ILLINOIS-----	-	-	7	7	7	4	11	-	-	-	58	-	-	8	8
TOTAL OR AVERAGE----	-	-	7	7	7	4	11	-	-	-	58	-	-	8	8
TOTAL OR AVERAGE															

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE - MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPORARY	TOTAL NFDL			PERMANENT		TEMPORARY	TOTAL NFDL				
		TOTAL	PARTIAL					TOTAL	PARTIAL						
FLUORSPAR-CONTINUED: ILLINOIS----- TOTAL OR AVERAGE-----	-	-	7	7	7	4	11	-	-	58	58	58	8	8	8
PROCESSING PLANTS: ILLINOIS----- TOTAL OR AVERAGE-----	-	-	3	3	3	14	17	-	-	189	189	189	63	63	63
TOTAL OR AVERAGE-----	-	-	10	10	10	18	28	-	-	247	247	247	25	25	25
GRAND TOTAL OR AVERAGE: ILLINOIS----- TOTAL OR AVERAGE-----	-	-	10	10	10	18	28	-	-	247	247	247	25	25	25
GEMSTONES: UNDERGROUND MINES: UNDERGROUND----- CALIFORNIA----- TOTAL OR AVERAGE-----	-	-	1	1	1	1	1	-	-	3	3	3	3	3	3
TOTAL OR AVERAGE-----	-	-	1	1	1	1	1	-	-	3	3	3	3	3	3
TOTAL OR AVERAGE-----	-	-	1	1	1	1	1	-	-	3	3	3	3	3	3
SURFACE MINES: OPEN PIT: ARKANSAS----- TOTAL OR AVERAGE-----	1	-	-	-	1	1	2	6,000	-	-	6,000	6,000	-	-	6,000
TOTAL OR AVERAGE-----	1	-	-	-	1	1	2	6,000	-	-	6,000	6,000	-	-	6,000
TOTAL OR AVERAGE-----	1	-	-	-	1	1	2	6,000	-	-	6,000	6,000	-	-	6,000
TOTAL OR AVERAGE-----	1	-	-	-	1	1	2	6,000	-	-	6,000	6,000	-	-	6,000

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY							
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL					
		PERMANENT	TEMPORARY		TOTAL NFDL					PERMANENT	TEMPORARY	TOTAL NFDL						
			TOTAL	PARTIAL														
GEMSTONES-CONTINUED:																		
TOTAL OR AVERAGE, MINING:																		
ARKANSAS	1	-	-	-	1	1	1	2	6,000	-	-	3	6,000					
CALIFORNIA	-	-	1	-	1	1	1	1	-	-	3	3	3					
TOTAL OR AVERAGE	1	-	1	-	1	2	1	3	6,000	-	-	3	3,002					
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																		
ARKANSAS	1	-	-	-	1	1	1	2	6,000	-	-	3	6,000					
CALIFORNIA	-	-	1	-	1	1	1	1	-	-	3	3	3					
TOTAL OR AVERAGE	1	-	1	-	1	2	1	3	6,000	-	-	3	3,002					
GRAND TOTAL OR AVERAGE:																		
ARKANSAS	1	-	-	-	1	1	1	2	6,000	-	-	3	6,000					
CALIFORNIA	-	-	1	-	1	1	1	1	-	-	3	3	3					
TOTAL OR AVERAGE	1	-	1	-	1	2	1	3	6,000	-	-	3	3,002					
GILSONITE:																		
UNDERGROUND MINES:																		
UTAH	-	-	5	-	5	5	7	12	-	-	-	20	20					
TOTAL OR AVERAGE	-	-	5	-	5	5	7	12	-	-	-	20	20					
TOTAL OR AVERAGE, UG:																		
UTAH	-	-	5	-	5	5	7	12	-	-	-	20	20					
TOTAL OR AVERAGE	-	-	5	-	5	5	7	12	-	-	-	20	20					
TOTAL OR AVERAGE, MINING:																		
UTAH	-	-	5	-	5	5	7	12	-	-	-	20	20					
TOTAL OR AVERAGE	-	-	5	-	5	5	7	12	-	-	-	20	20					
PROCESSING PLANTS:																		
UTAH	-	-	4	-	4	4	4	8	-	-	-	46	46					
TOTAL OR AVERAGE	-	-	4	-	4	4	4	8	-	-	-	46	46					

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL NFIL						
TOTAL	PARTIAL	TOTAL	PARTIAL	TOTAL										
GYPSUM-CONTINUED:														
TOTAL OR AVERAGE, SURFACE:														
ARKANSAS-----	-	-	1	1	1	2	-	-	-	40	40	-	40	40
CALIFORNIA-----	-	-	1	1	1	1	-	-	-	2	2	-	2	2
IDAHO-----	-	-	1	1	1	1	-	-	-	18	18	-	18	18
MICHIGAN-----	-	-	2	2	2	2	-	-	-	21	21	-	21	21
NEVADA-----	-	-	1	1	1	1	-	-	-	3	3	-	3	3
NEW MEXICO-----	-	-	6	6	6	11	-	-	-	215	215	-	215	215
OKLAHOMA-----	-	-	4	4	4	5	-	-	-	87	87	-	87	87
TEXAS-----	-	-	1	1	1	1	-	-	-	17	17	-	17	17
WYOMING-----	-	-	17	17	17	27	-	-	-	403	403	-	24	24
TOTAL OR AVERAGE-----	-	-	1	1	1	2	-	-	-	40	40	-	40	40
MINING:														
TOTAL OR AVERAGE:														
ARKANSAS-----	-	-	1	1	1	2	-	-	-	40	40	-	40	40
CALIFORNIA-----	-	-	1	1	1	3	-	-	-	2	2	-	2	2
IDAHO-----	-	-	1	1	1	2	-	-	-	18	18	-	18	18
MICHIGAN-----	-	-	3	3	3	1	-	-	-	23	23	-	8	8
NEVADA-----	-	-	1	1	1	1	-	-	-	3	3	-	3	3
NEW MEXICO-----	-	-	6	6	6	11	-	-	-	215	215	-	36	36
NEW YORK-----	-	-	4	4	4	5	-	-	-	87	87	-	22	22
OKLAHOMA-----	-	-	2	3	4	7	6,000	500	500	9	609	500	4	1,052
TEXAS-----	1	1	1	1	1	1	-	-	-	17	17	-	17	17
VIRGINIA-----	-	-	20	21	22	48	6,000	500	500	414	1,014	500	21	319
WYOMING-----	1	1	20	21	22	48	6,000	500	500	414	1,014	500	21	319
TOTAL OR AVERAGE-----	1	1	20	21	22	48	6,000	500	500	414	1,014	500	21	319
PROCESSING PLANTS:														
IDAHO-----	-	-	3	3	3	1	-	-	-	207	207	-	69	69
NEVADA-----	-	-	1	1	1	1	-	-	-	6	6	-	6	6
OKLAHOMA-----	-	-	1	1	1	2	-	-	-	-	-	-	-	-
TEXAS-----	-	-	4	4	4	7	-	-	-	213	213	-	53	53
TOTAL OR AVERAGE-----	-	-	4	4	4	11	-	-	-	213	213	-	53	53

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY								
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL				PERMANENT											
								TOTAL	PARTIAL	TEMPO- RARY									
GYPSUM-CONTINUED: TOTAL OR AVERAGE, ALL MINES AND PLANTS:																			
ARKANSAS-----	-	-	1	1	1	2	-	-	-	40	-	40	40						
CALIFORNIA-----	-	-	1	1	1	2	-	-	-	2	-	2	2						
ILLINOIS-----	-	-	4	4	4	9	-	-	-	225	-	225	56						
INDIANA-----	-	-	-	-	-	1	-	-	-	-	-	-	-						
IOWA-----	-	-	3	3	3	4	-	-	-	23	-	23	8						
KANSAS-----	-	-	1	1	1	3	-	-	-	3	-	3	3						
MICHIGAN-----	-	-	-	-	-	1	-	-	-	-	-	-	-						
NEVADA-----	-	-	-	-	-	6	-	-	-	-	-	-	-						
NEW MEXICO-----	-	-	7	7	7	12	-	-	-	221	-	221	32						
NEW YORK-----	-	-	4	4	4	7	-	-	-	87	-	87	22						
OKLAHOMA-----	-	-	3	3	3	7	6,000	-	-	9	600	4	1,652						
TEXAS-----	1	1	1	1	1	1	-	-	-	17	-	17	17						
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-						
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-						
TOTAL OR AVERAGE-----	1	1	24	25	26	59	6,000	-	600	627	600	26	278						
OFFICE: IOWA-----	-	-	-	-	-	1	-	-	-	-	-	-	-						
TOTAL OR AVERAGE-----	-	-	-	-	-	1	-	-	-	-	-	-	-						
GRAND TOTAL OR AVERAGE:																			
ARKANSAS-----	-	-	1	1	1	2	-	-	-	40	-	40	40						
CALIFORNIA-----	-	-	1	1	1	2	-	-	-	2	-	2	2						
ILLINOIS-----	-	-	4	4	4	9	-	-	-	225	-	225	56						
INDIANA-----	-	-	-	-	-	1	-	-	-	-	-	-	-						
IOWA-----	-	-	3	3	3	4	-	-	-	23	-	23	8						
KANSAS-----	-	-	1	1	1	3	-	-	-	3	-	3	3						
MICHIGAN-----	-	-	-	-	-	1	-	-	-	-	-	-	-						
NEVADA-----	-	-	-	-	-	6	-	-	-	-	-	-	-						
NEW MEXICO-----	-	-	7	7	7	12	-	-	-	221	-	221	32						
NEW YORK-----	-	-	4	4	4	7	-	-	-	87	-	87	22						
OKLAHOMA-----	-	-	3	3	3	7	6,000	-	600	9	600	4	1,652						
TEXAS-----	1	1	1	1	1	1	-	-	-	17	-	17	17						
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-						
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-						
TOTAL OR AVERAGE-----	1	1	24	25	26	60	6,000	-	600	627	600	26	278						
KYANITE: PROCESSING PLANTS:																			
VIRGINIA-----	-	1	9	10	10	18	-	-	50	126	50	14	18						
TOTAL OR AVERAGE-----	-	1	9	10	10	18	-	-	50	126	50	14	18						

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TOTAL					TEMPO- RARY	TOTAL NFDL						
			TOTAL	PARTIAL											
-	-	1	9	10	8	18	-	-	50	126	176	50	14	18	
-	-	1	9	10	8	18	-	-	50	126	176	50	14	18	
-	-	1	9	10	8	18	-	-	50	126	176	50	14	18	
-	-	1	9	10	8	18	-	-	50	126	176	50	14	18	
-	-	-	2	2	2	2	-	-	-	56	56	56	-	28	28
-	-	-	2	2	2	2	-	-	-	56	56	56	-	28	28
-	-	-	2	2	2	2	-	-	-	56	56	56	-	28	28
-	-	-	2	2	2	2	-	-	-	56	56	56	-	28	28
-	-	-	2	2	2	2	-	-	-	56	56	56	-	28	28
-	-	-	1	1	1	1	2	-	-	-	6	6	-	6	6
-	-	-	1	1	1	1	2	-	-	-	6	6	-	6	6
-	-	-	1	1	1	1	2	-	-	-	6	6	-	6	6
-	-	-	1	1	1	1	2	-	-	-	6	6	-	6	6
-	-	-	1	1	1	1	2	-	-	-	6	6	-	6	6
-	-	-	1	1	1	1	2	-	-	-	6	6	-	6	6
-	-	-	1	1	1	1	2	-	-	-	6	6	-	6	6
-	-	-	1	1	1	1	2	-	-	-	6	6	-	6	6

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT NONFETTERIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION, AND STATE	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY										
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	NFIL	FATAL	NFIL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL							
		PERMANENT	TEMPO- RARY	TOTAL					PERMANENT	TEMPO- RARY	TOTAL										
LITHIUM-CONTINUED: TOTAL OR AVERAGE MINES AND PLANTS: NORTH CAROLINA----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: NORTH CAROLINA----- TOTAL OR AVERAGE-----	-	-	1	1	1	2	1	-	-	6	6	-	6	6							
	-	-	1	1	1	2	1	-	-	6	6	-	6	6							
	-	-	1	1	1	2	1	-	-	6	6	-	6	6							
	-	-	1	1	1	2	1	-	-	6	6	-	6	6							
MAGNESITE: PROCESSING PLANTS: NEVADA----- TOTAL OR AVERAGE-----	-	-	6	6	6	9	3	-	-	325	325	-	54	54							
	-	-	6	6	6	9	3	-	-	325	325	-	54	54							
TOTAL OR AVERAGE-----	-	-	6	6	6	9	3	-	-	325	325	-	54	54							
TOTAL OR AVERAGE-----	-	-	6	6	6	9	3	-	-	325	325	-	54	54							
GRAND TOTAL OR AVERAGE: NEVADA----- TOTAL OR AVERAGE-----	-	-	6	6	6	9	3	-	-	325	325	-	54	54							
	-	-	6	6	6	9	3	-	-	325	325	-	54	54							
	-	-	6	6	6	9	3	-	-	325	325	-	54	54							
MICA: SURFACE MINES: OPEN PIT: GEORGIA----- NEW MEXICO----- SOUTH DAKOTA----- TOTAL OR AVERAGE-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-							
	-	-	-	-	-	1	1	-	-	-	-	-	-	-							
	-	-	1	1	1	1	1	-	-	32	32	-	32	32							
	-	-	1	1	1	5	4	-	-	32	32	-	32	32							
TOTAL OR AVERAGE-----	-	-	1	1	1	5	4	-	-	32	32	-	32	32							
TOTAL OR AVERAGE: SURFACE: GEORGIA----- NEW MEXICO----- SOUTH DAKOTA----- TOTAL OR AVERAGE-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-							
	-	-	-	-	-	1	1	-	-	-	-	-	-	-							
	-	-	1	1	1	1	1	-	-	32	32	-	32	32							
	-	-	1	1	1	5	4	-	-	32	32	-	32	32							
TOTAL OR AVERAGE-----	-	-	1	1	1	5	4	-	-	32	32	-	32	32							

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY			
	FATAL	N/D			TOTAL FATAL AND N/D	N/D	TOTAL INJURIES	FATAL	N/D			TOTAL FATAL AND N/D	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND N/D	
		PERMANENT	TEMPO- RARY	TOTAL N/D					TOTAL	PARTIAL	TOTAL N/D					
MICA-CONTINUED:																
TOTAL OR AVERAGE: MINING:	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
GEORGIA:	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
NEW MEXICO:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-
PROCESSING PLANTS:																
GEORGIA:	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-
NEW MEXICO:	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA:	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	-	-	43	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE: ALL MINES AND PLANTS:																
GEORGIA:	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-
NEW MEXICO:	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA:	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA:	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL OR AVERAGE:																
GEORGIA:	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-
NEW MEXICO:	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA:	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA:	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-
OIL SAND/SHALE:																
UNDERGROUND MINES:																
COLORADO:	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-
ILLINOIS:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
TEXAS:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-
SURFACE AT UNDERGROUND:																
COLORADO:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL				PERMANENT	TEMPO- RARY	TOTAL NFDL					
	TOTAL	PARTIAL				TOTAL	PARTIAL								
OIL SAND/SHALE-CONTINUED: TOTAL OR AVERAGE, UG: COLORADO----- ILLINOIS----- TEXAS----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	7 1 - 8 -	7 1 1 8 -	7 1 1 8 -	5 - 1 6 -	12 1 1 14 -	- - - - -	- - - - -	- - - - -	56 21 - 77 -	- - - - -	8 21 - 10 -	8 21 - 10 -	
TOTAL OR AVERAGE, MINING: COLORADO----- ILLINOIS----- TEXAS----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	7 1 - 8 -	7 1 1 8 -	7 1 1 8 -	5 - 1 6 -	12 1 1 14 -	- - - - -	- - - - -	- - - - -	56 21 - 77 -	- - - - -	8 21 - 10 -	8 21 - 10 -	
TOTAL OR AVERAGE, ALL MINES AND PLANTS: COLORADO----- ILLINOIS----- TEXAS----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	7 1 - 8 -	7 1 1 8 -	7 1 1 8 -	5 - 1 6 -	12 1 1 14 -	- - - - -	- - - - -	- - - - -	56 21 - 77 -	- - - - -	8 21 - 10 -	8 21 - 10 -	
GRAND TOTAL OR AVERAGE: COLORADO----- ILLINOIS----- TEXAS----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	7 1 - 8 -	7 1 1 8 -	7 1 1 8 -	5 - 1 6 -	12 1 1 14 -	- - - - -	- - - - -	- - - - -	56 21 - 77 -	- - - - -	8 21 - 10 -	8 21 - 10 -	
PERLITE: SURFACE MINES: OPEN PIT: IDAHO----- NEW MEXICO----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	5 3 - 8 -	5 3 3 8 -	5 3 3 8 -	- 4 - 4 -	5 7 - 12 -	- - - - -	- - - - -	- - - - -	57 11 - 68 -	- - - - -	11 4 - 8 -	11 4 - 8 -	
TOTAL OR AVERAGE, SURFACE: IDAHO----- NEW MEXICO----- TOTAL OR AVERAGE-----	- - - -	- - - -	5 3 - 8 -	5 3 3 8 -	5 3 3 8 -	- 4 - 4 -	5 7 - 12 -	- - - - -	- - - - -	- - - - -	57 11 - 68 -	- - - - -	11 4 - 8 -	11 4 - 8 -	

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL						
PERLITE-CONTINUED: TOTAL OR AVERAGE, MINING: IDAHO----- NEW MEXICO----- TOTAL OR AVERAGE-----	- - -	- - -	5 3 8	- 4 4	5 3 8	- 4 4	5 7 12	- - -	- - -	- - -	57 11 68	- - -	11 4 8	11 4 8		
PROCESSING PLANTS: ARIZONA----- FLORIDA----- IDAHO----- KANSAS----- NEW MEXICO----- TOTAL OR AVERAGE-----	- - - - 1 1	- - - - -	1 2 4 17 26	1 2 2 11 15	1 2 4 18 27	1 2 2 11 15	2 2 4 29 42	- - - 6,000 6,000	- - - -	- - - -	- - - -	7 6 8 71 312 404	- - - -	7 3 4 18 351 237	7 3 4 18 351 237	
TOTAL OR AVERAGE, ALL MINES AND PLANTS: ARIZONA----- FLORIDA----- IDAHO----- KANSAS----- NEW MEXICO----- TOTAL OR AVERAGE-----	- - - - 1 1	- - - - -	1 2 7 20 34	1 2 2 15 19	1 2 7 21 35	1 2 2 15 19	2 2 9 36 54	- - - 5,000 6,000	- - - -	- - - -	- - - -	7 6 65 71 323 472	- - - -	7 3 9 18 16 14	7 3 9 18 301 185	7 3 9 18 301 185
GRAND TOTAL OR AVERAGE: ARIZONA----- FLORIDA----- IDAHO----- KANSAS----- NEW MEXICO----- TOTAL OR AVERAGE-----	- - - - 1 1	- - - - -	1 2 7 20 34	1 2 2 15 19	1 2 7 21 35	1 2 2 15 19	2 2 9 36 54	- - - 6,000 6,000	- - - -	- - - -	- - - -	7 6 65 71 323 472	- - - -	7 3 9 18 16 14	7 3 9 18 301 185	7 3 9 18 301 185
PHOSPHATE: UNDERGROUND MINES: UNDERGROUND: MONTANA----- TOTAL OR AVERAGE-----	- - -	- - -	10 10	7 7	10 10	7 7	17 17	- -	- -	- -	64 64	- -	6 6	6 6	6 6	6 6
SURFACE AT UNDERGROUND: MONTANA----- TOTAL OR AVERAGE-----	- -	- -	2 2	2 2	2 2	2 2	4 4	- -	- -	- -	37 37	- -	18 18	18 18	18 18	18 18

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL				TOTAL	PERMANENT	TEMPO- RARY					
															TOTAL
PROSPERITY-CONTINUED: TOTAL OR AVERAGE, UG: MONTANA----- TOTAL OR AVERAGE-----	-	-	12	12	12	21	-	-	-	101	101	-	8	8	
SURFACE MINES: OPEN PIT: FLORIDA----- IDAHO----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	-	3	62	65	106	106	-	1,910	649	2,559	2,559	637	10	39	
DREDGE: NORTH CAROLINA----- TOTAL OR AVERAGE-----	-	-	15	15	27	27	-	600	362	362	362	600	24	24	
TOTAL OR AVERAGE, SURFACE: FLORIDA----- IDAHO----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	-	1	12	13	8	8	-	50	174	774	774	50	14	60	
TOTAL OR AVERAGE, MINING: FLORIDA----- IDAHO----- MONTANA----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	-	5	89	94	156	156	-	2,560	1,185	3,745	3,745	512	13	40	
TOTAL OR AVERAGE, SURFACE: FLORIDA----- IDAHO----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	-	3	62	65	106	106	-	1,910	649	2,559	2,559	637	10	39	
TOTAL OR AVERAGE, MINING: FLORIDA----- IDAHO----- MONTANA----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	-	1	15	16	27	27	-	600	362	362	362	600	24	24	
TOTAL OR AVERAGE, SURFACE: FLORIDA----- IDAHO----- MONTANA----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	-	1	15	16	27	27	-	50	209	809	809	50	14	51	
TOTAL OR AVERAGE, MINING: FLORIDA----- IDAHO----- MONTANA----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	-	5	92	97	162	162	-	2,560	1,220	3,780	3,780	512	13	39	
TOTAL OR AVERAGE, SURFACE: FLORIDA----- IDAHO----- MONTANA----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	-	3	62	65	106	106	-	1,910	649	2,559	2,559	637	10	39	
TOTAL OR AVERAGE, MINING: FLORIDA----- IDAHO----- MONTANA----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	-	1	15	16	27	27	-	600	362	362	362	600	24	24	
TOTAL OR AVERAGE, SURFACE: FLORIDA----- IDAHO----- MONTANA----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	-	1	15	16	27	27	-	50	209	809	809	50	14	51	
TOTAL OR AVERAGE, MINING: FLORIDA----- IDAHO----- MONTANA----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	-	5	104	109	183	183	-	2,560	1,321	3,881	3,881	512	13	36	
INDEPENDENT STOPS: TENNESSEE----- TOTAL OR AVERAGE-----	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	1	1	-	-	-	-	-	-	-	-	

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE OR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL
		PERMANENT	TEMPO- RARY	TOTAL NFIDL				TOTAL	PARTIAL					
		TOTAL	PARTIAL											
PHOSPHATE-CONTINUED: PROCESSING PLANTS: FLORIDA----- IDAHO----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	- - - - - -	1 - - - - 1	37 5 5 3 1 51	38 5 5 3 1 52	38 5 5 3 1 52	88 5 6 3 3 105	- - - - - -	- - - - - -	300 - - - - 300	937 153 142 18 2 1,252	1,237 153 142 18 2 1,552	300 - - - - 300	25 31 28 6 2 25	33 31 28 6 2 30
TOTAL OR AVERAGE, ALL MINES AND PLANTS: FLORIDA----- IDAHO----- MONTANA----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	- - - - - -	4 - - - - 6	98 20 12 20 3 155	103 20 12 21 4 161	103 20 12 21 4 161	194 32 21 33 5 289	- - - - - -	- - - - - -	2,210 - - 600 50 - 2,860	1,586 515 101 351 68 2,573	3,796 515 101 951 68 5,433	552 - - 500 50 477	16 26 8 18 6 17	37 26 8 45 17 34
GRAND TOTAL OR AVERAGE: FLORIDA----- IDAHO----- MONTANA----- NORTH CAROLINA----- TENNESSEE----- UTAH----- TOTAL OR AVERAGE-----	- - - - - -	4 - - - - 6	98 20 12 20 3 155	103 20 12 21 4 161	103 20 12 21 4 161	194 32 21 33 5 289	- - - - - -	- - - - - -	2,210 - - 600 50 - 2,860	1,586 515 101 351 68 2,573	3,796 515 101 951 68 5,433	552 - - 500 50 477	16 26 8 18 6 17	37 26 8 45 17 34
PIGMENT PROCESSING PLANTS: TEXAS----- TOTAL OR AVERAGE-----	- - -	- - -	6 6 -	6 6 -	6 6 -	11 11 -	- - -	- - -	- - -	72 72 -	72 72 -	- - -	12 12 -	12 12 -
TOTAL OR AVERAGE, ALL MINES AND PLANTS: TEXAS----- TOTAL OR AVERAGE-----	- - -	- - -	6 6 -	6 6 -	6 6 -	11 11 -	- - -	- - -	- - -	72 72 -	72 72 -	- - -	12 12 -	12 12 -
GRAND TOTAL OR AVERAGE: TEXAS----- TOTAL OR AVERAGE-----	- - -	- - -	6 6 -	6 6 -	6 6 -	11 11 -	- - -	- - -	- - -	72 72 -	72 72 -	- - -	12 12 -	12 12 -

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE OR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL	PARTIAL	TOTAL				
PUMICE:															
SURFACE MINES:															
OPEN PIT:															
ARIZONA-----	-	-	3	3	3	-	3	-	-	-	52	52	-	17	17
CALIFORNIA-----	-	-	10	10	10	2	12	-	-	-	131	131	-	13	13
NEW MEXICO-----	-	-	1	1	1	1	1	-	-	-	3	3	-	3	3
OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	14	14	14	3	17	-	-	-	186	186	-	13	13
TOTAL OR AVERAGE, SURFACE:															
ARIZONA-----	-	-	3	3	3	-	3	-	-	-	52	52	-	17	17
CALIFORNIA-----	-	-	10	10	10	2	12	-	-	-	131	131	-	13	13
NEW MEXICO-----	-	-	1	1	1	1	1	-	-	-	3	3	-	3	3
OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	14	14	14	3	17	-	-	-	186	186	-	13	13
TOTAL OR AVERAGE, MINING:															
ARIZONA-----	-	-	3	3	3	-	3	-	-	-	52	52	-	17	17
CALIFORNIA-----	-	-	10	10	10	2	12	-	-	-	131	131	-	13	13
NEW MEXICO-----	-	-	1	1	1	1	1	-	-	-	3	3	-	3	3
OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	14	14	14	3	17	-	-	-	186	186	-	13	13
PROCESSING PLANTS:															
COLORADO-----	-	-	8	8	8	-	8	-	-	-	66	66	-	8	8
IDAHO-----	-	-	1	1	1	3	4	-	-	-	50	50	-	23	23
NEW MEXICO-----	-	-	1	1	1	1	1	-	-	-	-	-	-	-	-
OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	9	10	10	5	15	-	-	-	89	139	50	10	14
TOTAL OR AVERAGE, ALL															
MINES AND PLANTS:															
ARIZONA-----	-	-	3	3	3	2	3	-	-	-	52	52	-	17	17
CALIFORNIA-----	-	-	10	10	10	2	12	-	-	-	131	131	-	13	13
COLORADO-----	-	-	8	8	8	3	8	-	-	-	66	66	-	8	8
IDAHO-----	-	-	1	1	1	3	4	-	-	-	50	50	-	23	23
NEW MEXICO-----	-	-	2	2	2	2	2	-	-	-	26	26	-	13	13
OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	23	24	24	8	32	-	-	-	275	325	50	12	14

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT	TOTAL					PERMANENT	TEMPO- RARY	TOTAL NFDL						
			TOTAL	PARTIAL											TOTAL	PARTIAL
PUMICE—CONTINUED: GRAND TOTAL OR AVERAGE: ARIZONA----- CALIFORNIA----- COLORADO----- IDAHO----- NEW MEXICO----- OREGON----- TOTAL OR AVERAGE-----	- - - - - - -	3 10 8 1 2 - 1	3 10 8 1 2 - 24	3 10 8 1 2 - 24	- 2 3 1 2 - 8	3 12 8 4 3 2 32	- - - - - - -	- - - 50 - - 50	52 131 66 50 26 - 325	- - - 50 - - 50	17 13 8 50 13 - 14	17 13 8 50 13 - 14				
SALT: UNDERGROUND MINES: UNDERGROUND: KANSAS----- LOUISIANA----- NEW YORK----- OHIO----- TEXAS----- TOTAL OR AVERAGE-----	- - - - - - -	3 14 12 8 4 41	3 14 12 8 4 41	3 14 12 8 4 41	2 11 5 5 3 27	5 25 17 14 7 68	- - - - - -	- - - - - -	142 282 233 127 24 808	- - - - - -	47 20 19 16 6 20	47 20 19 16 6 20				
SURFACE AT UNDERGROUND: KANSAS----- LOUISIANA----- NEW YORK----- OHIO----- TEXAS----- TOTAL OR AVERAGE-----	- - - - - -	1 6 12 7 1 27	1 6 12 7 1 27	1 6 12 7 1 27	4 2 3 7 2 18	5 8 15 14 3 45	- - - - - -	- - - - - -	9 224 229 87 55 604	- - - - - -	9 37 19 12 55 22	9 37 19 12 55 22				
TOTAL OR AVERAGE, LG: KANSAS----- LOUISIANA----- NEW YORK----- OHIO----- TEXAS----- TOTAL OR AVERAGE-----	- - - - - -	4 20 24 15 5 68	4 20 24 15 5 68	4 20 24 15 5 68	5 13 8 13 5 45	10 33 32 28 10 113	- - - - - -	- - - - - -	151 506 462 214 79 1,412	- - - - - -	38 25 19 14 16 21	38 25 19 14 16 21				
SURFACE MINES: DREIZE----- NEW MEXICO----- TOTAL OR AVERAGE-----	- - - -	1 1 1 1	1 1 1 1	1 1 1 1	- - - -	1 1 1 1	- - - -	- - - -	66 66 66 66	- - - -	66 66 66 66	- - - -	66 66 66 66			

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY					
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL				
		PERMANENT	TEMPO- RARY	TOTAL NFIDL				PERMANENT	TEMPO- RARY	TOTAL NFIDL								
															TOTAL	PARTIAL	TOTAL	PARTIAL
SALT-CONTINUED:																		
GRAND TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
KANSAS	-	-	32	-	32	62	30	-	-	-	-	-	-	18				
LOUISIANA	-	-	24	-	24	43	19	-	-	-	-	-	-	24				
NEW MEXICO	-	-	1	-	1	5	4	-	-	-	-	-	-	66				
NEW YORK	-	-	26	-	26	35	9	-	-	-	-	-	-	19				
OHIO	-	-	21	-	21	34	13	-	-	-	-	-	-	16				
TEXAS	-	-	10	-	10	23	13	-	-	-	-	-	-	16				
UTAH	-	-	3	-	3	3	-	-	-	-	-	-	-	30				
TOTAL OR AVERAGE:	-	-	117	-	117	205	88	-	-	-	-	-	-	20				
SHALE:																		
SURFACE MINES:																		
OPEN PIT:																		
ALABAMA	-	-	1	-	1	1	1	-	-	-	-	-	-	-				
CALIFORNIA	-	-	1	-	1	1	-	-	-	-	-	-	-	44				
COLORADO	-	-	1	-	1	1	-	-	-	-	-	-	-	35				
FLORIDA	-	-	-	-	-	1	1	-	-	-	-	-	-	-				
INDIANA	-	-	1	-	1	1	-	-	-	-	-	-	-	1				
MASSACHUSETTS	-	-	3	-	3	5	2	-	-	-	-	-	-	20				
TEXAS	-	-	1	-	1	3	1	-	-	-	-	-	-	2				
VIRGINIA	-	-	2	-	2	1	1	-	-	-	-	-	-	-				
TOTAL OR AVERAGE:	-	-	7	-	8	14	6	-	-	-	-	-	-	20				
TOTAL OR AVERAGE, SURFACE:																		
ALABAMA	-	-	-	-	-	1	1	-	-	-	-	-	-	-				
CALIFORNIA	-	-	1	-	1	1	-	-	-	-	-	-	-	44				
COLORADO	-	-	1	-	1	1	-	-	-	-	-	-	-	35				
FLORIDA	-	-	-	-	-	1	1	-	-	-	-	-	-	-				
INDIANA	-	-	1	-	1	1	-	-	-	-	-	-	-	1				
MASSACHUSETTS	-	-	3	-	3	5	2	-	-	-	-	-	-	20				
TEXAS	-	-	1	-	1	3	1	-	-	-	-	-	-	2				
VIRGINIA	-	-	-	-	-	1	1	-	-	-	-	-	-	-				
TOTAL OR AVERAGE:	-	-	7	-	8	14	6	-	-	-	-	-	-	20				
TOTAL OR AVERAGE, MINING:																		
ALABAMA	-	-	-	-	-	1	1	-	-	-	-	-	-	-				
CALIFORNIA	-	-	1	-	1	1	-	-	-	-	-	-	-	44				
COLORADO	-	-	1	-	1	1	-	-	-	-	-	-	-	35				
FLORIDA	-	-	-	-	-	1	1	-	-	-	-	-	-	-				
INDIANA	-	-	1	-	1	1	-	-	-	-	-	-	-	1				
MASSACHUSETTS	-	-	3	-	3	5	2	-	-	-	-	-	-	20				
TEXAS	-	-	1	-	1	3	1	-	-	-	-	-	-	2				
VIRGINIA	-	-	-	-	-	1	1	-	-	-	-	-	-	-				
TOTAL OR AVERAGE:	-	-	7	-	8	14	6	-	-	-	-	-	-	20				

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY						
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL				
		PERMANENT	TEMPO- RARY	TOTAL NFDL					PERMANENT	TEMPO- RARY	TOTAL NFDL								
																TOTAL	PARTIAL	TOTAL	PARTIAL
SHALE-CONTINUED: PROCESSING PLANTS: ALABAMA----- CALIFORNIA----- FLORIDA----- INDIANA----- MASSACHUSETTS----- NEW YORK----- OKLAHOMA----- TEXAS----- UTAH----- VIRGINIA----- TOTAL OR AVERAGE-----	- - - - - - - - - - -	- - 1 - - - - - - - 1	5 5 4 1 9 2 1 1 - 24	5 5 4 1 9 2 1 1 - 24	1 2 1 2 4 - 3 2 - 15	1 7 2 6 1 13 2 1 4 2 39	- - - - - - - - - -	- - - - - - - - - -	- 50 - - 198 22 4 17 - 50	46 50 21 14 198 22 4 17 - 372	- 50 - - - - - - 50 -	- 9 5 14 22 11 4 17 - 14	- 9 5 14 22 11 4 17 - 16						
MINES AND PLANTS: ALABAMA----- CALIFORNIA----- COLORADO----- FLORIDA----- INDIANA----- MASSACHUSETTS----- NEW YORK----- OKLAHOMA----- TEXAS----- UTAH----- VIRGINIA----- TOTAL OR AVERAGE-----	- - - - - - - - - - -	- - 1 - - - 1 - - - 2	6 6 1 5 4 9 2 3 1 32	6 6 1 5 4 9 2 3 1 32	2 2 2 2 4 4 1 3 3 21	2 8 1 3 7 6 13 2 4 4 3 53	- - - - - - - - - -	- - - - - - - - - -	- 50 - - 198 22 5 17 - 100	90 35 50 22 75 198 22 56 17 - 565	- 35 50 22 75 198 22 56 17 - 565	- 50 - - - - 50 - 100 -	- 15 35 4 19 22 11 3 17 - 16	- 15 35 50 4 19 22 11 19 17 - 18					
GRAND TOTAL OR AVERAGE: ALABAMA----- CALIFORNIA----- COLORADO----- FLORIDA----- INDIANA----- MASSACHUSETTS----- NEW YORK----- OKLAHOMA----- TEXAS----- UTAH----- VIRGINIA----- TOTAL OR AVERAGE-----	- - - - - - - - - - -	- - 1 - - - 1 - - - 2	6 6 1 5 4 9 2 3 1 32	6 6 1 5 4 9 2 3 1 32	2 2 2 2 4 4 1 3 3 21	2 8 1 3 7 6 13 2 4 4 3 53	- - - - - - - - - -	- - - - - - - - - -	- 50 - - 198 22 6 17 - 100	90 35 50 22 75 198 22 56 17 - 565	- 35 50 22 75 198 22 56 17 - 565	- 50 - - - - 50 - 100 -	- 15 35 4 19 22 11 3 17 - 16	- 15 35 50 4 19 22 11 19 17 - 18					

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION, AND STATE	NUMBER OF INJURIES						LOST HOURS					AVERAGE SEVERITY									
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL							
		PERMANENT	TEMPO- RARY					PERMANENT	TEMPO- RARY												
		TOTAL	TOTAL	PARTIAL				TOTAL	PARTIAL												
SODIUM COMPOUNDS: UNDERGROUND MINES: WYOMING----- TOTAL OR AVERAGE-----	-	1	54	55	55	67	-	-	50	1,472	1,522	50	27	28							
SURFACE AT UNDERGROUND: WYOMING----- TOTAL OR AVERAGE-----	-	-	1	1	1	2	-	-	-	6	6	-	6	6							
TOTAL OR AVERAGE-----	-	-	1	1	1	2	-	-	-	6	6	-	6	6							
TOTAL OR AVERAGE, LG: WYOMING----- TOTAL OR AVERAGE-----	-	1	55	56	56	69	-	-	50	1,478	1,528	50	27	27							
TOTAL OR AVERAGE-----	-	1	55	56	56	69	-	-	50	1,478	1,528	50	27	27							
TOTAL OR AVERAGE, MINING: WYOMING----- TOTAL OR AVERAGE-----	-	1	55	56	56	69	-	-	50	1,478	1,528	50	27	27							
TOTAL OR AVERAGE-----	-	1	55	56	56	69	-	-	50	1,478	1,528	50	27	27							
PROCESSING PLANTS: WYOMING----- TOTAL OR AVERAGE-----	-	2	47	49	49	67	-	-	210	1,533	1,749	105	33	36							
TOTAL OR AVERAGE-----	-	2	47	49	49	67	-	-	210	1,533	1,749	105	33	36							
TOTAL OR AVERAGE, ALL MINES AND PLANTS: WYOMING----- TOTAL OR AVERAGE-----	-	3	102	105	105	136	-	-	260	3,017	3,277	87	30	31							
TOTAL OR AVERAGE-----	-	3	102	105	105	136	-	-	260	3,017	3,277	87	30	31							
OFFICE: WYOMING----- TOTAL OR AVERAGE-----	-	-	2	2	2	4	-	-	-	24	24	-	12	12							
TOTAL OR AVERAGE-----	-	-	2	2	2	4	-	-	-	24	24	-	12	12							
GRAND TOTAL OR AVERAGE: WYOMING----- TOTAL OR AVERAGE-----	-	3	104	107	107	138	-	-	260	3,041	3,301	87	29	31							
TOTAL OR AVERAGE-----	-	3	104	107	107	138	-	-	260	3,041	3,301	87	29	31							

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONFEDERAL MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL				
TALC-SOAPSTONE, UNDERGROUND MINES: GEORGIA----- MONTANA----- NEW YORK----- VERMONT----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	1 2 2 4 9	1 2 2 4 9	1 2 2 4 9	- 1 1 1 3	1 3 3 5 12	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	85 10 16 3 16	85 10 16 3 16	
SURFACE AT UNDERGROUND: GEORGIA----- NEW YORK----- TOTAL OR AVERAGE-----	- - -	- - -	1 1 1	1 1 1	1 1 1	- 2 2	1 2 3	- - -	- - -	- - -	- - -	- - -	38 - 38	38 - 38	
TOTAL OR AVERAGE, UG: GEORGIA----- MONTANA----- NEW YORK----- VERMONT----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	2 2 2 4 10	2 2 2 4 10	2 2 2 4 10	- 1 3 1 5	2 3 5 5 15	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	123 20 31 12 186	123 20 31 12 186	
SURFACE MINES: OPEN PIT: MONTANA----- NEW YORK----- TEXAS----- VIRGINIA----- TOTAL OR AVERAGE-----	- - - - - -	- - - - - -	4 9 9 15	4 10 2 16	4 10 2 16	4 5 1 11	8 15 3 27	- - - -	- - - -	- 150 11 150	- - - -	- 150 - 150	191 516 11 718	191 516 11 718	
TOTAL OR AVERAGE, SURFACE: MONTANA----- NEW YORK----- TEXAS----- VIRGINIA----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	4 9 2 15	4 10 2 16	4 10 2 16	4 5 1 11	8 15 3 27	- - - -	- - - -	- 150 11 150	- - - -	- 150 - 150	191 516 11 718	191 516 11 718	

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION, AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL	
		PERMANENT	TEMPO- RARY	TOTAL NFIDL				TOTAL	PARTIAL						
ITALC-SOAPSTONE-CONTINUED: TOTAL OR AVERAGE, MINING: GEORGIA----- MONTANA----- NEW YORK----- TEXAS----- VERMONT----- VIRGINIA----- TOTAL OR AVERAGE-----	- - - - - - -	2 6 2 9 4 2 1	6 4 2 10 4 2 26	2 6 2 10 4 2 26	2 5 6 15 5 3 42	- - - - - - -	- - - - - - -	- - - - - - -	123 211 31 666 12 11 1,054	123 211 31 666 12 11 1,054	- - - - - - -	62 35 16 67 3 6 36	62 35 16 67 3 6 36	62 35 16 67 3 6 41	
PROCESSING PLANTS: ARKANSAS----- CALIFORNIA----- GEORGIA----- MONTANA----- NEW YORK----- NORTH CAROLINA----- TEXAS----- VERMONT----- VIRGINIA----- TOTAL OR AVERAGE-----	- - - - - - - - -	- 1 1 7 1 1 3 3 4 1	- 1 1 7 1 1 3 3 3 5	- 1 1 7 1 1 3 3 3 5	1 1 5 27 1 2 5 3 12 57	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- 3 1 219 3 5 49 49 316 645	- 3 1 219 3 5 49 49 316 645	- - - - - - - - -	- 3 1 31 3 5 16 16 4 16	- 3 1 31 3 5 16 16 4 16	- 3 1 31 3 5 16 16 4 16	- 3 1 31 3 5 16 16 4 29
ALL MINES AND PLANTS: ARKANSAS----- CALIFORNIA----- GEORGIA----- MONTANA----- NEW YORK----- NORTH CAROLINA----- TEXAS----- VERMONT----- VIRGINIA----- TOTAL OR AVERAGE-----	- - - - - - - - -	- 1 3 13 3 1 12 7 6 46	- 1 3 13 3 1 13 7 7 48	- 1 3 13 3 1 13 7 7 48	1 7 38 7 2 20 8 15 99	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- 3 124 430 34 5 715 61 327 1,699	- 3 124 430 34 5 715 61 327 1,699	- - - - - - - - -	- 3 41 33 11 5 47 9 4 27	- 3 41 33 11 5 47 9 4 27	- 3 41 33 11 5 47 9 4 27	- 3 41 33 11 5 47 9 4 35
GRAND TOTAL OR AVERAGE: ARKANSAS----- CALIFORNIA----- GEORGIA----- MONTANA----- NEW YORK----- NORTH CAROLINA----- TEXAS----- VERMONT----- VIRGINIA----- TOTAL OR AVERAGE-----	- - - - - - - - -	- 1 3 13 3 1 12 7 6 2	- 1 3 13 3 1 13 7 7 48	- 1 3 13 3 1 13 7 7 48	1 7 38 7 2 20 8 15 99	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- 3 124 430 34 5 715 61 327 1,699	- 3 124 430 34 5 715 61 327 1,699	- - - - - - - - -	- 3 41 33 11 5 47 9 4 27	- 3 41 33 11 5 47 9 4 27	- 3 41 33 11 5 47 9 4 27	- 3 41 33 11 5 47 9 4 35

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONFATAL MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL					TOTAL	TEMPO- RARY	TOTAL NFDL					
VERMICULITE PROCESSING PLANTS:																
-	-	-	2	2	1	3	-	-	-	131	131	-	66	66	5	5
-	-	-	5	5	6	11	-	-	-	27	27	-	5	5	23	23
-	-	-	7	7	7	14	-	-	-	158	158	-	-	-	-	-
TOTAL OR AVERAGE-----																
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																
-	-	-	2	2	1	3	-	-	-	131	131	-	66	66	5	5
-	-	-	5	5	6	11	-	-	-	27	27	-	5	5	23	23
-	-	-	7	7	7	14	-	-	-	158	158	-	-	-	-	-
TOTAL OR AVERAGE-----																
GRAND TOTAL OR AVERAGE:																
-	-	-	2	2	1	3	-	-	-	131	131	-	66	66	5	5
-	-	-	5	5	6	11	-	-	-	27	27	-	5	5	23	23
-	-	-	7	7	7	14	-	-	-	158	158	-	-	-	-	-
TOTAL OR AVERAGE-----																
MOLYBDENITE-STEAROLITE:																
-	-	-	1	1	2	3	-	-	-	21	21	-	21	21	-	21
-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	1	1	3	4	-	-	-	21	21	-	21	21	-	21
TOTAL OR AVERAGE-----																
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																
-	-	-	1	1	2	3	-	-	-	21	21	-	21	21	-	21
-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	1	1	3	4	-	-	-	21	21	-	21	21	-	21
TOTAL OR AVERAGE-----																
GRAND TOTAL OR AVERAGE:																
-	-	-	1	1	2	3	-	-	-	21	21	-	21	21	-	21
-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	1	1	3	4	-	-	-	21	21	-	21	21	-	21
TOTAL OR AVERAGE-----																
OTHER NONFATAL, NEC:																
UNDERGROUND MINES:																
-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----																

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL INJURIES	NOL	TOTAL FATAL AND NFDL	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL					PARTIAL						
-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE----																
SURFACE MINES:																
OPEN PIT:																
-	-	-	1	1	1	-	1	-	-	-	13	13	-	-	13	13
-	-	-	1	1	1	3	4	-	-	-	1	1	-	-	1	1
-	-	-	1	1	1	3	4	-	-	-	2	2	-	-	2	2
-	-	-	1	1	1	-	1	-	-	-	35	35	-	-	35	35
-	-	-	1	1	1	-	1	-	-	-	51	51	-	-	13	13
TOTAL OR AVERAGE----																
TOTAL OR AVERAGE, SURFACE:																
-	-	-	1	1	1	-	1	-	-	-	13	13	-	-	13	13
-	-	-	1	1	1	3	4	-	-	-	1	1	-	-	1	1
-	-	-	1	1	1	3	4	-	-	-	2	2	-	-	2	2
-	-	-	1	1	1	-	1	-	-	-	35	35	-	-	35	35
-	-	-	4	4	4	5	10	-	-	-	51	51	-	-	13	13
TOTAL OR AVERAGE----																
TOTAL OR AVERAGE, MINING:																
-	-	-	1	1	1	-	1	-	-	-	13	13	-	-	13	13
-	-	-	1	1	1	3	4	-	-	-	1	1	-	-	1	1
-	-	-	1	1	1	3	4	-	-	-	2	2	-	-	2	2
-	-	-	1	1	1	-	1	-	-	-	35	35	-	-	35	35
-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
-	-	-	4	4	4	7	11	-	-	-	51	51	-	-	13	13
TOTAL OR AVERAGE----																

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1985 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TOTAL					TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFDL
			TOTAL	PARTIAL											
OTHER NONFELS NEC-CONTINUED: PROCESSING PLANTS:															
ARIZONA-----	-	-	-	-	2	1	-	-	-	22	22	-	11	11	
ARKANSAS-----	-	-	-	-	4	4	-	-	135	717	852	135	17	19	
CALIFORNIA-----	-	-	-	-	4	4	-	-	-	104	104	-	28	28	
COLORADO-----	-	-	-	-	4	4	-	-	-	62	62	-	62	62	
CONNECTICUT-----	-	-	-	-	4	4	-	-	-	30	30	-	10	10	
IDAHO-----	-	-	-	-	4	4	-	-	-	365	365	-	15	15	
ILLINOIS-----	-	-	-	-	2	2	-	-	50	197	207	50	19	19	
NEVADA-----	-	-	-	-	2	2	-	-	-	62	62	-	62	62	
NEW JERSEY-----	-	-	-	-	11	11	-	-	-	23	23	-	10	10	
NEW YORK-----	-	-	-	-	10	10	-	-	-	10	10	-	10	10	
NORTH CAROLINA-----	-	-	-	-	6	6	-	-	-	95	95	-	16	16	
OREGON-----	-	-	-	-	10	10	-	-	-	1,355	2,080	92	17	18	
PENNSYLVANIA-----	-	-	-	-	6	6	-	-	-	-	-	-	-	-	
TEXAS-----	-	-	-	-	6	6	-	-	-	-	-	-	-	-	
WASHINGTON-----	-	-	-	-	6	6	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	2	114	116	167	-	185	-	1,355	2,080	92	17	18	
TOTAL OR AVERAGE ALL MINES AND PLANTS:															
ARIZONA-----	-	-	-	-	2	1	-	-	-	22	22	-	11	11	
ARKANSAS-----	-	-	-	-	4	4	-	-	135	718	853	135	17	19	
CALIFORNIA-----	-	-	-	-	4	4	-	-	-	104	104	-	28	28	
COLORADO-----	-	-	-	-	4	4	-	-	-	64	64	-	64	64	
CONNECTICUT-----	-	-	-	-	4	4	-	-	-	30	30	-	10	10	
IDAHO-----	-	-	-	-	4	4	-	-	-	400	400	-	16	16	
ILLINOIS-----	-	-	-	-	2	2	-	-	50	197	247	50	19	19	
NEVADA-----	-	-	-	-	2	2	-	-	-	207	207	-	19	19	
NEW JERSEY-----	-	-	-	-	11	11	-	-	-	62	62	-	62	62	
NEW YORK-----	-	-	-	-	10	10	-	-	-	23	23	-	10	10	
NORTH CAROLINA-----	-	-	-	-	6	6	-	-	-	10	10	-	10	10	
OREGON-----	-	-	-	-	10	10	-	-	-	95	95	-	16	16	
PENNSYLVANIA-----	-	-	-	-	6	6	-	-	-	-	-	-	-	-	
TEXAS-----	-	-	-	-	6	6	-	-	-	-	-	-	-	-	
WASHINGTON-----	-	-	-	-	6	6	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	2	118	120	178	-	185	-	1,346	2,131	92	18	18	
OFFICE:															
ILLINOIS-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
OREGON-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	LOST WORKDAYS				AVERAGE SEVERITY							
	FATAL	NFDL			TOTAL FATAL AND NFDL			NOL	TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL				
		TOTAL	PERMANENT	TOTAL												TOTAL FATAL AND NFDL			
																	TOTAL	TOTAL	TOTAL
OTHER NONFUELS NEC-CONTINUED: GRAND TOTAL OR AVERAGE:																			
ARIZONA-----	-	-	2	2	2	1	3	-	-	-	-	-	22	11	11				
ARKANSAS-----	-	-	44	45	45	31	75	-	-	-	-	-	14	7	19				
CALIFORNIA-----	-	-	4	5	9	1	10	-	-	-	-	-	853	15	26				
COLORADO-----	-	-	2	2	4	1	5	-	-	-	-	-	104	26	30				
CONNECTICUT-----	-	-	2	2	4	1	5	-	-	-	-	-	54	30	40				
DELAWARE-----	-	-	2	2	4	1	5	-	-	-	-	-	30	19	15				
ILLINOIS-----	-	-	26	26	52	26	78	-	-	-	-	-	400	124	15				
INDIANA-----	-	-	1	1	2	1	3	-	-	-	-	-	247	50	197				
NEW JERSEY-----	-	-	11	11	22	1	23	-	-	-	-	-	207	19	19				
NEW YORK-----	-	-	13	13	26	1	27	-	-	-	-	-	52	-	52				
NORTH CAROLINA-----	-	-	13	13	26	1	27	-	-	-	-	-	33	-	33				
OREGON-----	-	-	2	2	4	1	5	-	-	-	-	-	10	-	10				
PENNSYLVANIA-----	-	-	2	2	4	1	5	-	-	-	-	-	55	-	55				
TEXAS-----	-	-	2	2	4	1	5	-	-	-	-	-	2	-	2				
WASHINGTON-----	-	-	2	2	4	1	5	-	-	-	-	-	131	92	16				
TOTAL OR AVERAGE-----	-	-	118	120	238	80	318	-	-	-	-	-	2,131	325	569				
ALL NONMETALLIC MINERALS: UNDERGROUND MINES:																			
CALIFORNIA-----	-	-	7	7	14	1	15	-	-	-	-	-	3	3	6				
COLORADO-----	-	-	8	8	16	1	17	-	-	-	-	-	3	3	6				
GEORGIA-----	-	-	1	1	2	1	3	-	-	-	-	-	7	7	14				
ILLINOIS-----	-	-	1	1	2	1	3	-	-	-	-	-	142	47	47				
INDIANA-----	-	-	1	1	2	1	3	-	-	-	-	-	283	20	20				
IOWA-----	-	-	1	1	2	1	3	-	-	-	-	-	6	2	2				
KANSAS-----	-	-	1	1	2	1	3	-	-	-	-	-	81	7	7				
LOUISIANA-----	-	-	1	1	2	1	3	-	-	-	-	-	1	1	2				
MICHIGAN-----	-	-	1	1	2	1	3	-	-	-	-	-	142	47	47				
MONTANA-----	-	-	1	1	2	1	3	-	-	-	-	-	283	20	20				
NEW MEXICO-----	-	-	1	1	2	1	3	-	-	-	-	-	3	3	6				
NEW YORK-----	-	-	1	1	2	1	3	-	-	-	-	-	7	7	14				
OHIO-----	-	-	1	1	2	1	3	-	-	-	-	-	1,862	47	47				
UTAH-----	-	-	1	1	2	1	3	-	-	-	-	-	255	13	13				
VERMONT-----	-	-	1	1	2	1	3	-	-	-	-	-	139	13	13				
VIRGINIA-----	-	-	1	1	2	1	3	-	-	-	-	-	24	4	4				
WYOMING-----	-	-	1	1	2	1	3	-	-	-	-	-	20	4	4				
TOTAL OR AVERAGE-----	-	-	181	183	364	178	542	-	-	-	-	-	1,822	325	569				

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		TOTAL	PERMANENT	TEMPO- RARY					TOTAL NFDL								
TOTAL	PARTIAL																
ALL NONMETALLIC-CONTINUED: SURFACE AT UNDERGROUND:																	
COLORADO-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	38	38
GEORGIA-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	9	9
ILLINOIS-----	-	-	-	-	-	1	4	-	-	-	-	-	-	-	-	37	37
KANSAS-----	-	-	-	-	-	1	5	-	-	-	-	-	-	-	-	224	224
LOUISIANA-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	37	37
MONTANA-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	316	316
NEW MEXICO-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	229	229
NEW YORK-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	87	87
OHIO-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	55	55
TEXAS-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	6	6
WYOMING-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	1,001	1,001
TOTAL OR AVERAGE-----	-	-	-	-	-	37	33	-	-	-	-	-	-	-	-	27	27
TOTAL OR AVERAGE U.S.-----	-	-	-	-	-	70	70	-	-	-	-	-	-	-	-	27	27
CALIFORNIA-----	-	-	-	-	-	1	5	-	-	-	-	-	-	-	-	3	3
COLORADO-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	56	56
GEORGIA-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	123	123
ILLINOIS-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	79	79
INDIANA-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-
KANSAS-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	151	151
LOUISIANA-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	506	506
MICHIGAN-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	2	2
MONTANA-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	121	121
NEW MEXICO-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	2,198	2,198
NEW YORK-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	493	493
OHIO-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	226	226
TEXAS-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	79	79
UTAH-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	20	20
VERMONT-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	12	12
VIRGINIA-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	688	688
WYOMING-----	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	500	500
TOTAL OR AVERAGE-----	2	2	218	220	222	211	211	-	-	-	-	-	-	-	-	1,478	1,528
TOTAL OR AVERAGE-----	2	2	218	220	222	211	211	-	-	-	-	-	-	-	-	5,556	6,206
TOTAL OR AVERAGE-----	2	2	218	220	222	211	211	-	-	-	-	-	-	-	-	18,206	18,206

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TOTAL					TOTAL	PARTIAL	TOTAL				
		TOTAL	PARTIAL												
ALL NONMETALLIC-CONTINUED: SURFACE MINES: OPEN PIT:															
ALABAMA	-	-	-	3	3	5	3	-	-	-	-	14	-	5	5
ARIZONA	1	3	2	3	2	3	5	6,000	-	-	-	52	-	17	17
ARKANSAS	-	20	8	28	1	28	28	-	-	-	-	6,053	-	2,018	2,018
CALIFORNIA	-	1	-	1	-	1	1	-	-	-	-	299	-	15	15
COLORADO	-	1	-	1	-	1	1	-	-	-	-	35	-	35	35
CONNECTICUT	-	68	43	111	-	111	111	-	-	-	-	20	-	20	20
FLORIDA	-	29	31	60	-	60	60	-	-	-	-	2,637	637	20	20
GEORGIA	-	21	15	36	-	36	36	-	-	-	-	592	-	11	11
IDAHO	-	1	-	1	-	1	1	-	-	-	-	421	-	20	20
ILLINOIS	-	1	-	1	-	1	1	-	-	-	-	1	-	1	1
INDIANA	-	2	-	2	-	2	2	-	-	-	-	18	-	18	18
IOWA	-	3	2	5	-	5	5	-	-	-	-	2	-	2	2
KENTUCKY	-	2	-	2	-	2	2	-	-	-	-	61	-	20	20
MASSACHUSETTS	-	1	-	1	-	1	1	-	-	-	-	21	-	10	10
MICHIGAN	-	4	4	8	-	8	8	-	-	-	-	40	-	40	40
MISSISSIPPI	-	7	2	9	-	9	9	-	-	-	-	191	-	48	48
MONTANA	-	4	6	10	-	10	10	-	-	-	-	365	-	52	52
NEBRASKA	-	4	1	5	-	5	5	-	-	-	-	14	-	4	4
NEVADA	-	20	12	32	-	32	32	-	-	-	-	832	800	42	42
NEW MEXICO	-	5	-	5	-	5	5	-	-	-	-	5	-	2	2
NEW YORK	-	1	-	1	-	1	1	-	-	-	-	215	-	36	36
NORTH CAROLINA	-	6	11	17	-	17	17	-	-	-	-	1	-	1	1
OHIO	-	1	-	1	-	1	1	-	-	-	-	171	-	34	34
OKLAHOMA	-	2	-	2	-	2	2	-	-	-	-	32	-	32	32
OREGON	-	6	5	11	-	11	11	-	-	-	-	215	-	82	82
PENNSYLVANIA	-	1	-	1	-	1	1	-	-	-	-	1	-	1	1
SOUTH CAROLINA	-	5	-	5	-	5	5	-	-	-	-	171	-	34	34
SOUTH DAKOTA	-	1	-	1	-	1	1	-	-	-	-	32	-	32	32
TENNESSEE	-	2	10	12	-	12	12	-	-	-	-	215	50	72	72
TEXAS	-	18	28	46	-	46	46	-	-	-	-	852	100	58	58
UTAH	-	1	1	2	-	2	2	-	-	-	-	1,052	100	53	53
VERMONT	-	1	2	3	-	3	3	-	-	-	-	23	-	23	23
VIRGINIA	-	2	4	6	-	6	6	-	-	-	-	11	-	6	6
WYOMING	-	5	4	9	-	9	9	-	-	-	-	41	-	8	8
TOTAL OR AVERAGE	1	230	237	238	155	393	393	6,000	-	2,760	4,674	7,434	394	20	56
DREDGE:															
NEW MEXICO	-	1	1	2	-	2	2	-	-	-	-	36	-	66	66
NORTH CAROLINA	-	3	3	6	-	6	6	-	-	-	-	35	-	12	12
TOTAL OR AVERAGE	-	4	4	8	3	7	7	-	-	-	-	101	-	25	25

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NOL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL
		TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFIDL						
										TOTAL	PARTIAL				
ALL NONMETALLIC CONTINUED: TOTAL OR AVERAGE, SURFACE:															
ALABAMA	-	-	-	3	3	2	5	-	-	-	14	-	5	5	5
ARIZONA	-	-	-	3	3	3	5	5,000	-	-	52	-	17	17	17
ARKANSAS	-	-	-	2	2	3	28	-	-	-	53	-	26	26	2,018
CALIFORNIA	-	-	-	20	20	1	1	-	-	-	299	-	35	35	35
COLORADO	-	-	-	1	1	1	1	-	-	-	35	-	35	35	35
CONNECTICUT	-	-	-	1	1	1	1	-	-	-	20	-	20	20	20
FLORIDA	-	-	-	68	68	43	111	-	-	-	727	-	11	11	39
GEORGIA	-	-	-	29	29	31	60	-	-	-	582	-	20	20	20
IDAHO	-	-	-	21	21	15	36	-	-	-	421	-	20	20	20
ILLINOIS	-	-	-	1	1	1	1	-	-	-	1	-	1	1	1
INDIANA	-	-	-	1	1	1	1	-	-	-	18	-	18	18	18
IOWA	-	-	-	2	2	2	3	-	-	-	2	-	2	2	2
KENTUCKY	-	-	-	3	3	2	5	-	-	-	61	-	20	20	20
MASSACHUSETTS	-	-	-	2	2	1	3	-	-	-	21	-	10	10	10
MICHIGAN	-	-	-	1	1	1	2	-	-	-	40	-	40	40	40
MINNESOTA	-	-	-	4	4	4	8	-	-	-	191	-	48	48	48
MISSISSIPPI	-	-	-	7	7	5	11	-	-	-	365	-	52	52	52
MONTANA	-	-	-	5	5	1	6	-	-	-	80	-	16	16	16
NEVADA	-	-	-	23	23	15	38	-	-	-	867	-	38	38	38
NEW MEXICO	-	-	-	2	2	5	7	-	-	-	5	-	2	2	2
NEW YORK	-	-	-	22	22	1	23	-	-	-	215	-	36	36	36
NORTH CAROLINA	-	-	-	6	6	1	7	-	-	-	1	-	1	1	1
OHIO	-	-	-	1	1	1	2	-	-	-	171	-	34	34	34
OKLAHOMA	-	-	-	5	5	1	6	-	-	-	32	-	32	32	32
OREGON	-	-	-	1	1	1	2	-	-	-	215	-	82	82	82
PENNSYLVANIA	-	-	-	3	3	1	4	-	-	-	50	-	50	50	50
SOUTH CAROLINA	-	-	-	18	18	10	28	-	-	-	1,052	-	100	100	100
SOUTH DAKOTA	-	-	-	1	1	1	2	-	-	-	23	-	23	23	23
TENNESSEE	-	-	-	1	1	1	2	-	-	-	11	-	11	11	11
TEXAS	-	-	-	2	2	4	6	-	-	-	41	-	41	41	41
UTAH	-	-	-	1	1	1	2	-	-	-	1	-	1	1	1
VERMONT	-	-	-	5	5	4	9	-	-	-	13,535	-	394	394	394
VIRGINIA	-	-	-	234	241	158	400	5,000	-	-	7,535	-	20	20	20
WORKING	-	-	-	7	241	158	400	5,000	-	-	7,535	-	20	20	20
TOTAL OR AVERAGE	1	7	234	241	242	158	400	5,000	-	-	7,535	-	20	20	20

TABLE 7. - NUMBER OF INJURIES, LOST HOLIDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST HOLIDAYS					AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL					
ALL NONMETALLIC-CONTINUED:																
TOTAL OR AVERAGE, MINING:																
ALABAMA	-	-	3	3	3	2	5	6,000	-	14	14	5	-	17	5	5
ARIZONA	-	-	3	3	3	2	5	-	-	52	52	17	-	26	17	2,018
ARKANSAS	-	-	2	2	2	3	5	-	-	53	53	26	-	14	14	14
CALIFORNIA	-	-	21	21	21	8	29	-	-	302	302	11	-	11	11	11
COLORADO	-	-	8	8	8	13	21	-	-	91	91	20	-	20	20	20
CONNECTICUT	-	-	1	1	1	1	1	-	-	20	20	20	-	11	11	11
FLORIDA	-	3	65	65	68	43	111	-	1,910	727	2,637	39	637	23	23	23
GEORGIA	-	-	31	31	31	31	62	-	-	715	715	20	-	20	20	20
IDAHO	-	-	21	21	21	15	36	-	-	421	421	10	-	10	10	10
ILLINOIS	-	-	8	8	8	4	12	-	-	79	79	1	-	1	1	1
INDIANA	-	-	1	1	1	3	4	-	-	1	1	18	-	18	18	18
IOWA	-	-	4	4	4	7	11	-	-	18	18	38	-	38	38	38
KANSAS	-	-	2	2	2	13	33	-	-	151	151	2	-	2	2	2
KENTUCKY	-	-	20	20	20	2	5	-	-	506	506	25	-	25	25	25
LOUISIANA	-	-	3	3	3	1	4	-	-	61	61	8	-	8	8	8
MASSACHUSETTS	-	-	3	3	3	1	2	-	-	23	23	40	-	40	40	40
MICHIGAN	-	-	1	1	1	14	32	-	-	40	40	17	-	17	17	17
MISSISSIPPI	-	-	18	18	18	2	9	-	-	312	312	52	-	52	52	52
MONTANA	-	-	7	7	7	55	107	6,000	-	365	365	45	-	45	45	45
NEVADA	-	-	51	51	52	19	45	-	-	2,278	2,278	19	-	19	19	19
NEW MEXICO	1	-	26	26	26	15	38	-	-	493	493	12	-	12	12	12
NEW YORK	-	-	23	23	23	13	33	-	600	867	867	36	600	36	36	36
NORTH CAROLINA	-	1	20	20	20	5	11	-	-	215	215	1	-	1	1	1
OHIO	-	-	6	6	6	1	1	-	-	1	1	34	-	34	34	34
OKLAHOMA	-	-	1	1	1	1	1	-	-	171	171	22	-	22	22	22
OREGON	-	-	1	1	1	1	1	-	-	32	32	82	-	82	82	82
PENNSYLVANIA	-	-	1	1	1	1	1	-	-	155	155	44	-	44	44	44
SOUTH CAROLINA	-	-	1	1	1	1	1	-	-	215	215	7	-	7	7	7
SOUTH DAKOTA	-	-	23	23	23	16	39	-	50	1,131	1,131	5	50	5	5	5
TENNESSEE	-	2	5	5	5	3	8	-	200	20	20	4	100	4	4	4
TEXAS	-	-	5	5	5	3	8	-	-	35	35	7	-	7	7	7
UTAH	-	-	5	5	5	3	8	-	-	600	600	5	-	5	5	5
VERMONT	-	-	4	4	4	73	134	-	50	1,519	1,569	25	-	25	25	25
VIRGINIA	1	-	61	61	61	61	83	-	-	13,741	13,741	379	-	379	379	379
WASHINGTON	-	-	9	9	9	369	833	18,000	-	10,331	10,331	23	-	23	23	23
TOTAL OR AVERAGE	3	9	452	461	464	369	833	-	-	-	-	-	-	-	-	-
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL. WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFDL	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY
		TOTAL	PARTIAL	TOTAL				PARTIAL	TOTAL	PARTIAL			
ALL NONMETALLIC-CONTINUED: PROCESSING PLANTS:													
ALABAMA	-	16	-	-	16	9	-	-	-	112	112	-	7
ALASKA	-	3	-	-	3	2	-	-	-	29	29	-	10
ARIZONA	-	1	-	-	1	3	-	-	-	1	1	-	1
ARKANSAS	-	63	-	-	64	47	-	-	-	1,048	1,048	135	17
CALIFORNIA	-	8	-	-	8	8	-	-	-	86	86	-	8
COLORADO	-	8	-	-	8	1	-	-	-	137	137	-	17
CONNECTICUT	-	8	-	-	8	9	-	-	-	1,456	1,456	175	26
FLORIDA	-	43	-	-	45	57	-	-	-	1,108	1,108	-	12
GEORGIA	-	139	-	-	141	202	-	-	-	1,766	1,766	50	30
IDAHO	-	8	-	-	9	6	-	-	-	273	273	-	27
ILLINOIS	-	30	-	-	30	27	-	-	-	812	812	-	5
INDIANA	-	4	-	-	4	3	-	-	-	21	21	-	65
IOWA	-	3	-	-	3	3	-	-	-	207	207	-	15
KANSAS	-	32	-	-	32	26	-	-	-	462	462	200	34
KENTUCKY	-	1	-	-	1	4	-	-	-	509	509	-	20
LOUISIANA	-	12	-	-	12	9	-	-	-	243	243	-	14
MASSACHUSETTS	-	1	-	-	1	1	-	-	-	14	14	-	26
MISSISSIPPI	-	11	-	-	12	24	-	-	-	311	311	-	8
MISSOURI	-	18	-	-	18	8	-	-	-	141	141	-	33
MONTANA	-	9	-	-	9	21	-	-	-	350	350	-	30
NEVADA	-	41	-	-	41	5	-	-	-	1,238	1,238	-	157
NEW JERSEY	-	1	-	-	2	2	-	-	-	50	50	50	24
NEW MEXICO	1	41	-	-	42	34	6,000	-	-	1,167	1,209	-	17
NEW YORK	-	25	-	-	25	5	-	-	-	435	435	-	26
NORTH CAROLINA	-	37	-	-	37	28	-	-	-	945	945	-	30
OHIO	-	8	-	-	8	2	-	-	-	206	206	-	26
OKLAHOMA	-	3	-	-	3	2	-	-	-	28	28	-	9
OREGON	-	10	-	-	10	2	-	-	-	62	62	-	6
PENNSYLVANIA	-	5	-	-	5	1	-	-	-	23	23	-	6
SOUTH CAROLINA	-	18	-	-	18	18	-	-	-	115	115	50	30
SOUTH DAKOTA	-	1	-	-	1	3	-	-	-	50	50	900	57
TENNESSEE	-	31	-	-	32	21	-	-	-	1,826	1,826	-	11
TEXAS	-	32	-	-	33	15	-	-	-	358	358	50	21
UTAH	-	11	-	-	11	4	-	-	-	236	236	-	16
VERMONT	-	3	-	-	3	7	-	-	-	49	49	133	28
VIRGINIA	-	18	-	-	21	19	-	-	-	579	579	-	15
WASHINGTON	-	6	-	-	6	3	-	-	-	95	95	-	34
WYOMING	-	79	-	-	82	83	-	-	-	2,828	2,828	270	26
TOTAL OR AVERAGE	1	785	19	-	805	723	6,000	-	-	15,467	24,652	171	31

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL NFDL						
									TOTAL	PARTIAL				
ALL NONMETALLIC-CONTINUED: TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	19	19	19	30	-	-	-	126	126	-	7	7
ALABAMA	-	-	6	6	6	8	6,000	-	-	81	81	-	14	14
ALASKA	1	-	3	3	3	9	-	-	-	54	54	-	1,514	1,514
ARIZONA	-	-	85	85	85	140	-	-	-	1,485	1,485	-	10	10
ARKANSAS	-	1	16	16	16	22	-	135	-	157	157	135	17	17
CALIFORNIA	-	-	9	9	9	10	-	-	-	157	157	-	10	10
COLORADO	-	-	113	113	113	208	-	-	-	1,835	1,835	-	36	36
CONNECTICUT	-	5	172	172	172	405	-	-	-	2,331	2,331	-	14	14
FLORIDA	-	2	30	30	30	51	-	-	-	2,481	2,481	-	75	75
GEORGIA	-	1	38	38	38	69	-	-	-	594	594	-	23	23
IDAH0	-	-	5	5	5	11	-	-	-	891	891	-	4	4
ILLINOIS	-	-	4	4	4	9	-	-	-	22	22	-	55	55
INDIANA	-	-	36	36	36	69	-	-	-	533	533	-	18	18
IOWA	-	-	12	12	12	17	-	-	-	311	311	-	23	23
KANSAS	-	1	32	32	32	54	-	200	-	749	749	-	19	19
KENTUCKY	-	-	4	4	4	6	-	-	-	75	75	-	8	8
LOUISIANA	-	-	3	3	3	4	-	-	-	23	23	-	25	25
MASSACHUSETTS	-	-	13	13	13	38	-	50	-	351	351	-	8	8
MICHIGAN	-	1	18	18	18	26	-	-	-	141	141	-	25	25
MISSISSIPPI	-	-	27	27	27	55	-	-	-	662	662	-	33	33
MISSOURI	-	-	48	48	48	77	-	-	-	1,603	1,603	-	124	124
MONTANA	-	-	2	2	2	2	-	50	-	247	247	-	166	166
NEBRASKA	-	-	92	92	92	183	-	50	-	3,495	3,495	-	38	38
NEW JERSEY	2	1	51	51	51	75	12,000	-	-	928	928	-	18	18
NEW MEXICO	-	-	60	60	60	103	-	-	-	1,812	1,812	-	30	30
NEW YORK	-	1	28	28	28	43	-	-	-	437	437	-	16	16
NORTH CAROLINA	-	-	9	9	9	14	-	-	-	243	243	-	27	27
OHIO	-	-	10	10	10	13	-	-	-	62	62	-	6	6
OKLAHOMA	-	-	6	6	6	7	-	-	-	24	24	-	4	4
OREGON	-	-	23	23	23	41	-	-	-	286	286	-	12	12
PENNSYLVANIA	-	1	2	2	2	3	-	50	-	32	32	-	32	32
SOUTH CAROLINA	-	1	35	35	35	57	-	950	-	2,041	2,041	-	41	41
SOUTH DAKOTA	-	2	56	56	56	104	-	250	-	1,489	1,489	-	58	58
TENNESSEE	-	3	16	16	16	39	-	-	-	256	256	-	27	27
TEXAS	-	3	8	8	8	15	-	-	-	84	84	-	16	16
UTAH	-	-	28	28	28	51	-	-	-	199	199	-	10	10
VERMONT	-	-	6	6	6	9	-	1,000	-	95	95	-	9	9
VIRGINIA	1	-	143	143	143	299	-	860	-	3,537	3,537	-	25	25
WASHINGTON	-	4	1,238	1,265	1,270	2,363	24,000	-	-	6,655	6,655	-	21	21
WYOMING	-	-	28	28	28	1,093	-	-	-	32,393	32,393	-	44	44
TOTAL OR AVERAGE	4		1,238	1,265	1,270	2,363	24,000			25,738	56,393	238	44	44

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL				TOTAL	PERMANENT	PARTIAL					TOTAL
ALL NONMETALLIC-CONTINUED:															
OFFICE:															
GEORGIA-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
ILLINOIS-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
IOWA-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
KENTUCKY-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
LOUISIANA-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
OREGON-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TEXAS-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
UTAH-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
WYOMING-----	-	-	-	-	-	4	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	9	-	-	-	-	-	-	-	-	

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST HOURS				AVERAGE SEVERITY								
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY						
		TOTAL	PERMANENT	TEMPO- RARY				TOTAL	PERMANENT	TEMPO- RARY									
ALL NONMETALLIC CONTINUED: GRAND TOTAL OR AVERAGE:																			
ALABAMA	-	19	6	3	19	30	-	-	-	126	126	-	7						
ALASKA	1	6	3	3	6	8	5,000	-	-	81	81	-	14						
ARIZONA	-	84	16	9	85	140	-	-	-	54	54	-	1514						
ARKANSAS	-	16	9	1	16	22	-	125	-	1,485	1,485	125	16						
CALIFORNIA	-	108	170	113	113	208	-	-	-	157	157	-	10						
COLORADO	-	5	2	5	5	406	-	2,260	-	1,835	4,095	452	17						
CONNECTICUT	-	28	38	30	30	234	-	150	-	2,481	2,481	452	36						
FLORIDA	-	28	38	30	30	51	-	50	-	684	684	50	14						
GEORGIA	-	28	38	30	30	70	-	-	-	891	891	-	23						
IDaho	-	3	3	3	3	11	-	-	-	22	22	-	23						
ILLINOIS	-	36	11	32	36	10	-	-	-	22	22	-	4						
INDIANA	-	36	11	32	36	10	-	-	-	22	22	-	56						
IOWA	-	36	11	32	36	10	-	-	-	22	22	-	18						
KANSAS	-	36	11	32	36	10	-	-	-	22	22	-	43						
KENTUCKY	-	36	11	32	36	10	-	-	-	22	22	-	23						
LOUISIANA	-	36	11	32	36	10	-	-	-	22	22	-	19						
MAINE	-	36	11	32	36	10	-	-	-	22	22	-	8						
MASSACHUSETTS	-	36	11	32	36	10	-	-	-	22	22	-	27						
MICHIGAN	-	36	11	32	36	10	-	-	-	22	22	-	8						
MINNESOTA	-	36	11	32	36	10	-	-	-	22	22	-	2						
MISSISSIPPI	-	36	11	32	36	10	-	-	-	22	22	-	2						
MISSOURI	-	36	11	32	36	10	-	-	-	22	22	-	2						
MONTANA	-	36	11	32	36	10	-	-	-	22	22	-	2						
NEVADA	-	36	11	32	36	10	-	-	-	22	22	-	2						
NEW JERSEY	-	36	11	32	36	10	-	-	-	22	22	-	2						
NEW MEXICO	-	36	11	32	36	10	-	-	-	22	22	-	2						
NEW YORK	-	36	11	32	36	10	-	-	-	22	22	-	2						
NORTH CAROLINA	-	36	11	32	36	10	-	-	-	22	22	-	2						
OHIO	-	36	11	32	36	10	-	-	-	22	22	-	2						
OKLAHOMA	-	36	11	32	36	10	-	-	-	22	22	-	2						
OREGON	-	36	11	32	36	10	-	-	-	22	22	-	2						
PENNSYLVANIA	-	36	11	32	36	10	-	-	-	22	22	-	2						
SOUTH CAROLINA	-	36	11	32	36	10	-	-	-	22	22	-	2						
SOUTH DAKOTA	-	36	11	32	36	10	-	-	-	22	22	-	2						
TENNESSEE	-	36	11	32	36	10	-	-	-	22	22	-	2						
TEXAS	-	36	11	32	36	10	-	-	-	22	22	-	2						
UTAH	-	36	11	32	36	10	-	-	-	22	22	-	2						
VERMONT	-	36	11	32	36	10	-	-	-	22	22	-	2						
VIRGINIA	-	36	11	32	36	10	-	-	-	22	22	-	2						
WASHINGTON	-	36	11	32	36	10	-	-	-	22	22	-	2						
WYOMING	-	36	11	32	36	10	-	-	-	22	22	-	2						
TOTAL OR AVERAGE	4	1,242	1,270	1,274	1,102	2,376	24,000	6,555	25,791	32,446	56,446	238	44						

TABLE 6 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TEMPO- RARY												
		TOTAL		PARTIAL												
		TOTAL	PARTIAL	TOTAL	PARTIAL											
UNDERGROUND MINES. UNDERGROUND:																
EAR-----	-	-	-	-	-	-	1	1	-	-	-	.03	.03	-	-	-
EYE-----	-	-	-	6	6	-	15	9	-	.16	.16	.24	.40	-	1	1
JAW-----	-	-	-	1	1	-	1	4	-	-	-	.03	.03	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	3	3	-	3	-	-	.08	.08	.11	.13	-	2	2
NOSE-----	-	-	-	1	1	-	1	-	-	.03	.03	-	-	-	(*)	(*)
SCALP-----	-	-	-	1	1	-	1	-	-	.08	.08	.03	.03	-	(*)	(*)
FACE, NEC-----	-	-	-	3	3	-	2	7	-	.08	.08	.11	.18	-	1	1
HEAD, NEC-----	-	-	-	3	3	-	4	4	-	.13	.13	.24	.37	-	2	2
NECK-----	-	-	-	5	5	-	9	8	-	.11	.11	.21	.32	-	1	1
ELBOW-----	-	-	-	4	4	-	5	5	-	.05	.05	.13	.18	-	2	2
FOREARM-----	-	-	-	2	2	-	2	-	-	.03	.03	.03	.05	-	3	3
WRIST-----	-	-	-	1	1	-	1	14	-	.08	.08	.29	.37	-	9	9
HAND-----	-	-	-	3	3	-	3	11	-	.16	.16	.16	.32	-	3	3
FINGER(S)-----	-	-	-	12	12	-	6	6	-	.03	.03	-	.01	-	1	1
UPPER EXTREMITIES, NEC-----	-	-	-	6	6	-	1	1	-	1.13	1.13	.92	2.01	-	31	31
ABDOMEN-----	-	-	-	1	1	-	1	35	-	.21	.24	.11	.34	158	4	162
BACK-----	-	-	-	43	43	-	4	13	.03	.13	.13	.13	.13	-	7	7
CHEST-----	1	-	-	8	8	-	4	5	-	.11	.11	.26	.37	-	2	2
PELVIC REGION-----	-	-	-	4	4	-	10	14	-	.16	.16	.13	.25	-	4	4
SHOULDER(S)-----	-	-	-	4	4	-	5	11	-	.53	.53	.24	.77	-	13	13
TRUNK, NEC-----	-	-	-	6	6	-	29	29	-	.05	.05	-	.05	-	7	7
KNEE-----	-	-	-	20	20	-	9	4	-	.37	.37	.11	.48	-	27	27
LOWER LEG-----	-	-	-	2	2	-	2	18	-	.24	.24	.11	.34	-	5	5
ANKLE-----	-	-	-	13	13	-	4	13	-	.08	.08	.08	.08	-	1	1
FOOT-----	-	-	-	9	9	-	4	3	-	.21	.21	.08	.29	-	4	4
TOE(S)-----	-	-	-	3	3	-	3	11	-	-	-	.03	.05	158	-	158
LOWER EXTREMITIES, NEC-----	-	-	-	8	8	-	8	2	.03	.32	.32	.15	.48	-	6	6
BODY SYSTEMS-----	1	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	12	12	-	6	18	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	2	-	2	181	183	185	178	363	.05	4.83	4.88	4.70	9.58	317	137	454

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL													
																TOTAL	PARTIAL
SURFACE AT UNDERGROUND:				3	3	3	4		.43	.43	.14	.57		1	1		
EYE-----							1				.14	.14					
MOUTH/TEETH/TONGUE-----							1				.14	.14					
FACE, NEC-----							1				.14	.14					
ELBOW-----							1				.14	.14					
FOREARM-----				1	1	1	2		.14	.14	.14	.29		(*)	(*)		
WRIST-----				1	1	1	2		.14	.14	.14	.29		1	1		
HAND-----				1	1	1	3		.14	.14	.29	.43		3	3		
FINGER(S)-----				3	3	3	10		.43	.43	1.00	1.43		28	28		
UPPER EXTREMITIES, NEC-----							1				.14	.14					
BACK-----				13	13	13	16		1.86	1.86	.43	2.30		23	23		
CHEST-----							2				.29	.29					
PELVIC REGION-----							1				.14	.14		(*)	(*)		
SHOULDER(S)-----				1	1	1	2		.14	.14	.14	.29		20	20		
TRUNK, NEC-----				2	2	2	6		.29	.29	.29	.86		11	11		
KNEE-----				4	4	4	6		.57	.57	.29	.86		18	18		
ANKLE-----				2	2	2	3		.29	.29	.14	.43		3	3		
FOOT-----							2				.29	.29					
TOE(S)-----				1	1	1	1		.14	.14	.14	.14		5	5		
LOWER EXTREMITIES, NEC-----							3				.43	.43					
BODY SYSTEMS-----				1	1	1	1		.14	.14	.14	.14		8	8		
MULTIPLE PARTS OF BODY-----				3	3	3	6		.43	.43	.43	.86		21	21		
TOTAL OR AVERAGE-----				37	37	37	70		5.31	5.31	4.73	10.04		144	144		

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							INCIDENCE RATES						SEVERITY MEASURES		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL INJURIES											

SURFACE AT UNDERGROUND:	-	-	-	3	3	3	4	-	.43	.43	.14	.57	-	1	1	1
EYE-----	-	-	-	-	-	-	1	-	-	-	.14	.14	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	-	-	-	.14	.14	-	-	-	-
FACE, NEC-----	-	-	-	-	-	-	1	-	-	-	.14	.14	-	-	-	-
ELBOW-----	-	-	-	-	-	-	1	-	-	-	.14	.14	-	-	-	-
FOREARM-----	-	-	-	1	1	1	2	-	.14	.14	.14	.29	-	(*)	1	(*)
WRIST-----	-	-	-	1	1	1	3	-	.14	.14	.14	.29	-	3	3	3
HAND-----	-	-	-	3	3	3	10	-	.43	.43	1.00	1.43	-	28	28	28
FINGER(S)-----	-	-	-	-	-	-	1	-	-	-	.14	.14	-	-	-	-
UPPER EXTREMITIES, NEC-----	-	-	-	13	13	13	16	-	1.86	1.86	.43	2.30	-	23	23	23
BACK-----	-	-	-	-	-	-	2	-	-	-	.29	.29	-	-	-	-
CHST-----	-	-	-	-	-	-	1	-	.14	.14	.14	.14	-	(*)	(*)	(*)
PELVIC REGION-----	-	-	-	1	1	1	2	-	.14	.14	.14	.29	-	20	20	20
SHOULDER(S)-----	-	-	-	2	2	2	2	-	.29	.29	.29	.29	-	11	11	11
TRUNK, NEC-----	-	-	-	4	4	4	6	-	.57	.57	.29	.86	-	18	18	18
KNEE-----	-	-	-	2	2	2	3	-	.29	.29	.14	.43	-	3	3	3
ANKLE-----	-	-	-	-	-	-	2	-	-	-	.29	.29	-	-	-	-
FOOT-----	-	-	-	1	1	1	1	-	.14	.14	.14	.14	-	5	5	5
TOL(S)-----	-	-	-	-	-	-	3	-	-	-	.43	.43	-	-	-	-
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	1	-	.14	.14	.14	.14	-	8	8	8
BODY SYSTEMS-----	-	-	-	3	3	3	6	-	.43	.43	.43	.86	-	21	21	21
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	33	-	5.31	5.31	4.73	10.04	-	144	144	144
TOTAL OR AVERAGE-----	-	-	-	37	37	37	70	-	-	-	-	-	-	-	-	-

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL												
																PARTIAL
TOTAL OR AVERAGE, UG:	-	-	-	-	-	1	-	-	-	-	.02	-	-	-	-	
EAR-----	-	-	9	-	9	10	19	-	.20	.20	.22	.42	-	-	1	1
EYE-----	-	-	1	-	1	1	1	-	-	.02	.02	.02	-	-	-	-
JAW-----	-	-	1	-	1	5	6	-	.02	.02	.11	.13	-	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	3	-	3	-	3	-	.07	.07	.07	.07	-	-	2	2
NOSE-----	-	-	1	-	1	-	1	-	.02	.02	.02	.02	-	-	(*)	(*)
SCALP-----	-	-	1	-	1	2	3	-	.02	.02	.04	.07	-	-	(*)	(*)
FACE, NEC-----	-	-	1	-	1	4	7	-	.07	.07	.09	.16	-	-	1	1
HEAD, NEC-----	-	-	3	-	3	14	14	-	.11	.11	.20	.31	-	-	2	2
NECK-----	-	-	5	-	5	9	9	-	.09	.09	.20	.29	-	-	2	2
ELBOW-----	-	-	4	-	4	13	13	-	.07	.07	.13	.20	-	-	1	1
FOREARM-----	-	-	3	-	3	6	9	-	.04	.04	.04	.09	-	-	2	2
WRIST-----	-	-	2	-	2	2	4	-	.09	.09	.29	.38	-	-	3	3
HAND-----	-	-	4	-	4	13	17	-	.33	.33	.98	1.32	-	-	12	12
FINGER(S)-----	-	-	15	-	15	44	59	-	.13	.13	.16	.29	-	-	3	3
UPPER EXTREMITIES, NEC-----	-	-	6	-	6	7	13	-	.02	.02	.02	.02	-	-	1	1
ABDOMEN-----	-	-	1	-	1	38	94	-	1.25	1.25	.85	2.10	-	-	30	30
BACK-----	-	-	56	-	56	6	15	.02	.18	.20	.13	.33	134	-	3	137
CHEST-----	1	-	8	-	8	6	15	-	.13	.13	.13	.33	-	-	6	6
PELVIC REGION-----	-	1	5	-	5	11	16	-	.11	.11	.25	.36	-	-	5	5
SHOULDER(S)-----	-	-	5	-	5	5	11	-	.18	.18	.11	.29	-	-	5	5
TRUNK, NEC-----	-	-	8	-	8	13	13	-	.53	.53	.25	.78	-	-	14	14
KNEE-----	-	-	24	-	24	11	35	-	.04	.04	.04	.04	-	-	16	16
LOWER LEG-----	-	-	2	-	2	5	21	-	.36	.36	.11	.47	-	-	6	6
ANKLE-----	-	1	9	-	9	6	15	-	.20	.20	.13	.33	-	-	23	23
FOOT-----	-	-	4	-	4	6	15	-	.09	.09	.09	.09	-	-	5	5
TOE(S)-----	-	-	4	-	4	6	14	-	.18	.18	.13	.31	-	-	2	2
LOWER EXTREMITIES, NEC-----	-	-	8	-	8	6	14	.02	.02	.04	.02	.07	134	-	3	135
BODY SYSTEMS-----	1	-	1	-	1	9	3	-	.33	.33	.20	.53	-	-	1	1
MULTIPLE PARTS OF BODY-----	-	-	15	-	15	24	24	-	-	-	-	-	-	-	8	8
TOTAL OR AVERAGE-----	2	2	218	220	222	211	433	.04	4.90	4.95	4.70	9.55	267	138	406	406

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES				
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TEMPORARY											
		TOTAL	PARTIAL	TOTAL	NFDL										
SURFACE MINES:															
OPEN PIT:															
EAR-----	-	-	-	9	-	9	1	1	-	.14	.14	.02	-	(*)	(*)
EYE-----	-	-	-	-	-	-	19	1	-	-	.02	.29	-	-	-
JAW-----	-	-	-	-	-	-	7	7	-	-	.11	.11	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	2	-	2	1	3	-	.03	.03	.05	-	(*)	(*)
NOSE-----	-	-	-	3	-	3	1	4	-	.05	.05	.02	-	(*)	(*)
FACE, NEC-----	-	-	-	2	-	2	5	7	-	.03	.03	.08	-	(*)	(*)
HEAD, NEC-----	-	-	-	7	-	7	3	10	-	.11	.11	.05	-	1	1
NECK-----	-	-	-	-	-	-	1	1	-	-	.02	.02	-	-	-
UPPER ARM-----	-	-	-	4	-	4	3	7	-	.06	.06	.05	-	(*)	(*)
ELBOW-----	-	-	-	3	-	3	5	8	-	.05	.05	.08	-	1	1
FOREARM-----	-	-	-	1	-	1	4	5	-	.02	.02	.06	-	(*)	(*)
WRIST-----	-	-	-	7	-	7	18	25	-	.11	.11	.28	-	3	3
HAND-----	-	-	-	23	-	23	35	62	-	.41	.41	.54	-	22	22
FINGER(S)-----	-	-	-	11	-	11	6	17	-	.17	.17	.09	-	3	3
UPPER EXTREMITIES, NEC-----	-	-	-	1	-	1	1	1	-	.02	.02	.02	-	(*)	(*)
ABDOMEN-----	-	-	-	61	-	61	14	75	-	.94	.94	.22	-	25	25
BACK-----	-	-	-	4	-	4	2	6	-	.06	.06	.03	-	1	1
CHEST-----	-	-	-	3	-	3	2	5	-	.09	.09	.03	-	31	31
PELVIC REGION-----	-	-	-	13	-	13	4	17	-	.20	.20	.06	-	3	3
SHOULDER(S)-----	-	-	-	1	-	1	3	4	-	.02	.02	.05	-	(*)	(*)
TRUNK, NEC-----	-	-	-	2	-	2	2	4	-	.03	.03	.03	-	(*)	(*)
THIGH-----	-	-	-	15	-	15	8	23	-	.23	.23	.12	-	4	4
KNEE-----	-	-	-	4	-	4	2	6	-	.06	.06	.03	-	1	1
LOWER LEG-----	-	-	-	18	-	18	-	18	-	.28	.28	.08	-	3	3
ANKLE-----	-	-	-	5	-	5	5	10	-	.08	.08	.02	-	(*)	(*)
FOOT-----	-	-	-	1	-	1	1	2	-	.02	.02	.02	-	3	3
TOE(S)-----	-	-	-	11	-	11	1	12	-	.17	.17	.02	-	(*)	(*)
LOWER EXTREMITIES, NEC-----	-	-	-	2	-	2	1	3	-	.03	.03	.02	-	10	10
BODY SYSTEMS-----	-	-	-	16	-	16	5	21	-	.25	.25	.08	-	34	34
MULTIPLE PARTS OF BODY-----	-	-	-	1	-	1	-	1	-	.02	.02	.02	-	(*)	(*)
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	1	-	7	230	237	238	155	393	.02	3.54	3.55	2.38	92	114	206
DREDGE:															
EYE-----	-	-	-	-	-	-	1	1	-	-	-	.69	-	-	-
ELBOW-----	-	-	-	1	-	1	-	1	-	.69	.69	.69	-	3	3
HAND-----	-	-	-	1	-	1	1	1	-	.69	.69	.69	-	46	46
KNEE-----	-	-	-	1	-	1	1	1	-	.69	.69	.69	-	17	17
ANKLE-----	-	-	-	1	-	1	1	2	-	.69	.69	.69	-	4	4
FOOT-----	-	-	-	4	-	4	3	7	-	2.77	2.77	2.08	-	70	70
TOTAL OR AVERAGE-----	-	-	-	4	-	4	3	7	-	2.77	2.77	2.08	-	4.85	4.85

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPO- RARY												
			TOTAL	PARTIAL											
TOTAL OR AVERAGE, SURFACE:	-	-	-	-	-	-	1	-	-	-	.02	.02	-	-	-
EAR-----	-	-	9	-	9	29	29	-	.14	.14	.30	.44	-	(*)	(*)
EYE-----	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	-
JAW-----	-	-	-	-	-	7	7	-	-	-	.11	.11	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	2	-	2	3	3	-	.03	.03	.02	.05	-	(*)	(*)
NOSE-----	-	-	3	-	3	4	4	-	.05	.05	.02	.06	-	(*)	(*)
FACE, NEC-----	-	-	2	-	2	5	5	-	.03	.03	.08	.11	-	(*)	(*)
HEAD, NEC-----	-	-	7	-	7	10	10	-	.11	.11	.02	.15	-	-	-
NECK-----	-	-	-	-	-	1	1	-	-	-	.05	.02	-	-	-
UPPER ARM-----	-	-	5	-	5	8	8	-	.08	.08	.05	.12	-	-	-
ELBOW-----	-	-	3	-	3	5	5	-	.05	.05	.08	.12	-	-	-
FOREARM-----	-	-	3	-	3	8	8	-	.02	.02	.06	.08	-	(*)	(*)
WRIST-----	-	-	7	-	7	19	19	-	.11	.11	.29	.39	-	-	-
HAND-----	-	-	27	-	27	35	35	-	.41	.41	.53	.93	-	-	-
FINGER(S)-----	-	-	11	-	11	17	17	-	.17	.17	.09	.26	-	-	-
UPPER EXTREMITIES, NEC-----	-	-	1	-	1	1	1	-	.02	.02	.02	.02	-	-	-
ABDOMEN-----	-	-	61	-	61	14	14	-	.92	.92	.21	.13	-	(*)	(*)
BACK-----	-	-	4	-	4	75	75	-	.06	.06	.03	.09	-	-	-
CHEST-----	-	-	3	-	3	2	2	-	.09	.09	.03	.12	-	-	-
PELVIC REGION-----	-	-	6	-	6	8	8	-	.20	.20	.06	.26	-	-	-
SHOULDER(S)-----	-	-	13	-	13	17	17	-	.02	.02	.05	.06	-	(*)	(*)
TRUNK, NEC-----	-	-	1	-	1	3	4	-	.03	.03	.03	.06	-	(*)	(*)
THIGH-----	-	-	2	-	2	2	2	-	.24	.24	.12	.36	-	-	-
KNEE-----	-	-	16	-	16	24	24	-	.06	.06	.03	.09	-	-	-
LOWER LEG-----	-	-	4	-	4	6	6	-	.29	.29	.09	.29	-	-	-
ANKLE-----	-	-	19	-	19	19	19	-	.09	.09	.02	.11	-	(*)	(*)
FOOT-----	-	-	6	-	6	7	7	-	.02	.02	.02	.03	-	-	-
TOE(S)-----	-	-	1	-	1	1	1	-	.17	.17	.02	.18	-	-	-
LOWER EXTREMITIES, NEC-----	-	-	11	-	11	12	12	-	.03	.03	.02	.05	-	(*)	(*)
BODY SYSTEMS-----	-	-	2	-	2	3	3	-	.24	.24	.08	.33	-	-	-
MULTIPLE PARTS OF BODY-----	1	-	16	-	17	5	22	.02	.02	.02	.02	.02	90	10	100
UNCLASSIFIED-----	-	-	1	-	1	1	1	-	.02	.02	-	-	-	(*)	(*)
TOTAL OR AVERAGE-----	1	7	234	241	242	158	400	.02	3.62	3.64	2.38	5.01	90	113	203

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL											
TOTAL OR AVERAGE, MINING:															
EAR-----	-	-	-	18	18	-	2	-	.16	.16	.02	.02	-	-	(*)
EYE-----	-	-	-	2	2	-	30	-	-	-	.27	.43	-	-	(*)
JAW-----	-	-	-	1	1	-	12	-	.01	.01	.11	.12	-	-	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	5	5	-	1	-	.04	.04	.01	.05	-	-	(*)
NOSE-----	-	-	-	1	1	-	3	-	.01	.01	.03	.06	-	-	(*)
SCALP-----	-	-	-	4	4	-	9	-	.04	.04	.08	.13	-	-	(*)
FACE, NEC-----	-	-	-	5	5	-	12	-	.11	.11	.22	.22	-	-	(*)
HEAD, NEC-----	-	-	-	12	12	-	24	-	-	-	.01	.01	-	-	(*)
NECK-----	-	-	-	-	-	-	1	-	.08	.08	.11	.19	-	-	(*)
UPPER ARM-----	-	-	-	9	9	-	12	-	.05	.05	.10	.15	-	-	(*)
ELBOW-----	-	-	-	6	6	-	17	-	.03	.03	.05	.08	-	-	(*)
FOREARM-----	-	-	-	3	3	-	6	-	.10	.10	.29	.39	-	-	(*)
WRIST-----	-	-	-	11	11	-	32	-	.38	.38	.71	1.09	-	-	(*)
HAND-----	-	-	-	38	42	-	121	-	.15	.15	.12	.27	-	-	(*)
FINGER(S)-----	-	-	-	17	17	-	13	-	.02	.02	.02	.02	-	-	(*)
UPPER EXTREMITIES, NEC-----	-	-	-	2	2	-	2	-	.05	.05	.47	1.52	-	-	(*)
ABDOMEN-----	-	-	-	117	117	-	52	-	.11	.11	.12	.19	-	-	(*)
BACK-----	-	-	-	12	12	-	8	-	.16	.16	.13	.30	-	-	(*)
CHEST-----	-	-	-	18	18	-	15	-	.08	.08	.07	.15	-	-	(*)
PELVIC REGION-----	-	-	-	9	9	-	8	-	.02	.02	.02	.04	-	-	(*)
SHOULDER(S)-----	-	-	-	2	2	-	2	-	.36	.36	.17	.53	-	-	(*)
TRUNK, NEC-----	-	-	-	40	40	-	19	-	.05	.05	.02	.07	-	-	(*)
THIGH-----	-	-	-	6	6	-	8	-	.31	.31	.13	.20	-	-	(*)
KNEE-----	-	-	-	15	15	-	22	-	.04	.04	.04	.05	-	-	(*)
LOWER LEG-----	-	-	-	34	35	-	5	-	.17	.17	.02	.03	-	-	(*)
ANKLE-----	-	-	-	19	19	-	7	-	.01	.01	.04	.05	-	-	(*)
FOOT-----	-	-	-	31	31	-	14	-	.28	.28	.13	.41	-	-	(*)
TOE(S)-----	-	-	-	1	1	-	-	-	.01	.01	-	.01	-	-	(*)
LOWER EXTREMITIES, NEC-----	-	-	-	452	461	-	369	-	.03	.03	3.31	7.48	152	123	285
BODY SYSTEMS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	3	9	452	461	464	833	369	4.14	4.17	3.31	7.48	152	123	285	
INDEPENDENT SHOPS:															
BACK-----	-	-	-	-	-	-	1	-	-	-	22.02	22.02	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	1	-	-	-	22.02	22.02	-	-	-

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDI	ALL INDU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL										
PROCESSING PLANTS:														
EAR.....	1			1	1	1	12	01	00	07	01	01	01	01
EYE.....	1	44		44	44	44	102	01	00	02	01	01	01	01
JAW.....	1	1		1	1	1	13	01	01	02	01	01	01	01
MOUTH/TEETH/TONGUE.....	1	1		1	1	1	13	01	01	02	01	01	01	01
NOSE.....	1	1		1	1	1	13	01	01	02	01	01	01	01
SCALP.....	1	1		1	1	1	13	01	01	02	01	01	01	01
FACE, NEC.....	1	1		1	1	1	13	01	01	02	01	01	01	01
HEAD, NEC.....	1	1		1	1	1	13	01	01	02	01	01	01	01
NECK.....	1	1		1	1	1	13	01	01	02	01	01	01	01
UPPER ARM.....	1	1		1	1	1	13	01	01	02	01	01	01	01
ELBOW.....	1	1		1	1	1	13	01	01	02	01	01	01	01
FOREARM.....	1	1		1	1	1	13	01	01	02	01	01	01	01
WRIST.....	1	1		1	1	1	13	01	01	02	01	01	01	01
HAND.....	1	1		1	1	1	13	01	01	02	01	01	01	01
FINGER(S).....	1	1		1	1	1	13	01	01	02	01	01	01	01
UPPER EXTREMITIES, NEC.....	1	1		1	1	1	13	01	01	02	01	01	01	01
ABDOMEN.....	1	1		1	1	1	13	01	01	02	01	01	01	01
BACK.....	1	1		1	1	1	13	01	01	02	01	01	01	01
CHEST.....	1	1		1	1	1	13	01	01	02	01	01	01	01
PELVIC REGION.....	1	1		1	1	1	13	01	01	02	01	01	01	01
SHOULDER(S).....	1	1		1	1	1	13	01	01	02	01	01	01	01
TRUNK, NEC.....	1	1		1	1	1	13	01	01	02	01	01	01	01
THIGH.....	1	1		1	1	1	13	01	01	02	01	01	01	01
KNEE.....	1	1		1	1	1	13	01	01	02	01	01	01	01
LOWER LEG.....	1	1		1	1	1	13	01	01	02	01	01	01	01
ANKLE.....	1	1		1	1	1	13	01	01	02	01	01	01	01
FOOT.....	1	1		1	1	1	13	01	01	02	01	01	01	01
TOE(S).....	1	1		1	1	1	13	01	01	02	01	01	01	01
LOWER EXTREMITIES, NEC.....	1	1		1	1	1	13	01	01	02	01	01	01	01
BODY SYSTEMS.....	1	1		1	1	1	13	01	01	02	01	01	01	01
MULTIPLE PARTS OF BODY.....	1	1		1	1	1	13	01	01	02	01	01	01	01
TOTAL OR AVERAGE.....	1	19		18	806	806	1,529	01	4.31	4.31	34	34	134	134

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					INCIDENCE RATES				SEVERITY MEASURES												
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL									
		PERMANENT	TEMPORARY																			
			TOTAL	PARTIAL																		
TOTAL OR AVERAGE																						
ALL MINES AND PLANTS:																						
EAR	-	-	1	-	1	1	1	-	1	04	-	1	04									
EYE	-	-	62	-	62	52	200	-	21	46	-	21	69									
JAW	-	-	1	-	1	1	5	-	1	01	-	1	02									
MOUTH/TEETH/TONGUE	-	-	1	-	1	1	28	-	1	09	-	1	09									
NOSE	-	-	6	-	6	3	9	-	2	01	-	2	03									
SCALP	-	-	3	-	3	3	3	-	01	01	-	01	01									
FACE, NEC	-	-	3	-	3	9	19	-	03	03	-	03	06									
HEAD, NEC	-	-	11	-	11	11	35	-	04	04	-	04	08									
NECK	-	-	20	-	20	20	45	-	07	07	-	07	12									
UPPER ARM	-	-	3	-	3	3	6	-	01	01	-	01	02									
ELBOW	-	-	23	-	23	23	47	-	06	06	-	06	10									
FOREARM	-	-	17	-	17	17	44	-	10	10	-	10	16									
Wrist	-	-	30	-	30	30	58	-	13	13	-	13	20									
HAND	-	-	38	-	38	38	66	-	13	13	-	13	20									
FINGER(S)	-	-	106	-	106	116	266	-	41	41	-	41	62									
UPPER EXTREMITIES, NEC	-	-	37	-	37	37	66	-	13	13	-	13	20									
ABDOMEN	-	-	358	-	358	357	468	-	03	03	-	03	05									
BACK	-	-	27	-	27	27	48	-	10	10	-	10	15									
CHEST	-	-	34	-	34	46	84	-	18	18	-	18	26									
PELVIC REGION	-	-	12	-	12	12	21	-	06	06	-	06	09									
SHOULDER(S)	-	-	18	-	18	18	31	-	06	06	-	06	09									
TRUNK, NEC	-	-	12	-	12	12	15	-	02	02	-	02	03									
THIGH	-	-	99	-	99	99	143	-	34	34	-	34	49									
KNEE	-	-	11	-	11	11	21	-	04	04	-	04	06									
LOWER LEG	-	-	79	-	79	80	100	-	08	08	-	08	12									
ANKLE	-	-	44	-	44	44	68	-	15	15	-	15	22									
FOOT	-	-	44	-	44	44	68	-	15	15	-	15	22									
TOE(S)	-	-	41	-	41	41	60	-	02	02	-	02	03									
LOWER EXTREMITIES, NEC	-	-	8	-	8	8	12	-	02	02	-	02	03									
BODY SYSTEMS	-	-	76	-	76	77	127	-	27	27	-	27	41									
MULTIPLE PARTS OF BODY	-	-	1	-	1	1	1	-	01	01	-	01	01									
UNCLASSIFIED	-	-	1,238	-	1,238	1,256	2,363	-	4	4	-	4	6									
TOTAL OR AVERAGE	4	-	28	-	28	1,270	1,033	31	4	35	83	112	194									
OFFICE:																						
HEAD, NEC	-	-	-	-	-	-	1	-	-	-	-	-	-									
ELBOW	-	-	-	-	-	-	1	-	-	-	-	-	-									
HAND	-	-	-	-	-	-	4	-	-	-	-	-	-									
FINGER(S)	-	-	-	-	-	-	3	-	-	-	-	-	-									
BACK	-	-	-	-	-	-	3	-	-	-	-	-	-									
KNEE	-	-	-	-	-	-	1	-	-	-	-	-	-									
TOTAL OR AVERAGE	-	-	-	-	-	-	9	-	-	-	-	-	-									

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TOTAL NFDL											
		TOTAL	PARTIAL												
GRAND TOTAL OR AVERAGE															
FACE	-	-	-	1	1	1	14	-	(*)	(*)	.04	.04	-	(*)	(*)
EYE	-	-	-	62	62	138	200	-	19	19	.41	.50	-	(*)	(*)
JAW	-	-	-	1	1	4	5	-	(*)	(*)	.01	.01	-	(*)	(*)
MOUTH/TEETH/TONGUE	-	-	-	1	1	25	26	-	(*)	(*)	.07	.08	-	(*)	(*)
NOSE	-	-	-	6	6	3	9	-	.02	.02	.01	.03	-	(*)	(*)
SCALP	-	-	-	3	3	10	13	-	.01	.01	.03	.06	-	(*)	(*)
FACE, NEC	-	-	-	9	9	26	35	-	.03	.03	.07	.11	-	(*)	(*)
HEAD, NEC	-	-	-	11	11	25	36	-	.03	.03	.07	.13	-	(*)	(*)
NECK	-	-	-	20	20	26	46	-	.06	.06	.07	.13	-	(*)	(*)
UPPER ARM	-	-	-	3	3	3	6	-	.01	.01	.01	.01	-	(*)	(*)
ELBOW	-	-	-	23	23	26	49	-	.07	.07	.07	.14	-	(*)	(*)
FOREARM	-	-	-	17	17	28	45	-	.05	.05	.08	.17	-	(*)	(*)
Wrist	-	-	-	30	30	28	58	-	.09	.09	.08	.17	-	(*)	(*)
HAND	-	-	-	38	38	25	63	-	.11	.11	.25	.37	-	(*)	(*)
FINGER(S)	-	-	-	109	109	251	360	-	.36	.36	.75	1.11	-	(*)	(*)
UPPER EXTREMITIES, NEC	-	-	-	37	37	28	65	-	.11	.11	.08	.19	-	(*)	(*)
ABDOMEN	-	-	-	9	9	132	141	-	.03	.03	.40	.47	-	(*)	(*)
BACK	-	-	-	358	358	28	386	-	107	107	.08	.16	-	(*)	(*)
CHEST	-	-	-	27	27	48	75	-	.08	.08	.16	.22	-	(*)	(*)
PELVIC REGION	-	-	-	34	34	8	42	-	.14	.14	.02	.08	-	(*)	(*)
SHOULDER(S)	-	-	-	54	54	40	94	-	.16	.16	.12	.16	-	(*)	(*)
TRUNK, NEC	-	-	-	18	18	13	31	-	.05	.05	.04	.09	-	(*)	(*)
THIGH	-	-	-	7	7	8	15	-	.02	.02	.02	.04	-	(*)	(*)
KNEE	-	-	-	100	100	44	144	-	.30	.30	.13	.20	-	(*)	(*)
LOWER LEG	-	-	-	11	11	10	21	-	.03	.03	.03	.06	-	(*)	(*)
ANKLE	-	-	-	79	80	22	102	-	.24	.24	.07	.11	-	(*)	(*)
FOOT	-	-	-	44	44	24	68	-	.13	.13	.07	.10	-	(*)	(*)
TOE(S)	-	-	-	7	7	5	12	-	.02	.02	.01	.04	-	(*)	(*)
LOWER EXTREMITIES, NEC	-	-	-	41	41	19	60	-	.12	.12	.06	.18	-	(*)	(*)
BODY SYSTEMS	-	-	-	8	8	12	20	-	.03	.03	.04	.06	-	(*)	(*)
MULTIPLE PARTS OF BODY	-	-	-	76	77	48	127	-	.23	.24	.14	.38	-	(*)	(*)
UNCLASSIFIED	-	-	-	1	1	-	1	-	(*)	(*)	-	-	-	(*)	(*)
TOTAL OR AVERAGE	4	28	1,242	1,270	1,274	1,102	2,376	.01	3.80	3.81	3.30	7.11	72	97	169

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1988

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL INJURIES	NOL	TOTAL FATAL AND NFDL	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TOTAL						TEMPO- RARY	TOTAL NFDL					
			TOTAL	PARTIAL							TOTAL				
UNDERGROUND MINES: UNDERGROUND:															
EAR	-	-	-	-	1	15	1	-	-	-	-	-	-	-	4
EYE	-	-	-	-	1	1	1	-	-	-	-	-	-	-	2
JAW	-	-	-	-	4	5	3	-	-	-	-	-	-	-	23
MOUTH/TEETH/TONGUE	-	-	-	-	-	1	2	-	-	-	-	-	-	-	6
NOSE	-	-	-	-	1	4	7	-	-	-	-	-	-	-	1
SCALP	-	-	-	-	4	9	14	-	-	-	-	-	-	-	11
FACE, NEC.	-	-	-	-	2	7	12	-	-	-	-	-	-	-	15
HEAD, NEC.	-	-	-	-	1	1	2	-	-	-	-	-	-	-	21
NECK	-	-	-	-	4	8	22	-	-	-	-	-	-	-	80
ELBOW	-	-	-	-	2	5	80	-	-	-	-	-	-	-	33
FOREARM	-	-	-	-	2	7	22	-	-	-	-	-	-	-	30
WRIST	-	-	-	-	1	3	100	-	-	-	-	-	-	-	27
HAND	-	-	-	-	3	11	354	-	-	-	-	-	-	-	50
FINGER(S)	-	-	-	-	1	37	118	-	-	-	-	-	-	-	33
UPPER EXTREMITIES, NEC.	-	-	-	-	5	12	33	-	-	-	-	-	-	-	20
ARM/SHOULDER	-	-	-	-	6	6	1	-	-	-	-	-	-	-	33
BACK	-	-	-	-	1	43	1,171	-	-	-	-	-	-	-	27
CHEST	-	-	-	-	43	8	140	-	-	-	-	-	-	-	50
PELVIC REGION	-	-	-	-	8	5	61	-	-	-	-	-	-	-	50
SHOULDER(S)	-	-	-	-	5	14	163	-	-	-	-	-	-	-	50
TRUNK, NEC.	-	-	-	-	4	11	479	-	-	-	-	-	-	-	50
KNEE	-	-	-	-	5	20	261	-	-	-	-	-	-	-	50
LOWER LEG	-	-	-	-	9	18	429	-	-	-	-	-	-	-	50
ANKLE	-	-	-	-	2	13	204	-	-	-	-	-	-	-	50
FOOT	-	-	-	-	14	3	37	-	-	-	-	-	-	-	50
TOE(S)	-	-	-	-	9	11	145	-	-	-	-	-	-	-	50
LOWER EXTREMITIES, NEC.	-	-	-	-	3	2	233	-	-	-	-	-	-	-	50
BODY SYSTEMS	-	-	-	-	8	18	5,000	-	-	-	-	-	-	-	50
MULTIPLE PARTS OF BODY	-	-	-	-	1	6	12,000	-	-	-	-	-	-	-	50
TOTAL OR AVERAGE	2	2	181	183	363	173	5,205	550	4,555	233	17,205	325	25	93	

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY										
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL							
		PERMANENT	TEMPORARY	TOTAL NFDL					TOTAL	PARTIAL											
SURFACE AT UNDERGROUND:	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
EYE	-	-	3	3	3	1	4	-	-	-	6	-	2	2							
MOUTH/TEETH/TONGUE	-	-	-	-	-	1	1	-	-	-	-	-	-	-							
FACE, NEC	-	-	-	-	-	1	1	-	-	-	-	-	-	-							
ELBOW	-	-	-	-	-	1	1	-	-	-	-	-	-	-							
FOREARM	-	-	1	1	1	1	2	-	-	-	1	-	1	1							
Wrist	-	-	1	1	1	1	2	-	-	-	7	-	7	7							
HAND	-	-	1	1	1	1	3	-	-	-	21	-	21	21							
FINGER(S)	-	-	3	3	3	7	10	-	-	-	198	-	198	198							
UPPER EXTREMITIES, NEC	-	-	-	-	-	1	1	-	-	-	-	-	-	-							
BACK	-	-	13	13	13	3	16	-	-	-	162	-	12	12							
CHEST	-	-	-	-	-	2	2	-	-	-	-	-	-	-							
PELVIC REGION	-	-	1	1	1	1	2	-	-	-	2	-	2	2							
SHOULDER(S)	-	-	1	1	1	1	2	-	-	-	141	-	141	141							
TRUNK, NEC	-	-	2	2	2	2	6	-	-	-	78	-	39	39							
KNEE	-	-	4	4	4	2	6	-	-	-	128	-	32	32							
ANKLE	-	-	2	2	2	1	3	-	-	-	21	-	10	10							
FOOT	-	-	1	1	1	2	3	-	-	-	-	-	-	-							
TOE(S)	-	-	1	1	1	1	2	-	-	-	35	-	35	35							
LOWER EXTREMITIES, NEC	-	-	1	1	1	3	5	-	-	-	55	-	55	55							
BOY SYSTEMS	-	-	3	3	3	3	6	-	-	-	145	-	49	49							
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
TOTAL OR AVERAGE	-	-	37	37	37	33	70	-	-	-	1,001	-	27	27							

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY					
	FATAL	NFIL			TOTAL FATAL AND NFIL	NOL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL	
		TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFIL							
										TOTAL	PARTIAL					
TOTAL OR AVERAGE, U.S.																
EAR	-	-	-	-	-	19	-	-	-	-	31	-	-	3	-	3
EYE	-	-	-	-	-	10	-	-	-	-	2	-	-	2	-	2
JAW	-	-	-	-	-	5	-	-	-	-	70	-	-	23	-	23
MOUTH/TONGUE	-	-	-	-	-	3	-	-	-	-	5	-	-	6	-	6
NOSE	-	-	-	-	-	3	-	-	-	-	1	-	-	1	-	1
SCALP	-	-	-	-	-	3	-	-	-	-	33	-	-	11	-	11
FACE NEC	-	-	-	-	-	7	-	-	-	-	74	-	-	15	-	15
HEAD NEC	-	-	-	-	-	14	-	-	-	-	83	-	-	21	-	21
NECK	-	-	-	-	-	9	-	-	-	-	23	-	-	8	-	8
ELBOW	-	-	-	-	-	4	-	-	-	-	87	-	-	44	-	44
FOREARM	-	-	-	-	-	4	-	-	-	-	121	-	-	30	-	30
WRIST	-	-	-	-	-	17	-	-	-	-	552	-	-	37	-	37
HAND	-	-	-	-	-	59	-	-	-	-	118	-	-	20	-	20
FINGER(S)	-	-	-	-	-	13	-	-	-	-	33	-	-	33	-	33
UPPER EXTREMITIES, NEC	-	-	-	-	-	7	-	-	-	-	133	-	-	24	-	24
ARM/SHOULDER	-	-	-	-	-	38	-	-	-	-	140	-	-	18	-	18
BACK	-	-	-	-	-	6	-	-	-	-	6,000	-	-	50	-	50
CHEST	-	-	-	-	-	11	-	-	-	-	232	-	-	45	-	45
PELVIC REGION	-	-	-	-	-	15	-	-	-	-	202	-	-	40	-	40
SHOULDER(S)	-	-	-	-	-	13	-	-	-	-	241	-	-	30	-	30
TRUNK, NEC	-	-	-	-	-	11	-	-	-	-	607	-	-	23	-	23
KNEE	-	-	-	-	-	2	-	-	-	-	261	-	-	130	-	130
LOWER LEG	-	-	-	-	-	21	-	-	-	-	1,050	-	-	30	-	30
ANKLE	-	-	-	-	-	15	-	-	-	-	204	-	-	23	-	23
FOOT	-	-	-	-	-	4	-	-	-	-	72	-	-	18	-	18
TOE(S)	-	-	-	-	-	8	-	-	-	-	146	-	-	55	-	55
LOWER EXTREMITIES, NEC	-	-	-	-	-	15	-	-	-	-	375	-	-	23	-	23
BODY SYSTEMS	-	-	-	-	-	24	-	-	-	-	6,000	-	-	3,028	-	3,028
MULTIPLE PARTS OF BODY	-	-	-	-	-	433	-	-	-	-	12,000	-	-	25	-	25
TOTAL OR AVERAGE	2	2	218	220	222	211	-	-	-	-	5,556	6,206	325	25	18,206	82

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NOL	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL FATAL AND NFDL	TEMPO- RARY	TOTAL NFDL			
SURFACE MINES: OPEN PIT:														
EAR	-	-	9	-	9	1	19	-	-	-	-	-	-	10
EYE	-	-	-	-	-	28	1	-	-	-	-	-	-	-
JAW	-	-	-	-	-	7	7	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	2	-	2	3	3	-	-	-	-	-	-	-
NOSE	-	-	3	-	3	4	4	-	-	-	-	-	-	-
FACE, NEC	-	-	2	-	2	7	7	-	-	-	-	-	-	-
HEAD, NEC	-	-	7	-	7	10	10	-	-	-	-	-	-	-
NECK	-	-	7	-	7	1	1	-	-	-	-	-	-	-
UPPER ARM	-	-	4	-	4	7	7	-	-	-	-	-	-	-
ELBOW	-	-	3	-	3	5	5	-	-	-	-	-	-	-
FOREARM	-	-	1	-	1	25	25	-	-	-	-	-	-	-
WRIST	-	-	7	-	7	35	35	-	-	-	-	-	-	-
HAND	-	-	23	-	23	17	17	-	-	-	-	-	-	-
FINGER(S)	-	-	11	-	11	1	1	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	1	-	1	75	75	-	-	-	-	-	-	-
ADDITION	-	-	51	-	51	14	14	-	-	-	-	-	-	-
BACK	-	-	4	-	4	6	6	-	-	-	-	-	-	-
CHEST	-	-	3	-	3	8	8	-	-	-	-	-	-	-
PELVIC REGION	-	-	13	-	13	17	17	-	-	-	-	-	-	-
SHOULDER(S)	-	-	1	-	1	4	4	-	-	-	-	-	-	-
TRUNK, NEC	-	-	2	-	2	4	4	-	-	-	-	-	-	-
THIGH	-	-	15	-	15	23	23	-	-	-	-	-	-	-
KNEE	-	-	18	-	18	6	6	-	-	-	-	-	-	-
LOWER LEG	-	-	4	-	4	5	5	-	-	-	-	-	-	-
ANKLE	-	-	1	-	1	2	2	-	-	-	-	-	-	-
FOOT	-	-	1	-	1	8	8	-	-	-	-	-	-	-
TOE(S)	-	-	1	-	1	12	12	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	11	-	11	3	3	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	2	-	2	22	22	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	1	-	16	-	17	1	1	5,000	-	-	-	-	-	-
UNCLASSIFIED	-	-	1	-	1	1	1	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	7	230	237	238	393	155	5,000	2,760	4,674	7,434	394	20	56
DREDGE:														
EYE	-	-	-	-	-	1	1	-	-	-	-	-	-	-
ELBOW	-	-	1	-	1	1	1	-	-	-	-	-	-	-
HAND	-	-	1	-	1	1	1	-	-	-	-	-	-	-
KNEE	-	-	1	-	1	1	1	-	-	-	-	-	-	-
ANKLE	-	-	1	-	1	2	2	-	-	-	-	-	-	-
FOOT	-	-	4	-	4	7	7	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	4	4	4	3	3	-	-	-	101	-	25	25

TABLE 9. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY				
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	NFIL	FATAL	PERMANENT		TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL	
		TOTAL	PARTIAL	TOTAL					PARTIAL						
										TOTAL					PARTIAL
TOTAL OR AVERAGE, SURFACE:															
EAR	-	-	-	-	1	-	-	-	-	-	-	-	-	1	
EYE	-	-	-	-	29	-	-	-	-	-	-	-	-	1	
JAW	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
MOUTH/TEETH/TONGUE	-	-	-	-	7	-	-	-	-	-	-	-	-	-	
NOSE	-	-	-	-	3	-	-	-	-	-	-	-	-	-	
FACE, NEC	-	-	-	-	4	-	-	-	-	-	-	-	-	-	
HEAD, NEC	-	-	-	-	7	-	-	-	-	-	-	-	-	-	
NECK	-	-	-	-	10	-	-	-	-	-	-	-	-	-	
UPPER ARM	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
ELBOW	-	-	-	-	8	-	-	-	-	-	-	-	-	-	
FOREARM	-	-	-	-	8	-	-	-	-	-	-	-	-	-	
WRIST	-	-	-	-	5	-	-	-	-	-	-	-	-	-	
HAND	-	-	-	-	4	-	-	-	-	-	-	-	-	-	
FINGER(S)	-	-	-	-	26	-	-	-	-	-	-	-	-	-	
UPPER EXTREMITIES, NEC	-	-	-	-	62	-	-	-	-	-	-	-	-	-	
ARM	-	-	-	-	17	-	-	-	-	-	-	-	-	-	
TRUNK	-	-	-	-	14	-	-	-	-	-	-	-	-	-	
BACK	-	-	-	-	75	-	-	-	-	-	-	-	-	-	
CHEST	-	-	-	-	6	-	-	-	-	-	-	-	-	-	
PELVIC REGION	-	-	-	-	8	-	-	-	-	-	-	-	-	-	
SHOULDER(S)	-	-	-	-	17	-	-	-	-	-	-	-	-	-	
TRUNK, NEC	-	-	-	-	4	-	-	-	-	-	-	-	-	-	
THIGH	-	-	-	-	4	-	-	-	-	-	-	-	-	-	
KNEE	-	-	-	-	24	-	-	-	-	-	-	-	-	-	
LOWER LEG	-	-	-	-	6	-	-	-	-	-	-	-	-	-	
ANKLE	-	-	-	-	19	-	-	-	-	-	-	-	-	-	
FOOT	-	-	-	-	7	-	-	-	-	-	-	-	-	-	
TOE(S)	-	-	-	-	2	-	-	-	-	-	-	-	-	-	
LOWER EXTREMITIES, NEC	-	-	-	-	12	-	-	-	-	-	-	-	-	-	
BODY SYSTEMS	-	-	-	-	3	-	-	-	-	-	-	-	-	-	
MULTIPLE PARTS OF BODY	-	-	-	-	22	-	-	-	-	-	-	-	-	-	
UNCLASSIFIED	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	1	7	234	241	242	400	158	6,000	2,760	4,775	7,535	13,535	394	20	56

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE, FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL INJURIES	NOL	TOTAL FATAL AND NFDL	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO-RARY	TOTAL NFDL					TOTAL	PARTIAL				
TOTAL OR AVERAGE, MINING														
EAR	-	-	-	-	2	30	18	-	-	-	41	-	-	41
EYE	-	-	-	-	2	2	18	-	-	-	2	-	-	2
JAW	-	-	-	-	1	12	1	-	-	-	78	-	-	78
MOUTH/TEETH/TONGUE	-	-	-	-	1	1	1	-	-	-	6	-	-	6
NOSE	-	-	-	-	1	1	1	-	-	-	18	-	-	18
SCALP	-	-	-	-	1	1	1	-	-	-	38	-	-	38
FACE, NEC	-	-	-	-	1	1	1	-	-	-	143	-	-	143
HEAD, NEC	-	-	-	-	1	1	1	-	-	-	118	-	-	118
NECK	-	-	-	-	1	1	1	-	-	-	118	-	-	118
UPPER ARM	-	-	-	-	1	1	1	-	-	-	287	-	-	287
ELBOW	-	-	-	-	1	1	1	-	-	-	1,107	-	-	1,107
FOREARM	-	-	-	-	1	1	1	-	-	-	307	-	-	307
WRIST	-	-	-	-	1	1	1	-	-	-	25	-	-	25
HAND	-	-	-	-	1	1	1	-	-	-	2,953	-	-	2,953
FINGER(S)	-	-	-	-	1	1	1	-	-	-	183	-	-	183
UPPER EXTREMITIES, NEC	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
ABDOEN	-	-	-	-	1	1	1	-	-	-	488	-	-	488
BACK	-	-	-	-	1	1	1	-	-	-	2,953	-	-	2,953
CHEST	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
PELVIC REGION	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
SHOULDER(S)	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
TRUNK, NEC	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
THIGH	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
KNEE	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
LOWER LEG	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
ANKLE	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
FOOT	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
TOE(S)	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
LOWER EXTREMITIES, NEC	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
BODY SYSTEMS	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
MULTIPLE PARTS OF BODY	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
UNCLASSIFIED	-	-	-	-	1	1	1	-	-	-	2,287	-	-	2,287
TOTAL OR AVERAGE	3	9	452	461	833	369	464	18,000	3,410	10,331	31,741	379	23	68
INDEPENDENT SECTORS	-	-	-	-	1	1	-	-	-	-	-	-	-	-
BACK	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	1	1	-	-	-	-	-	-	-	-

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO-RARY	TOTAL NFDL				TOTAL	PARTIAL	TEMPO-RARY					TOTAL NFDL
PROCESSING PLANTS:															
EAR-----	-	-	1	-	1	11	-	-	-	2	2	-	2	2	
EYE-----	-	-	44	-	44	108	-	-	-	95	95	-	95	1	
JAW-----	-	-	1	-	1	3	-	-	-	1	1	-	1	1	
MOUTH/TEETH/TONGUE-----	-	-	1	-	1	2	-	-	-	1	1	-	1	1	
NOSE-----	-	-	2	-	2	7	-	-	-	4	4	-	4	2	
SCALP-----	-	-	5	-	5	15	-	-	-	29	29	-	29	6	
FACE, NEC-----	-	-	6	-	6	21	-	-	-	179	179	-	179	30	
HEAD, NEC-----	-	-	8	-	8	13	-	-	-	68	68	-	68	8	
NECK-----	-	-	3	-	3	21	-	-	-	185	185	-	185	62	
UPPER ARM-----	-	-	14	-	14	12	-	-	-	274	274	-	274	20	
ELBOW-----	-	-	11	-	11	17	-	-	-	274	274	-	274	25	
FOREARM-----	-	-	27	-	27	49	-	-	-	423	423	-	423	16	
WRIST-----	-	-	27	-	27	52	-	-	-	339	339	-	339	13	
HAND-----	-	-	67	-	67	169	-	-	-	2,723	2,723	-	2,723	36	
FINGERS-----	-	-	20	-	20	35	-	-	-	243	243	-	243	12	
UPPER EXTREMITIES, NEC-----	-	-	7	-	7	7	-	-	-	141	141	-	141	20	
ABDOMEN-----	-	-	240	-	240	76	-	-	-	5,587	5,587	-	5,587	23	
BACK-----	-	-	15	-	15	33	-	-	-	229	229	-	229	15	
CHEST-----	-	-	34	-	34	40	-	-	-	1,046	1,046	-	1,046	31	
PELVIC REGION-----	-	-	36	-	36	51	-	-	-	1,083	1,083	-	1,083	25	
SHOULDER(S)-----	-	-	9	-	9	14	-	-	-	242	242	-	242	30	
TRUNK, NEC-----	-	-	5	-	5	6	-	-	-	94	94	-	94	27	
THIGH-----	-	-	59	-	59	84	-	-	-	1,554	1,554	-	1,554	19	
KNEE-----	-	-	45	-	45	25	-	-	-	299	299	-	299	26	
LOWER LEG-----	-	-	29	-	29	17	-	-	-	872	872	-	872	60	
ANKLE-----	-	-	2	-	2	4	-	-	-	754	754	-	754	19	
FOOT-----	-	-	22	-	22	12	-	-	-	44	44	-	44	26	
TOE(S)-----	-	-	5	-	5	15	-	-	-	861	861	-	861	39	
LOWER EXTREMITIES, NEC-----	-	-	45	-	45	34	-	-	-	38	38	-	38	8	
BODY SYSTEMS-----	-	-	1	-	1	81	-	-	-	918	918	-	918	20	
MULTIPLE PARTS OF BODY-----	1	-	47	-	47	34	-	-	-	50	50	-	50	148	
TOTAL OR AVERAGE-----	1	-	786	-	806	1,529	6,000	-	-	15,407	18,652	171	20	31	

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NFIDL	FATAL	PERMANENT		TOTAL NFIDL	TOTAL FATAL AND NFIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIDL
		TOTAL	PARTIAL	TOTAL				PARTIAL						
TOTAL OR AVERAGE ALL MINES AND PLANTS:														
EAR	-	-	1	1	13	-	-	-	-	2	2	-	2	2
EYE	-	-	62	62	138	-	-	-	-	136	136	-	2	2
JAW	-	-	1	1	4	-	-	-	-	1	1	-	1	1
MOUTH/TEETH/TONGUE	-	-	1	1	25	-	-	-	-	2	2	-	2	2
NOSE	-	-	6	6	3	-	-	-	-	79	79	-	13	13
SCALP	-	-	3	3	3	-	-	-	-	10	10	-	3	3
FACE, NEC	-	-	9	9	16	-	-	-	-	47	47	-	5	5
HEAD, NEC	-	-	11	11	24	-	-	-	-	217	217	-	20	20
NECK	-	-	20	20	25	-	-	-	-	211	211	-	11	11
UPPER ARM	-	-	3	3	3	-	-	-	-	185	185	-	62	62
ELBOW	-	-	23	23	24	-	-	-	-	392	392	-	17	17
FOREARM	-	-	17	17	28	-	-	-	-	365	365	-	21	21
WRIST	-	-	30	30	58	-	-	-	-	541	541	-	18	18
HAND	-	-	38	38	84	-	-	-	-	626	626	-	16	16
FINGER(S)	-	-	118	118	248	-	-	-	-	4,690	4,690	-	40	40
UPPER EXTREMITIES, NEC	-	-	37	37	28	-	-	-	-	550	550	-	15	15
ABDOMEN	-	-	9	9	9	-	-	-	-	176	176	-	20	20
BACK	-	-	356	356	79	-	-	-	-	8,540	8,540	-	229	229
CHEST	-	-	27	27	26	-	-	-	-	412	412	-	15	15
PELVIC REGION	1	-	34	46	54	-	6,000	-	-	3,333	6,412	-	72	72
SHOULDER(S)	-	-	54	54	40	-	-	-	-	1,512	1,512	-	26	26
TRUNK, NEC	-	-	18	18	13	-	-	-	-	499	499	-	17	17
THIGH	-	-	7	7	8	-	-	-	-	116	116	-	25	25
KNEE	-	-	99	99	44	-	-	-	-	2,481	2,481	-	54	54
LOWER LEG	-	-	11	11	10	-	-	-	-	599	599	-	27	27
ANKLE	-	-	79	80	22	-	-	-	-	1,540	2,140	-	19	19
FOOT	-	-	44	44	24	-	-	-	-	1,103	1,103	-	25	25
TOE(S)	-	-	7	7	5	-	-	-	-	119	119	-	17	17
LOWER EXTREMITIES, NEC	-	-	41	41	19	-	-	-	-	1,206	1,206	-	29	29
BODY SYSTEMS	1	-	8	8	12	-	6,000	-	-	99	6,090	-	678	678
MULTIPLE PARTS OF BODY	2	-	76	77	48	-	12,000	-	-	1,983	13,983	-	177	177
UNCLASSIFIED	-	-	1	1	-	-	-	-	-	21	21	-	21	21
TOTAL OR AVERAGE	4	28	1,238	1,266	1,270	1,093	24,000	6,655	25,738	32,393	56,393	238	21	44
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	1	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	1	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	1	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	3	-	-	-	13	13	-	13	13
BACK	-	-	-	-	-	3	-	-	-	20	20	-	20	20
KNEE	-	-	-	-	-	1	-	-	-	53	53	-	13	13
TOTAL OR AVERAGE	-	-	4	4	4	9	-	-	-	-	53	-	13	13

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NOI	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFIDL	
		PERMANENT	TEMPO-RARY						TOTAL	PARTIAL	TOTAL					PARTIAL
			TOTAL	PARTIAL												
GRAND TOTAL OR AVERAGE:	4	28	1,242	1,270	1,274	1,102	2,376	24,000	5,555	25,791	32,446	238	21	21	44	
EAR	-	-	-	-	-	13	14	-	-	-	-	-	-	2	2	2
EYE	-	-	62	62	1	138	200	-	-	-	-	-	-	136	2	2
HEAD	-	-	1	1	1	4	5	-	-	-	-	-	-	1	1	1
HEAD/TEETH/TONGUE	-	-	1	1	1	25	26	-	-	-	-	-	-	2	2	2
NOSE	-	-	6	6	3	3	9	-	-	-	-	-	-	79	13	13
SCALP	-	-	9	9	3	10	19	-	-	-	-	-	-	10	3	3
FACE NEC	-	-	11	11	20	25	36	-	-	-	-	-	-	47	5	5
HEAD NEC	-	-	20	20	3	45	68	-	-	-	-	-	-	217	20	20
NECK	-	-	23	23	3	25	48	-	-	-	-	-	-	211	11	11
UPPER ARM	-	-	17	17	17	28	45	-	-	-	-	-	-	185	62	62
ELBOW	-	-	30	30	38	28	68	-	-	-	-	-	-	392	17	17
FOREARM	-	-	38	38	85	123	123	-	-	-	-	-	-	541	21	21
Wrist	-	-	13	13	25	37	63	-	-	-	-	-	-	626	18	18
Hand	-	-	37	37	9	26	63	-	-	-	-	-	-	550	15	15
FINGER(S)	-	-	9	9	358	12	491	-	-	-	-	-	-	1,948	20	20
UPPER EXTREMITIES, NEC	-	-	358	358	27	26	53	-	-	-	-	-	-	176	24	24
ABDOMEN	-	-	1	1	28	8	34	-	-	-	-	-	-	766	21	21
BACK	-	-	12	12	46	40	94	-	-	-	-	-	-	412	15	15
CHEST	-	-	54	54	18	13	31	-	-	-	-	-	-	983	28	28
PELVIC REGION	-	-	7	7	7	8	15	-	-	-	-	-	-	1,512	28	28
SHOULDER(S)	-	-	100	100	44	144	144	-	-	-	-	-	-	498	17	17
TRUNK, NEC	-	-	11	11	10	21	21	-	-	-	-	-	-	116	25	25
THIGH	-	-	79	79	80	102	102	-	-	-	-	-	-	2,501	54	54
KNEE	-	-	44	44	24	68	68	-	-	-	-	-	-	589	19	19
LOWER LEG	-	-	44	44	5	49	50	-	-	-	-	-	-	1,103	27	27
ANKLE	-	-	7	7	7	19	26	-	-	-	-	-	-	119	25	25
FOOT	-	-	41	41	9	50	50	-	-	-	-	-	-	1,206	17	17
TOE(S)	-	-	8	8	12	20	20	-	-	-	-	-	-	98	28	28
LOWER EXTREMITIES, NEC	-	-	77	77	1	48	125	-	-	-	-	-	-	1,933	21	21
BODY SYSTEMS	-	-	1	1	56,446	-	-	-	-	-	-	-	-	21	44	44
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TEMPORARY	TOTAL NFDL											
		TOTAL	PARTIAL													
UNDERGROUND MINES:																
UNDERGROUND-----	-	-	-	2	2	2	-	2	-	.05	.05	-	.05	-	1	1
BURN/SCALD (NOT CHEM.)----	-	-	-	-	-	-	3	-	-	-	.08	.08	-	-	-	-
CHEMICAL BURN-----	-	-	-	1	1	1	-	-	-	.03	.03	-	.03	-	(*)	(*)
CONCUSSION (CEREBRAL)-----	-	-	-	27	27	27	25	52	-	.71	.71	.66	1.37	-	9	9
CONTUSION OR BRUISE-----	-	-	-	16	16	16	50	66	-	.42	.42	1.32	1.74	-	5	5
CUT OR PUNCTURE-----	-	-	-	-	-	-	1	-	-	-	.03	.03	-	-	-	-
DERMATITIS-----	-	-	-	1	1	1	2	3	-	.03	.03	.05	.08	-	1	1
DISLOCATION-----	-	-	-	1	1	1	4	5	-	.03	.03	.11	.13	-	(*)	(*)
DUST IN EYE-----	-	-	-	1	1	1	-	1	-	.03	.03	.03	.03	158	-	158
ELECTRIC SHOCK-----	1	-	-	-	-	-	1	2	-	.77	.77	.16	.92	-	1	1
ELECT. BURN (CONTACT)-----	-	-	-	29	29	29	6	35	-	.03	.03	.03	.03	-	1	1
FRACTURE-----	-	-	-	-	-	-	1	1	-	.03	.03	.03	.03	-	-	-
HERNIA (NOT DISC)-----	-	-	-	-	-	-	1	1	-	.03	.03	.03	.03	-	(*)	(*)
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	1	7	-	.08	.08	.11	.18	-	(*)	(*)
RADIATION/ULTRA VIOLET-----	-	-	-	3	3	3	4	7	-	1.95	1.95	1.43	3.38	-	48	48
SCRATCH/ABRASION-----	-	-	-	74	74	74	54	128	-	.42	.45	.40	.84	158	21	179
STRAIN/SPRAIN-----	1	1	1	15	16	17	15	32	.03	.05	.05	.03	.08	-	4	4
MULTIPLE INJURIES-----	-	-	-	2	2	2	11	19	-	.21	.21	.29	.50	-	3	3
OTHER INJURY, NEC-----	-	-	-	8	8	8	-	-	-	4.83	4.88	4.70	9.58	317	137	454
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	2	-	2	181	183	185	178	363	.05	4.83	4.88	4.70	9.58	-	-	-
SURFACE AT UNDERGROUND:																
CHEMICAL BURN-----	-	-	-	-	-	-	1	1	-	.57	.57	.14	.14	-	26	26
CONCUSSION OR BRUISE-----	-	-	-	4	4	4	7	11	-	.43	.43	2.01	1.58	-	4	4
CUT OR PUNCTURE-----	-	-	-	3	3	3	14	17	-	.14	.14	.29	.43	-	8	8
ELECTRIC SHOCK-----	-	-	-	1	1	1	1	3	-	.14	.14	.14	.14	-	5	5
FRACTURE-----	-	-	-	1	1	1	2	3	-	.14	.14	.14	.14	-	(*)	(*)
HERNIA (NOT DISC)-----	-	-	-	1	1	1	-	1	-	.14	.14	.14	.14	-	(*)	(*)
RADIATION/ULTRA VIOLET-----	-	-	-	1	1	1	-	1	-	.14	.14	.14	.14	-	(*)	(*)
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	.14	.14	.14	.14	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	-	20	20	20	8	28	-	2.87	2.87	1.15	4.02	-	59	59
MULTIPLE INJURIES-----	-	-	-	2	2	2	-	2	-	.29	.29	.14	.29	-	24	24
UNCLASSIFIED (NO DATA)-----	-	-	-	3	3	3	1	4	-	.43	.43	.14	.57	-	17	17
TOTAL OR AVERAGE-----	-	-	-	37	37	37	33	70	-	5.31	5.31	4.73	10.04	-	144	144

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES							
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL				
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL INJURIES															
																	TOTAL	PARTIAL	TOTAL NFDL	TOTAL INJURIES
TOTAL OR AVERAGE, UG:																				
BURN/SCALD (NOT CHEM.)	-	-	-	2	2	2	2	2	2	.04	.04	-	.04	-	(*)	(*)				
CHEMICAL BURN	-	-	-	1	1	1	1	1	1	.02	.02	.09	.09	-	(*)	(*)				
CONCUSSION (CEREBRAL)	-	-	-	31	31	31	31	31	31	.69	.69	.71	1.40	-	12	12				
CONTUSION OR BRUISE	-	-	-	19	19	19	19	19	19	.42	.42	1.43	1.85	-	5	5				
CUT OR PUNCTURE	-	-	-	1	1	1	1	1	1	.02	.02	.02	.02	-	1	1				
DERMATITIS	-	-	-	1	1	1	1	1	1	.02	.02	.04	.07	-	(*)	(*)				
DISLOCATION	-	-	-	1	1	1	1	1	1	.02	.02	.09	.11	-	(*)	(*)				
DUST IN EYE	-	-	-	1	1	1	1	1	1	.02	.02	.02	.04	-	1	1				
ELECTRIC SHOCK	-	-	-	1	1	1	1	1	1	.02	.02	.02	.04	-	1	1				
ELECT. BURN (CONTACT)	-	-	-	1	1	1	1	1	1	.67	.67	.18	.85	-	36	36				
FRACTURE	-	-	-	30	30	30	30	30	30	.04	.04	.02	.04	-	1	1				
HERNIA (NOT DISC)	-	-	-	1	1	1	1	1	1	.04	.04	.02	.02	-	(*)	(*)				
POISONING (SYSTEMIC)	-	-	-	2	2	2	2	2	2	.09	.09	.09	.18	-	(*)	(*)				
RADIATION/ULTRA VIOLET	-	-	-	4	4	4	4	4	4	2.10	2.10	1.38	3.48	-	50	50				
SCRATCH/ABRASION	-	-	-	94	94	94	94	94	94	.40	.42	.33	.76	-	21	21				
STRAIN/SPRAIN	-	-	-	17	17	17	17	17	17	.04	.04	.02	.07	-	3	3				
MULTIPLE INJURIES	-	-	-	2	2	2	2	2	2	.25	.25	.27	.51	-	5	5				
OTHER INJURY, NEC	-	-	-	11	11	11	11	11	11	.04	.04	.02	.07	-	3	3				
UNCLASSIFIED (NO DATA)	-	-	-	2	2	2	2	2	2	.04	.04	4.70	9.55	-	138	406				
TOTAL OR AVERAGE	2	2	218	220	222	222	211	433	.04	4.90	4.95	4.70	9.55	267	138	406				
SURFACE MINES:																				
OPEN PIT:																				
AMPUTATION/ENUCLEATION	-	-	-	4	4	4	4	4	4	.06	.06	-	.06	-	13	13				
BURN/SCALD (NOT CHEM.)	-	-	-	1	1	1	1	1	1	.02	.02	.15	.17	-	(*)	(*)				
CHEMICAL BURN	-	-	-	2	2	2	2	2	2	.03	.03	.11	.14	-	1	1				
CONTUSION OR BRUISE	-	-	-	20	20	20	21	21	21	.31	.32	.32	.65	-	5	97				
CUT OR PUNCTURE	-	-	-	23	23	23	23	23	23	.35	.35	.75	1.11	-	4	4				
DERMATITIS	-	-	-	1	1	1	1	1	1	.02	.02	.02	.02	-	(*)	(*)				
DISLOCATION	-	-	-	1	1	1	1	1	1	.02	.02	.02	.02	-	(*)	(*)				
DUST IN EYE	-	-	-	1	1	1	1	1	1	.02	.02	.09	.11	-	(*)	(*)				
ELECT. BURN (CONTACT)	-	-	-	1	1	1	1	1	1	.02	.02	.02	.02	-	7	7				
FRACTURE	-	-	-	17	17	17	9	9	9	.26	.26	.14	.40	-	2	2				
HERNIA (NOT DISC)	-	-	-	2	2	2	2	2	2	.03	.03	.03	.03	-	(*)	(*)				
POISONING (SYSTEMIC)	-	-	-	2	2	2	2	2	2	.03	.03	.03	.06	-	(*)	(*)				
RADIATION/ULTRA VIOLET	-	-	-	2	2	2	2	2	2	.03	.03	.03	.06	-	(*)	(*)				
SCRATCH/ABRASION	-	-	-	2	2	2	2	2	2	.03	.03	.03	.06	-	(*)	(*)				
STRAIN/SPRAIN	-	-	-	125	125	125	25	25	25	1.92	1.92	.38	2.30	-	46	46				
MULTIPLE INJURIES	-	-	-	22	22	22	15	15	15	.35	.35	.23	.58	-	32	32				
OTHER INJURY, NEC	-	-	-	12	12	12	5	5	5	.18	.18	.08	.26	-	5	5				
UNCLASSIFIED (NO DATA)	-	-	-	7	7	7	155	155	155	3.64	3.66	2.38	6.04	92	114	206				
TOTAL OR AVERAGE	1	1	230	237	238	238	155	393	.02	3.64	3.66	2.38	6.04	92	114	206				
DREDGE:																				
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	-	-	-	-	-	-	.69	.69	-	-	-				
CONTUSION OR BRUISE	-	-	-	2	2	2	2	2	2	1.39	1.39	.69	1.39	-	8	8				
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	.69	.69	-	-	-				
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	.69	.69	-	-	-				
STRAIN/SPRAIN	-	-	-	2	2	2	2	2	2	1.39	1.39	-	1.39	-	62	62				
TOTAL OR AVERAGE	-	-	-	4	4	4	3	7	-	2.77	2.77	2.08	4.85	-	70	70				

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES					
	FATAL	NFDL				TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJURY RATES	FATAL	NFDL	ALL FATAL AND NFDL		
		PERMANENT	TEMPORARY	TOTAL	NFDL													
																	TOTAL	PARTIAL
TOTAL OR AVERAGE, SURFACE	-	-	4	-	4	4	-	4	-	06	06	-	06	-	13	13		
AMPUTATION/ENUCLEATION	-	-	-	1	1	1	11	12	-	02	02	17	18	-	(*)	(*)		
BURN/SCALD (HOT CHEM.)	-	-	-	2	2	2	7	9	-	03	03	11	14	-	1	1		
CHEMICAL BURN	-	-	-	22	23	23	21	44	02	33	35	32	66	90	5	95		
CONTUSION OR BRUISE	1	-	-	23	23	23	50	73	-	35	35	35	110	-	4	4		
CUT OR PUNCTURE	-	-	-	-	-	-	1	1	-	-	-	02	02	-	(*)	(*)		
DERMATITIS	-	-	-	1	1	1	1	8	-	02	02	11	12	-	(*)	(*)		
DISLOCATION	-	-	-	1	1	1	7	1	-	02	02	02	02	-	-	-		
DUST IN EYE	-	-	-	-	-	-	1	1	-	-	-	02	02	-	7	7		
ELECT. BURN (CONTACT)	-	-	-	-	-	-	17	9	-	26	26	14	36	-	2	2		
FRACTURE	-	-	-	17	17	17	2	2	-	03	03	02	03	-	(*)	(*)		
HERNIA (NOT DISC)	-	-	-	2	2	2	2	3	-	03	03	03	06	-	(*)	(*)		
POISONING (SYSTEMIC)	-	-	-	2	2	2	2	4	-	03	03	03	05	-	(*)	(*)		
RADIATION/ULTRA VIOLET	-	-	-	2	2	2	2	4	-	03	03	03	05	-	(*)	(*)		
SCRATCH/ABRASION	-	-	-	2	2	2	2	4	-	03	03	03	05	-	(*)	(*)		
STRAIN/SPRAIN	-	-	-	127	127	127	25	152	-	1.91	1.91	38	2.29	-	46	46		
MULTIPLE INJURIES	-	-	-	22	23	23	15	38	-	35	35	23	57	-	31	31		
OTHER INJURY, NEC	-	-	-	1	1	1	1	1	-	-	-	02	02	-	-	-		
UNCLASSIFIED (NO DATA)	-	-	-	12	12	12	5	17	-	18	18	08	26	-	4	4		
TOTAL OR AVERAGE	1	-	7	234	241	242	158	400	02	3.62	3.64	2.38	6.01	90	113	203		
TOTAL OR AVERAGE, MINING:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMPUTATION/ENUCLEATION	-	-	4	-	4	4	-	4	-	04	04	-	04	-	8	8		
BURN/SCALD (HOT CHEM.)	-	-	-	3	3	3	11	14	-	03	03	10	13	-	(*)	(*)		
CHEMICAL BURN	-	-	-	2	2	2	11	13	-	02	02	10	12	-	(*)	(*)		
CONCUSSION (CEREBRAL)	-	-	-	1	1	1	-	1	-	01	01	-	01	-	(*)	(*)		
CONTUSION OR BRUISE	1	-	-	53	54	54	53	107	01	48	48	48	96	54	8	62		
CUT OR PUNCTURE	-	-	-	42	42	42	114	156	-	38	38	1.02	1.40	-	4	4		
DERMATITIS	-	-	-	-	-	-	2	2	-	-	-	02	02	-	(*)	(*)		
DISLOCATION	-	-	-	2	2	2	2	4	-	02	02	02	04	-	(*)	(*)		
DUST IN EYE	-	-	-	2	2	2	11	13	-	02	02	10	12	-	(*)	(*)		
ELECTRIC SHOCK	1	-	-	1	1	1	2	3	01	01	01	02	03	54	(*)	(*)		
ELECT. BURN (CONTACT)	-	-	-	1	1	1	2	3	-	01	01	02	03	-	(*)	(*)		
FRACTURE	-	-	-	47	47	47	17	64	-	42	42	15	57	-	19	19		
HERNIA (NOT DISC)	-	-	3	-	3	3	4	4	-	04	04	-	04	-	1	1		
POISONING (SYSTEMIC)	-	-	-	2	2	2	2	4	-	02	02	02	04	-	(*)	(*)		
RADIATION/ULTRA VIOLET	-	-	-	2	2	2	2	4	-	04	04	02	05	-	(*)	(*)		
SCRATCH/ABRASION	-	-	-	6	6	6	6	12	-	05	05	05	11	-	(*)	(*)		
STRAIN/SPRAIN	-	-	-	221	221	221	87	308	-	1.98	1.98	78	2.77	-	48	48		
MULTIPLE INJURIES	1	-	-	39	41	42	30	72	01	37	38	27	65	54	27	81		
OTHER INJURY, NEC	-	-	-	2	2	2	2	4	-	02	02	02	04	-	1	1		
UNCLASSIFIED (NO DATA)	-	-	-	23	23	23	17	40	-	21	21	15	36	-	5	5		
TOTAL OR AVERAGE	3	-	9	452	461	464	369	833	03	4.14	4.17	3.31	7.48	162	123	285		
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
STRAIN/SPRAIN	-	-	-	-	-	-	1	1	-	-	-	22.02	22.02	-	-	-		
TOTAL OR AVERAGE	-	-	-	-	-	-	1	1	-	-	-	22.02	22.02	-	-	-		

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL													
																TOTAL	PARTIAL
-	-	9	-	9	9	-	9	-	.05	.05	-	.05	-	11	11		
-	-	-	-	-	-	2	2	-	-	-	.01	.01	-	-	-		
-	-	-	19	19	19	27	46	-	.11	.11	.15	.26	-	2	2		
-	-	-	7	7	7	18	25	-	.04	.04	.10	.14	-	(*)	(*)		
-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)		
-	-	-	78	78	78	100	178	-	.44	.44	.56	1.00	-	4	4		
-	-	-	60	60	60	201	261	-	.34	.34	1.13	1.46	-	3	3		
-	-	-	-	-	-	8	8	-	-	-	.04	.04	-	-	-		
-	-	-	4	4	4	4	4	-	.02	.02	.02	.04	-	1	1		
-	-	-	20	20	20	45	65	-	.11	.11	.25	.36	-	(*)	(*)		
-	-	-	1	1	1	2	3	-	.01	.01	.01	.02	-	(*)	(*)		
-	-	-	2	2	2	1	3	-	.01	.01	.01	.02	-	(*)	(*)		
-	-	-	57	57	57	37	94	-	.32	.32	.21	.53	-	15	15		
-	-	8	1	9	9	-	9	-	.05	.05	-	.05	-	2	2		
-	-	-	4	4	4	6	10	-	.02	.02	.03	.06	-	(*)	(*)		
-	-	-	4	4	4	11	15	-	.02	.02	.06	.08	-	(*)	(*)		
-	-	-	6	6	6	13	19	-	.03	.03	.07	.11	-	1	1		
-	-	-	427	428	428	169	597	-	2.40	2.40	.95	3.34	-	50	50		
-	-	1	1	55	56	42	99	-	.31	.32	.24	.55	34	8	42		
-	-	-	11	11	11	14	25	-	.06	.06	.08	.14	-	2	2		
-	-	-	29	29	29	23	52	-	.16	.16	.13	.29	-	3	3		
-	-	19	785	805	806	723	1,529	01	4.51	4.51	4.05	8.56	34	104	138		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-															

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			
	FATAL	PERMANENT		TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL	TOTAL INJURIES	NOL	FATAL	NFDL	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	ALL FATAL AND NFDL	
		TOTAL	PARTIAL													
																TOTAL
TOTAL OR AVERAGE																
ALL MINES AND PLANTS																
AMPUTATION/ENUCLEATION		13			13	13										
ASPHYXIATION/DROWNING																
BURN/SCALD (NOT CHEM.)				22	22	22	25	25								
CHEMICAL BURN				9	9	9	13	13								
CONCUSSION (CEREBRAL)				12	12	12	13	13								
CONCUSSION OR BRUISE				102	102	102	102	102								
CUT OR PUNCTURE																
DERMATITIS																
DISLOCATION																
DUST IN EYE				22	22	22	25	25								
ELECTRIC SHOCK																
ELECT. BURN (CONTACT)				104	104	104	104	104								
FRACTURE																
HERNIA (NOT DISC)				13	13	13	13	13								
POISONING (SYSTEMIC)																
RADIATION/ULTRA VIOLET																
SCRATCH/ABRASION																
STRAIN/SPRAIN																
MULTIPLE INJURIES																
OTHER INJURY, NEC																
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE	4	28		1,236	1,266	1,270	2,353	1,093	01	43	63	112	139			
OFFICE:																
CONCUSSION (CEREBRAL)																
CUT OR PUNCTURE																
SCRATCH/ABRASION																
STRAIN/SPRAIN																
TOTAL OR AVERAGE																

TABLE 11. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPORARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL				
UNDERGROUND MINES:															
UNDERGROUND:															
BURN/SCALD (NOT CHEM.)	-	-	2	2	2	3	-	-	-	21	-	-	21	10	
CHEMICAL BURN	-	-	-	-	-	3	-	-	-	12	-	-	12	12	
CONCUSSION (CEREBRAL)	-	-	27	27	27	25	-	-	-	357	-	-	357	13	
CONCUSSION OF BRUISE	-	-	16	16	16	50	-	-	-	192	-	-	192	12	
CUT OR PUNCTURE	-	-	-	-	-	2	-	-	-	34	-	-	34	34	
DERMATITIS	-	-	-	-	-	1	-	-	-	7	-	-	7	7	
DISLOCATION	-	-	-	-	-	1	-	-	-	51	-	-	51	51	
DUST IN EYE	-	-	-	-	-	1	-	-	-	50	-	-	50	50	
ELECTRIC SHOCK	1	-	-	-	-	25	-	6,000	-	-	-	-	-	-	
ELECT. BURN (CONTACT)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HERNIA (NOT DISC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RADIATION/ULTRA VIOLET	-	-	74	74	74	54	-	6,000	-	1,822	-	-	1,822	25	
SCALD/ABRASION	-	-	15	15	15	15	-	-	-	166	-	-	166	14	
STRAIN/SPRAIN	1	-	1	1	1	11	-	-	-	110	-	-	110	14	
MULTIPLE INJURIES	-	-	181	181	181	363	-	12,000	-	4,555	-	-	4,555	93	
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
SURFACE AT UNDERGROUND:															
CHEMICAL BURN	-	-	4	4	4	1	-	-	-	183	-	-	183	46	
CONCUSSION OR BRUISE	-	-	3	3	3	14	-	-	-	25	-	-	25	13	
CUT OR PUNCTURE	-	-	1	1	1	2	-	-	-	2	-	-	2	2	
ELECTRIC SHOCK	-	-	1	1	1	1	-	-	-	2	-	-	2	2	
FRACTURE	-	-	1	1	1	1	-	-	-	2	-	-	2	2	
HERNIA (NOT DISC)	-	-	1	1	1	1	-	-	-	2	-	-	2	2	
RADIATION/ULTRA VIOLET	-	-	20	20	20	8	-	-	-	414	-	-	414	21	
SCALD/ABRASION	-	-	2	2	2	1	-	-	-	166	-	-	166	14	
STRAIN/SPRAIN	-	-	3	3	3	1	-	-	-	117	-	-	117	39	
MULTIPLE INJURIES	-	-	37	37	37	33	-	-	-	1,001	-	-	1,001	27	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 11. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY
		PERMANENT	TEMPORARY	TOTAL				TOTAL	TOTAL				
										TOTAL			
TOTAL OR AVERAGE, U.S.:	-	-	2	2	2	-	-	-	-	21	-	-	10
BURN/SCALD (NOT CHEM.)	-	-	1	1	1	-	-	-	-	12	-	-	12
CHEMICAL BURN	-	-	31	19	50	-	-	-	-	540	-	-	17
CONCUSSION (CEREBRAL)	-	-	19	19	38	-	-	-	-	217	-	-	11
CONCUSSION OR BRUISE	-	-	-	-	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	34	-	-	34
DERMATITIS	-	-	-	-	-	-	-	-	-	7	-	-	7
DISLOCATION	-	-	-	-	-	-	-	-	-	55	-	-	55
DUST IN EYE	-	-	-	-	-	-	-	-	-	51	-	-	51
ELECTRIC SHOCK	-	-	-	-	-	-	-	-	-	1,622	-	-	54
ELECT. BURN (CONTACT)	-	-	-	-	-	-	-	-	-	52	-	-	2
FRACTURE	-	-	-	-	-	-	-	-	-	5	-	-	5
HEMURIA (NOT DISC)	-	-	-	-	-	-	-	-	-	11	-	-	11
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	2,236	-	-	24
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	-	-	-	6,961	-	-	366
SCALD/ABRASION	-	-	-	-	-	-	-	-	-	155	-	-	78
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	227	-	-	21
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	5,555	-	-	25
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	18,206	-	-	82
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	2	-	218	220	222	211	12,000	-	550	-	860	215	215
SURFACE MINES:													
OPEN PIT:													
AMPUTATION/EMBLICATION	-	-	-	-	-	-	-	-	-	-	-	-	-
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEMICAL BURN	-	-	-	-	-	-	-	-	-	-	-	-	-
CONCUSSION OR BRUISE	-	-	-	-	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-
DERMATITIS	-	-	-	-	-	-	-	-	-	-	-	-	-
DISLOCATION	-	-	-	-	-	-	-	-	-	-	-	-	-
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECT. BURN (CONTACT)	-	-	-	-	-	-	-	-	-	-	-	-	-
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-
HEMURIA (NOT DISC)	-	-	-	-	-	-	-	-	-	-	-	-	-
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-
SCALD/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	-	230	237	238	155	5,000	-	2,750	-	860	215	215
DREDGE:													
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	-	-	-	-	-	-	-	-
CONCUSSION OR BRUISE	-	-	-	-	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 11 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT NONFEDERAL MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY										
	FATAL	MIDL			TOTAL FATAL AND MIDL	NOI	TOTAL INJURIES	FATAL	MIDL			TOTAL FATAL AND MIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND MIDL								
		PERMANENT	MIDL						TOTAL	PARTIAL	TEMPORARY												
			TOTAL	PARTIAL																			
TOTAL OR AVERAGE, SURFACE:																							
AMPUTATION/AMPUTATION	-	4	4	-	4	4	4	-	860	-	-	860	215	-	215								
BURN/SCALD (NOT CHEM.)	-	-	1	-	1	1	1	-	2	-	-	2	-	2	2								
CHEMICAL BURN	-	-	2	-	2	2	2	-	34	-	-	34	-	34	17								
CONTUSION OR BRUISE	-	-	22	-	22	22	22	5,000	331	-	-	331	-	331	275								
CUT OR PUNCTURE	1	-	23	-	23	23	23	-	251	-	-	251	-	251	11								
DERMATITIS	-	-	1	-	1	1	1	-	11	-	-	11	-	11	11								
DISLOCATION	-	-	1	-	1	1	1	-	1	-	-	1	-	1	1								
DUST IN EYE	-	-	1	-	1	1	1	-	1	-	-	1	-	1	1								
ELECT. BURN (CONTACT)	-	-	17	-	17	17	17	-	470	-	-	470	-	470	28								
FRACTURE	-	2	2	-	2	2	2	-	100	-	-	100	50	-	50								
HERNIA (NOT DISC)	-	-	2	-	2	2	2	-	6	-	-	6	-	6	3								
POISONING (SYSTEMIC)	-	-	2	-	2	2	2	-	2	-	-	2	-	2	1								
RADIATION/ULTRA VIOLET	-	-	2	-	2	2	2	-	4	-	-	4	-	4	2								
SCALD/ABRASION	-	-	127	-	127	127	127	-	3,075	-	-	3,075	1,800	-	2,275								
STRAIN/SPRAIN	-	-	22	-	22	22	22	-	286	-	-	286	-	286	24								
MULTIPLE INJURY, NEC	-	-	12	-	12	12	12	-	257	-	-	257	-	257	91								
OTHER INJURY, NEC	-	-	12	-	12	12	12	-	257	-	-	257	-	257	25								
UNCLASSIFIED (NO DATA)	-	-	7	-	7	7	7	-	2,760	-	-	2,760	354	-	3,114								
TOTAL OR AVERAGE	1	-	234	-	234	234	400	5,000	860	-	-	860	215	-	1,075								
TOTAL OR AVERAGE, MINING:																							
AMPUTATION/AMPUTATION	-	4	4	-	4	4	4	-	860	-	-	860	215	-	215								
BURN/SCALD (NOT CHEM.)	-	-	3	-	3	3	3	-	23	-	-	23	-	23	8								
CHEMICAL BURN	-	-	2	-	2	2	2	-	34	-	-	34	-	34	17								
CONTUSION OR BRUISE	-	-	1	-	1	1	1	-	12	-	-	12	-	12	12								
CUT OR PUNCTURE	1	-	53	-	53	53	53	6,000	871	-	-	871	-	871	127								
DERMATITIS	-	-	42	-	42	42	42	-	458	-	-	458	-	458	11								
DISLOCATION	-	-	2	-	2	2	2	-	45	-	-	45	-	45	22								
DUST IN EYE	-	-	2	-	2	2	2	-	10	-	-	10	-	10	4								
ELECTRIC SHOCK	1	-	1	-	1	1	1	-	51	-	-	51	-	51	3,028								
ELECT. BURN (CONTACT)	-	-	47	-	47	47	47	-	2,052	-	-	2,052	50	-	2,102								
FRACTURE	-	3	3	-	3	3	3	-	150	-	-	150	-	150	38								
HERNIA (NOT DISC)	-	-	1	-	1	1	1	-	6	-	-	6	-	6	3								
POISONING (SYSTEMIC)	-	-	2	-	2	2	2	-	7	-	-	7	-	7	2								
RADIATION/ULTRA VIOLET	-	-	4	-	4	4	4	-	15	-	-	15	-	15	2								
SCALD/ABRASION	-	-	6	-	6	6	6	-	5,312	-	-	5,312	1,200	-	6,512								
STRAIN/SPRAIN	-	-	221	-	221	221	221	-	5,312	-	-	5,312	-	5,312	24								
MULTIPLE INJURY, NEC	1	-	36	-	36	36	36	-	524	-	-	524	-	524	78								
OTHER INJURY, NEC	-	-	2	-	2	2	2	-	13	-	-	13	-	13	23								
UNCLASSIFIED (NO DATA)	-	-	23	-	23	23	23	-	3,410	-	-	3,410	375	-	3,785								
TOTAL OR AVERAGE	3	-	452	-	452	452	633	18,000	860	-	-	860	215	-	1,075								
TOTAL OR AVERAGE, INDEPENDENT SECTORS:																							
STRAIN/SPRAIN	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-								
TOTAL OR AVERAGE	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-								

TABLE 11 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1992 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS					AVERAGE SEVERITY									
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL							
		TOTAL	PARTIAL	TEMPORARY				TOTAL	PERMANENT	PARTIAL											
PROCESSING PLANTS:																					
AMPUTATION/CAUTERIZATION	-	9	-	-	9	9	-	-	-	-	1,895	211	-	211							
ASPHALTATION/PAVING	-	-	-	-	-	2	-	-	-	-	-	-	-	-							
BURN/SCALD (HOT OIL)	-	-	-	19	19	27	-	-	-	-	417	-	22	239							
CHEMICAL BURN	-	-	-	1	1	18	-	-	-	-	55	-	4	59							
CONCUSSION (GENERAL)	-	-	-	78	78	100	-	-	-	-	761	-	10	771							
CONCUSSION OR BRUISE	-	-	-	60	60	201	-	-	-	-	525	-	9	534							
CUT OR PUNCTURE	-	-	-	4	4	8	-	-	-	-	230	-	50	280							
DERMATITIS	-	-	-	20	20	45	-	-	-	-	31	-	12	43							
DISLOCATION	-	-	-	1	1	2	-	-	-	-	12	-	26	38							
DUST IN EYE	-	-	-	2	2	1	-	-	-	-	57	-	48	65							
ELECTRIC SHOCK	-	-	-	57	57	37	-	-	-	-	2,717	-	26	2,743							
ELECT. BURN (CONTACT)	-	-	-	1	1	9	-	-	-	-	44	50	41	95							
FRACTURE	-	8	-	4	12	24	-	-	-	-	26	-	2	34							
HEMIA (NOT DISC)	-	-	-	4	4	6	-	-	-	-	8	-	18	24							
POISONING (SYSTEMIC)	-	-	-	4	4	10	-	-	-	-	26	-	2	32							
PROLAPSE/ULTRA VIOLET	-	-	-	4	4	15	-	-	-	-	102	-	17	119							
SCRATCH/ABRASION	-	-	-	6	6	19	-	-	-	-	8	-	25	34							
STRAIN/SPRAIN	-	-	-	427	428	597	-	-	-	-	6,325	900	19	7,224							
MULTIPLE INJURIES	1	1	-	55	56	42	6,000	-	-	-	1,419	50	25	1,494							
OTHER INJURY NEC	-	-	-	11	11	14	-	-	-	-	428	-	21	449							
UNCLASSIFIED (NO DATA)	-	-	-	29	29	52	-	-	-	-	595	-	20	615							
TOTAL OR AVERAGE	1	19	785	805	806	773	6,000	3,245	-	-	16,407	171	20	24,652							

TABLE 11. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL				TOTAL	PARTIAL	TOTAL					
TOTAL OR AVERAGE	4	28	1,238	1,266	1,270	2,363	24,000	5,655	25,738	32,393	238	21	44		
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONCUSSION (CEREBRAL)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SCALD/BURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 11. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		TOTAL	PERMANENT	TEMPORARY					TOTAL	TEMPORARY	TOTAL				
-	13	-	13	13	-	13	-	-	2,755	-	2,755	212	-	212	212
-	-	-	22	22	-	2	-	-	-	-	-	-	-	-	-
-	-	-	9	9	-	38	-	-	-	-	-	-	-	-	-
-	-	-	2	2	-	1	-	-	-	-	-	-	-	-	-
1	-	131	103	132	153	285	6,000	-	-	-	-	-	-	-	-
-	-	103	103	103	318	421	-	-	-	-	-	-	-	-	-
-	-	6	6	6	10	10	-	-	-	-	-	-	-	-	-
-	-	22	22	22	56	78	-	-	-	-	-	-	-	-	-
1	-	2	3	3	2	5	6,000	-	-	-	-	-	-	-	-
-	-	104	104	104	54	158	-	-	-	-	-	-	-	-	-
-	11	2	13	13	8	14	-	-	-	-	-	-	-	-	-
-	-	6	6	6	13	21	-	-	-	-	-	-	-	-	-
-	-	12	12	12	20	32	-	-	-	-	-	-	-	-	-
-	1	651	652	652	261	913	-	-	-	-	-	-	-	-	-
2	3	94	97	99	72	171	12,000	-	-	-	-	-	-	-	-
-	-	13	13	13	16	29	-	-	-	-	-	-	-	-	-
-	-	52	52	52	40	92	-	-	-	-	-	-	-	-	-
4	28	1,242	1,270	1,274	1,102	2,376	24,000	-	6,655	25,791	32,446	56,446	238	21	44
GRAND TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMPUTATION/ENUCLEATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASPHYXIATION/CHOKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEMICAL BURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONCUSSION (EXTRACRAN.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DERMATITIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DISLOCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRIC SHOCK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECT. BURN (CONTACT)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEMIA (NOT DISC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURY, NEC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

NUMBER OF INJURIES										LOST WORKDAYS					AVERAGE SEVERITY		
PART OF BODY INJURED AND NATURE OF INJURY	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT	TOTAL		TOTAL NFDL												
			TOTAL	PARTIAL													
EAR: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - -	- - - - - - -	1 - - - - - 1	1 - - - - - 1	6 1 2 2 2 1 14	- - - - - - -	- - - - - - -	- - - - - - -	2 - - - - - 2	- - - - - - -	2 - - - - - 2	2 - - - - - 2					
EYE: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DUST IN EYE----- RADIATION/ULTRA VIOLET----- SCALD/ABRASION----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - - -	- - - - - - - - - - -	1 6 1 14 22 5 8 2 3 - 62	1 6 1 14 22 5 8 2 3 - 62	3 17 2 53 78 16 18 2 10 1 200	- - - - - - - - - - -	- - - - - - - - - - -	- - - - - - - - - - -	2 16 6 27 39 8 15 8 15 - 136	2 16 6 27 39 8 15 8 15 - 136	2 16 6 27 39 8 15 8 15 - 136	2 16 6 27 39 8 15 8 15 - 136	2 16 6 27 39 8 15 8 15 - 136				
JAW: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	- 1 - - - 1	1 - - - - 1	1 2 1 1 1 5	- - - - - -	- - - - - -	- - - - - -	1 - - - - 1	1 - - - - 1	1 - - - - 1	1 - - - - 1	1 - - - - 1				
MOUTH/TEETH/TONGUE: CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - -	- - - - - - -	- - - 1 - - 1	- - - 1 - - 1	2 1 8 10 4 1 26	- - - - - - -	- - - - - - -	- - - - - - -	- - - 2 - - -	- - - 2 - - -	- - - 2 - - -	- - - 2 - - -	- - - 2 - - -	- - - 2 - - -			
NOSE: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- FRACTURE----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	- 1 2 3 6	1 1 2 3 6	1 2 2 4 9	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -			

TABLE 12 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT NONFEDERAL MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TOTAL						PERMANENT	TEMPO- RARY	TOTAL NFDL				
			TOTAL	PARTIAL											
SCALP: CUT OR PUNCTURE----- TOTAL OR AVERAGE-----	-	-	3	3	3	-	3	-	-	-	10	-	3	3	
FACE, NEC: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DERMATITIS----- FRACTURE----- RADIATION/ULTRA VIOLET----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	-	-	2	2	2	1	3	-	-	-	8	-	4	4	
HEAD, NEC: CONCUSSION (CEREBRAL)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	-	-	2	2	2	1	3	-	-	-	16	-	8	8	
NECK: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DERMATITIS----- SCALD/ABRASION----- STRAIN/SPRAIN----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	-	-	2	2	2	2	36	-	-	-	217	-	20	20	
UPPER ARM: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- STRAIN/SPRAIN----- TOTAL OR AVERAGE-----	-	-	3	3	3	1	3	-	-	-	185	-	62	62	

TABLE 12. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL					TOTAL	PERMANENT	TEMPORARY					TOTAL
ELBOW:	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	
BURN/SCALD (NOT CHEM.)	-	-	8	8	8	7	15	-	-	-	-	-	-	6	6	
CONTUSION OR BRUISE	-	-	2	2	2	3	5	-	-	-	-	-	-	20	20	
CUT OR PUNCTURE	-	-	1	1	1	-	1	-	-	-	-	-	-	34	34	
DISLOCATION	-	-	1	1	1	-	1	-	-	-	-	-	-	25	25	
FRACTURE	-	-	1	1	1	1	1	-	-	-	-	-	-	6	6	
SCRATCH/ABRASION	-	-	8	8	8	7	15	-	-	-	-	-	-	45	45	
STRAIN/SPRAIN	-	-	-	-	-	2	2	-	-	-	-	-	-	176	176	
MULTIPLE INJURIES	-	-	1	1	1	2	4	-	-	-	-	-	-	13	13	
OTHER INJURY, NEC	-	-	2	2	2	2	4	-	-	-	-	-	-	17	17	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	25	48	-	-	-	-	-	-	392	392	
TOTAL OR AVERAGE	-	-	23	23	23	25	48	-	-	-	-	-	-	2	2	
FOREARM:	-	-	-	-	-	4	5	-	-	-	-	-	-	2	2	
BURN/SCALD (NOT CHEM.)	-	-	1	1	1	4	5	-	-	-	-	-	-	4	4	
CONTUSION OR BRUISE	-	-	1	1	1	4	5	-	-	-	-	-	-	5	5	
CUT OR PUNCTURE	-	-	3	3	3	14	17	-	-	-	-	-	-	76	76	
DERMATITIS	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
FRACTURE	-	-	3	3	3	3	3	-	-	-	-	-	-	229	229	
SCRATCH/ABRASION	-	-	-	-	-	1	1	-	-	-	-	-	-	104	104	
STRAIN/SPRAIN	-	-	8	8	8	2	10	-	-	-	-	-	-	12	12	
MULTIPLE INJURIES	-	-	1	1	1	1	2	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	17	17	17	28	45	-	-	-	-	-	-	21	21	
WRIST:	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
BURN/SCALD (NOT CHEM.)	-	-	2	2	2	3	5	-	-	-	-	-	-	2	2	
CONTUSION OR BRUISE	-	-	1	1	1	2	3	-	-	-	-	-	-	3	3	
CUT OR PUNCTURE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
ELECT. BURN (CONTACT)	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
FRACTURE	-	-	5	5	5	8	8	-	-	-	-	-	-	24	24	
STRAIN/SPRAIN	-	-	20	20	20	16	36	-	-	-	-	-	-	18	18	
MULTIPLE INJURIES	-	-	1	1	1	1	1	-	-	-	-	-	-	10	10	
OTHER INJURY, NEC	-	-	1	1	1	1	2	-	-	-	-	-	-	47	47	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	30	30	30	28	58	-	-	-	-	-	-	18	18	
HAND:	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	
CHEMICAL BURN	-	-	9	9	9	20	29	-	-	-	-	-	-	13	13	
CONTUSION OR BRUISE	-	-	11	11	11	43	54	-	-	-	-	-	-	12	12	
CUT OR PUNCTURE	-	-	5	5	5	3	8	-	-	-	-	-	-	17	17	
FRACTURE	-	-	1	1	1	1	1	-	-	-	-	-	-	91	91	
SCRATCH/ABRASION	-	-	6	6	6	4	10	-	-	-	-	-	-	10	10	
STRAIN/SPRAIN	-	-	4	4	4	4	8	-	-	-	-	-	-	34	34	
MULTIPLE INJURIES	-	-	2	2	2	2	2	-	-	-	-	-	-	2	2	
OTHER INJURY, NEC	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	38	123	-	-	-	-	-	-	16	16	
TOTAL OR AVERAGE	-	-	38	38	38	85	123	-	-	-	-	-	-	626	626	

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFIDL				TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	PERMANENT		TOTAL NFIDL	TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL	
		TOTAL	PARTIAL	TOTAL	PARTIAL											
FINGER(S):																
AMPUTATION/ENGULFMENT	-	13	-	-	13	13	-	-	2,755	-	2,755	2,755	212	-	212	212
BURN/SCALD (NOT CHEM.)	-	-	1	-	1	4	3	-	-	-	2	2	-	2	-	2
CHEMICAL BURN	-	-	-	-	-	1	42	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE	-	-	14	-	14	56	56	-	-	-	240	240	-	17	-	17
CUT OR PUNCTURE	-	-	44	-	44	177	133	-	-	-	549	549	-	12	-	12
DERMATITIS	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-
DYSLOCATION	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-
ELECT. BURN (CONTACT)	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-
FRACTURE	-	-	20	-	20	49	25	-	-	-	51	51	-	51	-	51
RADIATION/ULTRA VIOLET	-	-	1	-	1	1	1	-	-	-	458	458	-	23	-	23
SCRATCH/ABRASION	-	-	1	-	1	1	1	-	-	-	3	3	-	3	-	3
STRAIN/SPRAIN	-	-	5	-	5	11	6	-	-	-	134	134	-	27	-	27
MULTIPLE INJURIES	-	-	15	-	15	40	25	-	-	-	403	403	-	27	-	27
OTHER INJURY, NEC	-	-	2	-	2	8	2	-	-	-	8	8	-	4	-	4
UNCLASSIFIED (NO DATA)	-	-	3	-	3	8	5	-	-	-	100	100	-	33	-	33
TOTAL OR AVERAGE	-	13	106	119	119	370	251	-	2,755	1,948	4,703	4,703	212	18	40	40
TOE/EXTREMITIES, NEC:																
BURN/SCALD (NOT CHEM.)	-	-	1	-	1	6	5	-	-	-	11	11	-	11	-	11
CHEMICAL BURN	-	-	5	-	5	2	2	-	-	-	21	21	-	4	-	4
CONTUSION OR BRUISE	-	-	3	-	3	6	1	-	-	-	12	12	-	4	-	4
CUT OR PUNCTURE	-	-	3	-	3	11	8	-	-	-	121	121	-	40	-	40
DERMATITIS	-	-	-	-	-	1	1	-	-	-	6	6	-	6	-	6
FRACTURE	-	-	3	-	3	4	2	-	-	-	226	226	-	13	-	13
SCRATCH/ABRASION	-	-	1	-	1	3	1	-	-	-	132	132	-	26	-	26
STRAIN/SPRAIN	-	-	17	-	17	22	5	-	-	-	21	21	-	10	-	10
MULTIPLE INJURIES	-	-	5	-	5	6	2	-	-	-	550	550	-	15	-	15
UNCLASSIFIED (NO DATA)	-	-	2	-	2	4	2	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	37	37	37	65	28	-	-	-	550	550	-	20	20	20
ABDOMEN:																
BURN/SCALD (NOT CHEM.)	-	-	1	-	1	1	1	-	-	-	3	3	-	3	-	3
CONTUSION OR BRUISE	-	-	1	-	1	1	1	-	-	-	30	30	-	20	-	20
STRAIN/SPRAIN	-	-	7	-	7	7	7	-	-	-	143	143	-	20	-	20
TOTAL OR AVERAGE	-	-	9	9	9	9	-	-	-	-	176	176	-	20	20	20
BACK:																
CHEMICAL BURN	-	-	8	-	8	1	7	-	-	-	36	36	-	4	-	4
CONTUSION OR BRUISE	-	-	6	-	6	15	6	-	-	-	215	215	-	36	-	36
FRACTURE	-	-	318	-	319	432	113	-	-	-	7,569	7,569	-	21	-	21
STRAIN/SPRAIN	-	-	4	-	4	6	2	-	-	-	76	76	-	19	-	19
MULTIPLE INJURIES	-	-	2	-	2	4	2	-	-	-	260	260	-	130	-	130
OTHER INJURY, NEC	-	-	20	-	20	27	7	-	-	-	404	404	-	20	-	20
UNCLASSIFIED (NO DATA)	-	-	358	-	359	491	132	-	-	-	8,560	8,560	-	21	-	21
TOTAL OR AVERAGE	-	-	358	359	359	132	-	-	-	-	900	900	-	21	24	24

TABLE 12 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE, FOR PART OF BODY INJURED AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		TOTAL	PERMANENT	PARTIAL				TOTAL	TEMPO- RARY	TOTAL NFDL				
CHEST:														
CHEMICAL BURN-----	-	-	-	6	6	1	19	-	-	-	75	-	9	9
CONTUSION OR BRUISE-----	-	-	-	1	1	11	2	-	-	-	34	-	34	34
CUT OR PUNCTURE-----	-	-	-	9	9	4	13	-	-	-	201	-	22	22
DISLOCATION-----	-	-	-	9	9	4	13	-	-	-	102	-	11	11
FRACTURE-----	-	-	-	9	9	2	3	6,000	-	-	5,000	-	-	5,000
STRAIN/SPRAIN-----	1	-	-	-	-	2	2	-	-	-	-	-	-	-
MULTIPLE INJURIES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	1	-	-	27	27	26	54	5,000	-	-	412	-	15	229
PELVIC REGION:														
CONTUSION OR BRUISE-----	-	-	-	1	1	1	2	-	-	-	9	-	9	9
CUT OR PUNCTURE-----	-	-	-	6	6	-	6	-	-	-	429	-	8	72
FRACTURE-----	-	-	11	13	22	6	28	-	550	-	596	50	23	46
HERNIA (NOT DISC)-----	-	-	-	2	2	-	-	-	-	-	482	-	22	22
STRAIN/SPRAIN-----	-	-	-	2	2	-	2	-	1,800	-	1,806	1,800	6	903
MULTIPLE INJURIES-----	-	-	-	1	1	1	2	-	-	-	3	-	3	3
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	12	34	46	8	54	-	2,350	-	3,333	196	29	72
SHOULDER(S):														
BURN/SCALD (NOT CHEM.)-----	-	-	-	1	1	-	1	-	-	-	1	-	1	1
CONTUSION OR BRUISE-----	-	-	-	4	4	5	9	-	-	-	42	-	10	10
CUT OR PUNCTURE-----	-	-	-	1	1	3	4	-	-	-	55	-	55	55
DISLOCATION-----	-	-	-	2	2	1	3	-	-	-	164	-	82	82
FRACTURE-----	-	-	-	1	1	1	2	-	-	-	35	-	35	35
SCALD/ABRASION-----	-	-	-	1	1	-	1	-	-	-	-	-	-	-
STRAIN/SPRAIN-----	-	-	-	42	42	25	67	-	1,090	-	1,090	-	26	26
MULTIPLE INJURIES-----	-	-	-	2	2	4	6	-	123	-	123	-	2	2
UNCLASSIFIED (NO DATA)-----	-	-	-	1	1	4	5	-	2	-	2	-	2	2
TOTAL OR AVERAGE-----	-	-	-	54	54	40	94	-	1,512	-	1,512	-	28	28
TRUNK, NEC:														
CONTUSION OR BRUISE-----	-	-	-	4	4	5	9	-	-	-	100	-	25	25
CUT OR PUNCTURE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
DERMATITIS-----	-	-	-	2	2	4	6	-	-	-	272	-	136	136
FRACTURE-----	-	-	-	6	6	4	10	-	-	-	67	-	11	11
STRAIN/SPRAIN-----	-	-	-	4	4	2	6	-	-	-	29	-	7	7
MULTIPLE INJURIES-----	-	-	-	1	1	-	1	-	-	-	5	-	5	5
OTHER INJURY, NEC-----	-	-	-	1	1	-	1	-	-	-	26	-	26	26
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	18	18	13	31	-	499	-	499	-	28	28

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL				PERMANENT	TEMPO- RARY	TOTAL NFDL					
															TOTAL
THIGH: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- ELECT. BURN (CONTACT)----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - - - - -	- 3 2 1 1 1 7	- 3 2 1 1 1 7	- 3 2 1 1 1 7	- 3 2 1 1 1 7	1 4 7 1 1 1 15	- - - - - - -	- - - - - - -	- 49 43 22 2 116	- 49 43 22 2 116	- - - - - -	- 16 22 22 2 17	- 16 22 22 2 17		
KNEE: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - -	- 11 2 1 1 71 5 1 100	- 11 2 1 1 71 5 7 100	- 11 2 1 1 71 5 7 100	- 11 2 1 1 71 5 7 100	23 12 3 1 88 8 1 8 144	- - - - - - - -	- - - - - - - -	- 110 5 43 197 1,820 96 85 145 2,501	- 110 5 43 197 1,820 96 85 145 2,501	- - - - - - - -	- 10 2 22 197 26 19 85 21 25	- 10 2 22 197 26 19 85 21 25		
LOWER LEG: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- SCRAPE/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - - - - - -	- 1 1 1 3 2 2 11	- 1 1 1 3 2 2 11	- 1 1 1 3 2 2 11	- 1 1 1 3 2 2 11	1 4 5 3 2 3 3 21	- - - - - - -	- - - - - - -	- 3 1 500 5 40 30 599	- 3 1 500 5 40 30 599	- - - - - - -	- 3 1 173 2 20 15 54	- 3 1 173 2 20 15 54		
ANKLE: CHEMICAL BURN----- CONTUSION OR BRUISE----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - -	- 6 13 58 1 1 1 79	- 6 13 58 1 1 1 80	- 6 13 58 2 1 1 80	- 6 13 58 2 1 1 80	1 7 15 75 3 1 102	- - - - - - -	- - - - - - -	- 69 708 685 677 1 2,140	- 69 708 685 677 1 2,140	- - - - - -	- 12 54 12 77 1 19	- 12 54 12 77 1 19		

TABLE 12 -- NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY		NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY		
		FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
			PERMANENT	TEMPORARY	TOTAL					TOTAL	TEMPORARY	TOTAL				
FOOT:		-	-	-	1	18	1	2	3	-	-	-	6	-	6	6
BURN/SCALD (NOT CHEM.)----		-	-	-	1	18	11	29	1	-	-	-	354	-	20	20
CONTUSION OR BRUISE----		-	-	-	3	3	6	9	1	-	-	-	4	-	1	1
CUT OR PUNCTURE----		-	-	-	-	-	1	1	14	-	-	-	556	-	46	46
DERMATITIS----		-	-	-	12	12	2	6	6	-	-	-	72	-	18	18
FRACTURE----		-	-	-	4	4	4	4	4	-	-	-	79	-	20	20
STRAIN/SPRAIN----		-	-	-	4	4	4	4	1	-	-	-	11	-	11	11
MULTIPLE INJURIES----		-	-	-	1	1	-	1	1	-	-	-	21	-	21	21
OTHER INJURY, NEC----		-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)----		-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE----		-	-	-	44	44	24	68	-	-	-	-	1,103	-	25	25
TOE(S):		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE----		-	-	-	4	4	4	2	4	-	-	-	64	-	16	16
CUT OR PUNCTURE----		-	-	-	3	3	3	1	4	-	-	-	55	-	18	18
FRACTURE----		-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
STRAIN/SPRAIN----		-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
MULTIPLE INJURIES----		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE----		-	-	-	7	7	5	12	-	-	-	-	119	-	17	17
LOWER EXTREMITIES, NEC:		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BURN/SCALD (NOT CHEM.)----		-	-	-	4	4	4	-	4	-	-	-	214	-	54	54
CHEMICAL BURN----		-	-	-	1	1	1	1	1	-	-	-	32	-	32	32
CONTUSION OR BRUISE----		-	-	-	11	11	2	13	9	-	-	-	124	-	11	11
CUT OR PUNCTURE----		-	-	-	1	1	8	9	1	-	-	-	3	-	3	3
FRACTURE----		-	-	-	6	6	-	6	1	-	-	-	456	-	76	76
SCALD/ABRASION----		-	-	-	-	-	1	1	1	-	-	-	-	-	-	-
STRAIN/SPRAIN----		-	-	-	11	11	4	15	7	-	-	-	188	-	17	17
MULTIPLE INJURIES----		-	-	-	4	4	3	4	4	-	-	-	76	-	19	19
UNCLASSIFIED (NO DATA)----		-	-	-	3	3	1	4	4	-	-	-	113	-	38	38
TOTAL OR AVERAGE----		-	-	-	41	41	19	60	-	-	-	-	1,206	-	29	29
BODY SYSTEMS:		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASPHYXIATION/CHOKING----		-	-	-	2	2	2	2	3	-	-	-	67	-	34	2,022
ELECTRIC SHOCK----		1	-	-	6	6	8	14	6,000	-	-	-	32	-	5	5
POISONING (SYSTEMIC)----		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE----		1	-	-	8	8	12	21	6,000	-	-	-	99	-	12	6,089

TABLE 12. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY																	
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NOL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFIDL															
		PERMANENT	TEMPO-RARY						TOTAL	PARTIAL																				
			TOTAL	PARTIAL																										
MULTIPLE PARTS OF BODY:																														
BURN/SCALD (NOT CHEM.)	-	-	8	-	8	3	11	-	-	-	-	189	-	24	24															
CHEMICAL BURN	1	-	2	-	2	5	7	6,000	-	-	-	41	-	20	20															
CONTUSION OR BRUISE	-	-	11	-	12	19	19	-	-	-	-	182	-	17	515															
CUT OR PUNCTURE	-	-	2	-	2	2	3	-	-	-	-	9	-	4	4															
DERMATITIS	-	-	2	-	2	1	2	-	-	-	-	57	-	28	28															
ELECT. BURN (CONTACT)	-	-	2	-	2	1	3	-	-	-	-	65	-	65	65															
FRACTURE	-	-	1	-	1	2	1	-	-	-	-	2	-	2	2															
RADIATION/ULTRA VIOLET	-	-	1	-	1	1	1	-	-	-	-	732	-	45	45															
SCRATCH/ABRASION	-	-	16	-	16	13	29	-	-	-	-	570	-	18	212															
STRAIN/SPRAIN	-	-	29	-	30	9	40	-	-	-	-	2	-	2	2															
MULTIPLE INJURIES	1	-	1	-	1	1	1	-	-	-	-	134	-	45	45															
OTHER INJURY, NEC.	-	-	3	-	3	3	6	-	-	-	-	1,983	-	25	177															
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
TOTAL OR AVERAGE	2	1	76	1	79	46	127	12,000	-	50	1,933	1,983	50	25	177															
UNCLASSIFIED:																														
UNCLASSIFIED (NO DATA)	-	-	1	-	1	-	1	-	-	-	-	21	-	21	21															
TOTAL OR AVERAGE	-	-	1	-	1	-	1	-	-	-	-	21	-	21	21															
TOTAL OR AVERAGE:																														
AMPUTATION/DEGLTERATION	-	13	-	-	13	-	13	-	-	2,755	-	2,755	212	-	212															
ASPHYXIATION/CHOKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
BURN/SCALD (NOT CHEM.)	-	-	22	-	22	2	2	-	-	-	-	440	-	20	20															
CHEMICAL BURN	-	-	9	-	9	38	60	-	-	-	-	65	-	10	10															
CONTUSION OR BRUISE	-	-	2	-	2	29	33	-	-	-	-	16	-	8	8															
CUT OR PUNCTURE	1	-	131	-	132	153	285	-	-	-	-	1,632	-	12	58															
DERMATITIS	-	-	103	-	103	318	421	-	-	-	-	1,006	-	10	10															
DISLOCATION	-	-	6	-	6	10	10	-	-	-	-	-	-	-	-															
DUST IN EYE	-	-	6	-	6	6	12	-	-	-	-	275	-	46	46															
ELECTRIC SHOCK	1	-	22	-	22	56	78	-	-	-	-	39	-	2	2															
ELECT. BURN (CONTACT)	-	-	2	-	2	2	3	-	-	-	-	57	-	34	34															
FRACTURE	-	-	3	-	3	2	2	-	-	-	-	108	-	36	36															
HERNIA (NOT DISC)	-	-	104	-	104	54	158	-	-	550	-	4,809	-	46	46															
POISONING (SYSTEMIC)	-	11	13	-	13	8	14	-	-	-	-	556	-	23	23															
RADIATION/ULTRA VIOLET	-	-	6	-	6	13	13	-	-	-	-	32	-	5	5															
SCRATCH/ABRASION	-	-	8	-	8	13	21	-	-	-	-	15	-	5	5															
STRAIN/SPRAIN	-	-	12	-	12	20	32	-	-	-	-	117	-	10	10															
MULTIPLE INJURIES	2	-	651	-	652	261	913	-	-	-	-	14,277	-	21	22															
OTHER INJURY, NEC.	-	-	94	-	94	72	171	-	-	-	-	16,470	-	45	45															
UNCLASSIFIED (NO DATA)	-	-	13	-	13	40	92	-	-	-	-	1,119	-	22	22															
TOTAL OR AVERAGE	4	28	1,242	1	1,270	1,102	2,376	24,000	-	6,655	25,791	26,446	238	21	44															

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1985

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RISE, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HAZARDING MATERIAL		HAND TOOL		NONPROTECTED SURFACE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEV. MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1	2	-	-	-	-	-	-	-	-	3	2	1	14	5	-	49	20	20	10	-	-
SURFACE AT UG:																						
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEV. MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL UNDERGROUND:																						
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEV. MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1	3	-	-	-	-	-	-	-	-	6	2	1	14	5	-	83	77	23	33	1	1

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1985 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
CALIFORNIA																						
COLORADO																						
GEORGIA																						
ILLINOIS																						
INDIANA																						
IOWA																						
KANSAS																						
LOUISIANA																						
MICHIGAN																						
MONTANA																						
NEH MEXICO																						
NEW YORK																						
OHIO																						
TEXAS																						
UTAH																						
VERMONT																						
VIRGINIA																						
WYOMING																						
TOTAL	2	2									32	1	38	3	1	2			2	2	133	133
SURFACE AT LC:																						
COLORADO																						
GEORGIA																						
ILLINOIS																						
KANSAS																						
LOUISIANA																						
MONTANA																						
NEH MEXICO																						
NEW YORK																						
OHIO																						
TEXAS																						
UTAH																						
VERMONT																						
VIRGINIA																						
WYOMING																						
TOTAL	2	2									10	0	10	0	0	0			10	10	22	22

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
SURFACE MINES:																						
OPEN PIT:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDaho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEEDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		INFALLMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL
SURFACE MINES:																						
OPEN PIT:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDaho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	32	14	-	-	-	-	-	-	-	-	28	31	63	19	5	1	-	11	4	1	237	155
DREDGE:																						
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	1	2	1	-	-	-	-	-	-	-	1	3

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPROTECTED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL SURFACE:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDaho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	3	-	-	-	1	2	-	-	2	-	1	-	-	-	-	-	72	46	23	35	-	1

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONFEDERAL MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION ¹ AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY ²		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL SURFACE:																						
ALABAMA																						
ARIZONA	1																					
ARKANSAS	1																					
CALIFORNIA	4																					
COLORADO	1																					
CONNECTICUT																						
FLORIDA	2																					
GEORGIA	7																					
IDAHO	3																					
ILLINOIS																						
INDIANA																						
IOWA																						
KENTUCKY																						
MASSACHUSETTS																						
MICHIGAN																						
MISSISSIPPI																						
MONTANA	2																					
NEVADA	3																					
NEW MEXICO	1																					
NEW YORK	1																					
NORTH CAROLINA	2																					
OKLAHOMA	1																					
OREGON	1																					
PENNSYLVANIA																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE	2																					
TEXAS	1																					
UTAH																						
VERMONT	1																					
VIRGINIA	1																					
WYOMING																						
TOTAL	32	14									29	33		64	19		5					

TABLE 13. -- NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINING:																						
ALABAMA																						
ARIZONA																						
ARKANSAS																						
CALIFORNIA																						
COLORADO																						
CONNECTICUT																						
FLORIDA																						
GEORGIA																						
IDAHO																						
ILLINOIS																						
INDIANA																						
IOWA																						
KANSAS																						
KENTUCKY																						
LOUISIANA																						
MASSACHUSETTS																						
MICHIGAN																						
MISSISSIPPI																						
MONTANA																						
NEVADA																						
NEW HAMPSHIRE																						
NEW JERSEY																						
NEW YORK																						
NORTH CAROLINA																						
OHIO																						
OKLAHOMA																						
OREGON																						
PENNSYLVANIA																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE																						
TEXAS																						
UTAH																						
VERMONT																						
VIRGINIA																						
WASHINGTON																						
TOTAL	1	3	5		1	2			2		1	6	2	1	14	9	1	1	123	46	2	1
INDEPENDENT SECTORS:																						
TENNESSEE																						
TOTAL																						

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		LOCATION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL
TOTAL MINING:																						
ALABAMA																						
ARIZONA																						
ARKANSAS																						
CALIFORNIA																						
COLORADO																						
CONNECTICUT																						
FLORIDA																						
GEORGIA																						
IDaho																						
ILLINOIS																						
INDIANA																						
IOWA																						
KANSAS																						
KENTUCKY																						
LOUISIANA																						
MASSACHUSETTS																						
MICHIGAN																						
MISSISSIPPI																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
NEW YORK																						
NORTH CAROLINA																						
OHIO																						
OKLAHOMA																						
OREGON																						
PENNSYLVANIA																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE																						
TEXAS																						
UTAH																						
VERMONT																						
VIRGINIA																						
WYOMING																						
TOTAL	54	40	1	1	1	1					68	67	99	37	12	2	1	1	16	9	461	369
INDEPENDENT SHOPS:																						
TENNESSEE																						
TOTAL																						

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, R.B. SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
PROCESSING PLANTS:																						
ALABAMA																						
ARIZONA																						
ARKANSAS																						
CALIFORNIA																						
COLORADO																						
CONNECTICUT																						
FLORIDA																						
GEORGIA																						
IDaho																						
ILLINOIS																						
INDIANA																						
IOWA																						
KANSAS																						
KENTUCKY																						
LOUISIANA																						
MASSACHUSETTS																						
MISSISSIPPI																						
MISSOURI																						
MONTANA																						
NEVADA																						
NEW JERSEY																						
NEW MEXICO																						
NEW YORK																						
NORTH CAROLINA																						
OHIO																						
OKLAHOMA																						
OREGON																						
PENNSYLVANIA																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE																						
TEXAS																						
UTAH																						
VERMONT																						
VIRGINIA																						
WASHINGTON																						
WYOMING																						
TOTAL	5	3			1	2					2				3	2	345	263	83	121	6	5

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			IMPROVEMENT			INUNDATION			MACHINERY			SLIP OR FALL OF PERSON			STEERING OR KNEELING ON OBJECT			STRIKING OR BUMPING			OTHER			TOTAL		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL			
PROCESSING PLANTS:																																	
ALABAMA																															15		
ARIZONA			2																												3		
ARKANSAS																															1		
CALIFORNIA		1	8																												64		
COLORADO		2																													8		
CONNECTICUT																															8		
FLORIDA		6																													45		
GEORGIA		11																													141		
IDAHO		3																													9		
ILLINOIS		2																													39		
INDIANA																															4		
IOWA																															3		
KANSAS		3																													25		
KENTUCKY																															4		
LOUISIANA		2																													9		
MASSACHUSETTS																															1		
MISSISSIPPI		3																													12		
MISSOURI		1																													10		
MONTANA		1																													3		
NEVADA		6																													24		
NEW JERSEY																															8		
NEW MEXICO		3																													27		
NEW YORK		1																													5		
NORTH CAROLINA		2																													34		
OHIO																															28		
OKLAHOMA		1																													2		
OREGON																															1		
PENNSYLVANIA																															18		
SOUTH CAROLINA																															3		
SOUTH DAKOTA																															21		
TENNESSEE		1																													32		
TEXAS																															15		
UTAH																															4		
VERMONT																															19		
VIRGINIA																															7		
WASHINGTON		5																													82		
WYOMING			3																												3		
TOTAL		64	45				3	1					52	100		26	103	12	10		7	7		22	35	1	805	723					

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SINKING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONNUMBERED HAULAGE		
	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	
TOTAL MINES AND PLANTS:																							
ALABAMA																							
ARIZONA																							
ARKANSAS																							
CALIFORNIA		1																					
COLORADO																							
CONNECTICUT																							
FLORIDA																							
GEORGIA		2																					
IDAHO		3																					
ILLINOIS																							
INDIANA																							
IOWA																							
KANSAS																							
KENTUCKY																							
LOUISIANA		1																					
MASSACHUSETTS																							
MICHIGAN																							
MISSISSIPPI																							
MISSOURI		1																					
MONTANA																							
NEVADA																							
NEW JERSEY		1																					
NEW MEXICO																							
NEW YORK		1																					
NORTH CAROLINA		2																					
OHIO																							
OKLAHOMA		1																					
OREGON																							
PENNSYLVANIA																							
SOUTH CAROLINA																							
SOUTH DAKOTA																							
TENNESSEE		1																					
TEXAS																							
UTAH																							
VERMONT																							
VIRGINIA																							
WASHINGTON		1																					
WEST VIRGINIA		3																					
WYOMING																							
TOTAL	1	8	14		1	3	2		3	2	1	6	2	14	9	4	3	490	407	129	189	8	6
OFFICE:																							
GEORGIA																							
ILLINOIS																							
IOWA																							
KENTUCKY																							
LOUISIANA																							
OREGON																							
TEXAS																							
UTAH																							
WYOMING																							
TOTAL																							

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPROVEMENT		INNOVATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL
TOTAL MINES AND PLANTS:																						
ALABAMA		2																				
ARIZONA	1																					
ARKANSAS	2																					
CALIFORNIA	12	3																				
COLORADO	3																					
CONNECTICUT																						
FLORIDA	8	4																				
GEORGIA	18	17																				
IDAHO	6	3																				
ILLINOIS	3																					
INDIANA																						
IOWA																						
KANSAS		5																				
KENTUCKY		3																				
LOUISIANA																						
MASSACHUSETTS																						
MICHIGAN		5																				
MISSISSIPPI	3																					
MISSOURI	2	1																				
MONTANA	3	9																				
NEVADA																						
NEW JERSEY		6																				
NEW MEXICO		2																				
NEW YORK	3	4																				
NORTH CAROLINA																						
OHIO	4	5																				
OKLAHOMA	1																					
OREGON																						
PENNSYLVANIA																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE	1																					
TEXAS	3	2																				
UTAH																						
VERMONT																						
VIRGINIA	2																					
WASHINGTON																						
WEST VIRGINIA	14	12																				
WYOMING																						
TOTAL	118	85	1	1	3	2					130	167	288	140	25	12	8	8	44	4	1,266	1,093
OFFICE:																						
GEORGIA																						
ILLINOIS																						
IOWA																						
KENTUCKY																						
LOUISIANA																						
OREGON																						
TEXAS																						
UTAH																						
WYOMING																						
TOTAL																						

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSELS UNDER PRESSURE		EXPLOSIVE AND BOMBING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE, RIG SIDE OR RIGWALL		FALL OF ROOF UNDERGROUND MINES ONLY		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL:	1	8	14	1	1	2	1	1	13	1	1	1	1	1	4	3	464	12	129	190	1	10
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1	8	14	1	1	2	1	1	13	1	1	1	1	1	4	3	464	12	129	190	1	10

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPAIRMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL:																						
ALABAMA																						
ARIZONA																						
ARKANSAS																						
CALIFORNIA																						
COLORADO																						
CONNECTICUT																						
FLORIDA																						
GEORGIA																						
IDAHO																						
ILLINOIS																						
INDIANA																						
IOWA																						
KANSAS																						
KENTUCKY																						
LOUISIANA																						
MASSACHUSETTS																						
MICHIGAN																						
MISSISSIPPI																						
MISSOURI																						
MONTANA																						
NEVADA																						
NEW JERSEY																						
NEW MEXICO																						
NEW YORK																						
NORTH CAROLINA																						
OHIO																						
OKLAHOMA																						
OREGON																						
PENNSYLVANIA																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE																						
TEXAS																						
UTAH																						
VERMONT																						
VIRGINIA																						
WASHINGTON																						
WYOMING																						
TOTAL	118	85	1	1	3	2					8	6	38	2	2	4	6	3	3	1	120	102

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB SIDE OR HIGHWALL		FALL OF ROOF UNDERGROUND MINES ONLY		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEV. MEXICO	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6,000	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDERGROUND:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEV. MEXICO	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6,000	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE AT LG:																						
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEV. MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDERGROUND:																						
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEV. MEXICO	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6,000	109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1988 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	58
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	79
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	142	282
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	282	2
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,882	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,882	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,882	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,882	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,882	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,882	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,882	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,882	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,882	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,882	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,882	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,000	5,205
SURFACE AT UG:																						
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	9
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	224	37
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	316	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,001	-
TOTAL UNDERGROUND:																						
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	58
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	123	79
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	151	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	506	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	127	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,138	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	493	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,000	5,205

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	MECL	FTL	MECL	FTL	MECL	FTL	MECL	FTL	MECL	FTL	MECL	FTL	MECL	FTL	MECL	FTL	MECL	FTL	MECL	FTL	MECL
SURFACE MINES:																						
OPEN PIT:																						
ALABAMA																						
ARIZONA																						
ARKANSAS																						
CALIFORNIA																						
COLORADO																						
CONNECTICUT																						
FLORIDA																						
GEORGIA																						
IDaho																						
INDIANA																						
IOwa																						
KENTUCKY																						
MASSACHUSETTS																						
MICHIGAN																						
MISSISSIPPI																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
NORTH CAROLINA																						
OHIO																						
OKLAHOMA																						
PENNSYLVANIA																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE																						
TEXAS																						
VERMONT																						
VIRGINIA																						
WYOMING																						
TOTAL																						
DEGREE:																						
NEW MEXICO																						
NORTH CAROLINA																						
TOTAL																						

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
SURFACE MINES:																						
OKLAHOMA		9										4		47								14
ARIZONA		2												24								52
ARKANSAS		58									32											200
CALIFORNIA		35																				21
COLORADO																						20
CONNECTICUT																						2
FLORIDA		1,848									115			167								2,637
GEORGIA		223									3			120								232
IDAHO		17									89			220								421
INDIANA																						1
IOWA																						15
KENTUCKY														53								2
MASSACHUSETTS														40								5
MICHIGAN																						21
MISSISSIPPI																						41
MISSOURI		26																				151
MONTANA		214									146			151								333
NEVADA																						14
NEW MEXICO											3			72								832
NORTH CAROLINA											18											5
OHIO		9												38								271
OKLAHOMA		4																				171
PENNSYLVANIA		3												138								22
SOUTH CAROLINA											6											215
SOUTH DAKOTA											32											1,052
TENNESSEE																						23
TEXAS		75									212			214								41
VERMONT																						1
VIRGINIA		5																				23
WASHINGTON		19																				11
TOTAL		2,547									662			1,311								7,434
DREDGE:																						
NEW MEXICO																						68
NORTH CAROLINA											6			24								35
TOTAL											6			24								101

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1983 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL
TOTAL SURFACE:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	109	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHICAGO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415	-	-	-	-	-
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190	-	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	174	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	215	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	386	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,354	-	-	-	-	-

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL SURFACE:																						
ALABAMA	-	9	-	-	-	-	-	-	-	-	4	-	-	47	-	-	-	-	-	-	-	14
ARIZONA	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	
CALIFORNIA	-	58	-	-	-	-	-	-	-	-	32	-	-	24	-	-	-	-	-	-	6,000	
COLORADO	-	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	298	
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	
FLORIDA	-	1,848	-	-	-	-	-	-	-	-	115	-	-	20	-	-	-	-	-	-	-	
GEORGIA	-	223	-	-	-	-	-	-	-	3	-	-	-	167	-	4	-	-	-	-	16	
IDAHO	-	17	-	-	-	-	-	-	-	-	89	-	-	120	-	52	-	-	-	-	23	
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	220	-	-	2	-	-	-	-	
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-	-	-	-	-	61	
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	
MONTANA	-	26	-	-	-	-	-	-	-	-	148	-	-	40	-	-	-	-	-	-	40	
NEVADA	-	214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	191	
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	3	-	-	151	-	-	-	-	-	-	365	
NORTH CAROLINA	-	9	-	-	-	-	-	-	-	-	24	-	-	96	-	-	-	-	-	-	80	
OHIO	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	867	
OKLAHOMA	-	3	-	-	-	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-	5	
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	215	
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	6	-	-	1	-	-	-	-	-	-	171	
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	32	-	-	138	-	-	-	-	-	-	32	
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	215	
TEXAS	-	75	-	-	-	-	-	-	-	212	-	-	-	214	-	23	-	-	-	158	1,052	
VERMONT	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	
VIRGINIA	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	41	
TOTAL	-	2,547	-	-	-	-	-	-	-	-	668	-	-	1,335	-	81	-	2	-	232	6,000	7,535

TABLE 14 NUMBER OF LOSS HOURS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1929 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, STILE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDICAP		NONREPORTED HOURS	
	FIL	NEDL	FIL	NEDL	FIL	NEDL	FIL	NEDL	FIL	NEDL	FIL	NEDL	FIL	NEDL	FIL	NEDL	FIL	NEDL	FIL	NEDL	FIL	NEDL
TOTAL MINING:																						
ALABAMA																						
ARIZONA																						
ARKANSAS																						
CALIFORNIA																						
COLORADO																						
CONNECTICUT																						
FLORIDA																						
GEORGIA																						
IDaho																						
ILLINOIS																						
INDIANA																						
IOWA																						
KANSAS																						
KENTUCKY																						
LOUISIANA																						
MASSACHUSETTS																						
MICHIGAN																						
MISSISSIPPI																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
NEW YORK																						
NORTH CAROLINA																						
OHIO																						
OKLAHOMA																						
PENNSYLVANIA																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE																						
TEXAS																						
UTAH																						
VERMONT																						
VIRGINIA																						
WYOMING																						
TOTAL	6,000	109			7				61		5,000	153	6,000	830			3,967		753		27	

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINING:																						
ALABAMA		9										4		47								14
ARIZONA		2																				52
ARKANSAS																						53
CALIFORNIA		58										32		24								302
COLORADO		35										17		25								91
CONNECTICUT																						20
FLORIDA		1,848										115		167								2,637
GEORGIA		223										88		158								421
IDaho		17										89		220								79
ILLINOIS		14										9		12								1
INDIANA																						18
IOWA												13		9								151
KANSAS		129																				2
KENTUCKY												153		42								506
LOUISIANA		1		5										53								61
MASSACHUSETTS																						23
MICHIGAN																						40
MISSISSIPPI																						312
MONTANA		26										183		40								365
NEVADA		214												151								2,278
NEW MEXICO		161										505		325								6,000
NEW YORK		25										28		216								22
NORTH CAROLINA		9										24		96								493
OHIO		30										17		58								867
OKLAHOMA		3												38								231
PENNSYLVANIA														1								215
SOUTH CAROLINA												6		138								171
SOUTH DAKOTA												32										32
TENNESSEE												212		214								215
TEXAS		84												2								1,131
UTAH												7										20
VERMONT		12																				35
VIRGINIA		168										401		198								620
WASHINGTON																						1,569
TOTAL		3,062		5								1,935		2,266								13,741

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWDERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
PROCESSING PLANTS:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	-	-	-	-	3
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	174	-	-	-	-	2
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	-	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	700	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	686	-	-	-	-	-
IDAH0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	385	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	336	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	-	-	-	-	-
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	531	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	578	-	-	-	-	-
NEW MEXICO	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	-	256	-	-	-	-	-
NEW YORK	-	-	-	-	6,000	-	-	-	-	-	-	-	-	-	-	-	175	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,286	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	264	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	108	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	642	-	-	-	-	-
TOTAL	-	73	-	-	6,000	35	-	-	-	-	-	-	-	-	131	-	7,022	-	-	1,559	-	31

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
PROCESSING PLANTS:																						
ALABAMA	-	21	-	-	-	-	-	-	-	-	3	-	23	-	-	-	-	-	-	-	112	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	29	-
ARKANSAS	-	172	-	-	-	-	-	-	-	-	1	-	580	-	-	-	-	-	-	-	1,183	-
CALIFORNIA	-	36	-	-	-	-	-	-	-	-	181	-	-	-	-	-	-	-	-	-	166	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	137	-
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,458	-
FLORIDA	-	244	-	-	-	-	-	-	-	-	64	-	49	-	-	-	-	-	-	-	1,766	-
GEORGIA	-	225	-	-	-	-	-	-	-	-	39	-	499	-	-	-	-	-	-	-	273	-
IDaho	-	96	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	812	-
ILLINOIS	-	144	-	-	-	-	-	-	-	-	8	-	149	-	-	-	-	-	-	-	21	-
INDIANA	-	-	-	-	-	-	-	-	-	-	11	-	5	-	-	-	-	-	-	-	207	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	482	-
KANSAS	-	86	-	-	-	-	-	-	-	-	26	-	9	-	-	-	-	-	-	-	599	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	261	-	163	-	-	-	-	-	-	-	243	-
LOUISIANA	-	70	-	-	-	-	-	-	-	-	40	-	3	-	-	-	-	-	-	-	14	-
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-	311	-
MISSISSIPPI	-	153	-	-	-	-	-	-	-	-	-	-	45	-	-	-	-	-	-	-	141	-
MISSOURI	-	2	-	-	-	-	-	-	-	-	-	-	274	-	-	-	-	-	-	-	350	-
MONTANA	-	10	-	-	-	-	-	-	-	-	44	-	345	-	-	-	-	-	-	-	1,238	-
NEVADA	-	72	-	-	-	-	-	-	-	-	-	-	197	-	-	-	-	-	-	-	247	-
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	324	-	-	-	-	-	-	-	6,000	-
NEW MEXICO	-	78	-	-	-	-	-	-	-	-	22	-	62	-	-	-	-	-	-	-	435	-
NEW YORK	-	71	-	-	-	-	-	-	-	-	97	-	463	-	-	-	-	-	-	-	1,217	-
NORTH CAROLINA	-	111	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-	-	-	206	-
OHIO	-	80	-	-	-	-	-	-	-	-	2	-	4	-	-	-	-	-	-	-	28	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-
OREGON	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	22	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	42	-	-	-	-	-	-	-	115	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	1	-	50	-	-	-	-	-	-	-	50	-
SOUTH DAKOTA	-	2	-	-	-	-	-	-	-	-	-	-	389	-	-	-	-	-	-	-	1,826	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	56	-	25	-	-	-	-	-	-	-	358	-
TEXAS	-	-	-	-	-	-	-	-	-	-	14	-	9	-	-	-	-	-	-	-	236	-
UTAH	-	81	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	49	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	579	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	307	-	90	-	-	-	-	-	-	-	95	-
WASHINGTON	-	825	-	-	-	-	-	-	-	-	109	-	916	-	-	-	-	-	-	-	2,828	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	2,580	-	-	-	35	-	-	-	-	1,292	-	5,257	-	300	-	37	-	198	-	6,000	18,652

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINES AND PLANTS:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84	-	-	-	3	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	286	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	38	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	-	-	-	-	-
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,115	-	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	876	-	-	-	-	-
GEORGIA	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104	-	-	-	-	-
IDAH0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	389	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	336	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	232	-	-	-	-	-
LOUISIANA	-	55	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-
MISSISSIPPI	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	531	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,548	-	-	-	-	-
NEW MEXICO	-	3	-	-	-	30	-	-	-	-	-	-	-	-	-	-	384	-	-	-	-	-
NEW YORK	6,000	-	-	-	6,000	-	-	-	-	-	-	-	-	-	-	-	882	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	209	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	201	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-	-	-	-
TENNESSEE	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	115	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	340	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	858	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,983	-	-	-	-	-
WASHINGTON	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,422	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-
TOTAL	6,000	182	-	-	6,000	42	-	-	63	193	6,000	830	-	-	132	-	-	-	-	-	-	-
OFFICE:																						
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINES AND PLANTS:																						
ALABAMA	-	9	-	-	-	-	-	-	-	-	-	7	23	-	-	-	-	-	-	-	-	126
ARIZONA	-	23	-	-	-	-	-	-	-	-	-	1	54	-	-	-	-	-	-	-	-	81
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	213	604	-	21	-	-	-	-	-	-	54
CALIFORNIA	-	230	-	-	-	-	-	-	-	-	-	18	-	-	5	-	-	-	46	-	-	1,485
COLORADO	-	71	-	-	-	-	-	-	-	-	-	69	25	-	-	-	-	-	-	-	-	157
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA	-	2,092	-	-	-	-	-	-	-	-	-	179	477	-	4	-	19	-	-	-	-	4,095
GEORGIA	-	448	-	-	-	-	-	-	-	-	-	127	557	-	50	-	1	-	-	-	-	2,481
IDaho	-	113	-	-	-	11	-	-	-	-	-	89	225	-	52	-	2	-	-	-	-	2,481
ILLINOIS	-	158	-	-	-	-	-	-	-	-	-	17	161	-	-	-	-	-	-	-	-	891
INDIANA	-	-	-	-	-	-	-	-	-	-	-	11	5	-	-	-	-	-	-	-	-	22
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	225
KANSAS	-	215	-	-	-	-	-	-	-	-	-	39	18	-	-	-	5	-	-	-	-	633
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	261	164	-	-	-	-	-	-	-	-	511
LOUISIANA	-	71	-	5	-	-	-	-	-	-	-	193	45	-	-	-	-	-	-	-	-	749
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	67	-	-	-	-	-	-	-	-	75
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	171	-	-	-	-	-	-	-	-	23
MISSISSIPPI	-	153	-	-	-	-	-	-	-	-	-	44	45	-	-	-	-	-	-	-	-	351
MISSOURI	-	2	-	-	-	-	-	-	-	-	-	183	285	-	-	-	-	-	-	-	-	141
MONTANA	-	36	-	-	-	-	-	-	-	-	-	-	496	-	-	-	-	-	-	-	-	662
NEVADA	-	285	-	-	-	-	-	-	-	-	-	-	197	-	-	-	-	-	-	-	-	1,603
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	527	-	-	-	-	-	-	-	-	247
NEW MEXICO	-	239	-	-	-	-	-	-	-	-	-	28	659	-	3	-	4	-	-	-	-	3,495
NEW YORK	-	96	-	-	-	-	-	-	-	-	-	121	278	-	29	-	5	-	-	-	-	23
NORTH CAROLINA	-	120	-	-	-	7	-	-	-	-	-	19	559	-	-	-	-	-	-	-	-	1,812
OHIO	-	110	-	-	-	-	-	-	-	-	-	-	89	-	-	-	-	-	-	-	-	437
OKLAHOMA	-	3	-	-	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-	-	-	243
OREGON	-	1	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	62
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	24
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	7	180	-	-	-	-	-	-	-	-	286
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	22	50	-	-	-	-	-	-	-	-	82
TENNESSEE	-	2	-	-	-	-	-	-	-	-	-	56	389	-	5	-	-	-	-	-	-	2,041
TEXAS	-	84	-	-	-	-	-	-	-	-	-	226	239	-	42	-	-	-	-	-	-	1,489
UTAH	-	81	-	-	-	17	-	-	-	-	-	5	11	-	23	-	-	-	-	-	-	256
VERMONT	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	84
VIRGINIA	-	12	-	-	-	-	-	-	-	-	-	307	29	-	-	-	-	-	-	-	-	1,199
WASHINGTON	-	983	-	-	-	-	-	-	-	-	-	510	90	-	-	-	3	-	-	-	-	95
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	1,114	-	-	-	-	-	-	-	-	4,397
TOTAL	-	5,648	-	5	-	35	-	-	-	-	-	3,227	7,523	-	546	-	39	-	465	-	24,000	32,393
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWDERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL:																						
ALABAMA																						3
ARIZONA																						
ARKANSAS																						2
CALIFORNIA																						
COLORADO																						
CONNECTICUT																						
FLORIDA																						
GEORGIA																						3
IDAHO																						9
ILLINOIS		40																				1
INDIANA																						18
IOWA																						
KANSAS																						
KENTUCKY																						
LOUISIANA																						
MASSACHUSETTS																						
MICHIGAN																						
MISSISSIPPI																						
MISSOURI																						
MONTANA																						
NEVADA																						
NEW JERSEY																						
NEW MEXICO																						
NEW YORK		5,000				30																9
NORTH CAROLINA																						
OHIO																						
OKLAHOMA																						
OREGON																						
PENNSYLVANIA																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE																						
TEXAS																						
UTAH																						
VERMONT																						
VIRGINIA																						
WASHINGTON																						
WYOMING																						
TOTAL	5,000	182			6,000	42			53		6,000	193	6,000	830		132		11,036		2,422		58

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL:																						
ALABAMA		9																				
ALASKA		23																				
ARIZONA		230																				
ARKANSAS		71																				
CALIFORNIA		2,092																				
COLORADO		448																				
CONNECTICUT		113																				
FLORIDA		158																				
GEORGIA																						
IDaho																						
ILLINOIS																						
INDIANA																						
IOWA																						
KANSAS		215																				
KENTUCKY																						
LOUISIANA		71																				
MASSACHUSETTS																						
MICHIGAN		153																				
MISSISSIPPI		2																				
MISSOURI		36																				
MONTANA		286																				
NEVADA																						
NEW JERSEY		238																				
NEW MEXICO		56																				
NEW YORK		120																				
NORTH CAROLINA		110																				
OHIO		3																				
OKLAHOMA		1																				
OREGON																						
PENNSYLVANIA																						
SOUTH CAROLINA		2																				
SOUTH DAKOTA		84																				
TENNESSEE		81																				
TEXAS		12																				
UTAH																						
VERMONT																						
VIRGINIA																						
WASHINGTON		933																				
WYOMING																						
TOTAL		5,648		5		35					3,227			7,523		546		39		465	24,000	32,446

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE		
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	
UNDERGROUND MINES: UNDERGROUND:																							
CLAY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FLUORSPAR-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GERISTONES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GILSONITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GYPSUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OIL SAND/SHALE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PHOSPHATE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POTASH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SALT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SODIUM COMPOUNDS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TALC-SOAPSTONE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OTHER NONMETAL NEC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL-----	1	2	-	-	-	-	-	-	-	-	6	2	1	14	9	-	1	1	49	65	-	26	1
SURFACE AT LG:																							
FLUORSPAR-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OIL SAND/SHALE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PHOSPHATE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POTASH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SALT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SODIUM COMPOUNDS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TALC-SOAPSTONE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL UNDERGROUND:																							
CLAY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FLUORSPAR-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GERISTONES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GILSONITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GYPSUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OIL SAND/SHALE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PHOSPHATE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POTASH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SALT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SODIUM COMPOUNDS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TALC-SOAPSTONE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OTHER NONMETAL NEC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL-----	1	3	2	-	-	-	-	-	-	-	6	2	1	14	9	-	1	1	53	77	-	33	1

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
CLAY	1	2									2		1								3	3
FLUORSPAR	1																				1	1
GEMSTONES																					7	7
GILSONITE																					16	16
GIPSUM	1	2									3		1								4	4
OIL SAND/SHALE											3		2								10	10
PHOSPHATE	3	6									6		9								40	40
POTASH	3	3									14		6								41	41
SALT	8	8									4		1								55	55
SODIUM COMPOUNDS																					3	3
TALC-SERPENTINE	1																				1	1
OTHER NONMETAL NEC																						
TOTAL	20	22	1	1							34	31	26	12	7	2	1	2	4	2	183	178
SURFACE AT UG:																						
FLUORSPAR																					1	1
OIL SAND/SHALE																					2	2
PHOSPHATE																					26	26
POTASH																					27	27
SALT																					1	1
SODIUM COMPOUNDS																					2	2
TALC-SERPENTINE																					3	3
TOTAL	2	4									5	3	9	6					3		37	33
TOTAL UNDERGROUND:																						
CLAY	1	3									2		1								3	3
FLUORSPAR	1																				1	1
GEMSTONES																					7	7
GILSONITE																					16	16
GIPSUM	1	2									3		1								4	4
OIL SAND/SHALE											3		2								12	12
PHOSPHATE	3	6									7		9								46	46
POTASH	7	8									14		13								68	68
SALT	8	8									4		1								55	55
SODIUM COMPOUNDS																					10	10
TALC-SERPENTINE	1																				1	1
OTHER NONMETAL NEC																						
TOTAL	22	26	1	1							39	34	35	18	7	2	1	5	4	2	220	211

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
SURFACE MINES:																						
OPEN PIT:																						
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BORON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FELDSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEMSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GYPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUMICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALC SOAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL MIN.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDERGROUND:																						
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE:																						
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BORON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FELDSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEMSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GYPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUMICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALC SOAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL MIN.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
SURFACE MINES:																						
OPEN PIT:																						
ASBESTOS																						
BARITE	1	2																			1	2
BORON	2	3																			2	3
CLAY	14	1																			58	4
FELDSPAR	1																				9	3
GEMSTONES																						
GYPSUM	2	1																			1	1
LITHIUM																					17	10
MICA																					1	1
PERLITE																					1	4
PHOSPHATE	4	4																			8	4
PUMLICE	2	1																			94	62
SHALE	1	1																			14	3
TALC-SOAPSTONE	4	2																			8	6
OTHER NONMETAL NEC	1																				16	11
TOTAL	32	14																			237	155
UNDERGROUND:																						
DREGE																						
PHOSPHATE																					3	3
SALT																					1	1
TOTAL																					4	4
OTHER:																						
SURFACE:																						
ASBESTOS																						
BARITE	1	2																			1	2
BORON	2	3																			2	4
CLAY	14	1																			58	38
FELDSPAR	1																				9	3
GEMSTONES																						
GYPSUM	2	1																			1	1
LITHIUM																					17	10
MICA																					1	1
PERLITE																					1	4
PHOSPHATE	4	4																			8	4
PUMLICE	2	1																			97	65
SALT																					14	3
SHALE	1	1																			8	6
TALC-SOAPSTONE	4	2																			16	11
OTHER NONMETAL NEC	1																				4	4
TOTAL	32	14																			241	158

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWDERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINING:																						
ASBESTOS																						
BARITE																						
BORON																						
CLAY																						
FELDSPAR																						
FLUORSPAR																						
GEMSTONES																						
GILSONITE																						
GYPHUM																						
LITHIUM																						
MICA																						
OIL SAND/SHALE																						
PERLITE																						
PHOSPHATE																						
POTASH																						
QUARTZ																						
SALT																						
SHALE																						
SODIUM COMPOUNDS																						
TALC-SERPENTINE																						
OTHER NONMETAL NEC																						
TOTAL	1	3	5	-	-	1	2	-	2	-	1	6	2	1	14	9	135	123	46	68	2	1
INDEPENDENT SHOPS:																						
PHOSPHATE																						
TOTAL																						

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE			HOLSTING			IGNITION OR EXPLOSION OF GAS OR DUST			INUNDATION			MACHINERY			SLIP OR FALL OF PERSON			STEPPING OR KNEELING ON OBJECT			STRIKING OR BUMPING			OTHER			TOTAL		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL
TOTAL MINING:																														
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARITE	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BORON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY	-	15	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FELDSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLUORSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEMSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GILSONITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OIL SAND/SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POTASH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUMICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALC SOAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	54	40	1	1	1	1	1	1	1	1	1	1	68	67	37	99	37	12	2	1	1	1	16	9	3	461	369	7		
INDEPENDENT SHOPS:																														
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
PROCESSING PLANTS:																						
APLITE																						
ASBESTOS																						
BORON																						
CLAY		5																				
FELDSPAR																						
GILSONITE																						
GYPSON																						
KYANITE																						
LEONAROLITE																						
MAGNESITE																						
MICA		1																				
PERLITE																						
PHOSPHATE		2																				
PICOMENT																						
POTASH																						
POTICE																						
SALT																						
SHALE																						
SODIUM COMPOUNDS																						
TALC-SOAPSTONE		1																				
VERMICULITE																						
WOLASTONITE-STAUROLITE																						
OTHER NONMETALLIC																						
TOTAL	5		9		1	2			1	2					3		345	283	83	121	6	5

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1983 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			IMPOUNDMENT			INUNDATION			MACHINERY			SLIP OR FALL OF PERSON			STEPPING OR KNEELING ON OBJECT			STRIKING OR BUMPING			OTHER			TOTAL		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL			
PROCESSING PLANTS:																																	
APLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BARTITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BORON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FELDSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FLUORSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GILSONITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GYPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KYANITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LEONARDITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MAGNESITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PICOPENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POTASH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PUMICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SODIUM COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TALC-SOAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VERMICULITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ADIASINITE-STAUROLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OTHER NONMETAL MIN.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL	54	45	-	-	-	-	3	1	-	-	-	-	-	-	-	62	100	-	189	103	-	13	10	-	7	7	-	22	35	1	805	723	

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL
TOTAL MINES AND PLANTS:																						
APLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BORON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FELDSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLUORSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GERSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GILSONITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GYPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KYANITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEONARDITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAGNESITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OIL SAND/SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIGMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POTASH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUMICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALC-SOAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMICULITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOLASTONITE-STIALITI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1	8	14	-	1	3	2	-	3	2	1	6	2	1	14	9	4	3	129	189	8	6
OFFICE:																						
CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GYPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINES AND PLANTS:																						
APLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6
ASBESTOS	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	21
BARITE	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	9
BERYL	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	344
CLAY	-	39	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	382	17
FELDSPAR	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	18
FLUORSPAR	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	11
GEMSTONES	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	11
GILSONITE	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	33
GYPSUM	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	8
KYANITE	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
LEONARDITE	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	3
MANGANESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	28
MICA	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	6
OIL SAND/SHALE	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	19
PERLITE	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	34
PHOSPHATE	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	161	128
PICOPENT	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5
POTASH	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	5
QUARTZ	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	8
SALT	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	117	87
SHALE	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	21
SODIUM COMPOUNDS	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105	136
TALC-SOAPSTONE	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	51
VERMICULITE	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7
WOLASTONITE-STAUROLITE	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
OTHER NONMETAL NEC	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	58
TOTAL	118	85	1	1	3	2	-	-	-	-	130	167	288	140	25	12	8	8	38	44	1,266	1,093
OFFICE:																						
CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3
GYPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
SODIUM COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	9

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL
GRAND TOTAL:	1	8	14	-	1	3	2	-	3	2	1	6	2	1	14	9	484	412	129	190	8	6
APLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BORON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FELDSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLOPSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEMSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GILSONITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GYPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KYANITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEONARDITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAGNESITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OIL SAND/SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PICOMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POTASH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUMICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALC-SERPENTINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMICULITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOLASTONITE-STAUROLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1	8	14	-	1	3	2	-	3	2	1	6	2	1	14	9	484	412	129	190	8	6

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1988 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL:																						
APLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
ASBESTOS	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	24
BARITE	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	11
BORON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	384
CLAY	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	31
FELDSPAR	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
FELDSPAR	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	347
FELDSPAR	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
GEMSTONES	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
GILSONITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
GYPSUM	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
KYANITE	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
LEONARDITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
MANGANESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
MICA	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MICA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
OIL SAND/SHALE	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
PERLITE	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
PHOSPHATE	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
PICOPENT	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
POTASH	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34
PUMICE	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	128
PUMICE	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
SALT	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
SALT	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
SHALE	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88
SODIUM COMPOUNDS	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
TALC-SERPENTINE	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136
VERMICULITE	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
WOLASTONITE-STAUROLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
OTHER NONMETAL. NEC.	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
TOTAL	118	85	1	1	3	2	-	-	-	-	130	167	288	143	25	12	8	8	38	44	1,270	1,102

TABLE 16. - NUMBER OF LOST HOURS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
CLAY	-	4	-	-	-	-	-	-	-	-	-	9	-	12	-	-	-	-	-	-	12	58
FLUORSPAR	-	14	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	3	20
GEMSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6,000	611
GILSONITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77	54
GRAPHS	-	7	-	-	-	-	-	-	-	-	-	17	-	25	4	-	-	-	-	-	6,000	1,882
OIL SAND/SHALE	-	-	-	-	-	-	-	-	-	-	-	24	-	11	-	-	-	-	-	-	54	808
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	473	-	83	-	-	-	-	-	-	6,000	1,522
POTASH	-	161	-	-	-	-	-	-	-	-	-	29	-	231	11	-	-	-	-	-	4	148
SALT	-	145	-	-	-	-	-	-	-	-	-	401	-	190	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	149	-	5	-	-	-	-	-	-	-	103	-	-	-	-	-	-	-	-	-	-
TALC-SERPENTINE	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	493	-	5	-	-	-	-	-	-	-	1,056	-	554	-	165	-	-	-	9	12,000	5,205
SURFACE AT I.G.																						
FLUORSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OIL SAND/SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POTASH	-	-	-	-	-	-	-	-	-	-	-	29	-	238	-	-	-	-	-	-	-	-
SALT	-	28	-	-	-	-	-	-	-	-	-	182	-	94	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-
TALC-SERPENTINE	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-	-	-
TOTAL	-	28	-	-	-	-	-	-	-	-	-	211	-	377	-	-	-	-	-	26	-	1,001
TOTAL UNDERGROUND:																						
CLAY	-	4	-	-	-	-	-	-	-	-	-	9	-	12	-	-	-	-	-	-	-	-
FLUORSPAR	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEMSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GILSONITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAPHS	-	7	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
OIL SAND/SHALE	-	-	-	-	-	-	-	-	-	-	-	17	-	25	4	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	502	-	222	-	-	-	-	-	-	-	-
POTASH	-	161	-	-	-	-	-	-	-	-	-	211	-	323	-	-	-	-	-	-	-	-
SALT	-	173	-	5	-	-	-	-	-	-	-	401	-	195	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	149	-	-	-	-	-	-	-	-	-	103	-	38	-	-	-	-	-	-	-	-
TALC-SERPENTINE	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	521	-	5	-	-	-	-	-	-	-	1,267	-	931	-	165	-	-	-	35	12,000	6,206

TABLE 16. NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATE, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
SURFACE MINES:																						
OPEN PIT:																						
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BORON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FELDSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEMSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUMICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALC-SDAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDERGROUND:																						
DREDFGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL SURFACE:																						
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BORON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FELDSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEMSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUMICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALC-SDAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
SURFACE MINES:																						
OPEN PIT:																						
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	23
BARITE	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	112
BORON	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60
CLAY	517	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,627	1,627
FELDSPAR	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	24
GEMSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GYP-SUM	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	6,000
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	403	403
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	32
PUMICE	1,863	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	68
SHALE	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,745	3,745
TALC	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	186	186
SOAPSTONE	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	193	193
OTHER NONMETAL NET	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	868	868
TOTAL	2,547	-	-	-	-	-	-	-	-	-	662	-	1,311	-	81	-	2	-	232	-	6,000	7,434
DREDGE:																						
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	6	-	24	-	-	-	-	-	-	-	35	35
SALT	-	-	-	-	-	-	-	-	-	-	6	-	24	-	-	-	-	-	-	-	66	66
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101	101
SURFACE:																						
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	23
BARITE	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	112
BORON	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60
CLAY	517	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,627	1,627
FELDSPAR	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	24
GEMSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GYP-SUM	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	6,000
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	403	403
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6
PHOSPHATE	1,863	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	32
PUMICE	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	68
SALT	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,745	3,745
SHALE	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	186	186
TALC	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60
SOAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	193	193
OTHER NONMETAL NET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	868	868
TOTAL	2,547	-	-	-	-	-	-	-	-	-	668	-	1,335	-	81	-	2	-	232	-	6,000	7,535

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINING:																						
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BORON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FELDSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLUORSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEMSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GILSONITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GLASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OIL SAND/SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POTASH	6,000	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRIMICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALC/SOAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL MIN.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6,000	109	-	-	-	7	-	-	-	61	5,000	193	6,000	830	-	1	-	3,961	-	763	-	27
INDEPENDENT SHOPS:																						
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		IMMUNIZATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINING:																						
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
BARITE	-	2	-	-	-	-	-	-	-	-	-	-	-	110	-	-	-	-	-	-	-	112
BORON	-	10	-	-	-	-	-	-	-	-	-	-	-	368	-	-	-	-	-	-	-	60
CLAY	-	521	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-	-	-	1,639
FLUORSPAR	-	14	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	60
GEMSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	58
GIPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	3
LITHIUM	-	33	-	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-	-	-	20
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	-	1,014
OIL SAND/SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-	-	-	-	-	-	6
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-	-	-	-	-	-	32
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	237	-	-	-	-	-	-	-	77
POTASH	-	1,863	-	-	-	-	-	-	-	-	-	-	-	502	-	-	-	-	-	-	-	58
PLUMICE	-	161	-	-	-	-	-	-	-	-	-	-	-	322	-	-	-	-	-	-	-	3,881
SALT	-	4	-	-	-	-	-	-	-	-	-	-	-	71	-	-	-	-	-	-	-	2,198
SHALE	-	173	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	5,000
SODIUM COMPOUNDS	-	35	-	-	-	-	-	-	-	-	-	-	-	325	-	-	-	-	-	-	-	1,478
TALC	-	149	-	-	-	-	-	-	-	-	-	-	-	33	-	-	-	-	-	-	-	193
TALC-SEPIOLITE	-	96	-	-	-	-	-	-	-	-	-	-	-	196	-	-	-	-	-	-	-	1,528
OTHER NONMETAL MIN.	-	2	-	-	-	-	-	-	-	-	-	-	-	186	-	-	-	-	-	-	-	1,054
TOTAL	-	3,068	-	5	-	-	-	-	-	-	-	1,935	-	2,266	-	245	-	2	-	267	-	18,000
INDEPENDENT SHOPS:																						
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,741
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONFACED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
PROCESSING PLANTS:																						
APATITE																						
ASBESTOS																						
BARIUM																						
BORON																						
CLAY		73																				
FELDSPAR																						
FLUOSPAR																						
GILSONITE																						
GYPSUM																						
KYANITE																						
LEONARDITE																						
MALACHITE																						
MICA																						
PERITE																						
PHOSPHATE					5,000	30																
PICOPENT																						
POTASH																						
PUMICE																						
SALT																						
SPAL																						
SODIUM COMPOUNDS																						
TALC-SEPIOLITE																						
VERMICULITE																						
WOLASTONITE-STAUROLITE																						
OTHER NONMETAL NEC.						5																
TOTAL		73			5,000	35				2						131		7,022		1,659		31

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
PROCESSING PLANTS:																						
APLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	472
BARITE	-	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112
BORON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,272
CLAY	-	1,153	-	-	18	-	-	-	-	-	-	-	-	-	-	-	4	-	135	-	-	517
FELDSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	188
FLUORSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46
GILSONITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	213
GYPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	176
KYANITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56
LEONARDITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	325
MANGANESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	406
MICA	-	111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	468
PERLITE	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,552
PHOSPHATE	-	267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72
PICHLINITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	861
POTASH	-	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	139
PUMICE	-	247	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	808
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	372
SHALE	-	16	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,747
SODIUM COMPOUNDS	-	218	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,545
TALC-SEPIOLITE	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	158
VERMICULITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
WOLASTONITE-STAUROLITE	-	381	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,080
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18,650
TOTAL	-	2,580	-	-	35	-	-	-	-	-	-	-	-	5,257	-	300	-	37	-	198	-	6,000

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWDERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINES AND PLANTS:																						
APLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BORON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FELDSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLUORSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEMSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GILSONITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GYPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KYANITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEONARITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OIL SAND/SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PICRENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POTASH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUMICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALC SOAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMICULITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOLASTONITE-STAUROLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6,000	182	-	-	6,000	42	-	-	53	6,000	133	6,000	830	-	132	-	10,983	-	2,422	-	-	58
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GYPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINES AND PLANTS:																						
APLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-
BARITE	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	584	-
BORON	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-
CLAY	-	1,674	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	159	-
FELDSPAR	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLOORSFAR	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GERSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GILSONITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIPSUM	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KYANITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEONAROLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAGNESITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICA	-	111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OIL SAND/SHALE	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERLITE	-	2,130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POTASH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUMICE	-	161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHALE	-	420	-	5	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALC-SILICONE	-	367	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMICULITE	-	106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOLASTONITE-STAUROLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	5,648	-	5	-	35	-	-	-	-	-	3,227	-	7,523	-	546	-	39	-	465	-	32,383
OFFICE:																						
CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPROTECTED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL:																						
APLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BARITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BORON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLUOSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLUORSPAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEMSTONES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GILSONITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GYPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KYANITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEONARDITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAGNESITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OIL SAND/SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POTASH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUMICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALC-SOAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMICULITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOLASTONITE-STAUROLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6,000	182	-	-	6,000	42	-	-	63	6,000	193	6,000	830	132	-	11,035	-	2,422	-	-	-	-

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL:																						
APLITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-
ASBESTOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-
BARITE	-	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	594	-
BORON	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	172	-
CLAY	-	1,674	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,940	-
FELDSPAR	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	577	-
FLUORSPAR	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	247	-
GENS.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,000	-
GILSONITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
GYPSUM	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-
KYANITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,227	-
LEONARDITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	176	-
LITHIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-
MAGNESITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	325	-
MICA	-	111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	438	-
OIL SAND/SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-
PERLITE	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-
PHOSPHATE	-	2,130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-
PICOMINT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77	-
POTASH	-	161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
PUMICE	-	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	-
SALT	-	420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72	-
SHALE	-	51	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,059	-
SCODOL COMPOUNDS	-	367	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	325	-
TALC-SCORPION	-	106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,285	-
VERMICULITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	565	-
WOLASTONITE-STANNIT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,301	-
OTHER NONMETALLIC NEC	-	383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,599	-
TOTAL	-	5,648	-	5	-	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,131	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	485	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24,000	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32,446	-

TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFDL		
		TOTAL	PARTIAL	TEMPO-RARY				TOTAL NFDL	TOTAL	PARTIAL						
UNDERGROUND MINES:																
UNDERGROUND:	-	-	-	5	5	5	9	-	-	-	213	-	-	-	43	-
BELTMAN/ROOM OP.	-	-	-	3	3	3	3	-	-	-	94	-	-	-	31	-
BULLDOZER/MOBILE EQUIP.	-	-	-	8	8	8	12	-	-	-	76	-	-	-	10	-
DRILL OPERATOR	-	-	-	8	8	8	12	-	-	-	184	-	-	-	23	-
ELECTRICIAN	-	-	-	2	2	2	3	-	-	-	23	-	-	-	12	-
FRONT END LOADER	-	-	-	14	14	14	22	-	-	-	373	-	-	-	76	-
HAIL DUMP	-	-	-	1	1	1	3	-	-	-	76	-	-	-	27	-
HOLIST/CAGE/SKIP	-	-	-	25	25	25	43	-	-	-	549	-	-	-	76	-
LABORER	-	-	-	4	4	4	5	-	-	-	247	-	-	-	22	-
LOADING MCHT. OP.	-	-	-	36	36	36	84	-	-	-	1,074	-	-	-	62	-
MECHANIC/MAINTENANCE	1	-	-	31	32	32	67	6,000	-	6,000	1,063	600	500	30	15	191
MINER	1	-	-	15	15	15	24	-	-	-	7,063	-	-	30	5	221
MINING MCHT. OP.	-	-	-	4	4	4	7	-	-	-	20	-	-	5	5	30
POWDERMAN/BLASTER	-	-	-	1	1	1	2	-	-	-	13	-	-	13	13	13
RAIL TRAMP AND HAUL	-	-	-	9	9	9	14	-	-	-	207	-	-	23	23	23
ROCK/ROOF BOLTER	-	-	-	5	5	5	8	-	-	-	117	-	-	-	-	-
SUPERVISOR/FOREMAN	-	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-
TECH./PROP./CLERICAL	-	-	-	2	2	2	5	-	-	-	8	-	-	4	4	4
TIMBERMAN/JACKSETTER	-	-	-	3	3	3	5	-	-	-	150	-	-	50	50	50
TRUCK DRIVER	-	-	-	6	6	6	14	-	-	-	224	-	-	-	37	-
WELDER/MACHINIST	-	-	-	2	2	2	3	-	-	-	-	-	-	-	-	-
N.E.C. OR UNKNOWN	-	-	-	181	183	178	363	-	-	-	4,555	650	325	25	-	93
TOTAL OR AVERAGE	2	-	-	37	37	33	70	12,000	-	12,000	5,205	650	325	25	-	93
SURFACE AT UNDERGROUND:																
DRILL OPERATOR	-	-	-	1	1	1	1	-	-	-	131	-	-	131	131	131
ELECTRICIAN	-	-	-	2	2	2	3	-	-	-	57	-	-	28	28	28
HOLIST/CAGE/SKIP	-	-	-	8	8	8	15	-	-	-	4	-	-	4	4	4
LABORER	-	-	-	10	10	10	20	-	-	-	132	-	-	15	15	15
MECHANIC/MAINTENANCE	-	-	-	2	2	2	3	-	-	-	171	-	-	38	38	38
MINER	-	-	-	7	7	7	10	-	-	-	77	-	-	35	35	35
POWDERMAN/BLASTER	-	-	-	1	1	1	5	-	-	-	35	-	-	15	15	15
PREP. PLANT OP.	-	-	-	1	1	1	3	-	-	-	15	-	-	6	6	6
SUPERVISOR/FOREMAN	-	-	-	1	1	1	2	-	-	-	6	-	-	-	-	-
TECH./PROP./CLERICAL	-	-	-	1	1	1	2	-	-	-	52	-	-	17	17	17
TRUCK DRIVER	-	-	-	3	3	3	4	-	-	-	-	-	-	-	-	-
WELDER/MACHINIST	-	-	-	37	37	33	70	-	-	-	1,001	-	-	-	-	-
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	37	37	33	70	-	-	-	1,001	-	-	-	27	27

TABLE 17. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		TOTAL	PERMANENT	PARTIAL					TOTAL	PARTIAL				
TOTAL OR AVERAGE, U.S.:	-	5	3	9	5	4	9	-	-	-	213	-	43	43
BELTMAN/BOOM OPR.	-	3	3	3	9	-	3	-	-	-	94	-	31	31
BULLDOZER/MOBILE EQUIP.	-	9	10	10	2	4	13	-	-	-	207	-	23	23
DRILL OPERATOR	-	2	2	2	2	5	15	-	-	-	241	-	24	24
ELECTRICIAN	-	14	14	14	2	8	22	-	-	-	23	-	12	12
FRONT END LOADER	-	2	2	2	2	2	4	-	-	-	373	-	27	27
HAIL DUMP	-	33	33	33	4	25	58	-	-	-	80	-	40	40
HOLST/CRACK/SKIP	-	46	46	46	4	1	104	-	-	-	681	-	21	21
LABORER	-	32	33	34	36	57	104	-	-	-	247	-	62	62
LOADING MACH. OPR.	-	15	15	15	9	36	70	6,000	-	-	7,245	-	27	27
MECHANIC/MAINTENANCE	1	7	7	7	7	3	24	6,000	-	-	1,140	600	30	154
MINER	1	1	1	1	1	1	1	-	-	-	444	-	11	11
MINING MACH. OPR.	-	5	5	5	5	3	8	-	-	-	55	-	46	46
POWERMAN/BLASTER	-	1	1	1	1	1	1	-	-	-	321	-	13	13
PREP. PLANT OPR.	-	9	9	9	9	16	25	-	-	-	207	-	23	23
RAIL TRANS. AND HAIL	-	6	6	6	6	12	19	-	-	-	182	-	22	22
ROCK/ROOF BOLTER	-	1	1	1	1	5	5	-	-	-	-	-	-	-
SUPERVISOR/FOREMAN	-	3	3	3	3	4	7	-	-	-	14	-	5	5
TECH./PROP./CLERICAL	-	3	3	3	3	5	8	-	-	-	150	-	50	50
TIMBERMAN/JACKSETTER	-	9	9	9	9	9	18	-	-	-	276	-	31	31
TRUCK DRIVER	-	2	2	2	2	211	433	12,000	650	-	18,206	325	25	82
WELDER/MACHINIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	2	218	220	222	222	211	433	12,000	650	-	18,206	325	25	82
SURFACE MINES:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OPEN PIT:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BELTMAN/BOOM OPR.	-	2	25	2	25	-	2	-	-	-	38	-	19	19
BULLDOZER/MOBILE EQUIP.	-	1	1	1	1	10	35	-	-	-	501	60	28	28
CLEANUP/VENTILATION	-	12	12	12	12	10	22	-	-	-	28	-	13	13
DRAG/CRANE/SHOVEL OPR.	-	7	7	7	7	5	12	-	-	-	152	-	4	4
DREDGE/BARGE/BOAT	-	7	7	7	7	5	12	-	-	-	183	-	26	26
DRILL OPERATOR	-	20	20	20	20	4	24	-	-	-	496	-	14	14
ELECTRICIAN	-	27	27	27	27	22	49	-	-	-	583	-	25	25
FRONT END LOADER	-	51	51	51	51	47	103	-	-	-	3,435	-	22	22
LABORER	-	5	5	5	5	5	15	-	-	-	113	530	15	15
MECHANIC/MAINTENANCE	-	1	1	1	1	7	13	-	-	-	166	-	10	10
MINER	-	6	6	6	6	9	20	-	-	-	164	-	166	166
POWERMAN/BLASTER	-	10	10	10	10	9	20	-	-	-	146	-	27	27
PREP. PLANT OPR.	1	3	3	3	3	2	5	6,000	-	-	6,146	-	15	15
SUPERVISOR/FOREMAN	-	28	28	28	28	15	43	-	-	-	119	-	40	40
TECH./PROP./CLERICAL	-	6	6	6	6	7	14	-	-	-	989	-	35	35
TRUCK DRIVER	-	13	13	13	13	7	20	-	-	-	130	50	7	7
WELDER/MACHINIST	-	-	-	-	-	-	-	-	-	-	-	-	10	10
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	20	20
TOTAL OR AVERAGE	1	230	237	238	238	155	353	6,000	2,760	-	7,434	394	20	56

TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPORARY						TOTAL	PARTIAL					
			TOTAL	PARTIAL											
											TOTAL				
DREDGE: BULLDOZER/MOBILE EQUIP. - ELECTRICIAN - MECHANIC/MAINTENANCE - WELDER/MACHINIST - TOTAL OR AVERAGE -----	- - - - - -	- - - - - -	2 2 2 2 4 -	- 1 2 2 4 3	2 2 2 2 4 -	- 1 2 2 4 3	2 2 2 2 4 7	- - - - - -	- - - - - -	11 90 - - 101 -	- - - - - -	6 45 - - 25 -			
TOTAL OR AVERAGE, SURFACE: BELTMAN/ROOM OPR - BULLDOZER/MOBILE EQUIP. - CLEANUP/VENTILATION - DRAG/CRANE/SHOVEL OPR - DREDGE/RANGE/BOAT - DRILL OPERATOR - ELECTRICIAN - FRONT END LOADER - LABORER - MECHANIC/MAINTENANCE - MINER - POWERMAN/BLASTER - PREP. PLANT OPR - SUPERVISOR/FOREMAN - TECH./PROF./CLERICAL - TRUCK DRIVER - WELDER/MACHINIST - N.E.C. OR UNKNOWN - TOTAL OR AVERAGE -----	- - - - - - - - - - - - - 1 - - - - - 1 -	- 1 1 1 1 1 1 1 1 5 1 1 6 10 3 28 6 13 7	2 27 1 12 7 7 20 27 58 11 1 6 10 3 28 7 13 241	- 10 10 2 6 4 4 22 47 5 1 7 9 15 9 7 158	2 27 1 12 7 7 20 27 58 11 1 6 10 3 28 7 13 241	2 37 1 22 1 12 13 24 49 105 16 1 13 29 5 43 16 20 450	- - - - - - - - - - - - - 5,000 - - - - - 5,000 -	- - - - - - - - - 2,650 - - - - - - - - - 2,760 -	38 512 28 152 4 183 97 496 583 3,525 113 166 164 146 119 988 40 130 7,535	- 60 - - - - - - - - - - - - - - 50 - - 2,760 -	19 17 28 13 4 26 14 26 22 17 10 166 27 15 40 35 7 10 20	6 - 45 - - 25 -			

TABLE 17. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL	PARTIAL	TOTAL						
TOTAL OR AVERAGE, MINING:																
BELTMAN/BOOM OPR.	-	-	7	7	7	11	-	-	-	-	251	-	251	251	-	36
BULLDOZER/MOBILE EQUIP.	-	-	30	30	30	40	-	-	-	-	546	-	546	546	-	36
CLEANUP/VENTILATION	-	-	1	1	1	1	-	-	-	-	28	-	28	28	-	19
DRAW/CRAVE/SHOVEL OPR.	-	-	12	12	12	22	-	-	-	-	152	-	152	152	-	26
DREDGE/BARGE/BOAT	-	-	1	1	1	1	-	-	-	-	4	-	4	4	-	4
DRILL OPERATOR	-	-	16	16	16	25	-	-	-	-	390	-	390	390	-	24
ELECTRICIAN	-	-	17	17	17	28	-	-	-	-	338	-	338	338	-	24
FRONT END LOADER	-	-	22	22	22	27	-	-	-	-	519	-	519	519	-	20
HAIL DUMP	-	-	14	14	14	22	-	-	-	-	373	-	373	373	-	24
HOT/ST/AGE/SKIP	-	-	2	2	2	4	-	-	-	-	80	-	80	80	-	27
LABORER	-	-	60	60	60	107	-	-	-	-	1,264	-	1,264	1,264	-	40
LOADING MACH. OPR.	-	-	4	4	4	5	-	-	-	-	247	-	247	247	-	21
MECHANIC/MAINTENANCE	-	-	99	104	105	209	6,000	-	-	-	4,770	2,650	7,420	10,770	530	62
MINER	1	5	43	44	45	86	6,000	-	-	-	1,253	500	1,753	7,253	600	161
MINING MACH. OPR.	1	1	15	15	15	24	-	-	-	-	444	-	444	444	-	30
OVERMAN/BLASTER	-	-	13	13	13	23	-	-	-	-	221	-	221	221	-	37
PROP. PLANT OPR.	-	-	9	9	9	9	-	-	-	-	485	-	485	485	-	37
RAIL TRANSP. AND HAIL	-	-	1	1	1	2	-	-	-	-	13	-	13	13	-	13
ROCK/ROOF BOT. OPR.	-	-	1	1	1	2	-	-	-	-	207	-	207	207	-	23
SUPERVISOR/FOREMAN	-	-	16	16	16	25	-	-	-	-	328	-	328	328	-	17
TECH. PROP./CLERICAL	-	-	3	3	3	10	-	-	-	-	119	-	119	119	-	32
TIMBERMAN/JACKSETTER	-	-	31	31	31	50	-	-	-	-	1,003	-	1,003	1,003	-	40
TRUCK DRIVER	-	-	9	9	9	19	-	-	-	-	130	-	130	130	-	22
WELDER/MACHINIST	-	-	22	22	22	38	-	-	-	-	406	-	406	406	-	18
N.E.C. OR UNKNOWN	-	-	452	452	452	833	-	-	-	-	10,331	-	10,331	10,331	-	23
TOTAL OR AVERAGE	3	9	452	461	464	833	18,000	-	-	-	31,741	3,410	35,151	38,561	3,799	68
INDEPENDENT SHOPS:																
BULLDOZER/MOBILE EQUIP.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-

TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPORARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL					TOTAL	PARTIAL	TOTAL					
TOTAL OR AVERAGE	4	-	1,238	1,266	1,270	1,053	2,363	24,000	32,353	6,655	25,738	36,353	238	21	44	
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MECHANIC/MAINTENANCE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PREP. PLANT OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TECH./PROF./CLERICAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	4	4	4	9	13	-	53	-	53	53	-	13	13	13

TABLE 17. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL NFDL				TOTAL	PARTIAL	TOTAL NFDL					
	TOTAL	PARTIAL													
GRAND TOTAL OR AVERAGE:	4	1,242	1,270	1,274	1,102	2,376	24,000	6,555	25,791	32,445	56,446	238	21	44	
BELTMAN/CON OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BUILDING/MOBILE EQUIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CLEANUP/VENTILATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DRAG/CRANE/SHOVEL OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DREDGE/DREDGE BOAT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DRILL OPERATOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ELECTRICIAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FRONT END LOADER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HAIL DUMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HOLIST/CRANE/SKIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LABORER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LOADING MACH OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MECHANIC/MAINTENANCE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MINER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MINING MACH OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POWDERMAN/BLASTER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PROP PLANT OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RAIL TRANS AND HAUL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ROCK/ROOF BOLTER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUPERVISOR/FOREMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TECH /ROOF /CLERICAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TIMBERMAN/ADJUSTER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRUCK DRIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WELDER/MACHINIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE:	4	1,242	1,270	1,274	1,102	2,376	24,000	6,555	25,791	32,445	56,446	238	21	44	

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		TOTAL	PARTIAL	TOTAL				PERMANENT	TEMPORARY	TOTAL						
UNDERGROUND MINES:																
UNDERGROUND:																
ELECTRICAL	1	-	-	2	2	3	6,000	-	-	54	34	-	27	6,054	-	2,018
FALL OF FACE, RIB, SIDE OR HIGHWALL	-	-	-	6	6	6	-	-	-	193	193	-	32	193	-	32
FALL OF ROOF (UNDER- GROUND MINES ONLY)	1	1	1	13	14	15	6,000	-	600	230	830	500	18	6,830	500	455
FIRE	-	-	-	1	1	1	-	-	-	1	1	-	27	1	-	1
HANDLING MATERIAL	-	-	-	48	49	49	-	-	50	1,308	1,358	50	27	1,358	50	28
HAND TOOL	-	-	-	20	20	20	-	-	-	478	478	-	9	478	-	24
NONPOWERED HAULAGE	-	-	-	1	1	1	-	-	-	9	9	-	9	9	-	9
POWERED HAULAGE	-	-	-	20	20	20	-	-	-	493	493	-	25	493	-	25
HOISTING	-	-	-	1	1	1	-	-	-	5	5	-	5	5	-	5
MACHINERY	-	-	-	34	34	34	-	-	-	1,056	1,056	-	31	1,056	-	31
SLIP OR FALL OF PERSON	-	-	-	26	26	26	-	-	-	554	554	-	21	554	-	21
STEPPING OR KNEELING ON OBJECT	-	-	-	7	7	7	-	-	-	165	165	-	24	165	-	24
STRIKING OR BUMPING	-	-	-	2	2	2	-	-	-	9	9	-	4	9	-	4
OTHER INJURIES	-	-	-	2	2	2	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	2	-	2	181	183	185	12,000	-	650	4,555	5,205	325	25	17,205	325	93
SURFACE AT UNDERGROUND:																
ELECTRICAL	-	-	-	1	1	1	-	-	-	55	55	-	55	55	-	55
HANDLING MATERIAL	-	-	-	14	14	14	-	-	-	249	249	-	18	249	-	18
HAND TOOL	-	-	-	3	3	3	-	-	-	55	55	-	18	55	-	18
NONPOWERED HAULAGE	-	-	-	2	2	2	-	-	-	28	28	-	14	28	-	14
POWERED HAULAGE	-	-	-	5	5	5	-	-	-	211	211	-	42	211	-	42
MACHINERY	-	-	-	9	9	9	-	-	-	377	377	-	42	377	-	42
SLIP OR FALL OF PERSON	-	-	-	3	3	3	-	-	-	26	26	-	9	26	-	9
OTHER INJURIES	-	-	-	37	37	37	-	-	-	1,001	1,001	-	27	1,001	-	27
TOTAL OR AVERAGE	-	-	-	37	37	37	-	-	-	1,001	1,001	-	27	1,001	-	27

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		TOTAL	PERMANENT	PARTIAL					TOTAL	TEMPO- RARY	TOTAL NFDL				
1	-	-	3	4	2	6	6,000	-	-	109	6,109	-	36	1,527	
-	-	-	6	6	2	8	-	-	-	193	193	-	32	32	
1	-	1	13	14	9	24	5,000	600	-	230	6,830	600	18	455	
-	-	1	1	1	1	2	-	-	-	1	1	-	1	1	
-	-	1	62	63	77	140	-	-	-	1,557	1,607	50	25	26	
-	-	23	23	23	33	56	-	-	-	533	533	-	23	23	
-	-	1	1	1	1	2	-	-	-	9	9	-	9	9	
-	-	22	22	22	26	48	-	-	-	521	521	-	24	24	
-	-	1	1	1	1	2	-	-	-	5	5	-	5	5	
-	-	39	39	39	34	73	-	-	-	1,267	1,267	-	32	32	
-	-	35	35	35	18	53	-	-	-	931	931	-	27	27	
-	-	7	7	7	2	9	-	-	-	165	165	-	24	24	
-	-	5	5	5	4	9	-	-	-	35	35	-	7	7	
2	-	2	218	220	222	211	433	12,000	650	5,556	6,206	18,206	325	25	82
-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-
-	-	-	1	1	1	2	3	-	-	7	7	7	-	7	7
-	-	2	2	2	2	-	2	-	-	61	61	61	-	30	30
1	-	-	68	71	1	46	117	6,000	-	1,588	-	6,000	-	6,000	6,000
-	-	3	22	22	22	35	57	-	700	225	2,298	2,288	233	23	32
-	-	1	1	1	1	1	1	-	-	18	18	2,288	-	10	10
-	-	1	31	32	32	14	46	-	1,800	747	2,547	2,547	1,800	18	80
-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-
-	-	3	25	28	28	31	59	-	260	402	662	662	87	15	24
-	-	-	63	63	63	19	82	-	-	1,311	1,311	1,311	-	21	21
-	-	-	5	5	5	-	5	-	-	81	81	-	-	16	16
-	-	-	1	1	1	1	1	-	-	2	2	2	-	2	2
-	-	-	11	11	11	4	15	-	-	232	232	232	-	21	21
1	-	7	230	237	238	155	393	6,000	2,760	4,674	7,434	13,434	394	20	56
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE MINES:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OPEN PIT:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICAL	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-
EXPLODING VESSEL	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
UNDER PRESSURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIDING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OR HIGHWALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND TOOL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONPOWERED HAULAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POWERED HAULAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IGNITION OR EXPLOSION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OF GAS OR DUST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIP OR FALL OF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERSON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEPPING OR KNEELING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ON OBJECT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STRIKING OR BUMPING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		TOTAL	PARTIAL	TEMPO- RARY				TOTAL NFDL								
									TOTAL	PARTIAL						
DREDGE:																
HANDLING MATERIAL	-	-	1	1	1	1	-	-	-	66	-	-	66	66	5	6
HAND TOOL	-	-	1	1	1	1	-	-	-	5	-	-	5	5	5	6
MACHINERY	-	-	1	1	1	3	-	-	-	6	-	-	6	6	24	24
SLIP OR FALL OF PERSON	-	-	1	1	1	1	-	-	-	24	-	-	24	24	25	25
OTHER INJURIES	-	-	1	1	1	1	-	-	-	101	-	-	101	101	-	-
TOTAL OR AVERAGE	-	-	4	4	4	7	3	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, SURFACE:	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
ELECTRICAL	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
UNDER PRESSURE	-	-	1	1	1	2	-	-	-	7	-	-	7	7	7	7
FALLING, ROLLING, OR	-	-	2	2	2	2	-	-	-	61	-	-	61	61	30	30
SLIDING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OR HIGHWALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLING MATERIAL	1	-	69	72	72	46	-	6,000	-	1,654	-	-	6,000	6,000	24	33
HAND TOOL	-	-	23	23	23	35	-	-	-	230	-	-	2,354	2,354	10	10
MACHINERY	-	-	1	1	1	1	-	-	-	18	-	-	230	230	18	18
NONPOWERED HAULAGE	-	-	31	32	32	14	-	-	-	747	-	-	2,547	2,547	24	24
POWERED HAULAGE	-	-	1	1	1	1	-	-	-	1,800	-	-	1,800	1,800	24	24
IGNITION OR EXPLOSION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OF GAS OR DUST	-	-	3	29	29	33	-	-	-	408	-	-	668	668	16	23
MACHINERY	-	-	64	64	64	19	-	-	-	1,335	-	-	1,335	1,335	21	21
SLIP OR FALL OF PERSON	-	-	5	5	5	5	-	-	-	81	-	-	81	81	16	16
STEPPING OR KNEELING	-	-	1	1	1	1	-	-	-	2	-	-	2	2	2	2
ON OBJECT	-	-	11	11	11	5	-	-	-	232	-	-	232	232	21	21
STRIKING OR BUMPING	-	-	7	241	242	158	-	6,000	-	4,775	-	-	7,535	7,535	394	56
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	-	234	241	242	400	158	6,000	-	4,775	-	-	13,535	13,535	20	56

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NOL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFIDL		
		TOTAL	PERMANENT	TEMPO-RARY					TOTAL	PERMANENT	TEMPO-RARY					TOTAL	
TOTAL OR AVERAGE, MINING:																	
ELECTRICAL	1	-	3	3	4	5	9	6,000	-	-	109	-	109	6,109	-	36	1,527
EXPLODING VESSEL	-	-	1	1	1	2	3	-	-	-	7	-	7	7	-	7	7
UNDER PRESSURE	-	-	2	2	2	-	2	-	-	-	61	-	61	61	-	30	30
FALLING, ROLLING, OR SLIDING MATERIAL	-	-	6	6	7	2	9	6,000	-	-	193	-	193	6,193	-	32	885
FALL OF FACE, RIB, SIDE OR HIGHWALL	1	-	13	14	15	9	24	6,000	-	600	230	-	830	6,830	600	18	455
FALL OF ROOF (UNDERGROUND MINES ONLY)	1	-	1	1	1	1	2	-	-	-	1	-	1	1	1	1	29
FIRE	-	-	4	4	4	123	258	-	-	750	3,211	-	3,961	3,961	188	25	17
HANDLING MATERIAL	-	-	46	46	46	68	114	-	-	-	763	-	763	763	-	14	14
HAND TOOL	-	-	2	2	2	1	3	-	-	-	27	-	27	27	-	24	24
NONPOWERED HAULAGE	-	-	53	54	54	40	94	-	-	1,800	3,068	-	3,068	3,068	1,800	5	57
POWERED HAULAGE	-	-	1	1	1	1	2	-	-	-	5	-	5	5	-	5	5
HOISTING	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
IGNITION OR EXPLOSION OF GAS OR DUST	-	-	-	-	-	67	135	-	-	250	1,935	-	1,935	1,935	87	26	28
MACHINERY	-	-	65	68	68	37	136	-	-	-	2,256	-	2,256	2,256	-	23	23
SLIP OR FALL OF PERSON	-	-	99	99	99	2	14	-	-	-	245	-	245	245	-	20	20
STEPPING OR KNEELING ON OBJECT	-	-	12	12	12	1	2	-	-	-	2	-	2	2	-	2	2
STRIKING OR BUMPING	-	-	1	1	1	9	25	-	-	-	267	-	267	267	-	17	17
OTHER INJURIES	-	-	16	16	16	9	25	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	3	-	9	461	464	369	833	18,000	-	3,410	10,331	-	13,741	31,741	379	23	68
INDEPENDENT SHOPS:	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
HANDLING MATERIAL	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL				
-	-	5	5	14	5	14	-	-	73	73	73	-	15	15	
1	-	2	2	3	-	3	6,000	-	35	35	6,035	-	18	2,012	
-	-	1	1	3	2	3	-	-	2	2	2	-	2	2	
-	-	3	3	345	283	628	-	-	131	131	7,022	172	44	44	
-	9	83	83	83	121	204	-	1,556	5,472	7,022	1,559	50	16	20	
-	1	6	6	6	5	11	-	50	1,559	1,559	31	50	5	5	
-	3	61	64	64	45	109	-	810	1,770	2,580	2,580	270	29	40	
-	-	3	3	3	1	4	-	-	35	35	35	-	12	12	
-	4	58	62	62	100	162	-	735	557	1,292	1,292	184	10	21	
-	2	187	189	189	103	292	-	100	5,157	5,257	5,257	50	28	28	
-	-	13	13	13	10	23	-	-	300	300	300	-	23	23	
-	-	7	7	7	7	14	-	-	37	37	37	-	5	5	
-	-	22	22	22	35	57	-	-	198	198	198	-	9	9	
1	19	786	805	806	723	1,529	6,000	-	15,407	18,652	24,652	171	20	31	
PROCESSING PLANTS: ELECTRIC EXPLODING VESSEL UNDER PRESSURE FALLING, ROLLING, OR SLIDING MATERIAL FIRE HANDLING MATERIAL HAND TOOL POWERED HAULAGE POWERED HAULAGE IGNITION OR EXPLOSION OF GAS OR DUST MACHINERY SLIP OR FALL OF PERSON STEPPING OR KNEELING ON OBJECT STRIKING OR BUMPING OTHER INJURIES TOTAL OR AVERAGE															

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT NONFEDERAL MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL				
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL FATAL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL								
															TOTAL	PARTIAL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL
TOTAL OR AVERAGE	4	28	1,238	1,266	1,270	2,363	24,000	-	5,655	25,738	32,393	238	21	56,393	44			
ALL MINES AND PLANTS:																		
ELECTRICAL	1	-	8	8	9	23	6,000	-	-	182	182	-	23	6,182	687			
EXPLODING VESSEL	1	-	3	3	4	6	6,000	-	-	42	42	-	14	6,042	1,510			
UNDER PRESSURE	-	-	3	3	3	5	-	-	-	63	63	-	21	63	21			
FALLING, ROLLING, OR SLIDING MATERIAL	1	-	6	6	7	9	6,000	-	-	193	193	-	32	6,193	885			
FALL OF FACE, RIB, SIDE OR HIGHWALL	1	-	13	14	15	24	6,000	-	-	230	230	600	18	6,830	455			
FALL OF ROOF (UNDER- GROUND MINES ONLY)	1	-	4	4	4	7	-	-	-	132	132	-	33	132	33			
FIRE	-	13	467	480	490	887	-	2,300	-	8,683	10,983	177	19	10,983	23			
HANDLING MATERIAL	-	1	128	129	129	318	-	50	-	2,372	2,422	50	19	2,422	19			
HAND TOOL	-	1	8	8	8	14	-	38	-	58	58	-	7	58	7			
NONPOWERED HAULAGE	-	4	114	118	118	203	-	2,610	-	3,038	5,648	652	27	5,648	48			
POWERED HAULAGE	-	-	1	1	1	2	-	-	-	5	5	-	5	5	5			
HOISTING	-	-	3	3	3	5	-	-	-	35	35	-	12	35	12			
IGNITION OR EXPLOSION OF GAS OR DUST	-	-	123	130	130	297	-	995	-	2,232	3,227	142	18	3,227	25			
MACHINERY	-	-	7	7	7	167	-	-	-	7,423	7,523	50	26	7,523	26			
SLIP OR FALL OF PERSON	-	2	285	288	288	428	-	100	-	546	546	-	22	546	22			
STEPPING OR KNEELING ON OBJECT	-	-	25	25	25	37	-	-	-	39	39	-	5	39	5			
STRIKING OR BUMPING	-	-	8	8	8	16	-	-	-	465	465	-	12	465	12			
OTHER INJURIES	-	-	38	38	38	82	-	-	-	25,738	56,393	238	21	56,393	44			
TOTAL OR AVERAGE	4	28	1,238	1,266	1,270	2,363	24,000	-	5,655	25,738	32,393	238	21	56,393	44			
OFFICE:																		
HANDLING MATERIAL	-	-	4	4	4	9	-	-	-	53	53	-	13	53	13			
HAND TOOL	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-			
SLIP OR FALL OF PERSON	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE	-	-	4	4	4	13	-	-	-	53	53	-	13	53	13			

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NOL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL
		PERMANENT	TEMPORARY						TOTAL	PARTIAL	TOTAL NFIDL				
			TOTAL	PARTIAL											
GRAND TOTAL OR AVERAGE:	1	-	8	8	9	14	23	6,000	-	-	182	6,182	-	23	687
ELECTRICAL	1	-	3	3	4	2	6	6,000	-	-	42	6,042	-	14	1,510
EXPLODING VESSEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDER PRESSURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	-	-	3	3	3	2	5	-	-	-	63	63	-	21	21
SLIDING MATERIAL	1	-	6	6	7	2	9	6,000	-	-	193	6,193	-	32	885
FALL OF FACE, RIB, SIDE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OR HIGHWALL	1	-	13	14	15	9	24	6,000	-	600	230	6,830	600	18	455
FALL OF ROOF (UNDER-	-	-	4	4	4	3	7	-	-	-	132	132	-	33	33
GROUND MINES ONLY)	-	-	471	484	484	412	896	-	-	-	8,736	11,036	177	19	23
FIRE	-	13	128	129	129	190	319	-	-	2,300	2,372	2,422	50	19	19
HANDLING MATERIAL	-	-	8	8	8	6	14	-	-	50	58	58	-	7	7
HAND TOOL	-	-	114	118	118	85	203	-	-	-	3,038	5,648	652	27	48
NONPOWERED HAULAGE	-	-	1	1	1	1	2	-	-	-	5	5	-	5	5
POWERED HAULAGE	-	-	3	3	3	2	5	-	-	-	35	35	-	12	12
HOISTING	-	-	7	7	7	167	297	-	-	995	2,232	3,227	142	18	25
IGNITION OR EXPLOSION	-	-	286	288	288	143	431	-	-	100	7,423	7,523	50	26	26
OF GAS OR DUST	-	-	25	25	25	12	37	-	-	-	546	546	-	22	22
MACHINERY	-	-	8	8	8	8	16	-	-	-	39	39	-	5	5
SLIP OR FALL OF	-	-	38	38	38	44	82	-	-	-	465	465	-	12	12
PERSON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEPPING OR KNEELING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ON OBJECT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STRIKING OR BUMPING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	4	-	1,242	1,270	1,274	1,102	2,376	24,000	-	6,655	25,791	56,446	238	21	44

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIL			TOTAL FATAL AND NFIL	NOL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL
		PERMANENT	TOTAL						TEMPO- RARY	TOTAL NFIL					
			TOTAL	PARTIAL											
ELECTRICAL:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
EAR	-	-	1	-	1	2	-	-	-	-	-	-	-	3	3
EYE	-	-	1	-	1	1	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
HAND	-	-	2	-	2	2	-	-	-	-	-	-	-	27	27
FINGER(S)	-	-	2	-	2	1	-	-	-	-	-	-	-	-	-
THIGH	-	-	2	-	2	3	-	6,000	-	-	-	-	-	34	34
BODY SYSTEMS	1	-	3	-	3	3	-	-	-	-	-	-	-	19	19
MULTIPLE PARTS OF BODY	-	-	3	-	3	3	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	-	8	-	9	14	23	6,000	-	-	-	182	-	23	557
EXPLODING VESSEL UNDER PRESSURE:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
EYE	-	-	1	-	1	-	-	-	-	-	-	-	-	5	5
HEAD, NEC	-	-	1	-	1	-	-	-	-	-	-	-	-	30	30
ARM	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-
TRUNK, NEC	-	-	1	-	1	2	-	6,000	-	-	-	-	-	7	7
MULTIPLE PARTS OF BODY	1	-	1	-	2	-	6	6,000	-	-	-	-	-	-	3,004
TOTAL OR AVERAGE	1	-	3	-	4	2	6	6,000	-	-	-	42	-	14	1,510
FALLING, ROLLING, OR SLIDING MATERIAL:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
EYE	-	-	1	-	1	-	-	-	-	-	-	-	-	21	21
NECK	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	1	-	1	-	-	-	-	-	-	-	-	40	40
FOOT	-	-	1	-	1	-	-	-	-	-	-	-	-	2	2
MULTIPLE PARTS OF BODY	-	-	3	-	3	2	5	-	-	-	-	-	-	21	21
TOTAL OR AVERAGE	-	-	3	-	3	2	5	-	-	-	-	63	-	21	63
FALL OF FACE, RIB, SIDE OR HIGHBALL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EYE	-	-	1	-	1	-	-	-	-	-	-	-	-	11	11
FOREARM	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-
PELVIC REGION	-	-	1	-	1	-	-	-	-	-	-	-	-	119	119
ANKLE	-	-	2	-	2	-	-	-	-	-	-	-	-	16	16
FOOT	-	-	1	-	1	-	-	-	-	-	-	-	-	1	1
LOWER EXTREMITIES, NEC	-	-	1	-	2	-	-	6,000	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	1	-	1	-	2	-	2	-	-	-	-	-	-	27	27
TOTAL OR AVERAGE	1	-	5	-	6	7	9	6,000	-	-	-	193	-	32	885

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL	
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL NFIL	TOTAL NFIL						
										TOTAL					PARTIAL
FALL OF ROOF (UNDER- GROUND MINES ONLY):	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD/TEETH/TONGUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NECK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRUNK, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	-	1	13	14	15	9	6,000	600	230	830	600	18	455	33
FIRE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	4	4	4	3	-	-	132	132	-	62	62	33

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	NFIL	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL	
		PERMANENT	TEMPO- RARY	TOTAL NFIL					TOTAL	PARTIAL	TOTAL NFIL					
HANDLING MATERIAL:																
EAR	-	-	19	19	19	3	33	-	-	-	46	-	2	-	-	2
EYE	-	-	-	-	-	52	1	-	-	-	-	-	-	-	-	-
JAW	-	-	-	-	-	8	2	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	2	2	2	3	3	-	-	-	9	-	1	-	-	4
NOSE	-	-	2	2	2	2	1	-	-	-	23	-	12	-	-	26
SCALP	-	-	2	2	2	16	10	-	-	-	46	-	8	-	-	90
FACE, NEC	-	-	1	1	1	3	1	-	-	-	180	-	6	-	-	27
HEAD, NEC	-	-	6	6	6	20	12	-	-	-	39	-	15	-	-	19
NECK	-	-	2	2	2	18	10	-	-	-	268	-	6	-	-	6
UPPER ARM	-	-	7	7	7	27	10	-	-	-	355	-	27	-	-	21
ELBOW	-	-	17	17	17	46	38	-	-	-	131	-	16	-	-	16
FOREARM	-	-	8	8	8	160	116	-	-	-	75	-	19	-	-	6
Wrist	-	-	41	41	41	23	6	-	-	-	112	-	19	-	-	6
HAND	-	-	13	13	13	303	78	-	-	-	4,868	-	19	-	-	19
FINGER(S)	-	-	6	6	6	11	5	-	-	-	102	-	17	-	-	17
UPPER EXTREMITIES, NEC	-	-	224	224	224	26	15	-	-	-	700	-	24	-	-	24
ABDOMEN	-	-	9	9	9	28	9	-	-	-	553	-	7	-	-	7
BACK	-	-	15	15	15	38	15	-	-	-	21	-	15	-	-	15
CHEST	-	-	23	23	23	6	3	-	-	-	677	-	29	-	-	29
PELVIC REGION	-	-	3	3	3	9	1	-	-	-	42	-	14	-	-	14
SHOULDER(S)	-	-	23	23	23	32	4	-	-	-	163	-	27	-	-	27
TRUNK, NEC	-	-	3	3	3	6	1	-	-	-	5	-	5	-	-	5
THIGH	-	-	23	23	23	3	3	-	-	-	295	-	33	-	-	33
KNEE	-	-	3	3	3	30	16	-	-	-	345	-	25	-	-	25
LOWER LEG	-	-	6	6	6	14	1	-	-	-	11,036	-	19	-	-	19
ANKLE	-	-	1	1	1	412	412	-	-	-	8,736	-	23	-	-	23
FOOT	-	-	9	9	9	896	896	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	14	14	14	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	13	471	484	484	896	412	-	2,300	8,736	11,036	177	-	25	-	23

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY										
	FATAL	NFIL			TOTAL FATAL AND NFIL	NFIL	TOTAL INJURIES	FATAL	NFIL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL							
		PERMANENT	TOTAL						P - NENT	TEMPO- RARY	TOTAL NFIL										
			TOTAL	PARTIAL					TOTAL	PARTIAL											
HAND TOOL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
EAR:	-	-	-	-	-	-	1	-	-	-	-	-	-	1							
EYE:	-	-	-	-	-	-	21	-	-	-	-	-	-	1							
ARM:	-	-	-	-	-	-	4	-	-	-	-	-	-	1							
MOUTH/TEETH/TONGUE:	-	-	-	-	-	-	11	-	-	-	-	-	-	2							
NOSE:	-	-	-	-	-	-	3	-	-	-	-	-	-	2							
FACE, NEC:	-	-	-	-	-	-	10	-	-	-	-	-	-	2							
HEAD, NEC:	-	-	-	-	-	-	57	-	-	-	-	-	-	4							
NECK:	-	-	-	-	-	-	2	-	-	-	-	-	-	6							
ELBOW:	-	-	-	-	-	-	3	-	-	-	-	-	-	8							
FOREARM:	-	-	-	-	-	-	17	-	-	-	-	-	-	8							
Wrist:	-	-	-	-	-	-	8	-	-	-	-	-	-	10							
HAND:	-	-	-	-	-	-	27	-	-	-	-	-	-	11							
FINGER(S):	-	-	-	-	-	-	85	-	-	-	-	-	-	4							
UPPER EXTREMITIES, NEC:	-	-	-	-	-	-	9	-	-	-	-	-	-	3							
ABDOMEN:	-	-	-	-	-	-	1	-	-	-	-	-	-	2							
BACK:	-	-	-	-	-	-	10	-	-	-	-	-	-	5							
CHEST:	-	-	-	-	-	-	8	-	-	-	-	-	-	10							
PELVIC REGION:	-	-	-	-	-	-	1	-	-	-	-	-	-	11							
SHOULDER(S):	-	-	-	-	-	-	31	-	-	-	-	-	-	4							
TRUNK, NEC:	-	-	-	-	-	-	10	-	-	-	-	-	-	3							
THIGH:	-	-	-	-	-	-	1	-	-	-	-	-	-	8							
KNEE:	-	-	-	-	-	-	10	-	-	-	-	-	-	2							
LOWER LEG:	-	-	-	-	-	-	4	-	-	-	-	-	-	11							
ANKLE:	-	-	-	-	-	-	2	-	-	-	-	-	-	2							
FOOT:	-	-	-	-	-	-	2	-	-	-	-	-	-	19							
TOE(S):	-	-	-	-	-	-	1	-	-	-	-	-	-	8							
LOWER EXTREMITIES, NEC:	-	-	-	-	-	-	11	-	-	-	-	-	-	2							
MULTIPLE PARTS OF BODY:	-	-	-	-	-	-	190	-	-	-	-	-	-	19							
TOTAL OR AVERAGE:	-	-	-	-	-	-	319	-	-	-	-	-	-	19							
NONPOWERED HALLAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
HAND:	-	-	-	-	-	-	1	-	-	-	-	-	-	2							
FINGER(S):	-	-	-	-	-	-	4	-	-	-	-	-	-	10							
BACK:	-	-	-	-	-	-	2	-	-	-	-	-	-	13							
CHEST:	-	-	-	-	-	-	1	-	-	-	-	-	-	3							
KNEE:	-	-	-	-	-	-	1	-	-	-	-	-	-	5							
ANKLE:	-	-	-	-	-	-	1	-	-	-	-	-	-	7							
FOOT:	-	-	-	-	-	-	14	-	-	-	-	-	-	-							
LOWER EXTREMITIES, NEC:	-	-	-	-	-	-	5	-	-	-	-	-	-	-							
TOTAL OR AVERAGE:	-	-	-	-	-	-	8	-	-	-	-	-	-	58							

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL				PERMANENT	TEMPO- RARY	TOTAL NFDL				
POWERED HAULAGE:														
EAR	-	-	-	-	5	-	-	-	-	-	-	-	-	2
EYE	-	-	-	-	5	-	-	-	-	-	-	-	-	2
MOUTH/TEETH/TONGUE	-	-	-	-	1	-	-	-	-	-	-	-	-	2
NOSE	-	-	-	-	1	-	-	-	-	-	-	-	-	2
FACE, NEC	-	-	-	-	3	-	-	-	-	-	-	-	-	50
HEAD, NEC	-	-	-	-	6	-	-	-	-	-	-	-	-	9
NECK	-	-	-	-	1	-	-	-	-	-	-	-	-	23
ELBOW	-	-	-	-	1	-	-	-	-	-	-	-	-	15
FOREARM	-	-	-	-	1	-	-	-	-	-	-	-	-	24
Wrist	-	-	-	-	2	-	-	-	-	-	-	-	-	23
HAND	-	-	-	-	9	-	-	-	-	-	-	-	-	23
FINGER(S)	-	-	-	-	14	-	-	-	-	-	-	-	-	73
UPPER EXTREMITIES, NEC	-	-	-	-	9	-	-	-	-	-	-	-	-	33
BACK	-	-	-	-	22	-	-	-	-	-	-	-	-	24
CHEST	-	-	-	-	5	-	-	-	-	-	-	-	-	6
PELVIC REGION	-	-	-	-	3	-	-	-	-	-	-	-	-	38
SHOULDER(S)	-	-	-	-	3	-	-	-	-	-	-	-	-	29
TRUNK, NEC	-	-	-	-	7	-	-	-	-	-	-	-	-	41
KNEE	-	-	-	-	1	-	-	-	-	-	-	-	-	80
LOWER LEG	-	-	-	-	1	-	-	-	-	-	-	-	-	61
ANKLE	-	-	-	-	4	-	-	-	-	-	-	-	-	15
FOOT	-	-	-	-	4	-	-	-	-	-	-	-	-	32
TOE(S)	-	-	-	-	4	-	-	-	-	-	-	-	-	28
LOWER EXTREMITIES, NEC	-	-	-	-	12	-	-	-	-	-	-	-	-	21
MULTIPLE PARTS OF BODY	-	-	-	-	1	-	-	-	-	-	-	-	-	48
UNCLASSIFIED	-	-	-	-	1	-	-	-	-	-	-	-	-	27
TOTAL OR AVERAGE	-	4	114	118	118	203	-	2,610	3,038	5,648	5,648	652	27	48
HOISTING:														
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-	5
CHEST	-	-	-	-	-	-	-	-	-	-	-	-	-	5
TOTAL OR AVERAGE	-	-	1	1	1	2	-	-	5	5	-	-	-	5
IGNITION OR EXPLOSION OF GAS OR DUST:														
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	7
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	7
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	11
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	17
TOTAL OR AVERAGE	-	-	3	3	3	5	-	-	35	35	-	-	-	12

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NEFL			TOTAL FATAL AND NEFL	NOL	TOTAL INJURIES	FATAL	NEFL			TOTAL FATAL AND NEFL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NEFL
		PERMANENT	TOTAL						TOTAL	TEMPO- RARY	TOTAL NEFL				
			TOTAL	PARTIAL											
MACHINERY:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NECK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER ARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PELVIC REGION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRUNK, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THIGH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NOL	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY
		PERMANENT	TEMPORARY	TOTAL NFDL					TOTAL	PARTIAL			
SLIP OR FALL OF PERSON:													
EYE	-	-	-	-	-	1	1	-	-	-	1	-	1
SCALP	-	-	-	-	-	1	1	-	-	-	1	-	1
FACE, NEC	-	-	-	-	-	1	1	-	-	-	1	-	1
HEAD, NEC	-	-	3	3	3	1	1	-	-	-	10	-	10
NECK	-	-	-	-	-	1	1	-	-	-	5	-	5
UPPER ARM	-	-	6	6	6	1	1	-	-	-	76	-	76
ELBOW	-	-	2	2	2	1	1	-	-	-	56	-	56
FOREARM	-	-	7	7	7	1	1	-	-	-	101	-	101
WRIST	-	-	4	4	4	1	1	-	-	-	20	-	20
HAND	-	-	4	4	4	1	1	-	-	-	189	-	189
FINGER(S)	-	-	3	3	3	1	1	-	-	-	9	-	9
UPPER EXTREMITIES, NEC	-	-	58	58	58	27	27	-	-	-	1,942	-	1,942
ARM	-	-	13	13	13	8	8	-	-	-	176	-	176
Wrist	-	-	1	1	1	1	1	-	-	-	70	-	70
Chest	-	-	17	17	17	12	12	-	-	-	789	-	789
PELVIC REGION	-	-	9	9	9	5	5	-	-	-	315	-	315
SHOULDER(S)	-	-	50	50	50	23	23	-	-	-	38	-	38
TRUNK, NEC	-	-	6	6	6	1	1	-	-	-	1,250	-	1,250
THIGH	-	-	13	13	13	13	13	-	-	-	219	-	219
KNEE	-	-	18	18	18	7	7	-	-	-	566	-	566
LOWER LEG	-	-	22	22	22	10	10	-	-	-	326	-	326
ANKLE	-	-	1	1	1	1	1	-	-	-	36	-	36
FOOT	-	-	2	2	2	1	1	-	-	-	542	-	542
TOE(S)	-	-	-	-	-	-	-	-	-	-	61	-	61
LOWER EXTREMITIES, NEC	-	-	286	286	286	143	143	-	-	-	7,423	-	7,423
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	50	-	50
TOTAL OR AVERAGE	-	-	-	-	-	431	431	-	-	-	7,523	-	7,523
STEPPING OR KNEELING ON OBJECT:													
BACK	-	-	1	1	1	1	1	-	-	-	23	-	23
KNEE	-	-	5	5	5	1	1	-	-	-	167	-	167
LOWER LEG	-	-	16	16	16	4	4	-	-	-	155	-	155
ANKLE	-	-	3	3	3	3	3	-	-	-	181	-	181
FOOT	-	-	-	-	-	-	-	-	-	-	546	-	546
TOTAL OR AVERAGE	-	-	-	-	-	37	37	-	-	-	546	-	546
STRIKING OR BUMPING:													
EYE	-	-	1	1	1	1	1	-	-	-	5	-	5
HEAD, NEC	-	-	1	1	1	1	1	-	-	-	4	-	4
NECK	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	2	2	2	1	1	-	-	-	3	-	3
SHOULDER(S)	-	-	1	1	1	1	1	-	-	-	22	-	22
KNEE	-	-	1	1	1	1	1	-	-	-	1	-	1
FOOT	-	-	1	1	1	1	1	-	-	-	4	-	4
LOWER EXTREMITIES, NEC	-	-	8	8	8	8	8	-	-	-	39	-	39
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	16	16	-	-	-	39	-	39

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NOL	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL	TOTAL				
OTHER INJURIES:														
EYE-----	-	-	12	12	12	40	28	-	-	-	18	-	18	2
HEAD, NEC-----	-	-	-	-	-	1	3	-	-	-	-	-	-	-
FINGER(S)-----	-	-	-	-	-	3	1	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC-----	-	-	9	9	9	10	1	-	-	-	3	-	3	3
BACK-----	-	-	9	9	9	1	1	-	-	-	265	-	265	29
CHEST-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PELVIC REGION-----	-	-	1	1	1	1	1	-	-	-	30	-	30	30
SHOULDER(S)-----	-	-	6	6	6	8	2	-	-	-	93	-	93	16
KNEE-----	-	-	1	1	1	1	-	-	-	-	8	-	8	8
ANKLE-----	-	-	1	1	1	1	1	-	-	-	11	-	11	11
FOOT-----	-	-	2	2	2	2	6	-	-	-	7	-	7	4
TOE(S)-----	-	-	5	5	5	11	1	-	-	-	30	-	30	6
LOWER EXTREMITIES, NEC-----	-	-	38	38	38	82	44	-	-	-	465	-	465	12
BODY SYSTEMS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	1,242	1,270	1,274	2,376	1,102	24,000	6,655	25,791	32,446	238	21	44
OTHER INJURIES:														
EYE-----	-	-	1	1	1	14	13	-	-	-	2	-	2	2
HEAD, NEC-----	-	-	62	62	62	200	138	-	-	-	136	-	136	2
FINGER(S)-----	-	-	1	1	1	5	4	-	-	-	1	-	1	1
UPPER EXTREMITIES, NEC-----	-	-	1	1	1	26	3	-	-	-	2	-	2	2
BACK-----	-	-	6	6	6	9	3	-	-	-	79	-	79	13
CHEST-----	-	-	9	9	9	19	10	-	-	-	10	-	10	3
PELVIC REGION-----	-	-	11	11	11	36	25	-	-	-	47	-	47	5
SHOULDER(S)-----	-	-	20	20	20	45	25	-	-	-	217	-	217	20
KNEE-----	-	-	3	3	3	6	3	-	-	-	185	-	185	11
ANKLE-----	-	-	23	23	23	48	25	-	-	-	392	-	392	62
FOOT-----	-	-	17	17	17	45	28	-	-	-	365	-	365	17
TOE(S)-----	-	-	30	30	30	58	35	-	-	-	541	-	541	21
LOWER EXTREMITIES, NEC-----	-	-	38	38	38	123	85	-	-	-	626	-	626	18
BODY SYSTEMS-----	-	-	106	119	119	370	251	-	-	-	4,703	-	4,703	16
TOTAL OR AVERAGE-----	-	-	1,242	1,270	1,274	2,376	1,102	24,000	6,655	25,791	32,446	238	21	44
OTHER INJURIES:														
EYE-----	-	-	1	1	1	14	13	-	-	-	2	-	2	2
HEAD, NEC-----	-	-	62	62	62	200	138	-	-	-	136	-	136	2
FINGER(S)-----	-	-	1	1	1	5	4	-	-	-	1	-	1	1
UPPER EXTREMITIES, NEC-----	-	-	1	1	1	26	3	-	-	-	2	-	2	2
BACK-----	-	-	6	6	6	9	3	-	-	-	79	-	79	13
CHEST-----	-	-	9	9	9	19	10	-	-	-	10	-	10	3
PELVIC REGION-----	-	-	11	11	11	36	25	-	-	-	47	-	47	5
SHOULDER(S)-----	-	-	20	20	20	45	25	-	-	-	217	-	217	20
KNEE-----	-	-	3	3	3	6	3	-	-	-	185	-	185	11
ANKLE-----	-	-	23	23	23	48	25	-	-	-	392	-	392	62
FOOT-----	-	-	17	17	17	45	28	-	-	-	365	-	365	17
TOE(S)-----	-	-	30	30	30	58	35	-	-	-	541	-	541	21
LOWER EXTREMITIES, NEC-----	-	-	38	38	38	123	85	-	-	-	626	-	626	18
BODY SYSTEMS-----	-	-	106	119	119	370	251	-	-	-	4,703	-	4,703	16
TOTAL OR AVERAGE-----	-	-	1,242	1,270	1,274	2,376	1,102	24,000	6,655	25,791	32,446	238	21	44

TABLE 20. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL					TOTAL NFDL	TEMPO- RARY					
-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	
ASPHYXIATION/CHOKING-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1
BURN/SCALD (NOT CHEM.)-----	-	-	-	-	-	3	-	-	-	-	-	-	-	-	1
CHEMICAL BURN-----	-	-	-	-	-	5	-	-	-	-	-	-	-	-	1
ELECTRIC SHOCK-----	1	-	-	-	-	6	6,000	-	-	-	6,067	-	-	-	2,022
ELECT. BURN (CONTACT)-----	-	-	-	-	-	4	-	-	-	-	108	-	-	-	36
RADIATION/ULTRA VIOLET-----	-	-	-	-	-	1	-	-	-	-	6	-	-	-	3
OTHER INJURY, NEC-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	1	-	-	8	9	23	6,000	-	182	182	6,182	-	23	-	687
EXPLODING VESSEL UNDER PRESSURE-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CHEMICAL BURN-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE-----	-	-	-	-	-	2	6,000	-	-	-	30	-	-	-	30
MULTIPLE INJURIES-----	1	-	-	-	-	6	6,000	-	-	-	7	-	-	-	7
TOTAL OR AVERAGE-----	1	-	-	3	4	6	6,000	-	42	42	6,042	-	14	-	1,510
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
DUST IN EYE-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
FRACTURE-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
MULTIPLE INJURIES-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	3	3	5	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR HIGHWALL-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
FRACTURE-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
MULTIPLE INJURIES-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	6	7	9	6,000	-	193	193	6,193	-	32	-	885
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	1	-	-	2	3	3	6,000	-	3	3	6,003	-	2	-	2,001
CONTUSION OR BRUISE-----	-	-	-	1	1	2	-	-	11	11	11	-	11	-	11
CUT OR PUNCTURE-----	-	-	-	2	2	2	-	-	152	152	152	-	76	-	76
FRACTURE-----	-	-	-	1	1	2	-	-	27	27	27	-	27	-	27
MULTIPLE INJURIES-----	-	-	-	6	7	9	6,000	-	193	193	6,193	-	32	-	885
TOTAL OR AVERAGE-----	1	-	-	6	7	9	6,000	-	193	193	6,193	-	32	-	885
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE-----	-	-	-	-	-	2	-	-	24	24	24	-	12	-	12
CUT OR PUNCTURE-----	-	-	-	-	-	1	-	-	112	112	112	-	112	-	112
FRACTURE-----	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
SCRAATCH/ABRASION-----	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN-----	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
MULTIPLE INJURIES-----	1	-	-	6	8	10	6,000	-	600	600	6,600	-	600	-	833
OTHER INJURY, NEC-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	1	-	-	13	15	24	6,000	-	230	230	6,830	-	600	-	455

TABLE 20 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NFDL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL	PARTIAL						
FIRE: ASPHYXIATION/SUFFOCATING BURN/SCALD (NOT CHEM.) POISONING (SYSTEMIC) TOTAL OR AVERAGE	- - - -	- 4 4 4	- 4 4 4	- 4 4 4	1 5 1 7	1 1 1 3	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	33 - - 33	- - - 33	
HANDLING MATERIAL: AMPUTATION/PROSTHESIS BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONCUSSION (CEREBRAL) CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS DISLOCATION DUST IN EYE FRACTURE HERNIA (NOT DISC) POISONING (SYSTEMIC) SCRATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - - - - - - - - - - -	- 3 6 9 9 26 26 26 1 7 19 2 3 333 19 4 16 471	- 6 9 9 26 26 26 1 7 19 2 3 334 19 4 16 484	- 3 6 9 9 26 26 26 1 7 19 11 3 334 19 4 16 484	2 15 25 1 78 144 7 3 17 41 11 1 8 461 44 10 27 896	- 9 16 1 52 118 7 2 2 10 22 11 1 5 127 25 6 11 412	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - -	132 - - 132	950 208 89 - 308 311 33 13 723 456 8 6,817 526 184 370 11,035	317 35 10 - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - -
HAND TOOL: BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONCUSSION OR BRUISE CUT OR PUNCTURE DERMATITIS DISLOCATION DUST IN EYE FRACTURE HERNIA (NOT DISC) SCRATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - - - - - - - -	- 1 18 21 - - 4 16 - - 50 12 2 4 128	- 1 18 21 - - 4 16 - - 50 12 2 4 129	- 1 18 21 - - 4 16 - - 50 12 2 4 129	2 2 41 117 1 1 12 34 1 2 73 24 7 319	1 2 23 96 1 8 18 1 2 23 12 3 190	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	38 - 6 7 - - 1 30 - 22 18 89 18 19	38 - 6 7 - - 4 488 50 - 1,115 216 178 70 2,372	38 - 6 7 - - 1 30 - 1,115 216 178 70 2,422

TABLE 20. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPORARY						TOTAL	PARTIAL	TOTAL NFDL			
			TOTAL	PARTIAL										
NONPOWDERED HAULAGE: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - -	- - - 4 - 1 -	2 - 1 4 1 1 8	2 1 1 1 1 6	4 1 1 5 1 2 14	- - - - - -	- - - - - -	- - - - - -	10 2 33 13 58	- - - - - -	5 2 8 13 7	5 - - - - -		
POWDERED HAULAGE: AMPUTATION/ENGULFMENT----- CHEMICAL BURN----- CONCUSSION (CEREBRAL)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DUST IN EYE----- FRACTURE----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - - - - -	3 - 1 20 15 2 15 2 35 15 1 - 4	3 - 1 20 15 2 15 2 35 16 9 118	3 1 23 15 2 2 10 8	3 1 43 30 3 17 3 56 26 3 17 203	- - - - - - - - - - - - -	- - - - - - - - - - - - -	810 - - 188 238 8 787 92 1,079 2,288 1,800 - - 2,610	810 - 12 188 238 8 787 92 1,079 2,288 1,800 - - 5,648	270 - - - - - - - - - - - -	- 12 9 16 4 52 46 31 143 - - 27	5 - - - - - - - - - - - -		
HOLDING: FRACTURE----- STRAIN/SPRAIN----- TOTAL OR AVERAGE-----	- - -	- - -	1 - 1	1 1 1	1 1 2	- - -	- - -	- - -	5 - 5	- - 5	- - -	5 - 5	- - -	
IGNITION OR EXPLOSION OF GAS OR DUST: BURN/SCALD (NOT CHEM.)----- TOTAL OR AVERAGE-----	- -	- -	3 3	3 3	5 5	- -	- -	- -	35 35	- -	- -	12 12	- -	

TABLE 20. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY								
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY						
		PERMANENT	PARTIAL	TOTAL				PERMANENT	PARTIAL	TOTAL									
STRIKING OR BUMPING: CONTUSION OR BRUISE CUT OR PUNCTURE STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	2 2 3 2 - 8 -	3 4 6 2 1 16 -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	3 1 11 24 - 39 -	- - - - - - -	2 1 4 12 - 5 -						
OTHER INJURIES: CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS DISLOCATION DUST IN EYE POISONING (SYSTEMIC) SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	- 3 - - 7 5 2 18 - 38 -	1 4 1 1 19 6 4 2 2 - 44 -	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	- 4 - - 11 30 3 361 - 11 45 455 -	- - - - - - - - - - - -	- 1 - - 2 6 2 20 - 11 22 12 -						
AMPUTATION/AVULSION ASPHYXIATION/DROWNING BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONCUSSION (CEREBRAL) CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS DISLOCATION DUST IN EYE ELECTRIC SHOCK ELECT. BURN (CONTACT) FRACTURE HERNIA (NOT DISC) POISONING (SYSTEMIC) RADIATION/ULTRA VIOLET SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- -	13 -	- -	- - - - - - - - - - - - - - - - - - - -	13 - 22 9 2 131 103 - 6 22 2 3 104 13 6 8 12 651 94 13 52 -	13 2 38 29 3 285 421 10 12 76 5 6 54 13 8 13 20 913 72 16 40 2,376 -	- -	2,755 -	- - - - - - - - - - - - - - - - - - -	2,755 - 440 89 16 1,532 1,006 - 275 39 67 108 4,809 556 15 117 14,277 2,020 584 1,119 32,446 -	212 - - - - - - - - - - - - 50 - - 900 817 - - 238 -	- - 20 10 8 12 10 - 46 2 34 36 46 23 5 2 10 21 166 45 22 44 -							

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING, SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
UNDERGROUND MINES:								
UNDERGROUND:								
SALT:								
NEW YORK	1	-	-	-	-	-	-	1
TOTAL	1	-	-	-	-	-	-	1
SODIUM COMPOUNDS:								
WYOMING	7	-	-	-	-	-	-	7
TOTAL	7	-	-	-	-	-	-	7
TALC-SERPENTINE:								
NEW YORK	-	1	-	-	-	2	-	3
TOTAL	-	1	-	-	-	2	-	3
SURFACE AT LG:								
GYPSUM:								
NEW YORK	1	-	-	-	-	-	-	1
TOTAL	1	-	-	-	-	-	-	1
PHOSPHATE:								
MONTANA	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
TOTAL UNDERGROUND:								
GYPSUM:								
NEW YORK	1	-	-	-	-	-	-	1
TOTAL	1	-	-	-	-	-	-	1
PHOSPHATE:								
MONTANA	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
SALT:								
NEW YORK	1	-	-	-	-	-	-	1
TOTAL	1	-	-	-	-	-	-	1
SODIUM COMPOUNDS:								
WYOMING	7	-	-	-	-	-	-	7
TOTAL	7	-	-	-	-	-	-	7

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING-SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
TOTAL UNDERGROUND-CONT:								
TALC-SOAPSTONE:								
NEW YORK-----	-	1	-	-	-	2	-	3
TOTAL-----	-	1	-	-	-	2	-	3
SURFACE MINES:								
STRIP:								
BARITE:								
GEORGIA-----	1	-	-	-	-	-	-	1
TOTAL-----	1	-	-	-	-	-	-	1
GIPSUM:								
TEXAS-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
PERLITE:								
NEW MEXICO-----	-	1	-	-	-	-	-	1
TOTAL-----	-	1	-	-	-	-	-	1
PHOSPHATE:								
FLORIDA-----	2	-	-	-	-	3	-	5
TOTAL-----	2	-	-	-	-	3	-	5
TALC-SOAPSTONE:								
MONTANA-----	-	-	-	-	-	2	-	2
TOTAL-----	-	-	-	-	-	2	-	2
OTHER NONMETAL, NEC:								
CALIFORNIA-----	1	-	-	-	-	-	-	1
TOTAL-----	1	-	-	-	-	-	-	1
DREDGE:								
PHOSPHATE:								
NORTH CAROLINA-----	-	-	-	-	1	-	-	1
TOTAL-----	-	-	-	-	1	-	-	1
TOTAL SURFACE:								
BARITE:								
GEORGIA-----	1	-	-	-	-	-	-	1
TOTAL-----	1	-	-	-	-	-	-	1

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING-SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
TOTAL SURFACE-CONT:								
GYPSUM:								
TEXAS	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
PERLITE:								
NEW MEXICO	-	1	-	-	-	-	-	1
TOTAL	-	1	-	-	-	-	-	1
PHOSPHATE:								
FLORIDA	2	-	-	-	1	3	-	5
NORTH CAROLINA	-	-	-	-	-	-	-	1
TOTAL	2	-	-	-	1	3	-	6
TALC-SOAPSTONE:								
MONTANA	-	-	-	-	-	2	-	2
TOTAL	-	-	-	-	-	2	-	2
OTHER NONMETAL, NEC:								
CALIFORNIA	1	-	-	-	-	-	-	1
TOTAL	1	-	-	-	-	-	-	1
TOTAL MINING:								
BARITE:								
GEORGIA	1	-	-	-	-	-	-	1
TOTAL	1	-	-	-	-	-	-	1
GYPSUM:								
NEW YORK	1	-	-	-	-	1	-	1
TEXAS	-	-	-	-	-	1	-	1
TOTAL	1	-	-	-	-	1	-	2
PERLITE:								
NEW MEXICO	-	1	-	-	-	-	-	1
TOTAL	-	1	-	-	-	-	-	1
PHOSPHATE:								
FLORIDA	2	-	-	-	-	3	-	5
MONTANA	-	-	-	-	-	1	-	1
NORTH CAROLINA	-	-	-	-	-	-	-	1
TOTAL	2	-	-	-	-	4	-	7

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING-SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTRAUMATIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
TOTAL MINING CONT:								
SALT:								
NEW YORK	1	-	-	-	-	-	-	1
TOTAL	1	-	-	-	-	-	-	1
SODIUM COMPOUNDS:								
WYOMING	7	-	-	-	-	-	-	7
TOTAL	7	-	-	-	-	-	-	7
TALC-SOAPSTONE:								
MONTANA	-	1	-	-	-	2	-	2
NEW YORK	-	1	-	-	-	2	-	3
TOTAL	-	1	-	-	-	4	-	5
OTHER NONMETAL, NEC:								
CALIFORNIA	1	-	-	-	-	-	-	1
TOTAL	1	-	-	-	-	-	-	1
PROCESSING PLANTS:								
BARITE:								
GEORGIA	3	-	-	-	-	1	-	4
TOTAL	3	-	-	-	-	1	-	4
CLAY:								
GEORGIA	2	-	-	-	1	1	-	3
WYOMING	-	-	-	-	1	1	-	1
TOTAL	2	-	-	-	1	1	-	4
FELDSPAR:								
NORTH CAROLINA	-	-	-	-	1	-	-	1
TOTAL	-	-	-	-	1	-	-	1
MICA:								
GEORGIA	-	-	-	-	1	-	-	1
TOTAL	-	-	-	-	1	-	-	1
PHOSPHATE:								
FLORIDA	-	-	-	-	-	4	-	4
TOTAL	-	-	-	-	-	4	-	4

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1983 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING-SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTRAUMATIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
PROCESSING PLANTS-CONT:								
SALT:								
KANSAS	-	-	-	1	-	1	-	1
LOUISIANA	-	-	-	1	-	1	-	1
TOTAL	-	-	-	1	-	1	-	2
TALC-SOAPSTONE:								
MONTANA	-	-	-	-	-	4	-	4
NORTH CAROLINA	1	1	-	-	-	-	-	1
TEXAS	-	-	-	-	-	-	-	-
TOTAL	1	1	-	-	-	4	-	6
OTHER NONMETAL, NEC:								
CALIFORNIA	1	-	-	-	-	1	-	2
OREGON	-	1	-	-	-	1	-	2
WASHINGTON	-	-	-	-	-	-	-	-
TOTAL	1	1	-	-	-	2	-	4
TOTAL MINES AND PLANTS:								
BARITE:								
GEORGIA	4	-	-	-	-	1	-	5
TOTAL	4	-	-	-	-	1	-	5
CLAY:								
GEORGIA	2	-	-	-	1	1	-	4
WYOMING	-	-	-	-	-	-	-	-
TOTAL	2	-	-	-	1	1	-	4
FELDSPAR:								
NORTH CAROLINA	-	-	-	-	1	-	-	1
TOTAL	-	-	-	-	1	-	-	1
GYPSUM:								
NEW YORK	1	-	-	-	-	1	-	2
TEXAS	-	-	-	-	-	-	-	-
TOTAL	1	-	-	-	-	1	-	2
MICA:								
GEORGIA	-	-	-	-	1	-	-	1
TOTAL	-	-	-	-	1	-	-	1

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING-SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTRAUMATIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
TOTAL MINES AND PLANTS-CONT:								
PERLITE:								
NEW MEXICO-----	-	1	-	-	-	-	-	1
TOTAL-----	-	1	-	-	-	-	-	1
PHOSPHATE:								
FLORIDA-----	2	-	-	-	-	7	-	9
MONTANA-----	-	-	-	-	1	1	-	2
NORTH CAROLINA-----	-	-	-	-	-	-	-	-
TOTAL-----	2	-	-	-	1	8	-	11
SALT:								
KANSAS-----	-	-	-	-	-	1	-	1
LOUISIANA-----	1	-	-	-	-	-	-	1
NEW YORK-----	1	-	-	-	-	-	-	2
TOTAL-----	2	-	-	-	-	1	-	3
SODIUM COMPOUNDS:								
WYOMING-----	7	-	-	-	-	-	-	7
TOTAL-----	7	-	-	-	-	-	-	7
TALC-SERPENTINE:								
MONTANA-----	-	1	-	-	-	6	-	7
NEW YORK-----	1	1	-	-	-	-	-	2
NORTH CAROLINA-----	-	1	-	-	-	-	-	1
TEXAS-----	-	-	-	-	-	-	-	-
TOTAL-----	1	2	-	-	-	6	-	9
OTHER NONMETAL, NEC:								
CALIFORNIA-----	2	-	-	-	-	-	-	2
OREGON-----	-	1	-	-	-	-	-	1
WASHINGTON-----	-	-	-	-	-	-	-	-
TOTAL-----	2	1	-	-	-	-	-	3
GRAND TOTAL:								
BARITE:								
GEORGIA-----	4	-	-	-	-	-	-	4
TOTAL-----	4	-	-	-	-	-	-	4
CLAY:								
GEORGIA-----	2	-	-	-	-	-	-	2
WYOMING-----	-	-	-	-	-	-	-	-
TOTAL-----	2	-	-	-	-	-	-	2

TABLE 21. - OCCURRENCES REPORTED TO NIOSH AS OCCUPATIONAL ILLNESSES AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING-SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTRAUMATIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
GRAND TOTAL - CONT:								
FELDSPAR:								
NORTH CAROLINA	-	-	-	-	1	-	-	1
TOTAL	-	-	-	-	1	-	-	1
GYPSUM:								
NEW YORK	1	-	-	-	-	-	-	1
TEXAS	-	-	-	-	-	1	-	1
TOTAL	1	-	-	-	-	1	-	2
MICA:								
GEORGIA	-	-	-	-	1	-	-	1
TOTAL	-	-	-	-	1	-	-	1
PERLITE:								
NEW MEXICO	-	1	-	-	-	-	-	1
TOTAL	-	1	-	-	-	-	-	1
PHOSPHATE:								
FLORIDA	2	-	-	-	-	7	-	9
MONTANA	-	-	-	-	1	1	-	1
NORTH CAROLINA	-	-	-	-	1	8	-	11
TOTAL	2	-	-	-	1	8	-	11
SALT:								
KANSAS	-	-	-	-	-	1	-	1
LOUISIANA	1	-	-	1	-	-	-	1
NEW YORK	1	-	-	-	-	-	-	1
TOTAL	1	-	-	1	-	1	-	3
SODIUM COMPOUNDS:								
HYDROX	7	-	-	-	-	-	-	7
TOTAL	7	-	-	-	-	-	-	7
TALC-SOAPSTONE:								
MONTANA	-	-	-	-	-	6	-	6
NEW YORK	-	1	-	-	-	2	-	3
NORTH CAROLINA	1	1	-	-	-	-	-	1
TEXAS	-	1	-	-	-	-	-	1
TOTAL	1	2	-	-	-	8	-	11

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING-SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
GRAND TOTAL-CONT:								
OTHER NONMETAL, NEC:								
CALIFORNIA	2	-	-	-	-	1	-	3
OREGON	-	1	-	-	-	1	-	1
WASHINGTON	-	-	-	-	-	-	-	-
TOTAL	2	1	-	-	-	2	-	5
TOTAL OR AVERAGE	20	4	-	1	4	22	-	51

TABLE 22 - RELATED NONCOAL MINING SUMMARY REFERENCE TABULATION, NUMBER OF INJURIES, INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, AND EMPLOYEE-HOURS BY MINERAL INDUSTRY AND WORK LOCATION, 1989
(OPERATOR DATA)

WORK LOCATION AND MINERAL INDUSTRY	FATAL	FATAL INCIDENCE RATE	NFOL	NFOL INCIDENCE RATE	NOL	NOL INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED
UNDERGROUND MINES:										
METAL	8	.09	727	7.76	577	6.16	1,312	14.01	9,923	18,735,718
NONMETAL	2	.04	220	4.90	211	4.70	433	9.65	4,417	8,972,635
STONE	-	-	136	7.05	73	3.78	209	10.83	2,019	3,860,371
TOTAL, UNDERGROUND MINES	10	.06	1,083	6.86	861	5.45	1,954	12.38	16,359	31,568,724
SURFACE MINES:										
METAL	1	.01	695	4.22	544	3.30	1,240	7.53	16,404	32,946,617
NONMETAL	1	.02	241	3.62	158	2.38	400	6.01	7,192	13,303,931
STONE	18	.06	1,561	5.36	1,115	3.83	2,694	9.24	29,912	58,281,232
SUBTOTAL, SURFACE MINES	20	.04	2,497	4.78	1,817	3.48	4,334	8.29	53,508	104,531,780
SAND AND GRAVEL	3	.01	2,491	4.95	996	3.30	2,490	8.26	35,600	60,288,279
TOTAL, SURFACE MINES	23	.03	3,988	4.84	2,813	3.41	6,824	8.28	89,108	164,820,059
TOTAL, MINES	33	.03	5,071	5.16	3,674	3.74	8,778	8.94	105,467	196,388,783
MILLS:										
METAL	2	.01	892	4.41	903	4.46	1,797	8.88	20,460	40,484,259
NONMETAL	1	.01	805	4.51	723	4.05	1,529	8.56	17,238	35,732,634
STONE	1	(*)	2,060	5.53	1,746	4.69	3,807	10.22	35,658	74,528,335
TOTAL, MILLS	4	.01	3,757	4.98	3,372	4.47	7,133	9.46	73,356	150,745,228
INDEPENDENT SHOPS AND YARDS:										
METAL	-	-	15	3.97	12	3.18	27	7.15	365	754,830
NONMETAL	-	-	6	-	11	22.02	1	22.02	5	9,083
STONE	-	-	21	2.48	11	4.55	17	7.04	229	483,244
TOTAL, SHOPS AND YARDS	-	-	42	3.37	24	3.85	45	7.22	599	1,247,157
ALL MINES, MILLS AND SHOPS:										
METAL	11	.02	2,329	5.01	2,036	4.38	4,376	9.42	47,152	92,921,424
NONMETAL	4	.01	1,266	4.36	1,093	3.77	2,363	8.15	28,852	58,018,283
STONE	19	.03	3,763	5.49	2,945	4.23	6,727	9.81	67,813	137,153,182
SUBTOTAL	34	.02	7,358	5.11	6,074	4.22	13,466	9.35	143,822	288,092,889
SAND AND GRAVEL	3	.01	1,491	4.95	996	3.30	2,490	8.26	35,600	60,288,275
TOTAL, MINES/MILLS/SHOPS	37	.02	8,849	5.08	7,070	4.06	15,956	9.16	179,422	348,381,168
OFFICEWORKERS:										
METAL	-	-	11	.19	10	.17	21	.36	6,123	11,712,040
NONMETAL	-	-	4	.09	9	.21	13	.30	4,678	8,773,429
STONE	-	-	13	.12	15	.14	28	.27	10,963	21,074,826
SAND AND GRAVEL	-	-	9	.18	6	.12	15	.30	7,145	9,952,315
TOTAL, OFFICEWORKERS	-	-	37	.14	40	.16	77	.30	28,909	51,512,610
SUMMARY TOTAL (INCLUDES OFFICEWORKERS):										
METAL	11	.02	2,340	4.47	2,046	3.91	4,397	8.40	53,275	104,633,464
NONMETAL	4	.01	1,276	3.80	1,102	3.30	2,376	7.11	33,530	66,791,712
STONE	19	.02	3,776	4.77	2,960	3.74	6,755	8.54	78,781	158,228,008
SUBTOTAL	34	.02	7,386	4.48	6,108	3.71	13,528	8.21	165,586	329,653,184
SAND AND GRAVEL	3	.01	1,500	4.27	1,002	2.85	2,505	7.13	42,745	70,240,594
GRAND TOTAL	37	.02	8,886	4.44	7,110	3.56	16,033	8.02	208,331	399,893,778

TABLE 23 - RELATED COAL MINING SUMMARY/ REFERENCE TABULATION, NUMBER OF INJURIES, INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE-HOURS AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION, 1989 (OPERATOR DATA)

TYPE OF COAL AND WORK LOCATION	FATAL	FATAL INCIDENCE RATE	NFOL	NFOL INCIDENCE RATE	NOL	NOL INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED	PRODUCTION REPORTED (SHORT TONS)
BITUMINOUS COAL:											
UNDERGROUND MINES:	42	.07	8,457	13.12	2,123	3.29	10,622	16.48	67,981	28,914,189	386,951,135
SURFACE MINES:	1	.02	542	8.16	218	3.28	761	11.45	7,503	13,287,809	386,951,135
TOTAL, UNDERGROUND MINES:	43	.06	8,999	12.66	2,341	3.29	11,383	16.01	75,484	142,201,998	
SURFACE MINES:											
STRIP MINES:	14	.03	1,596	3.59	1,009	2.27	2,619	5.89	43,905	88,888,078	573,888,448
AUGER MINES:	-	-	20	5.76	15	4.32	35	10.08	599	594,616	3,704,348
OTHER SURFACE MINES:	-	-	7	3.13	5	2.24	12	5.37	323	447,338	945,467
TOTAL, SURFACE MINES:	14	.03	1,623	3.61	1,029	2.29	2,666	5.92	44,927	90,030,032	578,538,263
TOTAL, PRODUCTION MINING:	57	.05	10,622	9.15	3,370	2.90	14,049	12.10	120,411	232,232,030	965,489,398
PREPARATION PLANTS:	4	.03	786	5.35	364	2.48	1,154	7.85	14,191	29,408,142	-
INDEPENDENT SHOPS/YARDS:	-	-	48	5.31	32	3.54	80	8.86	1,006	1,806,627	-
TOTAL, OTHER OPERATIONS:	4	.03	834	5.34	396	2.54	1,234	7.91	15,197	31,214,769	-
TOTAL, BITUMINOUS MINING:	61	.05	11,456	8.70	3,766	2.86	15,283	11.60	135,608	263,446,799	965,489,398
PENNSYLVANIA ANTHRACITE COAL:											
UNDERGROUND MINES:	-	-	22	9.93	6	2.71	28	12.64	330	442,919	486,599
SURFACE MINES:	1	1.43	1	1.43	1	1.43	3	4.29	108	139,985	486,599
TOTAL, UNDERGROUND MINES:	1	.34	23	7.85	7	2.40	31	10.64	438	582,904	
SURFACE MINES:											
STRIP MINES:	-	-	52	8.87	24	4.09	76	12.97	724	1,172,247	1,835,253
CULM BANK:	-	-	8	6.40	2	1.60	10	8.00	154	250,117	738,088
DREDGE:	-	-	-	-	-	-	-	-	7	5,615	2,150
TOTAL, SURFACE MINES:	-	-	60	8.40	26	3.64	86	12.04	885	1,427,979	2,575,491
TOTAL, PRODUCTION MINING:	1	.10	83	8.25	33	3.28	117	11.64	1,323	2,010,883	3,062,050
PREPARATION PLANTS:	-	-	95	14.42	27	4.10	122	18.52	1,317	1,317,535	-
INDEPENDENT SHOPS/YARDS:	-	-	95	13.70	27	3.89	122	17.59	799	1,387,003	-
TOTAL, OTHER OPERATIONS:	-	-	-	-	-	-	-	-	-	-	-
TOTAL, ANTHRACITE MINING:	1	.06	178	10.48	60	3.53	239	14.57	2,122	3,397,886	3,062,050
ALL COAL:											
UNDERGROUND MINES:	42	.06	8,479	13.11	2,129	3.29	10,650	16.47	68,311	129,357,108	387,437,734
SURFACE MINES:	2	.03	543	8.09	219	3.26	764	11.38	7,611	13,427,794	387,437,734
TOTAL, UNDERGROUND MINES:	44	.06	9,022	12.64	2,348	3.29	11,414	15.99	75,922	142,784,902	
SURFACE MINES:											
STRIP MINES:	14	.03	1,648	3.66	1,033	2.29	2,695	5.98	44,629	90,060,325	575,723,701
AUGER MINES:	-	-	20	5.76	15	4.32	35	10.08	599	594,616	3,704,348
CULM BANK:	-	-	15	5.44	6	2.17	21	7.61	376	551,763	1,409,437
DREDGE:	-	-	-	-	-	-	-	-	108	151,307	276,268
TOTAL, SURFACE MINES:	14	.03	1,683	3.68	1,055	2.31	2,752	6.02	45,812	91,458,011	581,113,754
TOTAL, PRODUCTION MINING:	58	.05	10,705	9.14	3,403	2.91	14,166	12.10	121,734	234,242,913	968,551,488
PREPARATION PLANTS:	4	.03	881	5.73	391	2.55	1,276	8.31	14,953	30,725,677	-
INDEPENDENT SHOPS/YARDS:	-	-	48	5.12	32	3.41	80	8.53	1,043	1,876,095	-
TOTAL, OTHER OPERATIONS:	4	.02	929	5.70	423	2.59	1,356	8.32	15,996	32,601,772	-
TOTAL, ALL COAL:	62	.05	11,634	8.72	3,825	2.87	15,522	11.63	137,730	266,844,685	968,551,488
OFFICERWORKERS:											
BITUMINOUS:	-	-	25	.36	16	.23	41	.59	7,562	13,860,127	-
ANTHRACITE:	-	-	-	.36	16	.23	41	.58	1,115	13,172,328	-
TOTAL, OFFICERWORKERS:	-	-	25	.36	16	.23	41	.58	7,677	14,032,455	-
GRAND TOTAL:	62	.04	11,659	8.30	3,842	2.74	15,563	11.08	145,407	280,877,140	968,551,488

C O N T R A C T O R D A T A

TABLE REFERENCE GUIDE (CONTRACTOR DATA)

The following reference guide facilitates locating particular data elements contained in the annual statistical tables for contractors. The number appearing in each cell indicates the table number in which that particular element may be found. All elements listed under the stub headings appear as vertical headings in the tables. Elements listed under column headings appear as horizontal headings. The only exception to this is table 1, in which the headings have been reversed.

To use this guide, read down or across the elements listed in both the stub and column headings to determine which combinations are of interest. For example, lost workdays by work location appear in eight different tables, numbers 3, 7, 9, 11, 14, 16, 17, and 18. However, only one of these, table 11, provides a further division by nature of injury as well. The occupation of the injured is found in table 17 and, as seen in the column headings, provides the number of injuries, lost workdays, and average severity.

Although injuries and illnesses occurring to contractor employees are identifiable as to State in which they occurred or commodity mined, matching exposure hours are not available. Incidence rates for such employees are possible only at the national level for the various subunits and only for the coal industry as a whole and the noncoal industry as a whole. Consequently, certain tables have been entirely eliminated from the contractor portion of this report. The remaining tables are numbered to correspond with the comparable table in the operator portion of this report.

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REFERENCE GUIDE TO NONMETALLIC STATISTICAL TABLES (CONTRACTOR DATA)

STUB HEADINGS	COLUMN HEADINGS								
	Number of injuries	Incidence rates *	Lost workdays	Average severity	Average number of workers *	Employee-hours worked *	Accident classification	Number of occupational illnesses	Coal production (short tons)
Prior year data with and without office 1/	1			1					
Work location	3		3	3					
	7		7	7					
	9		9	9					
	11		11	11					
	13						13		
			14				14		
	15						15		
			16				16		
	17		17	17					
	18		18	18					
	22	22			22	22		21	
	23	23			23	23			23
Type of mineral	7		7	7					
	15						15		
			16				16		
								21	
State	7		7	7					
	13						13		
			14				14		
								21	
Part of body injured	9		9	9					
	12		12	12					
	19		19	19					
Nature of injury	11		11	11					
	12		12	12					
	20		20	20					
Occupation at time of injury	17		17	17					
Accident classification	18		18	18					
	19		19	19					
	20		20	20					
Mineral industry	22	22			22	22			
Type of coal	23	23			23	23			23

1/ For table 1 only, the headings have been reversed to simplify this guide; that is, the data elements indicated in the column headings for this table actually appear as vertical headings.

* Contractor data appearing in Table 22 for the column headings denoted with an asterisk (*) in this guide are obtainable only for the noncoal industry as a whole and do not represent a particular mineral industry.

1989

REFERENCE GUIDE TO NONMETALLIC STATISTICAL TABLES (CONTRACTOR DATA)

STUB HEADINGS	COLUMN HEADINGS								
	Number of injuries	Incidence rates *	Lost workdays	Average severity	Average number of workers *	Employee-hours worked *	Accident classification	Number of occupational illnesses	Coal production (short tons)
Prior year data with and without office 1/	1			1					
Work location	3		3	3					
	7		7	7					
	9		9	9					
	11		11	11					
	13						13		
			14				14		
	15						15		
			16				16		
	17		17	17					
	18		18	18					
	22	22			22	22		21	
	23	23			23	23			23
	7		7	7					
Type of mineral	15						15		
			16				16		
								21	
State	7		7	7					
	13						13		
			14				14		
								21	
Part of body injured	9		9	9					
	12		12	12					
	19		19	19					
Nature of injury	11		11	11					
	12		12	12					
	20		20	20					
Occupation at time of injury	17		17	17					
Accident classification	18		18	18					
	19		19	19					
	20		20	20					
Mineral industry	22	22			22	22			
Type of coal	23	23			23	23			23

1/ For table 1 only, the headings have been reversed to simplify this guide; that is, the data elements indicated in the column headings for this table actually appear as vertical headings.

* Contractor data appearing in Table 22 for the column headings denoted with an asterisk (*) in this guide are obtainable only for the noncoal industry as a whole and do not represent a particular mineral industry.

TABLE 1. - GENERAL STATISTICS ON INJURY EXPERIENCE AND WORKTIME, AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

	EXCLUDING OFFICEWORKERS					INCLUDING OFFICEWORKERS				
	1985	1986	1987	1988	1989	1985	1986	1987	1988	1989
NUMBER OF INJURIES:										
FATAL-----	1	-	2	3	3	1	-	2	3	3
NFDL-----	13	11	20	54	64	13	11	20	54	64
TOTAL LHD INJURIES-----	14	11	22	57	67	14	11	22	57	67
NOL-----	6	10	16	28	55	6	10	16	28	56
TOTAL INJURIES-----	20	21	38	85	122	20	21	38	85	123
AVERAGE SEVERITY:										
PERMANENT PARTIAL-----	725	-	50	50	250	725	-	50	50	250
TEMPORARY NFDL-----	62	15	14	38	18	62	15	14	38	18
ALL LHD INJURIES-----	581	15	560	352	293	581	15	560	352	293

TABLE 3. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL				TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT		TOTAL NFDL	TEMPO- RARY					PERMANENT		TOTAL NFDL					
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND	-	-	2	-	2	2	4	-	-	-	13	13	-	6	6	31	23
SURFACE AT UNDERGROUND	-	-	4	-	4	4	3	-	-	-	123	123	-	23	23	298	-
TOTAL OR AVERAGE	-	-	6	-	6	6	5	-	-	-	136	136	-	400	400	22	238
SURFACE MINES:																	
OPEN PIT	1	1	21	-	22	23	5	6,000	-	400	455	855	400	22	22	298	-
DREDGE	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
OTHER SURFACE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	1	21	-	22	23	8	6,000	-	400	455	855	400	22	22	298	-
TOTAL OR AVERAGE, MINING	1	1	27	-	28	29	13	6,000	-	400	591	6,991	400	22	22	241	-
INDEPENDENT SHOPS:																	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROCESSING PLANTS:																	
TOTAL OR AVERAGE	2	1	35	-	36	38	42	12,000	-	100	516	616	100	15	15	332	-
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	3	2	62	-	64	67	55	18,000	-	500	1,107	1,607	250	18	18	293	-
OFFICE:	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	3	2	62	-	64	67	56	18,000	-	500	1,107	1,607	250	18	18	293	-
GRAND TOTAL OR AVERAGE:																	
TOTAL OR AVERAGE	3	2	62	-	64	67	56	18,000	-	500	1,107	1,607	250	18	18	293	-

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL NFDL							
	TOTAL	PARTIAL					TOTAL	PARTIAL							
BARITE: SURFACE MINES: OPEN PIT: MISSOURI TOTAL OR AVERAGE	-	-	1	-	1	-	-	-	-	-	-	1	-	1	1
TOTAL OR AVERAGE, SURFACE: MISSOURI TOTAL OR AVERAGE	-	-	1	-	1	-	-	-	-	-	-	1	-	1	1
TOTAL OR AVERAGE, MINING: MISSOURI TOTAL OR AVERAGE	-	-	1	-	1	-	-	-	-	-	-	1	-	1	1
PROCESSING PLANTS: MISSOURI TOTAL OR AVERAGE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, ALL MINES AND PLANTS: MISSOURI TOTAL OR AVERAGE	-	-	1	1	1	2	-	-	-	-	-	1	-	1	1
GRAND TOTAL OR AVERAGE: MISSOURI TOTAL OR AVERAGE	-	-	1	1	1	2	-	-	-	-	-	1	-	1	1
CLAY: SURFACE MINES: OPEN PIT: GEORGIA PENNSYLVANIA SOUTH CAROLINA TOTAL OR AVERAGE	-	-	4	-	4	4	-	-	-	-	-	154	-	38	38
	-	-	-	-	-	1	6,000	-	-	-	-	-	-	-	6,000
	1	-	-	-	-	5	6,000	-	-	-	-	154	-	38	1,231

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION, AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFIL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL					
CLAY-CONTINUED:																
TOTAL OR AVERAGE, SURFACE:																
GEORGIA	-	-	4	4	4	-	4	-	-	-	-	154	-	38	38	-
PENNSYLVANIA	1	-	-	-	1	-	1	6,000	-	-	-	6,000	-	-	-	6,000
SOUTH CAROLINA	-	-	-	-	-	-	-	6,000	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	-	4	4	5	1	6	6,000	-	-	-	154	-	38	1,231	-
TOTAL OR AVERAGE, MINING:																
GEORGIA	-	-	4	4	4	-	4	-	-	-	-	154	-	38	38	-
PENNSYLVANIA	1	-	-	-	1	-	1	6,000	-	-	-	6,000	-	-	-	6,000
SOUTH CAROLINA	-	-	-	-	-	-	-	6,000	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	-	4	4	5	1	6	6,000	-	-	-	154	-	38	1,231	-
PROCESSING PLANTS:																
ALABAMA	-	-	7	7	7	17	24	-	-	-	-	38	-	6	6	-
GEORGIA	2	1	17	18	20	14	34	12,000	-	-	-	12,381	100	17	619	-
SOUTH CAROLINA	-	-	1	1	1	-	1	-	-	-	-	2	-	2	2	-
TEXAS	-	-	2	2	2	-	2	-	-	-	-	15	-	8	8	-
TOTAL OR AVERAGE	2	-	27	28	30	31	61	12,000	-	-	-	12,437	100	12	415	-
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																
ALABAMA	-	-	7	7	7	17	24	-	-	-	-	38	-	6	6	-
GEORGIA	2	1	21	22	24	14	38	12,000	-	-	-	12,535	100	21	522	-
PENNSYLVANIA	-	-	-	-	-	1	1	6,000	-	-	-	6,000	-	-	-	-
SOUTH CAROLINA	1	-	2	2	2	-	2	-	-	-	-	15	-	2	3,001	-
TEXAS	-	-	31	32	35	32	67	18,000	-	-	-	18,591	100	15	531	-
TOTAL OR AVERAGE	3	-	31	32	35	32	67	18,000	-	-	-	18,591	100	15	531	-
GRAND TOTAL OR AVERAGE:																
ALABAMA	-	-	7	7	7	17	24	-	-	-	-	38	-	6	6	-
GEORGIA	2	1	21	22	24	14	38	12,000	-	-	-	12,535	100	21	522	-
PENNSYLVANIA	-	-	-	-	-	1	1	6,000	-	-	-	6,000	-	-	-	-
SOUTH CAROLINA	1	-	2	2	2	-	2	-	-	-	-	15	-	2	3,001	-
TEXAS	-	-	31	32	35	32	67	18,000	-	-	-	18,591	100	15	531	-
TOTAL OR AVERAGE	3	-	31	32	35	32	67	18,000	-	-	-	18,591	100	15	531	-
GIPSUM:																
UNDERGROUND MINES:																
SURFACE AT UNDERGROUND:																
VIRGINIA	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL WORK LOCATION AND STATE AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL					
GPSUM-CONTINUED: TOTAL OR AVERAGE, UG: VIRGINIA	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, MINING: VIRGINIA	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, ALL MINES AND PLANTS: VIRGINIA	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
GRAND TOTAL OR AVERAGE: VIRGINIA	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
PHOSPHATE: SURFACE MINES: OPEN PIT: FLORIDA	-	15	15	15	1	16	-	-	-	290	290	-	19	400	19
IDAHO	-	1	1	1	1	2	-	-	400	10	400	400	10	10	400
NORTH CAROLINA	-	1	17	17	2	19	-	-	-	300	700	400	19	41	41
TOTAL OR AVERAGE	-	1	16	17	2	19	-	-	-	-	-	-	-	-	-
DREDGE: NORTH CAROLINA	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, SURFACE: FLORIDA	-	15	15	15	1	16	-	-	-	290	290	-	19	400	19
IDAHO	-	1	1	1	1	2	-	-	400	10	400	400	10	10	400
NORTH CAROLINA	-	1	17	17	5	22	-	-	-	300	700	400	19	41	41
TOTAL OR AVERAGE	-	1	16	17	5	22	-	-	-	-	-	-	-	-	-

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERM- NFDL PARTIAL	TEMP- PARTIAL	TOTAL FATAL AND NFDL			
		PERMANENT	TEMP- PARTIAL	TOTAL				PERMANENT	TEMP- PARTIAL	TOTAL							
-	-	15	15	15	16	1	-	-	-	290	-	400	290	400	700	400	700
-	-	1	1	1	1	1	-	-	-	400	10	400	400	400	400	400	400
-	-	1	1	1	1	1	-	-	-	400	10	400	400	400	400	400	400
-	-	1	16	17	17	5	22	-	-	400	300	700	400	700	400	700	400
TOTAL OR AVERAGE----																	
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																	
-	-	15	15	15	16	1	16	2	2	290	290	290	400	400	400	400	400
-	-	1	1	1	1	3	2	-	-	400	10	400	400	400	400	400	400
-	-	1	1	1	1	5	22	-	-	400	300	700	400	700	400	700	400
-	-	1	16	17	17	5	22	-	-	400	300	700	400	700	400	700	400
TOTAL OR AVERAGE----																	
GRAND TOTAL OR AVERAGE:																	
-	-	15	15	15	16	1	16	2	2	290	290	290	400	400	400	400	400
-	-	1	1	1	1	3	2	-	-	400	10	400	400	400	400	400	400
-	-	1	1	1	1	5	22	-	-	400	300	700	400	700	400	700	400
-	-	1	16	17	17	5	22	-	-	400	300	700	400	700	400	700	400
TOTAL OR AVERAGE----																	
POTASH:																	
UNDERGROUND MINES:																	
SURFACE AT UNDERGROUND:																	
-	-	2	2	2	2	-	2	-	-	-	73	73	-	73	36	36	36
-	-	2	2	2	2	-	2	-	-	-	73	73	-	73	36	36	36
TOTAL OR AVERAGE----																	
-	-	2	2	2	2	-	2	-	-	-	73	73	-	73	36	36	36
-	-	2	2	2	2	-	2	-	-	-	73	73	-	73	36	36	36
TOTAL OR AVERAGE----																	
-	-	2	2	2	2	-	2	-	-	-	73	73	-	73	36	36	36
-	-	2	2	2	2	-	2	-	-	-	73	73	-	73	36	36	36
TOTAL OR AVERAGE----																	
-	-	2	2	2	2	-	2	-	-	-	73	73	-	73	36	36	36
-	-	2	2	2	2	-	2	-	-	-	73	73	-	73	36	36	36
TOTAL OR AVERAGE----																	
PROCESSING PLANTS:																	
-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE----																	

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE
AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL				TOTAL	PARTIAL						
POTASH-CONTINUED: TOTAL OR AVERAGE: ALL MINES AND PLANTS: NEW MEXICO	-	-	2	2	2	3	5	-	-	73	73	-	36	36	
TOTAL OR AVERAGE	-	-	2	2	2	3	5	-	-	73	73	-	36	36	
GRAND TOTAL OR AVERAGE: NEW MEXICO	-	-	2	2	2	3	5	-	-	73	73	-	36	36	
TOTAL OR AVERAGE	-	-	2	2	2	3	5	-	-	73	73	-	36	36	
SALT: UNDERGROUND MINES: UNDERGROUND: LOUISIANA	-	-	1	1	1	2	3	-	-	1	1	-	1	1	
TOTAL OR AVERAGE	-	-	1	1	1	2	3	-	-	1	1	-	1	1	
SURFACE AT UNDERGROUND: LOUISIANA	-	-	1	1	1	1	2	-	-	40	40	-	40	40	
TOTAL OR AVERAGE	-	-	1	1	1	1	2	-	-	40	40	-	40	40	
TOTAL OR AVERAGE: UG: LOUISIANA	-	-	2	2	2	3	5	-	-	41	41	-	20	20	
TOTAL OR AVERAGE	-	-	2	2	2	3	5	-	-	41	41	-	20	20	
TOTAL OR AVERAGE: MINING: LOUISIANA	-	-	2	2	2	3	5	-	-	41	41	-	20	20	
TOTAL OR AVERAGE	-	-	2	2	2	3	5	-	-	41	41	-	20	20	
PROCESSING PLANTS: KANSAS	-	-	1	1	1	-	1	-	-	23	23	-	23	23	
TOTAL OR AVERAGE	-	-	1	1	1	-	1	-	-	23	23	-	23	23	
TOTAL OR AVERAGE: ALL MINES AND PLANTS: KANSAS	-	-	1	1	1	-	1	-	-	23	23	-	23	23	
LOUISIANA	-	-	2	2	2	3	5	-	-	41	41	-	20	20	
TOTAL OR AVERAGE	-	-	3	3	3	3	6	-	-	64	64	-	21	21	

TABLE 7. - NUMBERS OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION, AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIL			TOTAL FATAL AND NFIL	NOL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL
		PERMANENT	TEMPO- RARY	TOTAL NFIL					PERMANENT	TEMPO- RARY	TOTAL NFIL				
SALT-CONTAINED: OFFICE: KANSAS	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
GRAND TOTAL OR AVERAGE: KANSAS	-	1	1	1	2	2	-	-	-	-	23	-	23	-	23
LOUISIANA	-	2	2	2	3	5	-	-	-	-	41	-	41	-	41
TOTAL OR AVERAGE	-	3	3	3	4	7	-	-	-	-	64	-	64	-	64
SHALE: PROCESSING PLANTS: TEXAS	-	2	2	2	-	2	-	-	-	-	97	-	97	-	97
TOTAL OR AVERAGE	-	2	2	2	-	2	-	-	-	-	97	-	97	-	97
TOTAL OR AVERAGE: ALL MINES AND PLANTS: TEXAS	-	2	2	2	-	2	-	-	-	-	97	-	97	-	97
TOTAL OR AVERAGE	-	2	2	2	-	2	-	-	-	-	97	-	97	-	97
GRAND TOTAL OR AVERAGE: TEXAS	-	2	2	2	-	2	-	-	-	-	97	-	97	-	97
TOTAL OR AVERAGE	-	2	2	2	-	2	-	-	-	-	97	-	97	-	97
SODIUM COMPOUNDS: UNDERGROUND MINES: UNDERGROUND: WYOMING	-	1	1	1	-	1	-	-	-	-	12	-	12	-	12
TOTAL OR AVERAGE	-	1	1	1	-	1	-	-	-	-	12	-	12	-	12
SURFACE AT UNDERGROUND: WYOMING	-	1	1	1	1	2	-	-	-	-	10	-	10	-	10
TOTAL OR AVERAGE	-	1	1	1	1	2	-	-	-	-	10	-	10	-	10
TOTAL OR AVERAGE: UG: WYOMING	-	2	2	2	1	3	-	-	-	-	22	-	22	-	22
TOTAL OR AVERAGE	-	2	2	2	1	3	-	-	-	-	22	-	22	-	22

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR MINERAL WORK LOCATION, AND STATE, AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1993 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFDL	PERMANENT	PARTIAL					
SODIUM COMPOUNDS-CONTINUED: TOTAL OR AVERAGE, MINING: WYOMING-----	-	-	2	2	2	1	3	-	-	-	22	22	-	11	11	-
TOTAL OR AVERAGE-----	-	-	2	2	2	1	3	-	-	-	22	22	-	11	11	-
PROCESSING PLANTS: WYOMING-----	-	-	1	1	1	7	8	-	-	-	2	2	-	2	2	-
TOTAL OR AVERAGE-----	-	-	1	1	1	7	8	-	-	-	2	2	-	2	2	-
TOTAL OR AVERAGE, ALL MINES AND PLANTS: WYOMING-----	-	-	3	3	3	8	11	-	-	-	24	24	-	8	8	-
TOTAL OR AVERAGE-----	-	-	3	3	3	8	11	-	-	-	24	24	-	8	8	-
GRAND TOTAL OR AVERAGE: WYOMING-----	-	-	3	3	3	8	11	-	-	-	24	24	-	8	8	-
TOTAL OR AVERAGE-----	-	-	3	3	3	8	11	-	-	-	24	24	-	8	8	-
TALC-SOAPSTONE: SURFACE MINES: OPEN PIT: MONTANA-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, SURFACE: MONTANA-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, MINING: VERMONT-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
PROCESSING PLANTS: MONTANA-----	-	-	1	1	1	-	-	-	-	-	22	22	-	22	1	12
VERMONT-----	-	-	1	1	1	-	-	-	-	-	23	23	-	12	12	-
TOTAL OR AVERAGE-----	-	-	2	2	2	-	2	-	-	-	23	23	-	12	12	-

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION, AND STATE	NUMBER OF INJURIES						LOST WORKDAYS					AVERAGE SEVERITY									
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL							
		PERMANENT	TEMPO- RARY	TOTAL NFDL				TOTAL	PARTIAL	TEMPO- RARY											
ALL NONMETALLIC MINERALS: UNDERGROUND MINES: LOUISIANA WYOMING TOTAL OR AVERAGE----	- - - -	- - - -	1 1 2 -	1 1 2 -	1 1 2 -	3 1 4 -	- - - -	- - - -	- - - -	1 12 13 -	1 12 13 -	- - - -	1 12 6 -	1 12 6 -							
SURFACE AT UNDERGROUND: LOUISIANA NEW MEXICO VIRGINIA WYOMING TOTAL OR AVERAGE----	- - - - -	- - - - -	1 2 1 4 -	1 2 1 4 -	1 2 1 4 -	2 1 1 7 -	- - - - -	- - - - -	- - - - -	40 73 10 123 -	40 73 10 123 -	- - - - -	40 36 10 31 -	40 36 10 31 -							
TOTAL OR AVERAGE, UG: LOUISIANA NEW MEXICO VIRGINIA WYOMING TOTAL OR AVERAGE----	- - - - -	- - - - -	2 2 2 6 -	2 2 2 6 -	2 2 2 6 -	5 2 1 11 -	- - - - -	- - - - -	- - - - -	41 73 22 136 -	41 73 22 136 -	- - - - -	20 36 11 23 -	20 36 11 23 -							
SURFACE MINES: OPEN PIT: CALIFORNIA FLORIDA GEORGIA IDAHO MISSOURI MONTANA NORTH CAROLINA PENNSYLVANIA SOUTH CAROLINA TOTAL OR AVERAGE----	- - - - - - - - - - 1 1	- - - - - - - - - - 1 1	15 4 1 1 1 1 21 -	15 4 1 1 1 1 22 -	15 4 1 1 1 1 23 -	16 4 2 1 1 1 28 -	- - - - - - 5,000 5,000	- - - - - - 400 400	- - - - - - 400 400	200 154 400 1 10 - 855 -	200 154 400 1 10 - 855 -	- - 400 - - - 400	19 38 400 1 10 - 22 -	19 38 400 1 10 - 22 -							
DREDDGE: NORTH CAROLINA TOTAL OR AVERAGE----	- -	- -	- -	- -	- -	3 3	- -	- -	- -	- -	- -	- -	- -	- -							

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	MFDL			TOTAL FATAL AND MFDL	NDL	TOTAL INJURIES	FATAL	MFDL			TOTAL FATAL AND MFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MFDL	
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL	PARTIAL	TOTAL					
ALL NONMETALLIC-CONTINUED:																
TOTAL OR AVERAGE, SURFACE:																
CALIFORNIA	-	-	-	15	-	15	1	16	-	-	-	290	-	-	19	-
FLORIDA	-	-	-	4	-	4	1	4	-	-	-	154	-	-	38	-
GEORGIA	-	-	-	1	-	1	1	2	-	-	-	400	-	-	400	-
IDAHO	-	-	-	1	-	1	1	1	-	-	-	1	-	-	1	-
MISSOURI	-	-	-	1	-	1	1	4	-	-	-	10	-	-	10	-
MONTANA	-	-	-	1	-	1	3	4	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	1	-	1	1	1	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	1	-	1	1	1	-	-	-	-	-	-	-	-
SOUTH CAROLINA	1	-	-	-	-	-	1	1	6,000	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	1	21	22	23	8	31	6,000	-	400	455	855	400	22	238	6,000
TOTAL OR AVERAGE, MINING:																
CALIFORNIA	-	-	-	15	-	15	1	16	-	-	-	290	-	-	19	-
FLORIDA	-	-	-	4	-	4	1	4	-	-	-	154	-	-	38	-
GEORGIA	-	-	-	1	-	1	1	2	-	-	-	400	-	-	400	-
IDAHO	-	-	-	1	-	1	1	1	-	-	-	41	-	-	1	-
LOUISIANA	-	-	-	2	-	2	3	5	-	-	-	73	-	-	36	-
MISSOURI	-	-	-	1	-	1	1	1	-	-	-	10	-	-	10	-
MONTANA	-	-	-	1	-	1	1	1	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	2	-	2	2	4	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	1	-	1	3	4	-	-	-	73	-	-	36	-
PENNSYLVANIA	-	-	-	1	-	1	1	1	-	-	-	10	-	-	10	-
SOUTH CAROLINA	1	-	-	-	-	-	1	1	6,000	-	-	-	-	-	-	-
VIRGINIA	-	-	-	2	-	2	1	1	-	-	-	-	-	-	-	-
WYOMING	-	-	-	2	-	2	1	3	-	-	-	22	-	-	11	-
TOTAL OR AVERAGE	1	1	27	28	29	13	42	6,000	-	400	531	931	400	22	241	6,000
PROCESSING PLANTS:																
ALABAMA	-	-	-	7	-	7	17	24	-	-	-	39	-	-	6	-
CALIFORNIA	-	-	-	2	-	2	2	2	-	-	-	34	-	-	17	-
GEORGIA	2	-	1	17	18	20	14	34	12,000	-	100	381	100	619	23	-
KANSAS	-	-	-	1	-	1	1	1	-	-	-	23	-	-	22	-
MISSOURI	-	-	-	1	-	1	1	1	-	-	-	-	-	-	-	-
MONTANA	-	-	-	1	-	1	1	1	-	-	-	22	-	-	2	-
NEW MEXICO	-	-	-	1	-	1	3	3	-	-	-	2	-	-	2	-
SOUTH CAROLINA	-	-	-	4	-	4	4	4	-	-	-	112	-	-	28	-
TEXAS	-	-	-	1	-	1	1	1	-	-	-	1	-	-	1	-
VERMONT	-	-	-	1	-	1	7	8	-	-	-	2	-	-	2	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	2	1	35	36	38	42	80	12,000	-	100	516	616	100	15	332	6,000

TABLE 7. - NUMBER OF INJURIES, LOSS HOLIDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDL
		PERMANENT	TOTAL	PARTIAL				TEMPO RARY	TOTAL NFDL				
ALL NONMETALLIC-CONTINUED: TOTAL OR AVERAGE, ALL MINES AND PLANTS:													
ALABAMA	-	-	7	-	7	24	17	-	39	-	39	-	6
CALIFORNIA	-	-	2	-	2	3	2	-	34	-	34	-	17
FLORIDA	-	-	15	-	15	16	1	-	290	-	290	-	19
GEORGIA	2	-	21	-	21	38	14	12,000	435	100	12,535	100	21
IDAHO	-	-	1	-	1	2	-	-	23	400	400	400	-
KANSAS	-	-	1	-	1	2	1	-	23	-	23	-	23
LOUISIANA	-	-	2	-	2	5	3	-	41	-	41	-	20
MISSOURI	-	-	1	-	1	2	1	-	22	-	22	-	1
MONTANA	-	-	2	-	2	3	3	-	73	-	73	-	22
NEVADA	-	-	1	-	1	4	-	-	10	-	10	-	36
NORTH CAROLINA	-	-	1	-	1	2	1	6,000	2	-	2	-	2
PENNSYLVANIA	1	-	4	-	4	4	-	-	112	-	112	-	28
SOUTH CAROLINA	-	-	1	-	1	1	1	-	24	-	24	-	1
TEXAS	-	-	3	-	3	11	8	-	-	-	-	-	8
VERMONT	-	-	-	-	-	1	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	122	55	18,000	1,107	500	19,607	250	18
WYOMING	3	-	62	-	64	67	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	2	62	-	64	122	55	18,000	1,107	500	19,607	250	18
OFFICE:	-	-	-	-	-	1	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	1	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	-	-	-	-	-	-	-
GRAND TOTAL OR AVERAGE:	-	-	-	-	-	24	17	-	39	-	39	-	6
ALABAMA	-	-	7	-	7	3	2	-	34	-	34	-	17
CALIFORNIA	-	-	2	-	2	16	1	-	290	-	290	-	19
FLORIDA	-	-	15	-	15	38	14	-	435	100	12,535	100	21
GEORGIA	2	-	21	-	21	2	-	12,000	23	400	400	400	-
IDAHO	-	-	1	-	1	5	3	-	41	-	41	-	23
KANSAS	-	-	2	-	2	2	1	-	22	-	22	-	1
LOUISIANA	-	-	1	-	1	3	3	-	73	-	73	-	22
MISSOURI	-	-	2	-	2	4	-	-	10	-	10	-	36
MONTANA	-	-	1	-	1	2	1	6,000	2	-	2	-	10
NEVADA	-	-	4	-	4	4	-	-	112	-	112	-	2
NORTH CAROLINA	-	-	1	-	1	2	1	-	24	-	24	-	8
PENNSYLVANIA	1	-	3	-	3	11	8	-	-	-	-	-	1
SOUTH CAROLINA	-	-	-	-	-	123	56	18,000	1,107	500	19,607	250	18
TEXAS	-	-	-	-	-	1	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	1	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	1	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	1	-	-	-	-	-	-	-
TOTAL OR AVERAGE	3	2	62	-	64	123	56	18,000	1,107	500	19,607	250	18

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL NFDL					
									TOTAL	PARTIAL			
UNDERGROUND MINES:													
UNDERGROUND:													
NOSE	-	-	-	-	-	1	-	-	-	-	1	-	1
HEAD, NEC	-	-	-	-	-	1	-	-	-	-	12	-	12
FINGER(S)	-	-	-	-	-	1	-	-	-	-	13	-	6
KNEE	-	-	-	-	-	2	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	2	-	2	4	-	-	-	-	-	-	-
SURFACE AT UNDERGROUND:													
FACE, NEC	-	-	-	-	-	1	-	-	-	-	18	-	18
UPPER EXTREMITIES, NEC	-	-	-	-	-	1	-	-	-	-	55	-	55
BACK	-	-	-	-	-	1	-	-	-	-	40	-	40
PELVIC REGION	-	-	-	-	-	1	-	-	-	-	10	-	10
ANKLE	-	-	-	-	-	1	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	1	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	7	-	-	-	-	123	-	31
TOTAL OR AVERAGE	-	-	4	-	4	13	-	-	-	-	-	-	-
TOTAL OR AVERAGE, LG:													
NOSE	-	-	-	-	-	1	-	-	-	-	1	-	1
FACE, NEC	-	-	-	-	-	1	-	-	-	-	12	-	12
HEAD, NEC	-	-	-	-	-	1	-	-	-	-	18	-	18
FINGER(S)	-	-	-	-	-	1	-	-	-	-	55	-	55
UPPER EXTREMITIES, NEC	-	-	-	-	-	1	-	-	-	-	40	-	40
BACK	-	-	-	-	-	1	-	-	-	-	10	-	10
PELVIC REGION	-	-	-	-	-	1	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	1	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	1	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	1	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	3	-	-	-	-	136	-	23
TOTAL OR AVERAGE	-	-	6	-	6	13	-	-	-	-	-	-	-
SURFACE MINES:													
OPEN PIT:													
EYE	-	-	-	-	-	2	-	-	-	-	24	-	12
HEAD, NEC	-	-	-	-	-	2	-	-	-	-	11	-	11
WRIST	-	-	-	-	-	2	-	-	-	-	12	-	12
HAND	-	-	-	-	-	2	-	-	-	-	6	-	6
FINGER(S)	-	-	-	-	-	2	-	-	-	-	400	-	211
UPPER EXTREMITIES, NEC	-	-	-	-	-	2	-	-	-	-	3	-	3
ABDOMEN	-	-	-	-	-	2	-	-	-	-	4	-	4
BACK	-	-	-	-	-	7	-	-	-	-	196	-	28
TRUNK, NEC	-	-	-	-	-	7	-	-	-	-	74	-	74
ANKLE	-	-	-	-	-	1	-	-	-	-	63	-	63
FOOT	-	-	-	-	-	1	-	-	-	-	22	-	22
LOWER EXTREMITIES, NEC	-	-	-	-	-	4	-	-	-	-	6,000	-	1,566
MULTIPLE PARTS OF BODY	-	-	-	-	-	28	-	-	-	-	6,000	-	22
TOTAL OR AVERAGE	-	-	21	-	22	5	-	-	-	-	855	-	22

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT CONSTRUCTOR NONFATAL MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TOTAL					TEMPORARY	TOTAL	TEMPORARY					TOTAL
			TOTAL	PARTIAL											
DRILLING:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
EYE:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
HAND:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
FINGER(S):	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE:	-	-	-	-	-	3	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, SURFACE:	-	-	-	-	-	3	-	-	-	-	-	-	-	-	
EYE:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
HEAD, NEC:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
ARTIST:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
HAND:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
FINGER(S):	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
UPPER EXTREMITIES, NEC:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
ARM/ARM:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
BACK:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TRUNK, NEC:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
ANKLE:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
FOOT:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
LOWER EXTREMITIES, NEC:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
MULTIPLE PARTS OF BODY:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE:	-	-	-	-	-	8	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, MINING:	-	-	-	-	-	8	-	-	-	-	-	-	-	-	
EYE:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
NOSE:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
FACE, NEC:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
HEAD, NEC:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
ARTIST:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
HAND:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
FINGER(S):	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
UPPER EXTREMITIES, NEC:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
ARM/ARM:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
BACK:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
PELVIC REGION:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TRUNK, NEC:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
KNEE:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
ANKLE:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
FOOT:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TOE(S):	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
LOWER EXTREMITIES, NEC:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
MULTIPLE PARTS OF BODY:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE:	-	-	-	-	-	13	-	-	-	-	-	-	-	-	

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	MFDL			TOTAL FATAL AND MFDL	NOI	TOTAL INJURIES	FATAL	MFDL			TOTAL FATAL AND MFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MFDL		
		PERMANENT	TEMPO- RARY	TOTAL					PERMANENT	TEMPO- RARY	TOTAL						
																TOTAL	PARTIAL
PROCESSING PLANTS:																	
EYE	-	-	9	-	9	16	25	-	-	-	11	11	-	11	-	1	
HEAD, NEC	-	-	1	-	1	2	2	-	-	-	-	-	-	62	-	-	
NECK	-	-	1	-	1	1	1	-	-	-	-	-	-	4	-	62	
ELBOW	-	-	2	-	2	3	3	-	-	-	-	-	-	11	-	4	
FOREARM	-	-	2	-	2	3	3	-	-	-	-	-	-	19	-	11	
HAND	-	-	3	-	3	3	3	-	-	100	156	156	-	100	-	40	
FINGER(S)	-	-	3	-	3	3	3	-	-	-	46	46	-	-	-	15	
UPPER EXTREMITIES, NEC	-	-	2	-	2	2	2	-	-	-	23	23	-	-	-	14	
BACK	-	-	1	-	1	1	1	-	-	-	2	2	-	-	-	2	
CHEST	-	-	1	-	1	1	1	-	-	-	39	39	-	-	-	20	
SHOULDER(S)	-	-	1	-	1	1	1	-	-	-	80	80	-	-	-	20	
TRUNK, NEC	-	-	2	-	2	2	2	-	-	-	28	28	-	-	-	14	
THIGH	-	-	2	-	2	2	2	-	-	-	-	-	-	-	-	14	
KNEE	-	-	2	-	2	2	2	-	-	-	27	27	-	-	-	14	
LOWER LEG	-	-	2	-	2	2	2	-	-	-	26	26	-	-	-	14	
FOOT	-	-	1	-	1	1	1	-	-	-	7	7	-	-	-	26	
TOE(S)	-	-	1	-	1	1	1	-	-	-	1	1	-	-	-	7	
LOWER EXTREMITIES, NEC	-	-	2	-	2	2	2	-	-	-	70	70	-	-	-	1	
BODY SYSTEMS	-	-	35	-	35	42	5	12,000	-	-	516	516	-	100	35	3,018	
MULTIPLE PARTS OF BODY	2	-	1	-	36	42	86	12,000	-	-	616	616	-	100	15	332	
TOTAL OR AVERAGE	2	1	35	1	36	42	86	12,000	-	100	516	616	-	100	15	332	

TABLE 9. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TOTAL						TEMPO- RARY	TOTAL NFDL					
			TOTAL	PARTIAL											
TOTAL OR AVERAGE, ALL MINES AND PLANTS:															
EYE	-	-	11	11	11	17	28	-	-	-	35	35	-	3	3
NOSE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	2	4	-	-	-	-	-	-	-	-
NECK	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	2	9	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	7	11	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	7	13	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	4	15	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	-	3	11	-	-	-	-	-	-	-	-
ABDOMEN	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	10	13	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-
PELVIC REGION	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TRUNK, NEC	-	-	-	-	-	2	4	-	-	-	-	-	-	-	-
THIGH	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	2	5	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	3	4	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	3	-	-	5	8	2	10	-	18,000	-	-	-	-	-	-
TOTAL OR AVERAGE	3	2	62	64	67	55	122	18,000	500	1,107	1,607	250	18	253	253
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-

TABLE 9. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1988 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST HOURS/DAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		TOTAL	PARTIAL	TEMPORARY					TOTAL NFDL						
GRAND TOTAL OR AVERAGE:															
EYE	-	11	-	11	11	17	28	-	-	-	35	35	-	3	3
NOSE	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-
NECK	-	2	-	2	2	2	2	-	-	-	12	12	-	6	6
ELBOW	-	1	-	1	1	1	2	-	-	-	62	62	-	62	62
FOREARM	-	2	-	2	2	2	3	-	-	-	8	8	-	4	4
WRIST	-	2	-	2	2	2	3	-	-	-	12	12	-	6	6
HAND	-	2	-	2	2	2	3	-	-	-	22	22	-	11	11
FINGER(S)	-	2	-	2	2	2	5	-	-	-	52	52	-	10	10
UPPER EXTREMITIES, NEC	-	2	-	2	2	2	1	-	-	-	21	21	-	4	4
SHOULDER	-	-	-	-	-	-	1	-	-	-	244	244	-	24	24
BACK	-	10	-	10	10	3	13	-	-	-	29	29	-	14	14
PELVIC REGION	-	2	-	2	2	2	1	-	-	-	55	55	-	5	5
SHOULDER(S)	-	1	-	1	1	1	1	-	-	-	3	3	-	2	2
TRUNK, NEC	-	2	-	2	2	2	4	-	-	-	80	80	-	80	80
THIGH	-	2	-	2	2	2	1	-	-	-	28	28	-	14	14
KNEE	-	2	-	2	2	2	1	-	-	-	114	114	-	57	57
LOWER LEG	-	2	-	2	2	2	4	-	-	-	90	90	-	30	30
ANKLE	-	2	-	2	2	2	3	-	-	-	36	36	-	18	18
FOOT	-	2	-	2	2	2	1	-	-	-	29	29	-	14	14
TOE(S)	-	1	-	1	1	1	1	-	-	-	1	1	-	1	1
LOWER EXTREMITIES, NEC	-	5	-	5	5	2	10	-	-	-	92	92	-	18	18
BODY SYSTEMS	3	-	-	-	-	-	3	18,000	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	3	-	-	-	-	-	123	18,000	-	-	-	-	-	-	-
TOTAL OR AVERAGE:		64	2	52	67	56	123		500		1,107	1,607	250	18	293

TABLE 11. NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR AOA LOCATION AND NATURE OF INJURY AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1963

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY					TOTAL	TOTAL FATAL AND NFDL						
			TOTAL	PARTIAL						TOTAL FATAL AND NFDL					
															TOTAL
UNDERGROUND MINES:															
UNDERGROUND:															
CONTUSION OR BRUISE	-	-	1	-	1	1	-	-	-	-	-	-	1	1	
CUT OR PUNCTURE	-	-	1	-	1	1	-	-	-	-	-	-	12	12	
FRACTURE	-	-	1	-	1	1	-	-	-	-	-	-	-	-	
MULTIPLE INJURIES	-	-	-	-	-	4	-	-	-	-	-	-	13	6	
TOTAL OR AVERAGE	-	-	2	-	2	2	-	-	-	-	-	-	13	6	
SURFACE AT UNDERGROUND:															
CUT OR PUNCTURE	-	-	2	-	2	2	-	-	-	-	-	-	95	48	
FRACTURE	-	-	1	-	1	1	-	-	-	-	-	-	18	18	
RADIATION/ULTRA VIOLET	-	-	1	-	1	1	-	-	-	-	-	-	10	10	
STRAIN/SPRAIN	-	-	1	-	1	1	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	3	-	-	-	-	-	-	123	31	
TOTAL OR AVERAGE	-	-	4	-	4	4	-	-	-	-	-	-	123	123	
SURFACE MINES:															
OPEN PIT:															
CONTUSION OR BRUISE	-	-	1	-	1	1	-	-	-	-	-	-	1	1	
CUT OR PUNCTURE	-	-	3	-	3	3	-	-	-	-	-	-	107	36	
FRACTURE	-	-	1	-	1	1	-	-	-	-	-	-	18	18	
RADIATION/ULTRA VIOLET	-	-	1	-	1	1	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN	-	-	1	-	1	1	-	-	-	-	-	-	10	10	
MULTIPLE INJURIES	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	5	-	-	-	-	-	-	136	23	
TOTAL OR AVERAGE	-	-	6	-	6	6	-	-	-	-	-	-	136	136	
SURFACE MINES:															
OPEN PIT:															
ANNUATION/EMULSION	-	-	1	-	1	1	-	-	-	-	-	-	400	400	
BURN/SCALD (HOT CHEM.)	-	-	1	-	1	1	-	-	-	-	-	-	3	3	
CONTUSION OR BRUISE	-	-	4	-	4	4	-	-	-	-	-	-	22	22	
CUT OR PUNCTURE	-	-	1	-	1	1	-	-	-	-	-	-	14	14	
DUST IN EYE	-	-	3	-	3	3	-	-	-	-	-	-	88	88	
FRACTURE	-	-	6	-	6	6	-	-	-	-	-	-	177	177	
STRAIN/SPRAIN	-	-	1	-	1	1	-	-	-	-	-	-	1	1	
MULTIPLE INJURIES	-	-	4	-	4	4	-	-	-	-	-	-	44	44	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	21	-	21	23	-	-	-	-	-	-	445	855	
DREDGE:															
CUT OR PUNCTURE	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
MULTIPLE INJURIES	-	-	-	-	-	3	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	3	-	-	-	-	-	-	-	-	

TABLE 11. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMB. OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	PERMANENT		TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY
		TOTAL	PARTIAL	TOTAL									
TOTAL OR AVERAGE SEVERITY:													
AMPUTATION/EMBOLEATION	-	1	-	-	1	-	1	-	-	400	400	400	3
BURN/SCALD (HOT LIQ.)	-	-	-	-	-	-	2	-	-	-	-	-	22
CONCUSSION OR BRUISE	-	-	-	4	4	-	4	-	-	-	-	-	26
CUT OR PUNCTURE	-	-	-	-	-	-	1	-	-	-	-	-	14
DUST IN EYE	-	-	-	-	-	-	1	-	-	-	-	-	25
FRACTURE	-	-	-	6	6	-	6	5,000	-	-	5,000	-	30
STRAIN/SPRAIN	-	-	-	1	1	-	1	-	-	-	-	-	1
MULTIPLE INJURIES	-	-	-	4	4	-	4	-	-	-	-	-	11
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	2	-	-	-	-	-	1
TOTAL OR AVERAGE	1	-	1	21	23	5	31	5,000	-	400	5,855	400	22
TOTAL OR AVERAGE SEVERITY:													
AMPUTATION/EMBOLEATION	-	1	-	-	1	-	1	-	-	400	400	400	3
BURN/SCALD (HOT LIQ.)	-	-	-	-	-	-	4	-	-	-	-	-	22
CONCUSSION OR BRUISE	-	-	-	5	5	-	5	-	-	-	-	-	21
CUT OR PUNCTURE	-	-	-	1	1	-	1	-	-	-	-	-	14
DUST IN EYE	-	-	-	1	1	-	1	-	-	-	-	-	22
FRACTURE	-	-	-	6	6	-	6	5,000	-	-	5,000	-	30
STRAIN/SPRAIN	-	-	-	1	1	-	1	-	-	-	-	-	1
MULTIPLE INJURIES	-	-	-	5	5	-	5	-	-	-	-	-	11
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	5	-	-	-	-	-	1
TOTAL OR AVERAGE	1	-	1	27	28	13	42	5,000	-	400	5,391	400	22
TOTAL OR AVERAGE SEVERITY:													
AMPUTATION/EMBOLEATION	-	1	-	-	1	-	1	-	-	100	100	100	6
BURN/SCALD (HOT LIQ.)	-	-	-	-	-	-	4	-	-	-	-	-	10
CHEMICAL BURN	-	-	-	4	4	-	4	5,000	-	-	5,000	-	5
CONCUSSION OR BRUISE	-	-	-	2	2	-	2	-	-	-	-	-	2
CUT OR PUNCTURE	-	-	-	3	3	-	3	-	-	-	-	-	57
DUST IN EYE	-	-	-	1	1	-	1	-	-	-	-	-	1
FRACTURE	-	-	-	4	4	-	4	-	-	-	-	-	1
POISONING (SYSTEMIC)	-	-	-	1	1	-	1	-	-	-	-	-	1
RADIATION/ULTRA VIOLET	-	-	-	1	1	-	1	-	-	-	-	-	10
STRAIN/SPRAIN	-	-	-	1	1	-	1	-	-	-	-	-	19
MULTIPLE INJURIES	-	-	-	8	8	-	8	5,000	-	-	5,000	-	20
UNCLASSIFIED (NO DATA)	-	-	-	5	5	-	5	-	-	-	-	-	1
TOTAL OR AVERAGE	2	-	1	35	36	42	80	12,000	-	100	12,616	100	15
TOTAL OR AVERAGE SEVERITY:													

TABLE 11. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		TOTAL	PERMANENT	TEMPORARY					TOTAL NFDL						
TOTAL OR AVERAGE	3	2	54	62	54	62	16,000	500	1,107	19,507	250	16	253		
ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMPUTATION/ENGULFMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BURN/SCALD (HOT CHEM.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHEMICAL BURN	-	-	-	-	-	-	6,000	-	-	-	-	-	-	-	
CONTUSION OR BRUISE	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SCALD/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN	-	-	-	-	-	-	12,000	-	-	-	-	-	-	-	
MULTIPLE INJURIES	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	3	2	54	62	54	62	16,000	500	1,107	19,507	250	16	253		
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GRAND TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMPUTATION/ENGULFMENT	-	2	4	1	7	1	-	500	26	500	250	6	250		
BURN/SCALD (HOT CHEM.)	-	-	-	-	-	-	-	-	-	-	-	-	-		
CHEMICAL BURN	-	-	-	-	-	-	6,000	-	-	-	-	-	-		
CONTUSION OR BRUISE	-	-	-	-	-	-	-	-	-	-	-	-	-		
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-		
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-		
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-		
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-		
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-		
SCALD/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-		
STRAIN/SPRAIN	-	-	-	-	-	-	12,000	-	-	-	-	-	-		
MULTIPLE INJURIES	2	-	-	-	-	-	-	-	-	-	-	-	-		
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	3	2	54	62	54	62	16,000	500	1,107	19,507	250	16	253		

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL					
EYE: CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE DUST IN EYE RADIATION/ULTRA VIOLET SCATCH/ABRASION MULTIPLE INJURIES TOTAL OR AVERAGE	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	25	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	5		
NOSE: MULTIPLE INJURIES TOTAL OR AVERAGE	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
FACE, MED: CUT OR PUNCTURE TOTAL OR AVERAGE	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
HEAD, MED: CUT OR PUNCTURE UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - -	2 2 - -	2 2 - -	2 2 - -	2 2 - -	3 4 - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	12 12 - -	12 12 - -	6 6 - -	6 6 - -
MEDX: CHEMICAL BURN TOTAL OR AVERAGE	- - -	- - -	- - -	- - -	- - -	1 1 - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
ELBOW: FRACTURE STRAIN/SPRAIN TOTAL OR AVERAGE	- - - -	1 1 1 -	1 1 1 -	1 1 1 -	1 1 1 -	1 1 2 -	- - -	- - -	- - -	- - -	- - -	- - -	62 62 - -	62 62 - -	62 62 - -	62 62 - -
FOREARM: BURN/SCALD (NOT CHEM.) CONTUSION OR BRUISE CUT OR PUNCTURE TOTAL OR AVERAGE	- - - - -	1 1 1 2 -	1 1 1 2 -	1 1 1 2 -	1 1 1 3 -	2 2 5 -	- - -	- - -	- - -	- - -	- - -	- - -	6 6 2 8 -	6 6 2 8 -	6 6 2 8 -	6 6 2 8 -

TABLE 12. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL					
	TOTAL	PARTIAL														
WRIST: FRACTURE----- STRAIN/SPRAIN----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - -	- 1 1 2	- 1 1 2	1 1 2	1 1 2	- 1 1 1	1 1 1 3	- - - -	- - - -	- - - -	6 6 - 12	- - - -	6 6 - 6	6 6 - 6	6 6 - 6	
HAND: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- SCRAATCH/ABRASION----- TOTAL OR AVERAGE-----	- - - - -	- 1 - 1 2	- - 1 - 2	1 - 1 2	1 - 1 2	- 3 1 1 7	4 3 1 1 9	- - - - -	- - - - -	- - - - -	12 - - 10 22	- - - -	12 - - 10 22	12 - - 10 11	12 - - 10 11	
FINGER(S): AMPUTATION/ENUCLEATION----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - - - -	2 1 1 3 5 2	- 1 1 1 3 5	2 1 1 3 7	2 1 1 3 7	- - 2 2 2 4	2 1 2 5 11	- - - - -	- - - - -	500 - - - 500 -	- 22 12 58 92	500 22 12 58 592	250 - - - 250	22 - 12 19 18	250 - - - 250	
UPPER EXTREMITIES, NEC: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CUT OR PUNCTURE----- RADIATION/ULTRA VIOLET----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - -	- 1 - - - 2	- 1 - 1 - 2	1 - - 1 2	1 - - 1 2	- 1 1 1 3	1 1 1 1 5	- - - - -	- - - - -	- - - - -	- 3 - 18 21	3 - 18 21	3 - 18 21	3 - 18 10	3 - 18 10	
ABDOMEN: UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - -	- 1 1	- 1 1	1 1 1	1 1 1	- - -	1 1 1	- - -	- - -	- - -	4 4 4	- 4 4	- 4 4	- 4 4	4 4 4	4 4 4
BACK: FRACTURE----- STRAIN/SPRAIN----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - -	- 1 7 10	- 7 2 10	1 7 2 10	1 7 2 10	- 3 2 3	1 10 2 13	- - - -	- - - -	- - - -	8 198 38 244	- 8 198 38 244	- 8 198 38 244	- 8 198 19 24	8 28 19 24	

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE OF BODY INJURED AND NATURE OF INJURY AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES										LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL			
		TOTAL	PERMANENT	PARTIAL	TOTAL					TEMPO- RARY	TOTAL								
CHEST: BURN/SCALD (NOT CHEM.) FRACTURE STRAIN/SPRAIN TOTAL OR AVERAGE	- - - - -	- - - - -	1 1 1 2 -	1 1 1 2 -	1 1 1 2 -	- 1 1 1 -	1 1 1 3 -	- - - - -	- - - - -	- - - - -	12 - 17 29 55 55	- - - - -	12 - 17 14 55 55	12 - 17 14 55 55					
PELVIC REGION: FRACTURE TOTAL OR AVERAGE	- - -	- - -	1 1 -	1 1 -	1 1 -	- - -	1 1 -	- - -	- - -	- - -	- - -	55 55 -	- - -	55 55 -	55 55 -				
SHOULDER(S): STRAIN/SPRAIN TOTAL OR AVERAGE	- - -	- - -	1 1 -	1 1 -	1 1 -	- - -	1 1 -	- - -	- - -	- - -	- - -	2 2 -	- - -	2 2 -	2 2 -				
TRUNK, NEC: CONTUSION OR BRUISE MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - -	- - - - -	1 1 1 2 -	1 1 1 2 -	1 1 1 2 -	- 1 1 1 -	1 2 1 4 -	- - - - -	- - - - -	- - - - -	- - - - -	16 23 - 39 80 80	- - - - -	16 23 - 20 80 80	16 23 - 20 80 80				
THIGH: FRACTURE TOTAL OR AVERAGE	- - -	- - -	1 1 -	1 1 -	1 1 -	- - -	1 1 -	- - -	- - -	- - -	- - -	80 80 -	- - -	80 80 -	80 80 -				
KNEE: CONTUSION OR BRUISE CUT OR PUNCTURE STRAIN/SPRAIN TOTAL OR AVERAGE	- - - - -	- - - - -	- 2 2 2 -	- 2 2 2 -	- 2 2 2 -	- 1 1 3 -	1 3 5 -	- - - - -	- - - - -	- - - - -	- - - - -	- - 28 28 -	- - - - -	- - 14 14 -	- - 14 14 -				
LOWER LEG: CUT OR PUNCTURE TOTAL OR AVERAGE	- - -	- - -	- - -	- - -	- - -	2 2 -	2 2 -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -			
ANKLE: FRACTURE TOTAL OR AVERAGE	- - -	- - -	2 2 -	2 2 -	2 2 -	- - -	2 2 -	- - -	- - -	- - -	- - -	114 114 -	- - -	57 57 -	57 57 -				

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
LOUISIANA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
LOUISIANA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
SURFACE AT UC:																						
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
TOTAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3
TOTAL UNDERGROUND:																						
LOUISIANA	1	1	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	2	3
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
WYOMING	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	5
TOTAL	3	1	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	10	10
SURFACE MINES:																						
OPEN PIT:																						
CALIFORNIA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
FLORIDA	4	-	-	-	-	-	-	-	-	-	3	1	2	-	-	-	-	-	-	-	15	1
GEORGIA	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	4	1
IDaho	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	5	1	-	-	-	-	-	-	-	-	6	1	4	-	-	-	-	-	1	-	22	5
DREDGE:																						
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL SURFACE:																						
CALIFORNIA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
FLORIDA	4	-	-	-	-	-	-	-	-	-	3	1	2	-	-	-	-	-	-	-	15	1
GEORGIA	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	4	1
IDaho	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	5	1	-	-	-	-	-	-	-	-	6	1	4	-	-	-	-	-	1	-	22	8

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINING:																						
CALIFORNIA	-	1	-	-	-	-	-	-	-	-	3	1	-	2	-	-	-	-	1	-	15	1
FLORIDA	-	4	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	4	4	1
GEORGIA	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1	3
IDaho	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
WYOMING	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1
TOTAL	-	8	-	-	-	-	-	-	-	-	6	2	5	1	-	-	-	-	1	1	28	13
PROCESSING PLANTS:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	3	13	-	-	-	-	-	-	-	1	7	17
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	2	4	3	1	-	-	-	-	-	2	2	14
GEORGIA	-	1	-	-	-	-	-	-	-	-	4	-	1	-	-	-	-	-	-	-	18	1
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TEXAS	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	4	-
VERMONT	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	1	1
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
TOTAL	-	1	-	-	-	-	-	-	-	-	2	9	7	6	-	-	1	2	1	1	36	42
TOTAL MINES AND PLANTS:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	3	13	-	-	-	-	-	-	-	1	7	17
CALIFORNIA	-	1	-	-	-	-	-	-	-	-	3	1	1	-	-	-	-	-	-	2	2	1
FLORIDA	-	4	-	-	-	-	-	-	-	-	3	1	2	-	-	-	-	-	-	1	15	1
GEORGIA	-	2	-	-	-	-	-	-	-	-	6	4	3	-	-	-	-	-	-	2	22	14
IDaho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
LOUISIANA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
VERMONT	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	2	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	3	8
TOTAL	-	9	-	-	-	-	-	-	-	-	2	15	12	7	-	-	1	2	2	1	64	55
OFFICE:																						
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLLING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NON-POWERED HAULAGE		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL			
GRAND TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL	-	-	3	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	13	-	5	-	9	-		

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			IMPOUNDMENT			INUNNATION			MACHINERY			SLIP OR FALL OF PERSON			STEPPING OR KNEELING ON OBJECT			STRIKING OR BUMPING			OTHER			TOTAL		
	FTL	MDL	NOL	FTL	MDL	NOL	FTL	MDL	NOL	FTL	MDL	NOL	FTL	MDL	NOL	FTL	MDL	NOL	FTL	MDL	NOL	FTL	MDL	NOL	FTL	MDL	NOL	FTL	MDL	NOL	FTL	MDL	NOL
GRAND TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	15	21	-	12	7	-	-	-	1	2	-	2	1	3	64	56

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY PER WORK LOCATION AND STATE AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
LOUISIANA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
WYOMING	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
TOTAL	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
SURFACE AT UG:																						
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73
WYOMING	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
TOTAL	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	123
TOTAL UNDERGROUND:																						
LOUISIANA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41
NEW MEXICO	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73
WYOMING	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136
SURFACE MINES:																						
OPEN PIT:																						
FLORIDA	-	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	290
GEORGIA	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	154
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000
TOTAL SURFACE:																						
FLORIDA	-	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	290
GEORGIA	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	154
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000
TOTAL MINING:																						
FLORIDA	-	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	290
GEORGIA	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	154
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400
LOUISIANA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
SOUTH CAROLINA	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	991

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL
PROCESSING PLANTS:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	-	-	-	-
TOTAL MINES AND PLANTS:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	-	-	-
IDaho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	238	-	-	-	-
GRAND TOTAL:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	-	-	-
IDaho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	238	-	-	-	-

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
PROCESSING PLANTS:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	9	-	-	22	-	-	-	-	1	-	39	-
CALIFORNIA	-	16	-	-	-	-	-	-	-	-	14	-	-	133	-	-	7	-	-	-	34	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-	-	381	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	-	-	-	23	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	80	-	-	-	-	-	-	22	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	112	-
TEXAS	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
WYOMING	-	-	-	-	-	-	-	-	-	-	26	-	-	280	-	-	7	-	-	-	516	-
TOTAL	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,000	-
TOTAL MINES AND PLANTS:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	9	-	-	22	-	-	-	-	1	-	39	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	-	-	34	-
FLORIDA	55	-	-	-	-	-	-	-	-	-	142	-	-	132	-	-	-	-	14	-	290	-
GEORGIA	90	-	-	-	-	-	-	-	-	-	88	-	-	83	-	-	-	-	-	-	535	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	400	-	-	-	-	-	-	-	-	-	400	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-	-	23	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	41	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	-	-	-	-	-	22	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	73	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	10	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	80	-	-	-	-	-	-	2	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	112	-
TEXAS	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-
WYOMING	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	168	-	-	-	-	-	-	-	-	642	-	-	383	-	-	7	-	15	-	18,000	1,607
GRAND TOTAL:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	9	-	-	22	-	-	-	-	1	-	39	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	-	-	34	-
FLORIDA	55	-	-	-	-	-	-	-	-	-	142	-	-	133	-	-	-	-	14	-	290	-
GEORGIA	90	-	-	-	-	-	-	-	-	-	88	-	-	83	-	-	-	-	-	-	535	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	400	-	-	-	-	-	-	-	-	-	400	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-	-	23	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	41	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	-	-	-	-	-	22	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	73	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	10	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	80	-	-	-	-	-	-	2	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	112	-
TEXAS	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-
WYOMING	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	168	-	-	-	-	-	-	-	-	642	-	-	383	-	-	7	-	15	-	18,000	1,607

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1988

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HANDTOOL			NONPOWERED HAULAGE		
	FTL	MFDL	NOL	FTL	MFDL	NOL	FTL	MFDL	NOL	FTL	MFDL	NOL	FTL	MFDL	NOL	FTL	MFDL	NOL	FTL	MFDL	NOL	FTL	MFDL	NOL	FTL	MFDL	NOL	FTL	MFDL	NOL	FTL	MFDL	NOL
UNDERGROUND MINES:																																	
UNDERGROUND:																																	
SALT																																	
SODIUM COMPOUNDS																																	
TOTAL																																	
SURFACE AT IG:																																	
GIPSUM																																	
POTASH																																	
SALT																																	
SODIUM COMPOUNDS																																	
TOTAL																																	
TOTAL UNDERGROUND:																																	
GIPSUM																																	
POTASH																																	
SALT																																	
SODIUM COMPOUNDS																																	
TOTAL																																	
SURFACE MINES:																																	
OPEN PIT:																																	
BARITE																																	
CLAY																																	
PHOSPHATE																																	
TALC-SDPSTONE																																	
OTHER NONMETAL NEC																																	
TOTAL																																	
DREDGE:																																	
PHOSPHATE																																	
TOTAL																																	
TOTAL SURFACE:																																	
BARITE																																	
CLAY																																	
PHOSPHATE																																	
TALC-SDPSTONE																																	
OTHER NONMETAL NEC																																	
TOTAL																																	

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
SALT		1																			1	2
SODIUM COMPOUNDS		1																			1	1
TOTAL		2																			2	2
SURFACE AT UC:																						
GYPSUM																						
POTASH																						
SALT																						
SODIUM COMPOUNDS																						
TOTAL		1																			1	1
TOTAL UNDERGROUND:																						
GYPSUM																						
POTASH																						
SALT		1																			1	1
SODIUM COMPOUNDS		2																			2	2
TOTAL		3																			3	3
SURFACE MINES:																						
OPEN PIT:																						
BARITE																						
CLAY		1																			1	1
PHOSPHATE		4																			4	4
TALC-SOAPSTONE																						
OTHER NONMETAL NEC		1																			1	1
TOTAL		5																			5	5
DRECE																						
PHOSPHATE																						
TOTAL																						
TOTAL SURFACE:																						
BARITE																						
CLAY		1																			1	1
PHOSPHATE		4																			4	4
TALC-SOAPSTONE																						
OTHER NONMETAL NEC		1																			1	1
TOTAL		5																			5	5

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPOWERED HAULAGE		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL
TOTAL MINING:																																	
BARITE-----																																	
CLAY-----																																	
GYPSUM-----																																	
PHOSPHATE-----																																	
POTASH-----																																	
SALT-----																																	
SODIUM COMPOUNDS-----																																	
TALC-SOAPSTONE-----																																	
OTHER NONMETAL NEC-----																																	
TOTAL-----																																	
PROCESSING PLANTS:																																	
BARITE-----																																	
CLAY-----																																	
POTASH-----																																	
SALT-----																																	
SHALE-----																																	
SODIUM COMPOUNDS-----																																	
TALC-SOAPSTONE-----																																	
OTHER NONMETAL NEC-----																																	
TOTAL-----																																	
TOTAL MINES AND PLANTS:																																	
BARITE-----																																	
CLAY-----																																	
GYPSUM-----																																	
PHOSPHATE-----																																	
POTASH-----																																	
SALT-----																																	
SHALE-----																																	
SODIUM COMPOUNDS-----																																	
TALC-SOAPSTONE-----																																	
OTHER NONMETAL NEC-----																																	
TOTAL-----																																	
OFFICE:																																	
SALT-----																																	
TOTAL-----																																	

TABLE 15 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPOKED HAULAGE		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL
GRAND TOTAL:																																	
BARITE																																	
CLAY																																	
GYPSUM																																	
PHOSPHATE																																	
POTASH																																	
SALT																																	
SHALE																																	
SILICA COMPOUNDS																																	
TALC-SERPENTINE																																	
OTHER NONMETAL NEC--																																	
TOTAL	3						1																		17	13	5	9					

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTIONS NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	32
BARITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	32
CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	17
GLASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
GRANITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
POTASH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
SODIUM COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
TALC- SOAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
OTHER NONMETAL MIN.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
TOTAL	9	3	-	-	-	-	-	-	-	-	2	15	21	12	-	-	1	2	2	1	64	56

TABLE 16 - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
SALT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
SODIUM COMPOUNDS	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
TOTAL	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
SURFACE AT UG:																						
GIPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POTASH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SODIUM COMPOUNDS	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
TOTAL	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
TOTAL UNDERGROUND:																						
GIPSUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POTASH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
SODIUM COMPOUNDS	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
TOTAL	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
SURFACE MINES:																						
OPEN PIT:																						
BARITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74
PHOSPHATE	-	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55
TALC- SOAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	129
DREDGE:																						
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL SURFACE:																						
BARITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLAY	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74
PHOSPHATE	-	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55
TALC- SOAPSTONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONMETAL NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	129

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL
GRAND TOTAL:																						
BARITE	-	90	-	-	-	-	-	-	-	-	12,000	97	-	133	-	-	-	-	-	1	18,000	591
CLAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIPSUM	-	55	-	-	-	-	-	-	-	-	542	-	-	47	-	-	-	-	14	-	-	700
PHOSPHATE	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-	-	-	-	-	-	-	73
POTASH	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-	-	-	64
SALT	-	-	-	-	-	-	-	-	-	-	-	-	-	80	-	-	-	-	-	-	-	97
SHALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
SODIUM COMPOUNDS	-	22	-	-	-	-	-	-	-	-	2	2	-	22	-	-	-	-	-	-	-	23
TALC-SERPENTINE	-	-	-	-	-	-	-	-	-	-	1	1	-	22	-	-	-	-	-	-	-	34
OTHER NONMETAL MIN.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	168	-	-	-	-	-	-	-	-	12,000	642	-	383	-	-	-	7	-	15	18,000	1,507

TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1988

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL	PARTIAL	TOTAL					PARTIAL
UNDERGROUND MINES: UNDERGROUND:															
MINER	-	-	1	-	1	2	-	-	-	1	-	-	1	1	
SUPERVISOR/FOREMAN	-	-	1	1	2	1	-	-	-	12	-	-	12	12	
N.E.C. OR UNKNOWN	-	-	1	1	2	4	-	-	-	13	-	-	13	6	
TOTAL OR AVERAGE	-	-	2	2	4	4	-	-	-	13	-	-	13	6	
SURFACE AT UNDERGROUND:															
ELECTRICIAN	-	-	1	1	2	1	-	-	-	18	-	-	18	18	
MINER	-	-	1	1	2	2	-	-	-	10	-	-	10	10	
TECH./PROF./CLERICAL	-	-	2	2	4	3	-	-	-	95	-	-	95	48	
N.E.C. OR UNKNOWN	-	-	4	4	8	7	-	-	-	123	-	-	123	31	
TOTAL OR AVERAGE	-	-	6	6	12	11	-	-	-	136	-	-	136	23	
TOTAL OR AVERAGE, UG:															
ELECTRICIAN	-	-	1	1	2	1	-	-	-	18	-	-	18	18	
MINER	-	-	1	1	2	2	-	-	-	10	-	-	10	10	
SUPERVISOR/FOREMAN	-	-	3	3	6	5	-	-	-	107	-	-	107	36	
TECH./PROF./CLERICAL	-	-	6	6	12	11	-	-	-	136	-	-	136	23	
N.E.C. OR UNKNOWN	-	-	4	4	8	7	-	-	-	136	-	-	136	23	
TOTAL OR AVERAGE	-	-	6	6	12	11	-	-	-	136	-	-	136	23	
SURFACE MINES: OPEN PIT:															
BLAZER/MOBILE EQUIP.	-	-	4	4	8	4	-	-	-	67	-	-	67	17	
DREDGE/CONE/SIGEL CR.	-	-	1	1	2	1	-	-	-	22	-	-	22	22	
DRILL OPERATOR	-	-	2	2	4	3	-	-	-	26	-	-	26	13	
FRONT END LOADER	-	-	4	4	8	6	-	-	-	39	-	-	39	10	
LADDER	-	-	5	5	10	8	-	-	-	54	-	-	54	11	
MECHANIC/MAINTENANCE	-	-	1	1	2	1	-	-	-	11	-	-	11	11	
SUPERVISOR/FOREMAN	-	-	1	1	2	2	-	-	-	74	-	-	74	11	
TRUCK DRIVER	-	-	2	2	4	3	-	-	-	69	-	-	69	34	
WELDER/MACHINIST	-	-	1	1	2	2	-	-	-	400	-	-	400	93	
N.E.C. OR UNKNOWN	-	-	1	1	2	2	-	-	-	455	-	-	455	22	
TOTAL OR AVERAGE	-	-	21	21	42	28	-	-	-	855	-	-	855	22	
DREDGE:															
MECHANIC/MAINTENANCE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
SUPERVISOR/FOREMAN	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	3	-	-	-	-	-	-	-	-	

TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1988 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFIL			TOTAL FATAL AND NFIL	NOL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL
		PERMANENT	TEMPORARY	TOTAL					TOTAL	PARTIAL	TOTAL				
TOTAL OR AVERAGE SURFACE:															
BULLDOZER/MOBILE EQUIP.	-	-	4	4	4	-	4	-	-	-	67	22	-	17	22
DRAW/CRAVE/SWEL OPR.	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-
DRILL OPERATOR	-	-	2	2	2	-	2	-	-	-	-	-	-	-	-
FRONT END LOADER	-	-	4	4	4	-	4	-	-	-	-	-	-	-	-
LABORER	-	-	5	5	5	-	5	-	-	-	-	-	-	-	-
MECHANIC/MAINTENANCE	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-
SUPERVISOR/FOREMAN	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-
TRUCK DRIVER	-	-	2	2	2	-	2	6,000	-	-	-	-	-	-	-
WELDER/MACHINIST	1	-	1	1	1	-	1	-	-	-	-	-	-	-	-
N.E.C. OR UNKNOWN	-	-	2	2	2	-	2	-	-	400	-	-	-	-	-
TOTAL OR AVERAGE	1	-	21	22	23	8	31	6,000	-	400	-	400	455	855	298
TOTAL OR AVERAGE MINING:															
BULLDOZER/MOBILE EQUIP.	-	-	4	4	4	-	4	-	-	-	67	22	-	17	22
DRAW/CRAVE/SWEL OPR.	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-
DRILL OPERATOR	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-
ELECTRICIAN	-	-	2	2	2	-	2	-	-	-	-	-	-	-	-
FRONT END LOADER	-	-	4	4	4	-	4	-	-	-	-	-	-	-	-
LABORER	-	-	5	5	5	-	5	-	-	-	-	-	-	-	-
MECHANIC/MAINTENANCE	-	-	2	2	2	-	2	-	-	-	-	-	-	-	-
MINER	-	-	2	2	2	-	2	-	-	-	-	-	-	-	-
SUPERVISOR/FOREMAN	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-
TECH./PROF./CLERICAL	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-
TRUCK DRIVER	-	-	2	2	2	-	2	6,000	-	-	-	-	-	-	-
WELDER/MACHINIST	1	-	1	1	1	-	1	-	-	400	-	-	-	-	-
N.E.C. OR UNKNOWN	-	-	4	4	4	-	4	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	-	27	28	29	13	42	6,000	-	400	-	400	591	991	241
TOTAL OR AVERAGE PROCESSING PLANTS:															
BULLDOZER/MOBILE EQUIP.	-	-	1	1	1	-	1	-	-	-	12	-	-	12	-
DRAW/CRAVE/SWEL OPR.	-	-	5	5	5	-	5	-	-	-	-	-	-	-	-
ELECTRICIAN	-	-	5	5	5	-	5	-	-	-	-	-	-	-	-
LABORER	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-
LOADING MACH. OPR.	-	-	8	8	8	-	8	-	-	-	-	-	-	-	-
MECHANIC/MAINTENANCE	-	-	2	2	2	-	2	-	-	-	-	-	-	-	-
PREP PLANT OPR.	-	-	2	2	2	-	2	-	-	-	-	-	-	-	-
SUPERVISOR/FOREMAN	1	-	1	1	1	-	1	6,000	-	-	-	-	-	-	-
TECH./PROF./CLERICAL	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-
WELDER/MACHINIST	1	-	8	8	8	-	8	6,000	-	-	-	-	-	-	-
N.E.C. OR UNKNOWN	-	-	2	2	2	-	2	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	2	-	35	36	38	42	80	12,000	-	100	-	100	516	516	332

TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	MFDL			TOTAL FATAL AND MFDL	MFL	TOTAL INJURIES	FATAL	MFDL			TOTAL FATAL AND MFDL	PERM- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MFDL	
		TOTAL	PARTIAL	TEMPO- RARY					TOTAL	PARTIAL	TEMPO- RARY					TOTAL
TOTAL OR AVERAGE																
ALL MINES AND PLANTS:																
BULLDOZER/MOBILE EQUIP.		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
DRAG/CRANE/SHOVEL OPR.		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
DRILL OPERATOR		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
ELECTRICIAN		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
FRONT END LOADER		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
LABORER		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
LOADING MACH. OPR.		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
MECHANIC/MAINTENANCE		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
MINER		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
PREP. PLANT OPR.		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
SUPERVISOR/FOREMAN		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
TECH./PROP./CLERICAL		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
TRUCK DRIVER		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
WELDER/MACHINIST		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
N.E.C. OR UNKNOWN		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
TOTAL OR AVERAGE	3	64	62	64	67	55	122	18,000	500	1,107	1,607	19,607	250	18	293	
OFFICE:																
LABORER																
TOTAL OR AVERAGE																
GRAND TOTAL OR AVERAGE:																
BULLDOZER/MOBILE EQUIP.		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
DRAG/CRANE/SHOVEL OPR.		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
DRILL OPERATOR		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
ELECTRICIAN		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
FRONT END LOADER		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
LABORER		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
LOADING MACH. OPR.		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
MECHANIC/MAINTENANCE		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
MINER		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
PREP. PLANT OPR.		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
SUPERVISOR/FOREMAN		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
TECH./PROP./CLERICAL		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
TRUCK DRIVER		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
WELDER/MACHINIST		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
N.E.C. OR UNKNOWN		5	1	6	2	9	1	14	2	4	5	12	100	10	16	
TOTAL OR AVERAGE	3	64	62	64	67	55	123	18,000	500	1,107	1,607	19,607	250	18	293	

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY					TOTAL NFDL								
			TOTAL	PARTIAL												
									TOTAL	PARTIAL						
UNDERGROUND MINES: UNDERGROUND: POWERED HAULAGE MACHINERY TOTAL OR AVERAGE	- - - - -	- - - - -	- - - - -	2 2 2 2 2	2 2 2 2 2	1 1 1 1 1	3 1 4 2 7	- - - - -	- - - - -	13 - 13 13 123	- - - - -	6 - 6 - 31	6 - 6 - -	6 - 6 - -		
SURFACE AT UNDERGROUND: ELECTRICAL HANDLING MATERIAL HAND TOOL POWERED HAULAGE SLIP OR FALL OF PERSON TOTAL OR AVERAGE	- - - - - - -	- - - - - - -	- - - - - - -	1 1 1 1 1 1 4	1 1 1 1 1 1 4	1 1 2 1 1 1 3	1 1 2 4 1 2 7	- - - - - - -	- - - - - - -	18 40 10 55 123	- - - - -	18 40 10 55 123	- - - - -	18 40 10 55 31	18 40 10 55 -	18 40 10 55 -
TOTAL OR AVERAGE, UG:	-	-	-	6	6	5	11	-	-	136	-	-	23	23	-	
SURFACE MINES: OPEN PIT: EXPLODING VESSEL UNDER PRESSURE HANDLING MATERIAL HAND TOOL POWERED HAULAGE MACHINERY SLIP OR FALL OF PERSON OTHER INJURIES TOTAL OR AVERAGE	1 - - - - - - - - - 1	- - - - - - - - - -	- - - - - - - - - -	3 3 3 5 6	3 3 3 5 6	2 1 1 1 1	5 5 6 7 11	6,000 - - - - - - - - - 6,000	- - - - - - - - - -	28 20 129 216 48 14 455	28 20 129 616 48 14 855	- - - 400 - - 400	9 7 26 43 12 14 22	9 7 26 43 12 14 22	6,000 9 7 26 103 12 14 288	
DREDGE: HANDLING MATERIAL HAND TOOL OTHER INJURIES TOTAL OR AVERAGE	- - - -	- - - -	- - - -	- - - -	- - - -	1 1 1 3	1 1 1 3	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -

TABLE 18. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY						
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL					
		TOTAL	PERMANENT	TOTAL NFDL				TOTAL	PERMANENT	TEMPO- RARY					TOTAL NFDL				
TOTAL OR AVERAGE, SURFACE:	1	-	-	-	1	1	6,000	-	-	-	6,000	-	-	6,000	-	9	9	5,000	
EXPLODING VESSEL	-	-	-	3	3	3	-	-	-	-	28	-	-	28	-	7	7	5,000	
UNDER PRESSURE	-	-	-	3	3	3	-	-	-	-	20	-	-	20	-	26	26	5,000	
HANDLING MATERIAL	-	-	-	5	5	5	-	-	-	-	129	-	-	129	-	43	43	5,000	
HAND TOOL	-	-	-	6	6	6	-	-	-	-	400	-	-	400	-	14	14	5,000	
POWERED HAULAGE	-	-	-	1	1	1	-	-	-	-	48	-	-	48	-	22	22	5,000	
MACHINERY	-	-	-	4	4	4	-	-	-	-	14	-	-	14	-	14	14	5,000	
SLIP OR FALL OF PERSON	-	-	-	1	1	1	-	-	-	-	455	-	-	455	-	22	22	5,000	
OTHER INJURIES	-	-	-	21	21	21	-	-	-	-	855	-	-	855	-	22	22	5,000	
TOTAL OR AVERAGE	1	-	1	21	23	31	8	6,000	-	400	-	6,855	400	22	238	-	-	6,000	
TOTAL OR AVERAGE, MINING:	-	-	-	1	1	1	-	-	-	-	18	-	-	18	-	18	18	6,000	
ELECTRICAL	-	-	-	1	1	1	-	-	-	-	68	-	-	68	-	17	17	6,000	
EXPLODING VESSEL	1	-	-	4	4	4	3	6,000	-	-	-	20	-	-	20	-	7	7	6,000
UNDER PRESSURE	-	-	-	3	3	3	2	-	-	-	152	-	-	152	-	19	19	6,000	
HANDLING MATERIAL	-	-	-	8	8	8	2	-	-	-	216	-	-	216	-	43	43	6,000	
HAND TOOL	-	-	-	5	5	5	8	-	-	-	103	-	-	103	-	21	21	6,000	
POWERED HAULAGE	-	-	-	1	1	1	1	-	-	-	14	-	-	14	-	14	14	6,000	
MACHINERY	-	-	-	5	5	5	1	-	-	-	591	-	-	591	-	22	22	6,000	
SLIP OR FALL OF PERSON	-	-	-	1	1	1	13	-	-	-	15	-	-	15	-	8	8	6,000	
OTHER INJURIES	-	-	-	27	28	29	42	6,000	-	400	-	6,991	400	22	241	-	-	6,000	
TOTAL OR AVERAGE	1	-	1	27	28	29	42	6,000	-	400	-	6,991	400	22	241	-	-	6,000	
PROCESSING PLANTS:	-	-	-	2	2	2	-	-	-	-	15	-	-	15	-	8	8	6,000	
ELECTRICAL	-	-	-	13	13	13	9	-	-	-	170	-	-	170	-	13	13	6,000	
HANDLING MATERIAL	-	-	-	1	1	1	5	-	-	-	101	-	-	101	-	1	1	6,000	
HAND TOOL	-	-	-	1	1	1	2	-	-	-	16	-	-	16	-	16	16	6,000	
POWERED HAULAGE	-	-	-	1	1	1	19	-	-	-	26	-	-	26	-	3	3	6,000	
MACHINERY	2	-	-	9	11	11	30	12,000	-	-	-	280	-	-	280	-	40	40	6,000
SLIP OR FALL OF PERSON	-	-	-	7	7	7	5	-	-	-	7	-	-	7	-	7	7	6,000	
STRUCK OR RAMPING	-	-	-	1	1	1	2	-	-	-	1	-	-	1	-	1	1	6,000	
OTHER INJURIES	-	-	-	1	1	1	-	-	-	-	516	-	-	516	-	15	15	6,000	
TOTAL OR AVERAGE	2	-	1	35	36	38	42	12,000	-	100	-	12,615	100	15	332	-	-	6,000	

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL				TOTAL	PARTIAL	TOTAL					
TOTAL OR AVERAGE	-	-	3	3	3	3	-	-	-	33	33	-	11	11	
ALL MINES AND PLANTS:	-	-	-	-	-	-	6,000	-	-	-	6,000	-	-	6,000	
ELECTRICAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EXPLODING VESSEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNDER PRESSURE	1	-	17	17	1	29	-	-	-	238	238	-	14	14	
HANDLING MATERIAL	-	-	4	5	14	12	-	-	100	21	121	100	5	24	
HAND TOOL	-	-	9	9	3	12	-	-	-	168	168	-	19	19	
POWERED HAULAGE	-	-	14	15	21	38	12,000	-	400	242	642	400	17	744	
MACHINERY	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
SLIP OR FALL OF PERSON	-	-	12	12	7	19	-	-	-	383	383	-	32	32	
STRIKING OR BUMPING	-	-	1	1	2	3	-	-	-	7	7	-	7	7	
OTHER INJURIES	-	-	2	2	1	3	-	-	-	15	15	-	8	8	
TOTAL OR AVERAGE	3	-	62	64	67	122	18,000	-	500	1,107	1,607	250	18	253	
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HANDLING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GRAND TOTAL OR AVERAGE:	-	-	3	3	3	3	-	-	-	33	33	-	11	11	
ELECTRICAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EXPLODING VESSEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNDER PRESSURE	1	-	17	17	1	30	6,000	-	-	238	238	-	14	14	
HANDLING MATERIAL	-	-	4	5	14	12	-	-	100	21	121	100	5	24	
HAND TOOL	-	-	9	9	3	12	-	-	-	168	168	-	19	19	
POWERED HAULAGE	-	-	14	15	21	38	12,000	-	400	242	642	400	17	744	
MACHINERY	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
SLIP OR FALL OF PERSON	-	-	12	12	7	19	-	-	-	383	383	-	32	32	
STRIKING OR BUMPING	-	-	1	1	2	3	-	-	-	7	7	-	7	7	
OTHER INJURIES	-	-	2	2	1	3	-	-	-	15	15	-	8	8	
TOTAL OR AVERAGE	3	-	62	64	67	123	18,000	-	500	1,107	1,607	250	18	253	

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TOTAL					TEMPO- RARY							
			TOTAL	PARTIAL											
									TOTAL	PARTIAL					
ELECTRICAL:															
HAND-----	-	-	1	1	1	1	-	-	-	10	10	-	10	10	
UPPER EXTREMITIES, NEC-----	-	-	1	1	1	1	-	-	-	18	18	-	18	18	
MULTIPLE PARTS OF BODY-----	-	-	1	1	1	1	-	-	-	5	5	-	5	5	
TOTAL OR AVERAGE-----	-	-	3	3	3	3	-	-	-	33	33	-	33	33	11
EXPLODING VESSEL UNDER PRESSURE:															
MULTIPLE PARTS OF BODY-----	1	-	-	-	1	1	6,000	-	-	-	6,000	-	-	6,000	
TOTAL OR AVERAGE-----	1	-	-	-	1	1	6,000	-	-	-	6,000	-	-	6,000	
HANDLING MATERIAL:															
EYE-----	-	-	2	2	2	2	-	-	-	2	2	-	2	2	1
HEAD, NEC-----	-	-	1	1	1	1	-	-	-	2	2	-	2	2	2
NECK-----	-	-	1	1	1	1	-	-	-	2	2	-	2	2	2
FOREARM-----	-	-	1	1	1	1	-	-	-	12	12	-	12	12	12
WRIST-----	-	-	1	1	1	1	-	-	-	58	58	-	58	58	19
HAND-----	-	-	1	1	1	1	-	-	-	3	3	-	3	3	3
FINGER(S)-----	-	-	3	3	3	3	-	-	-	30	30	-	30	30	10
UPPER EXTREMITIES, NEC-----	-	-	3	3	3	3	-	-	-	29	29	-	29	29	14
BACK-----	-	-	2	2	2	2	-	-	-	40	40	-	40	40	40
CHEST-----	-	-	1	1	1	1	-	-	-	17	17	-	17	17	17
LOWER LEG-----	-	-	1	1	1	1	-	-	-	26	26	-	26	26	26
ANKLE-----	-	-	1	1	1	1	-	-	-	19	19	-	19	19	19
FOOT-----	-	-	17	17	17	17	-	-	-	238	238	-	238	238	14
TOE(S)-----	-	-	1	1	1	1	-	-	-	1	1	-	1	1	1
LOWER EXTREMITIES, NEC-----	-	-	2	2	2	2	-	-	-	12	12	-	12	12	6
MULTIPLE PARTS OF BODY-----	-	-	1	1	1	1	-	-	-	100	100	-	100	100	100
TOTAL OR AVERAGE-----	-	-	17	17	17	17	-	-	-	8	8	-	8	8	8
HAND TOOL:															
EYE-----	-	-	1	1	1	1	-	-	-	1	1	-	1	1	1
FACE, NEC-----	-	-	1	1	1	1	-	-	-	1	1	-	1	1	1
FOREARM-----	-	-	2	2	2	2	-	-	-	12	12	-	12	12	6
WRIST-----	-	-	1	1	1	1	-	-	-	100	100	-	100	100	100
HAND-----	-	-	1	1	1	1	-	-	-	8	8	-	8	8	8
FINGER(S)-----	-	-	1	1	1	1	-	-	-	21	21	-	21	21	24
BACK-----	-	-	4	4	4	4	-	-	-	121	121	-	121	121	24
TOTAL OR AVERAGE-----	-	-	1	1	1	1	-	-	-	121	121	-	121	121	24

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS					AVERAGE SEVERITY						
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL				
		PERMANENT	TEMPORARY	TOTAL NFDL				TOTAL	PARTIAL	TOTAL NFDL								
POWERED HAULAGE:																		
HEAD, NEC	-	-	-	-	1	2	-	-	-	1	12	-	1	12	-	1	12	-
FINGER(S)	-	-	1	1	1	1	-	-	-	12	31	-	16	16	-	16	16	-
BACK	-	-	2	2	2	3	-	-	-	31	16	-	16	16	-	74	74	-
TRUNK, NEC	-	-	1	1	1	1	-	-	-	74	10	-	22	22	-	22	22	-
KNEE	-	-	-	-	-	-	-	-	-	10	10	-	2	2	-	2	2	-
ANKLE	-	-	1	1	1	1	-	-	-	2	2	-	2	2	-	19	19	-
TOE(S)	-	-	1	1	1	1	-	-	-	168	168	-	168	168	-	7	7	-
LOWER EXTREMITIES, NEC	-	-	1	1	1	1	-	-	-	400	422	-	400	422	-	11	11	-
MULTIPLE PARTS OF BODY	-	-	1	1	1	1	-	-	-	2	2	-	2	2	-	6	6	-
TOTAL OR AVERAGE	-	-	9	9	9	12	-	-	-	7	7	-	7	7	-	22	211	-
MACHINERY:																		
EYE	-	-	-	-	5	20	-	-	-	7	7	-	7	7	-	1	1	-
NOSE	-	-	1	1	1	1	-	-	-	11	11	-	11	11	-	11	11	-
HEAD, NEC	-	-	1	1	1	1	-	-	-	6	6	-	6	6	-	6	6	-
FOREARM	-	-	1	1	1	1	-	-	-	22	22	-	22	22	-	22	22	-
HAND	-	-	1	1	2	2	-	-	-	120	120	-	120	120	-	60	60	-
FINGER(S)	-	-	2	2	2	2	-	-	-	2	2	-	2	2	-	2	2	-
UPPER EXTREMITIES, NEC	-	-	1	1	1	1	-	-	-	73	73	-	73	73	-	36	36	-
BACK	-	-	1	1	1	2	-	-	-	1	1	-	1	1	-	1	1	-
SHOULDER(S)	-	-	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
TRUNK, NEC	-	-	1	1	2	2	-	-	-	12,000	12,000	-	12,000	12,000	-	5,000	5,000	-
FOOT	-	-	1	1	1	1	-	-	-	400	400	-	400	400	-	17	17	-
BODY SYSTEMS	2	-	-	-	-	2	-	12,000	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	2	-	1	1	15	38	21	12,000	-	242	542	-	400	12,642	-	744	744	-
TOTAL OR AVERAGE	-	-	14	15	17	21	-	-	-	10	10	-	10	10	-	10	10	-
SLIP OR FALL OF PERSON:																		
EYE	-	-	-	-	1	1	-	-	-	62	62	-	62	62	-	62	62	-
ELBOW	-	-	1	1	1	2	-	-	-	4	4	-	4	4	-	4	4	-
UPPER EXTREMITIES, NEC	-	-	1	1	1	1	-	-	-	55	55	-	55	55	-	55	55	-
ABDOMEN	-	-	2	2	2	2	-	-	-	55	55	-	55	55	-	55	55	-
BACK	-	-	1	1	1	1	-	-	-	23	23	-	23	23	-	23	23	-
CHEST	-	-	1	1	1	1	-	-	-	80	80	-	80	80	-	80	80	-
PELVIC REGION	-	-	1	1	1	1	-	-	-	28	28	-	28	28	-	28	28	-
TRUNK, NEC	-	-	2	2	2	3	-	-	-	66	66	-	66	66	-	66	66	-
THIGH	-	-	2	2	2	4	-	-	-	383	383	-	383	383	-	32	32	-
KNEE	-	-	2	2	2	7	-	-	-	-	-	-	-	-	-	-	-	-
LOWER LEG	-	-	2	2	2	19	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	12	12	12	7	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	12	12	12	19	-	-	-	-	-	-	-	-	-	-	-	-
STRIKING OR BUMPING:																		
UPPER EXTREMITIES, NEC	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	1	1	1	1	-	-	-	7	7	-	7	7	-	7	7	-
LOWER EXTREMITIES, NEC	-	-	1	1	1	3	-	-	-	7	7	-	7	7	-	7	7	-
TOTAL OR AVERAGE	-	-	1	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 19. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFDL	PERMANENT	TEMPO- RARY					TOTAL NFDL
OTHER INJURIES:																
EYE	-	-	-	2	2	1	3	-	-	-	-	15	-	-	15	8
TOTAL OR AVERAGE	-	-	-	2	2	1	3	-	-	-	-	15	-	-	15	8
TOTAL OR AVERAGE	-	-	-	2	2	1	3	-	-	-	-	15	-	-	15	8
NOSE	-	-	-	11	11	17	28	-	-	-	-	35	-	-	35	3
FACE, NEC.	-	-	-	2	2	1	3	-	-	-	-	12	-	-	12	6
HEAD, NEC.	-	-	-	2	2	1	3	-	-	-	-	62	-	-	62	62
NECK	-	-	-	2	2	1	3	-	-	-	-	8	-	-	8	4
ELBOW	-	-	-	2	2	1	3	-	-	-	-	22	-	-	22	11
FOREARM	-	-	-	2	2	1	3	-	-	-	-	21	-	-	21	18
Wrist	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
HAND	-	-	-	2	2	1	3	-	-	-	-	500	-	-	500	10
FINGER(S)	-	-	-	2	2	1	3	-	-	-	-	21	-	-	21	4
UPPER EXTREMITIES, NEC.	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
ABDOMEN	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
BACK	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
CHEST	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
PELVIC REGION	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
SHOULDER(S)	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
TRUNK, NEC.	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
THIGH	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
KNEE	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
LOWER LEG	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
ANKLE	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
FOOT	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
TOE(S)	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
LOWER EXTREMITIES, NEC.	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
BODY SYSTEMS	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
MULTIPLE PARTS OF BODY	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24
TOTAL OR AVERAGE	-	-	-	2	2	1	3	-	-	-	-	244	-	-	244	24

TABLE 20. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

ACCIDENT CLASSIFICATION AND NATURE OF INJURY		NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
		FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
			TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFDL	PERMANENT	PARTIAL				
ELECTRICAL: BURN/SCALD (NOT CHEM.) RADIATION/ULTRA VIOLET SCRATCH/ABRASION TOTAL OR AVERAGE	- - - - -	- - - - -	1 1 1 3 -	1 1 1 3 -	1 1 1 3 -	- - - - -	1 1 1 3 -	- - - - -	5 18 10 33 -	5 18 10 33 -	5 18 10 33 -	5 18 10 33 -	5 18 10 33 -	5 18 10 33 -	5 18 10 33 -	
EXPLODING VESSEL UNDER PRESSURE: MULTIPLE INJURIES TOTAL OR AVERAGE	1 1 - -	- - - -	- - - -	- - - -	- - - -	- - - -	1 1 - -	6,000 6,000 - -	- - - -	- - - -	- - - -	6,000 6,000 - -	- - - -	- - - -	- - - -	6,000 6,000 - -
HANDLING MATERIAL: BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - -	- - - - - - - - - -	2 2 2 2 2 4 - 17 -	2 2 2 2 2 4 - 17 -	2 2 2 2 2 4 - 17 -	- - - - - - - - -	2 2 2 2 2 4 - 13 30	- - - - - - - - -	15 13 3 66 66 75 - 238	15 13 3 66 66 75 - 238	15 13 3 66 66 75 - 238	15 13 3 66 66 75 - 238	15 13 3 66 66 75 - 238	8 6 2 33 13 15 - 14	8 6 2 33 13 15 - 14	
HAND TOOL: AMPUTATION/ENCASTRATION CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE	- - - - - - - - -	- - - - - - - - -	- 1 1 - 2 1 1 4 -	- 1 1 - 2 1 1 1 5	- 1 1 - 2 1 1 1 5	- - - - - - - - -	1 1 3 4 2 2 1 14	- - - - - - - -	100 1 - - 14 6 - 121	100 1 - - 14 6 - 121	100 1 - - 14 6 - 121	100 1 - - 14 6 - 121	100 1 - - 14 6 - 121	- 1 - - 7 6 - 5	- 1 - - 7 6 - 5	
POWERED HULLAGE: CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - -	- - - - - - -	- 1 2 2 1 3 9	- 1 2 2 1 3 9	- 1 2 2 1 3 9	- - - - - - -	2 2 2 2 4 3 12	- - - - - - -	16 23 86 20 23 168	16 23 86 20 23 168	16 23 86 20 23 168	16 23 86 20 23 168	16 23 86 20 23 168	16 12 43 20 8 19	16 12 43 20 8 19	

TABLE 20. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY										
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL									
		TOTAL	PERMANENT	PARTIAL				TOTAL	TEMPO- RARY	TOTAL NFIL													
MACHINERY: AMPUTATION/ENGULFMENT----- BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DUST IN EYE----- FRACTURE----- POISONING (SYSTEMIC)----- RADIATION/ULTRA VIOLET----- SCALD/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	-	-	1	-	1	-	-	-	400	-	-	400	-	-	400	-	-	400	6	5			
SLIP OR FALL OF PERSON: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STRIKING OR BUMPING: CUT OR PUNCTURE----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURIES: CUT OR PUNCTURE----- DUST IN EYE----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 20 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY
AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	TEMPORARY				TOTAL	TOTAL NFDL						
-	2	-	-	2	2	-	500	-	500	500	250	-	250		
-	-	-	-	4	4	-	-	-	26	26	-	6	6		
-	-	-	-	11	11	-	-	-	51	51	-	13	13		
1	-	-	-	25	25	6,000	-	-	127	127	-	14	14		
-	-	-	-	4	4	-	-	-	17	17	-	6	6		
-	-	-	-	13	13	-	-	-	366	366	-	41	41		
-	-	-	-	14	14	-	-	-	23	23	-	5	5		
-	-	-	-	16	16	-	-	-	10	10	-	10	10		
-	-	-	-	18	18	-	-	-	332	332	-	24	24		
-	-	-	-	13	13	12,000	-	-	33	33	-	16	16		
2	-	-	-	11	11	-	-	-	54	54	-	11	11		
3	-	2	62	64	67	18,000	-	500	1,107	1,607	250	18	253		
TOTAL OR AVERAGE															
AMPUTATION/ENDELEMENT															
BURN/SCALD (NOT CHEM.)															
CHEMICAL BURN															
CONTUSION OR BRUISE															
CUT OR PUNCTURE															
DUST IN EYE															
FRACTURE															
POISONING (SYSTEMIC)															
RADIATION/ULTRA VIOLET															
SCRAATCH/ABRASION															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
UNCLASSIFIED (NO DATA)															

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT CONTRACTOR NONMETALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING, SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTRAUMATIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
		NO **	OCCUPATIONAL *****	ILLNESSES *****	REPORTED *****	FOR ***	1989 *****	

TABLE 22 - RELATED NONCOAL MINING SUMMARY REFERENCE TABULATION. NUMBER OF INJURIES, INCIDENCE RATES, AVERAGE NUMBER OF WORKERS, AND EMPLOYEE-HOURS BY MINERAL INDUSTRY AND WORK LOCATION, 1989
(CONTRACTOR DATA)

WORK LOCATION AND MINERAL INDUSTRY	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE	NGL	NGL INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED
UNDERGROUND MINES:										
METAL-----	1		53		32		66			
NONMETAL-----	-		6		5		11			
STONE-----	-		1		1		2			
TOTAL, UNDERGROUND MINES-----	1	.09	60	5.20	38	3.29	99	8.57	3,076	2,309,341
SURFACE MINES:										
METAL-----	2		127		97		226			
NONMETAL-----	1		22		3		25			
STONE-----	2		53		24		79			
SUBTOTAL, SURFACE MINES-----	5		202		129		336			
SAND AND GRAVEL-----	1	.07	17	2.73	14	1.78	32	4.59	13,115	16,026,741
TOTAL, SURFACE MINES-----	6	.07	219	3.04	143	1.97	368	5.09	16,191	18,336,082
TOTAL, MINES-----	7	.08	279		181		467			
MILLS:										
METAL-----	-		232		155		378			
NONMETAL-----	2		86		42		80			
STONE-----	2	.08	126	7.36	59	4.91	187	12.37	8,685	10,431,368
TOTAL, MILLS-----	4		385		256		645			
INDEPENDENT SHOPS AND YARDS:										
METAL-----	-		-		-		-			
NONMETAL-----	-		-		-		-			
STONE-----	-		-		-		-			
TOTAL, SHOPS AND YARDS-----	-		-		-		-		2	736
ALL MINES, MILLS AND SHOPS:										
METAL-----	3		403		284		690			
NONMETAL-----	3		184		55		222			
STONE-----	4		180		84		266			
SUBTOTAL-----	10		647		423		1,080			
SAND AND GRAVEL-----	1	.08	17	4.62	14	3.04	32	7.73	24,878	28,758,206
TOTAL, MINES/MILLS/SHOPS-----	11	.08	664		437		1,112			
OFFICEWORKERS:										
METAL-----	-		12		8		20			
NONMETAL-----	-		-		2		1			
STONE-----	-		-		-		2			
SAND AND GRAVEL-----	-		-	1.51	-	1.38	-	2.90	1,340	1,568,753
TOTAL, OFFICEWORKERS-----	-		12		11		23			
SUMMARY TOTAL (INCLUDES OFFICEWORKERS):										
METAL-----	3		415		292		710			
NONMETAL-----	3		64		56		123			
STONE-----	4		180		86		270			
SUBTOTAL-----	10		659		434		1,103			
SAND AND GRAVEL-----	1	.07	17	4.45	14	2.95	32	7.48	26,218	30,356,959
GRAND TOTAL-----	11	.07	676		448		1,135			

TABLE 23 - RELATED COAL MINING SUMMARY REFERENCE TABULATION, NUMBER OF INJURIES, INCIDENCE RATES, AVERAGE NUMBER OF WORKERS, EMPLOYEE-HOURS AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION, 1989
(CONTRACTOR DATA)

TYPE OF COAL AND WORK LOCATION	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE	NDL	NDL INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED	PRODUCTION REPORTED (SHORT TONS)
BITUMINOUS COAL:											
UNDERGROUND MINES:											
SURFACE:	1	.07	50	9.38	18	2.62	68	1.98	1,276,715	258,553	
TOTAL, UNDERGROUND MINES:	1	.05	34	2.30	24	1.88	58	1.01	3,045,507	258,553	
SURFACE MINES:											
STRIP MINES:	3	.06	94	4.39	42	1.94	136	4.24	4,124,332		
AUGER MINES:											
OTHER SURFACE MINES:			123	2.41	84	1.62	207	3.89	10,555,599	2,030,302	
TOTAL, SURFACE MINES:	3	.06	3	1.62	2	1.00	5	1.56	18,724,6	480,772	
TOTAL, SURFACE MINING:	3	.06	126	2.41	86	1.62	215	4.24	46,155	419,339	
PREPARATION PLANTS:	4	.10	220	3.31	128	1.88	348	3.89	13,886,473	2,940,813	
INDEPENDENT SHOPS/YARDS:	2	.10	110	4.66	42	1.94	152	3.52	13,212,813	3,155,366	
TOTAL, OTHER OPERATIONS:	2	.10	111	4.66	43	1.94	153	3.52	6,662,412		
TOTAL, BITUMINOUS MINING:	6	.06	331	5.59	173	1.80	504	12.89	3,988,867		
PENNSYLVANIA ANTHRACITE COAL:											
UNDERGROUND MINES:											
SURFACE:											
TOTAL, UNDERGROUND MINES:											
SURFACE MINES:											
STRIP MINES:											
AUGER MINES:											
CULM BANK:											
DREDGE:											
TOTAL, SURFACE MINES:											
TOTAL, SURFACE MINING:											
PREPARATION PLANTS:											
INDEPENDENT SHOPS/YARDS:											
TOTAL, OTHER OPERATIONS:											
TOTAL, ANTHRACITE MINING:											
ALL COAL:											
UNDERGROUND MINES:											
SURFACE:											
TOTAL, UNDERGROUND MINES:											
SURFACE MINES:											
STRIP MINES:											
AUGER MINES:											
CULM BANK:											
DREDGE:											
TOTAL, SURFACE MINES:											
TOTAL, SURFACE MINING:											
PREPARATION PLANTS:											
INDEPENDENT SHOPS/YARDS:											
TOTAL, OTHER OPERATIONS:											
TOTAL, ALL COAL:											
OFFICERWORKERS:											
BITUMINOUS:											
ANTHRACITE:											
TOTAL, OFFICERWORKERS:											
GRAND TOTAL:	6	.06	341	5.59	173	1.80	514	12.89	3,988,867		

-END-

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