Injury Experience in Coal Mining, 1989

Received by OSH

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

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

Information Report
IR 1196

1990

DEC 24 1990

IR--1196

DE91 005302

MASTER

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED
upz

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

CONTENTS

	<u>Page</u>
Abstract-----	1
Introduction-----	1
Scope of statistics-----	2
Definition of terms-----	3
Table reference guide-----	8

ILLUSTRATIONS

Figure 1. Scheduled charges in lost workdays for loss or loss of use involving hand or foot-----	9
Figure 2. Quarterly mine employment and coal production report form---	10
Figure 3. Mine accident, injury, and illness report form-----	11

TABLES FOR COAL OPERATIONS IN THE UNITED STATES, 1989 (OPERATOR DATA)

1. General statistics on injury experience, worktime, production, and productivity - (all coal)-----	12
1A. General statistics on injury experience, worktime, production, and productivity - (anthracite)-----	13
1B. General statistics on injury experience, worktime, production, and productivity - (bituminous)-----	14
2. Injury experience by degree, worktime, and production for work location - (all coal)-----	15
2A. Injury experience by degree, worktime, and production for work location - (anthracite)-----	16
2B. Injury experience by degree, worktime, and production for work location - (bituminous)-----	17
3. Number of injuries, lost workdays, and average severity by degree for work location - (all coal)-----	18
3A. Number of injuries, lost workdays, and average severity by degree for work location - (anthracite)-----	19
3B. Number of injuries, lost workdays, and average severity by degree for work location - (bituminous)-----	20
4. Injury experience by degree, worktime, and production for work location and employment size group - (all coal)-----	21
4A. Injury experience by degree, worktime, and production for work location and employment size group - (anthracite)-----	24
4B. Injury experience by degree, worktime, and production for work location and employment size group - (bituminous)-----	27
5. Number of injuries, lost workdays, and average severity by degree for work location and employment size group - (all coal)-----	30
5A. Number of injuries, lost workdays, and average severity by degree for work location and employment size group - (anthracite)-----	33
5B. Number of injuries, lost workdays, and average severity by degree for work location and employment size group - (bituminous)-----	36
6. Injury experience by degree, worktime, and production for work location and State - (all coal)-----	39
7. Number of injuries, lost workdays, and average severity by degree for work location and State - (all coal)-----	49
8. Number of injuries, incidence rates, and severity measures by degree for work location and part of body injured - (all coal)	57

TABLES FOR COAL OPERATIONS IN THE UNITED STATES, 1989 (OPERATOR DATA)
Continued

	<u>Page</u>
8A. Number of injuries, incidence rates, and severity measures by degree for work location and part of body injured - (anthracite)-----	69
8B. Number of injuries, incidence rates, and severity measures by degree for work location and part of body injured - (bituminous)-----	76
9. Number of injuries, lost workdays, and average severity by degree for work location and part of body injured - (all coal)-----	88
9A. Number of injuries, lost workdays, and average severity by degree for work location and part of body injured - (anthracite)-----	100
9B. Number of injuries, lost workdays, and average severity by degree for work location and part of body injured - (bituminous)-----	107
10. Number of injuries, incidence rates, and severity measures by degree for work location and nature of injury - (all coal)-----	119
10A. Number of injuries, incidence rates, and severity measures by degree for work location and nature of injury - (anthracite)---	126
10B. Number of injuries, incidence rates, and severity measures by degree for work location and nature of injury - (bituminous)---	130
11. Number of injuries, lost workdays, and average severity by degree for work location and nature of injury - (all coal)-----	137
11A. Number of injuries, lost workdays, and average severity by degree for work location and nature of injury - (anthracite)---	144
11B. Number of injuries, lost workdays, and average severity by degree for work location and nature of injury - (bituminous)---	148
12. Number of injuries, lost workdays, and average severity by degree for part of body injured and nature of injury - (all coal)-----	155
12A. Number of injuries, lost workdays, and average severity by degree for part of body injured and nature of injury - (anthracite)---	164
12B. Number of injuries, lost workdays, and average severity by degree for part of body injured and nature of injury - (bituminous)---	169
13. Number of injuries by accident classification and degree for work location and State - (all coal)-----	178
14. Number of lost workdays by accident classification and degree of injury for work location and State - (all coal)-----	194
15. Injury experience by degree, worktime, and production for work location and production size group - (all coal)-----	208
15A. Injury experience by degree, worktime, and production for work location and production size group - (anthracite)-----	210
15B. Injury experience by degree, worktime, and production for work location and production size group - (bituminous)-----	212
16. Number of injuries, lost workdays, and average severity by degree for work location and production size group - (all coal)-----	214
16A. Number of injuries, lost workdays, and average severity by degree for work location and production size group - (anthracite)-----	216
16B. Number of injuries, lost workdays, and average severity by degree for work location and production size group - (bituminous)-----	218
17. Number of injuries, lost workdays, and average severity by degree for work location and occupation at time of injury - (all coal)	220

TABLES FOR COAL OPERATIONS IN THE UNITED STATES, 1989 (OPERATOR DATA)--Continued

	<u>Page</u>
17A. Number of injuries, lost workdays, and average severity by degree for work location and occupation at time of injury - (anthracite)-----	227
17B. Number of injuries, lost workdays, and average severity by degree for work location and occupation at time of injury - (bituminous)-----	230
18. Number of injuries, lost workdays, and average severity by degree for work location and accident classification - (all coal)-----	237
18A. Number of injuries, lost workdays, and average severity by degree for work location and accident classification - (anthracite)-----	245
18B. Number of injuries, lost workdays, and average severity by degree for work location and accident classification - (bituminous)-----	248
19. Number of injuries, lost workdays, and average severity by degree for accident classification and part of body - (all coal)-----	256
19A. Number of injuries, lost workdays, and average severity by degree for accident classification and part of body - (anthracite)-----	268
19B. Number of injuries, lost workdays, and average severity by degree for accident classification and part of body - (bituminous)-----	272
20. Number of injuries, lost workdays, and average severity by degree for accident classification and nature of injury - (all coal)----	284
20A. Number of injuries, lost workdays, and average severity by degree for accident classification and nature of injury - (anthracite)--	291
20B. Number of injuries, lost workdays, and average severity by degree for accident classification and nature of injury - (bituminous)--	294
21. Occurrences reported to MSHA as occupational illnesses - (all coal)-----	301
21A. Occurrences reported to MSHA as occupational illnesses - (anthracite)-----	304
21B. Occurrences reported to MSHA as occupational illnesses - (bituminous)-----	305
22. 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-----	308
23. Related noncoal mining summary reference tabulation, number of injuries, incidence rates, average number of workers, and employee-hours by work location and mineral industry-----	309

	<u>Page</u>
Table reference guide (contractor data)-----	312
TABLES FOR COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTRACTOR DATA)	
1. General statistics on injury experience, worktime, and production---	314
2. Injury experience by degree, worktime, and production for work location-----	315
3. Number of injuries, lost workdays, and average severity by degree for work location-----	316
4. Injury experience by degree, worktime, and production for work location and employment size group-----	317
5. Number of injuries, lost workdays, and average severity by degree for work location and employment size group-----	320
7. Number of injuries, lost workdays, and average severity by degree for work location and State-----	323
8. Number of injuries, incidence rates, and severity measures by degree for work location and part of body injured-----	329
9. Number of injuries, lost workdays, and average severity by degree for work location and part of body injured-----	337
10. Number of injuries, incidence rates, and severity measures by degree for work location and nature of injury-----	345
11. Number of injuries, lost workdays, and average severity by degree for work location and nature of injury-----	351
12. Number of injuries, lost workdays, and average severity by degree for part of body and nature of injury-----	357
13. Number of injuries by accident classification and degree for work location and State-----	363
14. Number of lost workdays by accident classification and degree of injury for work location and State-----	373
17. Number of injuries, lost workdays, and average severity by degree for work location and occupation at time of injury-----	383
18. Number of injuries, lost workdays, and average severity by degree for work location and accident classification-----	387
19. Number of injuries, lost workdays, and average severity by degree for accident classification and part of body injured-----	393
20. Number of injuries, lost workdays, and average severity by degree for accident classification and nature of injury-----	398
21. Occurrences reported to MSHA as occupational illnesses-----	402
22. 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-----	403
23. Related noncoal mining summary reference tabulation, number of injuries, incidence rates, average number of workers, and employee-hours by mineral industry and work location-----	404

INJURY EXPERIENCE IN COAL MINING, 1989

by

Staff, Division of Mining Information Systems

Safety and Health Technology Center ^{1/}

ABSTRACT

This Mine Safety and Health Administration (MSHA) informational report reviews in detail the occupational injury and illness experience of coal mining 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 anthracite or bituminous coal. 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 between coal mining and the metal and nonmetal mineral mining industries, 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 coal mines and preparation plants on a mandatory basis as required under the Federal Mine Safety and Health Act of 1977, Public Law 91-173 as amended by Public 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.

^{1/} Technical Support, Denver, Colorado.

Occurrences identified as occupational illnesses by mine operators were reported to MSHA and processed in accordance with 30 CFR Part 50.20-6. The reported illnesses are summarized in seven categories for each work location, kind of coal, 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.

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 report.

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 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 any 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 must result 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 can 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; 2,036 contractors in the coal mining industry reported to MSHA in 1989. Contractor data are depicted separately in this report.

Worktime.--Worktime includes number of workers and 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.

Production Size Group.--Reporting operations are classified into production size groups according to the number of short tons of coal produced.

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:

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

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. 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.

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

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.

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> <u>2/</u>
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. With the exception of tables 6, 7, 13, 14, 22, and 23, all remaining tables are followed by additional tables (A and B) which divide the information into anthracite (e.g., table 1A) and bituminous (e.g., table 1B).

REFERENCE GUIDE TO COAL 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	Coal production (short tons)	Accident classification	Injuries per million tons	Lost workdays per million tons	Tons per employee-hour
Prior year data with and without office ^{1/}	1	1	1		1	1	1	1	1	1		1	1	1
Work location	2	2	2			2	2	2	2	2				
	3			3	3									
	4	4	4			4	4	4	4	4				
	5			5	5									
	6	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	15	15	15	15		15	15	
	16			16	16									
	17			17	17									
	18			18	18									
	22	22				22	22			22				21
	23	23				23	23							
Employment size group	4	4	4			4	4	4	4	4				
State	5			5	5									
	6	6	6			6	6	6	6	6				
	7			7	7									
	13										13			
Part of body injured				14							14			
														21
	8	8	8											
	9			9	9									
Nature of injury	12			12	12									
	19			19	19									
	10	10	10											
	11			11	11									
Production size group	12			12	12									
	20			20	20									
	15					15	15	15	15	15		15	15	
	16			16	16									
Occupation at time of injury	17			17	17									
Accident classification	18			18	18									
	19			19	19									
	20			20	20									
	22	22				22	22			22				
Type of coal	23	23				23	23							
Mineral industry														

^{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.

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

Quarterly Mine Employment
and Coal Production Report

OMB Number 1219-0008; Approval Expires July 31, 1998

Do Not Write in This Space

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 or other mine, and assessment of a civil penalty under 30 U.S.C. § 820(a). An individual who, being subject to the Federal Mine Safety and Health Act, knowingly makes a false statement in any report can be punished by a fine 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 statement, or omits any material fact, or makes a false, fictitious, or fraudulent entry, with respect to any matter which is 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 80225

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.
Do not use for any other operation.
4. Send 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.
5. 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.
6. 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

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	4 Underground	01			
Surface Mine (including shops and yards)	Surface Shops, Yards, Etc.	02			
	Strip, Open Pit, or Quarry	03			
	Auger (Coal Mine Only)	04			
	Culm Bank or Refuse Pile (Coal Mine Only)	06			
	Dredge	06			
	Other Surface Mining (Metal/Nonmetal Only)	12			
	Independent Shops or Yards	17			
	Mill Operations, Preparation Plant, or Breaker (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?					
Person to be contacted regarding this report					
Name Title Phone (incl. Area Code)					

MSHA Form 7000-2, May 85 (Revised)

Return To MSHA

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. 1219-0007, Expires June 30, 1988

Section A—Identification Data			
MSHA ID Number		Contractor ID	
Report Category		☐ Metal/Nonmetal Mining ☐ Coal Mining	
Mine Name		☐ Check here if report pertains to contractor.	
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	
		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: 02 Surface at Underground Mine 03 Mill, Preparation Plant, etc. 04 Strip/Open Pit Mine 05 Surface Auger Operation			
06 Culm Bank/Refuse Pile 07 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	
		☐ Male ☐ Female	
		15. Date of Birth	
		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 Dust Diseases of the Lungs 25 Respiratory Conditions (toxic agents) 26 Poisoning (toxic materials)	
		27 Disorders (physical agents) 28 Disorders (repeated trauma) 29 Other	
24. Employee's Work Activity When Injury or Illness Occurred		Experience	
		Years Weeks	
		25. Experience in This Job Title	
		26. Experience at This Mine	
		27. Total Mining Experience	
Section D—Return to Duty Information			
28. Permanently Transferred or Terminated (if checked, complete items 29, 30, & 31)			
29. Date Returned to Regular Job at Full Capacity (for item 28)		30. Number of Days Away from Work (if none, enter 0)	
Month Day Year		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 Charge _____

Keyword _____

MAIL THIS PAGE TO THE HEALTH AND SAFETY ANALYSIS CENTER, MINE SAFETY AND HEALTH ADMINISTRATION, P.O. BOX 25367, DENVER, COLORADO 80225

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

TABLE 1. - GENERAL STATISTICS ON INJURY EXPERIENCE, WORKTIME, PRODUCTION, AND PRODUCTIVITY AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989

	EXCLUDING OFFICEMAKERS					INCLUDING OFFICEMAKERS				
	1985	1986	1987	1988	1989	1985	1986	1987	1988	1989
NUMBER OF INJURIES:										
FATAL	63	84	58	43	62	63	84	58	43	62
NFDL	2,775	9,151	12,063	12,187	11,634	8,784	9,165	12,079	12,200	11,659
TOTAL LWD INJURIES	8,838	9,235	12,121	12,230	11,696	8,847	9,249	12,137	12,243	11,771
NOL	2,443	2,686	4,016	3,974	3,826	2,454	2,696	4,043	3,843	3,842
TOTAL INJURIES	11,281	11,921	16,139	16,204	15,522	11,301	11,945	16,180	16,226	15,563
INCIDENT RATES:										
FATAL	.04	.05	.04	.03	.05	.04	.05	.04	.03	.04
NFDL	5.38	5.99	8.46	8.94	8.72	5.12	5.70	8.05	8.50	8.30
ALL LWD INJURIES	5.42	6.04	8.50	8.97	8.77	5.15	5.75	8.09	8.53	8.35
NOL	1.50	1.76	2.82	2.92	2.87	1.43	1.68	2.59	2.78	2.74
ALL INJURIES	6.91	7.80	11.31	11.89	11.63	6.58	7.43	10.78	11.31	11.08
INJURIES PER MILLION TONS:										
FATAL	.07	.10	.06	.05	.06	.07	.10	.06	.05	.06
NFDL	10.24	11.50	13.43	12.98	12.01	10.25	10.52	13.45	12.99	12.04
ALL LWD INJURIES	10.31	11.60	13.50	13.02	12.08	10.32	10.62	13.51	13.04	12.10
NOL	2.85	3.18	4.47	4.23	3.95	2.86	3.09	4.50	4.24	3.97
ALL INJURIES	13.16	13.68	17.97	17.26	16.03	13.18	13.71	18.02	17.28	16.07
SEVERITY MEASURES:										
FATAL	232	330	244	189	279	220	314	232	180	265
NFDL	311	251	312	332	303	295	239	297	316	289
ALL LWD INJURIES	542	581	556	521	582	515	552	529	495	554
LOST WORKDAYS PER MILLION TONS:										
FATAL	441	575	387	275	384	441	578	387	275	384
NFDL	591	440	496	481	418	591	441	497	482	419
ALL LWD INJURIES	1,032	1,019	883	756	802	1,032	1,019	884	757	803
AVERAGE SEVERITY:										
PERMANENT PARTIAL	264	284	296	268	266	264	283	295	268	265
TEMPORARY NFDL	42	34	32	32	42	42	34	32	32	30
ALL LWD INJURIES	100	95	65	58	66	100	96	65	58	66
AVERAGE NUMBER OF EMPLOYEES:										
EMPLOYEE-HOURS WORKED	173,916	153,331	150,890	143,273	137,730	183,373	172,236	158,594	151,145	145,407
PRODUCTION (SHORT TONS)	326,301,460	305,557,040	285,339,270	272,639,612	266,644,685	343,377,266	321,530,196	300,167,267	286,906,684	280,877,140
TONS PER EMPLOYEE-HOUR	857,240,435	871,254,371	898,071,062	939,014,695	968,551,488	857,240,435	871,254,371	898,071,062	939,014,695	968,551,488
OPERATIONS REPORTED	2,63	2,85	3,15	3,44	3,63	2,50	2,71	2,99	3,27	3,45
NUMBER OF OPERATIONS	5,224	5,087	4,895	4,639	4,375	5,256	5,115	4,918	4,674	4,414
ASSOCIATED WORK LOCATIONS	1,862	1,858	1,875	1,748	1,705	3,495	3,471	3,443	3,299	3,226

TABLE 1A - GENERAL STATISTICS ON INJURY EXPERIENCE, WORKTIME, PRODUCTION, AND PRODUCTIVITY AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1989

	EXCLUDING OFFICEMEN					INCLUDING OFFICEMEN				
	1985	1986	1987	1988	1989	1985	1986	1987	1988	1989
NUMBER OF INJURIES:										
FATAL	8	4	1	1	1	6	4	4	1	1
NFDL	159	156	146	146	177	159	166	146	146	177
TOTAL LHD INJURIES	167	170	147	147	178	165	170	147	147	178
NDL	21	13	17	26	50	21	13	17	27	60
TOTAL INJURIES	188	183	163	173	238	186	183	163	174	238
INCIDENT RATES:										
FATAL	39	18	1	05	06	37	17	7	06	06
NFDL	7.78	7.35	7.37	8.60	10.43	7.34	8.66	7.58	8.16	9.93
ALL LHD INJURIES	8.17	7.52	7.37	8.66	10.49	7.71	8.66	7.58	8.22	9.99
NDL	1.03	58	53	1.53	3.54	1.37	54	1.88	1.51	3.37
ALL INJURIES	9.20	8.10	8.90	10.19	14.03	8.58	9.57	8.46	9.73	13.36
INJURIES PER MILLION TONS:										
FATAL	2.12	1.04	1	33	33	2.12	1.04	1	33	33
NFDL	42.23	43.30	44.47	47.50	57.80	42.23	43.30	44.47	47.50	57.80
ALL LHD INJURIES	44.35	44.34	44.47	47.50	58.13	44.35	44.34	44.47	47.50	58.13
NDL	5.58	3.39	5.16	5.46	19.59	5.58	3.39	5.16	5.79	19.59
ALL INJURIES	49.93	47.73	49.65	56.31	77.72	49.93	47.73	49.65	56.63	77.72
SEVERITY MEASURES:										
FATAL	2.348	1.082	1	353	354	2.348	1.082	1	335	337
NFDL	595	394	589	435	432	477	373	569	280	411
ALL LHD INJURIES	2.853	1.456	589	543	786	2.853	1.456	560	615	748
LOST WORKDAYS PER MILLION TONS:										
FATAL	12.748	5.280	1	1,953	1,959	12.748	5,280	1	1,953	1,959
NFDL	2,742	2,320	3,285	1,623	2,394	2,742	2,320	3,285	1,929	2,394
ALL LHD INJURIES	15.491	3,580	3,286	3,582	4,353	15.491	3,580	3,286	3,582	4,353
AVERAGE SEVERITY:										
PERMANENT PARTIAL	50	525	4,500	50	97	50	525	4,500	50	87
TEMPORARY NFDL	55	42	43	34	40	55	42	43	34	40
ALL LHD INJURIES	349	193	74	183	75	349	183	74	75	75
AVERAGE NUMBER OF EMPLOYEES:										
EMPLOYEE-HOURS WORKED	2,642	2,841	2,373	2,281	2,120	2,642	2,841	2,493	2,352	2,234
PRODUCTION (SHORT TONS)	4,088,650	4,519,556	3,661,716	3,396,623	3,393,559	4,088,650	4,519,556	3,654,634	3,577,431	3,563,833
TONS PER EMPLOYEE-HOUR	3,765.177	3,833.684	3,283.274	3,072.423	3,062.090	3,765.177	3,833.684	3,283.274	3,072.423	3,062.090
OPERATIONS OF OPERATIONS	92	85	90	90	50	87	80	85	86	86
NUMBER OF OPERATIONS	282	310	278	271	246	282	310	278	272	251
ASSOCIATED WORK LOCATIONS	64	75	70	73	73	64	75	70	73	73

TABLE B. - GENERAL STATISTICS ON INJURY EXPERIENCE, WORKTIME, PRODUCTION, AND PRODUCTIVITY AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989

	EXCLUDING OFFICEMAKERS					INCLUDING OFFICEMAKERS				
	1985	1986	1987	1988	1989	1985	1986	1987	1988	1989
NUMBER OF INJURIES:										
FATAL	55	80	58	42	61	55	80	58	42	61
NFDL	8,616	8,985	11,917	12,041	11,457	8,625	8,999	11,933	12,054	11,482
TOTAL LWD INJURIES	8,671	9,065	11,975	12,083	11,518	8,680	9,079	11,991	12,096	11,543
NOL	2,422	2,673	4,001	3,948	3,766	2,433	2,683	4,026	3,956	3,782
TOTAL INJURIES	11,093	11,738	15,976	16,031	15,284	11,113	11,762	16,017	16,052	15,325
INCIDENT RATES:										
FATAL	.03	.05	.04	.03	.05	.03	.05	.04	.03	.04
NFDL	5.35	5.97	8.46	8.94	8.70	5.09	5.68	8.05	8.51	8.28
ALL LWD INJURIES	5.38	6.02	8.50	8.98	8.74	5.12	5.73	8.09	8.54	8.32
NOL	1.50	1.78	2.84	2.93	2.86	1.44	1.69	2.72	2.79	2.73
ALL INJURIES	6.89	7.80	11.34	11.91	11.60	6.56	7.43	10.81	11.33	11.05
INJURIES PER MILLION TONS:										
FATAL	.06	.09	.06	.04	.06	.06	.09	.06	.04	.06
NFDL	10.10	10.36	13.32	12.87	11.87	10.11	10.27	13.34	12.88	11.89
ALL LWD INJURIES	10.16	10.45	13.38	12.91	11.93	10.17	10.47	13.40	12.92	11.96
NOL	2.84	3.08	4.47	4.22	3.90	2.85	3.09	4.50	4.23	3.92
ALL INJURIES	13.00	13.53	17.85	17.13	15.83	13.02	13.56	17.90	17.15	15.87
SEVERITY MEASURES:										
FATAL	205	319	247	187	278	195	303	235	178	264
NFDL	308	249	309	332	302	293	237	294	316	287
ALL LWD INJURIES	513	568	556	519	580	488	540	529	494	551
LOST WORKDAYS PER MILLION TONS:										
FATAL	387	553	389	269	379	387	553	389	259	379
NFDL	581	432	486	478	412	582	432	486	478	413
ALL LWD INJURIES	968	985	875	747	791	968	986	875	747	792
AVERAGE SEVERITY:										
PERMANENT PARTIAL	266	279	277	272	272	266	278	275	272	271
TEMPORARY NFDL	41	34	32	32	30	41	34	32	32	30
ALL LWD INJURIES	95	94	65	56	55	95	94	65	58	66
AVERAGE NUMBER OF EMPLOYEES:										
EMPLOYEE-HOURS WORKED	171,274	160,490	148,517	140,992	135,610	180,583	169,249	155,501	148,753	143,173
PRODUCTION (SHORT TONS)	322,212,810	301,037,484	281,677,554	269,242,950	263,451,396	339,044,503	316,756,900	296,312,633	283,329,253	277,313,307
TONS PER EMPLOYEE-HOUR	853,475,258	867,420,687	894,787,788	935,942,272	965,489,398	853,475,258	867,420,687	894,787,788	935,942,272	965,489,398
OPERATIONS REPORTED	2,65	2.88	3.18	3.48	3.66	2.52	2.74	3.02	3.30	3.48
NUMBER OF OPERATIONS	4,942	4,777	4,617	4,368	4,129	4,974	4,805	4,639	4,402	4,163
ASSOCIATED WORK LOCATIONS	1,798	1,783	1,805	1,670	1,632	3,377	3,344	3,325	3,180	3,110

TABLE 2 - INJURY EXPERIENCE BY DEGREE, HOURS, AND PRODUCTION FOR WORK LOCATION AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION	NUMBER OF INJURIES										INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)
	FATAL	NFDL					TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL								
		PERMANENT	PARTIAL	TEMPORARY	TOTAL	TOTAL FATAL AND NFDL																
UNDERGROUND MINES:																						
UNDERGROUND SURFACE AT UNDERGROUND	42	-	130	8,349	8,479	2,129	.06	13.11	13.17	3.29	390	457	856	68,311	129,357,108	1,739	-	387,437,734				
TOTAL OR AVERAGE	2	-	9	534	543	219	.03	8.06	8.12	3.26	179	271	449	7,611	13,427,794	42	1,367	-				
SURFACE MINES:																						
STRIP	14	1	32	1,615	1,648	1,033	.03	3.66	3.69	2.29	167	120	306	44,629	90,060,325	1,665	-	575,723,701				
ALTER	-	-	-	20	20	15	-	5.76	5.76	4.32	-	193	193	699	694,616	90	68	3,704,348				
CULM BANK	-	-	-	15	15	6	-	5.44	5.44	2.17	-	134	134	376	551,763	57	2	1,409,437				
DREDGE	-	-	-	-	-	1	-	-	-	1.32	-	-	-	108	151,307	25	-	276,268				
TOTAL OR AVERAGE	14	1	32	1,650	1,683	1,055	.03	3.68	3.71	2.31	184	125	304	45,812	91,458,011	1,837	70	581,113,754				
SURFACE MINES:																						
TOTAL OR AVERAGE	58	1	171	10,533	10,705	3,403	.05	9.14	9.19	2.91	297	320	617	121,734	234,242,913	3,618	1,437	988,551,488				
MINING	-	-	-	48	48	32	-	5.12	5.12	3.41	-	161	161	1,043	1,876,095	87	-	-				
INDEPENDENT SHOPS	4	-	25	856	881	391	.03	5.73	5.76	2.55	156	185	341	14,953	30,725,677	670	268	-				
PROCESSING PLANTS:																						
TOTAL OR AVERAGE, ALL MINES AND PLANTS	62	1	196	11,437	11,634	3,826	.05	8.72	8.77	2.87	273	303	582	137,730	255,844,685	4,375	1,705	988,551,488				
OFFICE	-	-	1	24	25	16	-	.36	.36	.23	-	15	15	7,677	14,032,455	39	1,521	-				
GRAND TOTAL OR AVERAGE	62	1	197	11,461	11,659	3,842	.04	8.30	8.35	2.74	265	289	554	145,407	280,877,140	4,414	3,226	988,551,488				

TABLE 2A. - INJURY EXPERIENCE BY DEGREE, HOURS, AND PRODUCTION FOR WORK LOCATION AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)					
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJURIES	FATAL	NFDL						ALL FATAL AND NFDL				
		PERMANENT	PARTIAL	TOTAL																				
UNDERGROUND MINES:																								
UNDERGROUND SURFACE AT UNDERGROUND	1	-	-	22	1	22	22	2	6	28	1.43	9.93	2.86	2.71	12.64	8.572	214	214	330	442,919	78	-	486,599	
TOTAL OR AVERAGE	1	-	-	23	23	24	7	7	7	31	.34	7.89	8.23	2.40	10.64	2.059	172	2,231	438	582,904	78	64	486,599	
SURFACE MINES:																								
STRIP	-	3	-	52	-	52	24	-	24	76	-	8.87	8.87	4.09	12.97	-	353	353	724	1,172,247	75	-	1,835,253	
AUGER	-	-	-	8	8	8	2	-	2	10	-	6.40	6.40	1.60	8.00	-	225	225	154	250,117	27	-	738,088	
CULM BANK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	5,615	4	-	2,150	
DREDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, SURFACE MINES	-	3	3	60	50	50	26	-	26	86	-	8.40	8.40	3.64	12.04	-	329	329	885	1,427,979	106	-	2,575,491	
TOTAL OR AVERAGE, MINING	1	3	3	83	84	84	33	10	33	117	.10	8.26	8.35	3.28	11.64	597	284	880	1,323	2,010,883	184	64	3,062,090	
INDEPENDENT SHOPS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	69,468	3	-	-	
PROCESSING PLANTS	-	4	4	94	94	94	27	-	27	121	-	14.32	14.32	4.11	18.43	-	582	582	760	1,312,938	59	9	-	
TOTAL OR AVERAGE, ALL MINES AND PLANTS	1	7	7	177	178	178	60	.06	60	238	.06	10.43	10.49	3.54	14.03	354	432	786	2,120	3,333,289	246	73	3,062,090	
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114	170,544	5	43	-	
GRAND TOTAL OR AVERAGE	1	7	7	177	178	178	60	.06	60	238	.06	9.93	9.99	3.37	13.36	337	411	748	2,234	3,563,833	251	116	3,062,090	

TABLE 28. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATIONS	PRODUCTION (SHORT TONS)		
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL							
		PERMANENT	TEMPORARY	TOTAL	TOTAL FATAL AND NFDL	TOTAL INJURIES														
																			TOTAL	PARTIAL
UNDERGROUND MINES:																				
UNDERGROUND	42	-	130	8,327	8,457	8,498	2,123	10,622	13.12	8.16	3.29	391	468	858	67,981	128,914,189	1,661	-	386,951,135	
SURFACE AT UNDERGROUND	1	-	9	533	542	543	218	761	.02	8.17	3.26	90	273	363	7,503	13,267,809	42	1,303	-	
TOTAL OR AVERAGE	43	-	139	8,860	8,999	9,042	2,341	11,383	.06	12.66	3.29	363	449	812	75,484	142,201,998	1,703	1,303	386,951,135	
SURFACE MINES:																				
STRIP	14	1	29	1,566	1,596	1,610	1,009	2,619	.03	3.59	2.27	189	116	305	43,995	88,888,078	1,590	-	573,888,448	
AUGER	-	-	-	20	20	20	15	75	-	5.76	4.32	-	193	193	699	694,616	90	68	3,704,348	
CULM BANK	-	-	-	7	7	7	4	11	-	4.64	2.65	-	58	58	222	301,646	30	2	671,349	
DREDGE	-	-	-	-	-	-	1	1	-	-	1.37	-	-	-	101	145,692	21	-	274,118	
TOTAL OR AVERAGE	14	1	29	1,593	1,623	1,637	1,029	2,666	.03	3.61	2.29	187	117	303	44,927	90,030,032	1,731	70	578,536,263	
SURFACE MINES:																				
MINING	57	1	168	10,453	10,622	10,675	3,370	14,049	.05	9.15	2.90	295	320	615	120,411	232,232,030	3,434	1,373	965,489,398	
INDEPENDENT SHOPS	-	-	-	48	48	48	32	80	-	5.31	3.54	-	167	167	1,006	1,806,627	84	-	-	
PROCESSING PLANTS	4	-	21	766	787	791	364	1,155	.03	5.35	2.48	163	163	326	14,193	29,412,739	611	259	-	
TOTAL OR AVERAGE - ALL MINES AND PLANTS	61	1	189	11,267	11,457	11,518	3,766	15,284	.05	8.70	2.86	278	302	580	135,610	263,451,396	4,129	1,632	965,489,398	
OFFICE	-	-	1	24	25	25	16	41	-	.36	.23	-	15	15	7,563	13,861,911	34	1,478	-	
GRAND TOTAL OR AVERAGE	61	1	190	11,291	11,482	11,543	3,782	15,325	.04	8.28	2.73	264	287	551	143,173	277,313,307	4,163	3,110	965,489,398	

TABLE 3 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT ALL COAL 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	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL					
UNDERGROUND MINES: UNDERGROUND----- SURFACE AT UNDERGROUND----- TOTAL OR AVERAGE-----	42 2 44	- - -	130 9 139	8,349 534 8,883	8,479 543 9,022	8,521 545 9,066	2,129 219 2,348	10,650 764 11,414	252,000 12,000 264,000	- - -	45,470 2,250 47,720	256,356 15,921 272,277	301,826 18,171 319,997	350 250 343	31 30 31	65 55 64
SURFACE MINES: STRIP----- ALTER----- CULM BANK----- DREDGE----- TOTAL OR AVERAGE-----	14 - - - 14	1 - - - 1	32 - - - 32	1,615 20 15 - 1,650	1,648 20 15 - 1,683	1,662 20 15 - 1,697	1,033 12 3 1 1,055	2,695 35 21 1 2,752	84,000 - - - 84,000	6,000 - - - 6,000	2,735 - - - 2,735	45,107 670 369 - 46,146	53,842 67 36 - 54,881	85 - - - 85	28 34 25 - 28	83 34 25 - 82
INDEPENDENT STOPS PROCESSING PLANTS----- TOTAL OR AVERAGE, ALL MINES AND PLANTS----- OFFICE----- GRAND TOTAL OR AVERAGE-----	58 - 4 62 - 62	1 - - 1 - 1	171 - 25 196 1 197	10,533 48 856 11,437 24 11,461	10,705 48 881 11,634 25 11,659	10,763 48 885 11,696 25 11,721	3,403 32 391 3,826 16 3,842	14,166 80 1,276 15,522 41 15,563	348,000 - 24,000 372,000 - 372,000	6,000 - - 6,000 - 6,000	50,455 - 1,620 52,075 50 52,125	318,423 1,506 26,841 346,770 981 347,751	374,878 1,506 28,461 404,845 1,031 405,876	295 - 65 266 50 265	30 31 31 30 41 30	67 31 59 66 41 66

TABLE 3A. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1969

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		TEMPO- RARY	TOTAL NFDL	PERMANENT					TEMPO- RARY	TOTAL NFDL						
		TOTAL	PARTIAL			TOTAL							PARTIAL					
1	-	-	22	22	22	6	28	6,000	-	-	473	473	473	-	22	22	3,014	
1	-	-	23	23	24	7	31	6,000	-	-	501	501	6,501	-	22	271		
UNDERGROUND MINES:																		
UNDERGROUND	-	-	49	52	52	24	76	-	-	410	1,660	2,070	2,070	137	34	40		
SURFACE AT UNDERGROUND	-	-	8	8	8	2	10	-	-	-	291	291	291	-	35	35		
TOTAL OR AVERAGE	-	-	57	60	60	26	86	-	-	410	1,941	2,351	2,351	137	34	39		
SURFACE MINES:																		
STRIP	1	-	80	83	84	33	117	5,000	-	410	2,442	2,852	8,852	137	31	105		
ALDER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CLIFF BANK	-	-	90	94	94	27	121	-	-	200	4,278	4,478	4,478	50	48	48		
DREDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	1	-	170	177	178	60	238	5,000	-	610	6,720	7,330	13,330	87	40	75		
SURFACE MINES:																		
STRIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ALDER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CLIFF BANK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
DREDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	1	-	170	177	178	60	238	5,000	-	610	6,720	7,330	13,330	87	40	75		
SURFACE MINES:																		
STRIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ALDER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CLIFF BANK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
DREDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	1	-	170	177	178	60	238	5,000	-	610	6,720	7,330	13,330	87	40	75		
INDEPENDENT SHOPS:																		
PROCESSING PLANTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MINES AND PLANTS:																		
ALL MINES AND PLANTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
GRAND TOTAL OR AVERAGE	1	-	170	177	178	60	238	5,000	-	610	6,720	7,330	13,330	87	40	75		

TABLE 33. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT BLINDEN COAL OPERATIONS IN THE UNITED STATES, 1969

WORK LOCATION	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY		
	FATAL	NFOL			TOTAL FATAL AND NFOL	TOTAL INJURIES	FATAL	NFOL			TOTAL FATAL AND NFOL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFOL	
		PERMANENT	TEMPORARY	TOTAL NFOL				TOTAL	PARTIAL						
42	130	8,327	8,457	2,123	10,622	252,000	-	45,470	255,883	301,353	350	31	553,353	65	
1	9	533	542	218	761	6,000	-	2,250	15,893	18,143	250	30	24,143	44	
43	-	139	8,860	8,999	2,341	11,383	258,000	-	47,720	271,776	319,496	343	31	577,496	64
14	1	29	1,566	1,586	1,005	2,519	84,000	6,000	2,325	43,447	51,772	80	28	135,772	84
-	-	-	20	20	15	35	-	-	-	570	570	-	34	570	34
-	-	-	7	7	4	11	-	-	-	88	88	-	13	88	13
-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
14	1	29	1,583	1,623	1,029	2,566	84,000	6,000	2,325	44,205	52,530	80	26	136,530	83
57	1	168	10,453	10,622	3,370	14,049	342,000	6,000	50,045	315,951	372,026	298	30	714,026	67
-	-	-	48	48	32	80	-	-	-	1,506	1,506	-	31	1,506	31
-	-	21	766	787	364	1,155	24,000	-	1,420	22,563	23,983	68	29	47,983	61
61	1	189	11,267	11,457	3,766	15,264	366,000	6,000	51,465	340,950	397,515	272	30	763,515	66
-	-	1	24	25	16	41	-	-	50	981	1,031	50	41	1,031	41
61	1	190	11,291	11,482	3,782	15,325	366,000	6,000	51,515	341,031	398,546	271	30	764,546	66
UNDERGROUND MINES:															
UNDERGROUND															
SURFACE AT UNDERGROUND															
TOTAL OR AVERAGE															
SURFACE MINES:															
STRIP															
AUGER															
CULM BANK															
DREDGE															
TOTAL OR AVERAGE															
SURFACE MINES															
TOTAL OR AVERAGE															
MINING															
INDEPENDENT SHOPS															
PROCESSING PLANTS															
TOTAL OR AVERAGE ALL MINES AND PLANTS															
OFFICE															
GRAND TOTAL OR AVERAGE															

TABLE 4. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASST-COATED WORK LOCATION	PRODUCTION (SHORT TONS)		
	FATAL	NFDL				TOTAL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL									
		PERMANENT	TEMPORARY	TOTAL	TOTAL									TOTAL								
															TOTAL						PARTIAL	TOTAL
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																						
1 - 4	1	-	14	14	15	18	47	656	7.03	1.41	2,212	254	3,076	445	426,762	153	68	394,545				
5 - 9	3	2	65	67	70	93	30	575	7.06	2.32	1,817	459	2,276	1,661	1,961,638	266	174	3,205,168				
10 - 19	5	15	541	557	562	710	99	1,032	10.41	2.74	1,556	515	1,071	7,740	10,736,459	550	415	27,555,228				
20 - 34	1	20	954	974	980	1,214	07	1,139	11.46	2.74	421	398	819	10,761	17,090,309	396	333	47,341,155				
35 - 49	1	3	615	618	623	780	09	1,139	11.46	2.74	548	407	956	5,967	10,690,682	149	131	31,806,562				
50 - 99	1	15	930	945	947	1,200	03	1,284	12.84	3.73	164	365	529	7,758	14,636,313	105	98	41,314,953				
100 - 149	1	6	924	930	934	1,209	10	1,378	13.88	3.51	590	481	1,072	3,686	8,129,652	32	30	23,526,265				
150 - 249	5	29	1,855	1,864	1,890	2,371	05	1,544	15.44	3.93	294	569	863	12,161	24,479,452	60	58	71,425,172				
250 OR MORE	12	48	3,355	3,403	3,415	4,295	64	12,54	12.58	3.26	265	423	688	26,473	54,294,369	70	68	139,868,576				
TOTAL OR AVERAGE	44	139	8,883	9,022	9,066	11,414	06	12,64	12.70	3.29	370	448	818	75,322	142,764,302	1,791	1,367	387,437,734				
SURFACE MINES:																						
STRIP:																						
1 - 4	1	-	15	17	18	23	12	212	2.25	62	748	70	819	1,338	1,503,261	518	-	4,445,377				
5 - 9	1	1	48	49	50	68	06	304	3.10	1.12	372	105	477	2,148	3,226,417	323	-	9,456,831				
10 - 19	1	7	129	129	130	176	02	311	3.13	1.11	145	102	246	4,544	8,298,420	338	-	26,684,949				
20 - 34	1	6	235	241	242	355	03	428	4.30	2.01	107	103	210	5,549	11,261,171	215	-	41,916,727				
35 - 49	1	2	169	171	172	263	03	477	4.77	2.41	167	132	300	3,250	7,173,841	78	-	24,443,560				
50 - 99	1	4	342	346	350	529	05	465	4.65	2.54	323	127	450	6,688	14,885,495	98	-	93,413,338				
100 - 149	1	2	166	169	170	279	02	349	3.49	1.76	124	216	340	4,650	9,695,858	38	-	67,864,905				
150 - 249	1	5	192	197	199	362	03	318	3.21	2.63	194	118	311	5,942	12,354,540	31	-	115,427,887				
250 OR MORE	2	4	325	329	331	540	02	305	3.07	2.87	111	89	200	10,500	21,540,332	25	-	189,070,147				
TOTAL OR AVERAGE	14	32	1,515	1,548	1,562	2,695	03	3,66	3.69	2.29	187	120	306	44,629	90,060,325	1,665	-	575,723,701				
ALLIGER:																						
1 - 4	-	-	8	8	8	12	-	774	7.74	3.87	115	332	332	205,615	206,615	67	50	958,013				
5 - 9	-	-	2	2	2	4	-	131	1.31	0.80	156	156	155	209,430	209,430	16	13	1,143,556				
10 - 19	-	-	3	3	3	6	-	365	3.65	3.05	73	73	72	136,771	136,771	14	4	290,188				
20 - 34	-	-	7	7	7	11	-	171	17.1	5.73	227	227	227	31,811	31,811	2	1	682,451				
TOTAL OR AVERAGE	-	-	20	20	20	35	-	576	5.76	4.32	108	193	193	699	694,516	90	68	3,704,346				
COAL BANK:																						
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5 - 9	-	-	3	3	3	3	-	126	12.6	4.06	204	204	204	63,949	63,949	30	2	245,951				
10 - 19	-	-	11	11	11	17	-	304	3.04	19.55	130	130	130	140,043	140,043	11	2	472,246				
20 - 34	-	-	-	-	-	-	-	304	3.04	3.04	131	131	131	28,570	28,570	11	-	517,562				
TOTAL OR AVERAGE	-	-	15	15	15	21	-	544	5.44	2.17	761	134	134	561,753	561,753	57	2	70,378				
DRUDGE:																						
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
10 - 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
10 - 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

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

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)		
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL							
		TOTAL	PERMANENT	TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL													NFDL	TOTAL INJURIES
TOTAL OR AVERAGE, SURFACE:																				
1 - 4	1	1	1	1	1	1	10	2.59	2.70	3.63	622	94	715	1.784	1,925,063	531	52	5,725,224		
5 - 9	1	1	1	1	1	1	06	2.98	3.03	4.30	331	110	441	2.462	3,625,644	360	13	11,198,271		
10 - 19	1	1	1	1	1	1	02	3.24	3.26	4.51	136	101	237	4.948	8,823,465	356	4	28,300,846		
20 - 34	1	1	1	1	1	1	02	4.37	4.38	6.43	105	104	209	5.668	11,468,783	219	1	42,669,596		
35 - 49	1	1	1	1	1	1	03	4.77	4.80	7.33	167	132	300	3.250	7,173,841	78	-	24,443,560		
50 - 99	1	1	1	1	1	1	02	4.05	4.71	7.12	323	127	450	6.608	14,866,485	98	-	93,413,308		
100 - 149	1	1	1	1	1	1	02	3.49	3.51	5.76	124	216	340	4.654	9,665,858	38	-	67,864,905		
150 - 249	2	2	2	2	2	2	03	3.18	3.21	5.84	194	118	311	5.942	12,394,540	31	-	118,427,897		
250 OR MORE	2	2	2	2	2	2	02	3.05	3.07	5.94	111	89	200	10.500	21,540,332	26	-	189,070,147		
TOTAL OR AVERAGE	14	1	32	1,650	1,683	1,697	03	3.68	3.71	6.02	184	120	304	45.812	91,458,011	1,837	70	581,113,754		
TOTAL OR AVERAGE, MINING:																				
1 - 4	2	2	2	2	2	2	17	3.31	3.48	1.02	1,019	125	1,144	2.229	2,355,825	784	112	6,119,869		
5 - 9	4	4	4	4	4	4	06	7.14	4.46	6.10	856	329	1,185	4.323	5,607,282	626	187	14,403,439		
10 - 19	6	6	6	6	6	6	05	8.53	7.20	9.27	367	280	647	15.924	19,619,924	906	419	55,856,074		
20 - 34	7	7	7	7	7	7	07	8.71	8.63	11.60	295	208	503	9.217	28,508,092	615	334	90,010,761		
35 - 49	6	6	6	6	6	6	04	8.75	8.79	11.52	397	245	642	13.766	18,114,522	277	131	56,250,112		
50 - 99	6	6	6	6	6	6	06	8.18	8.24	11.68	244	245	489	8.536	25,502,804	203	98	135,328,271		
100 - 149	8	8	8	8	8	8	04	11.29	11.33	14.82	337	337	674	18.103	36,873,992	70	30	91,791,170		
150 - 249	5	5	5	5	5	5	04	9.84	9.88	13.03	222	328	550	36.973	75,834,921	96	58	189,853,069		
250 OR MORE	14	1	52	3,680	3,732	3,746	04	9.84	9.88	13.03	222	328	550	36.973	75,834,921	96	58	328,938,723		
TOTAL OR AVERAGE	58	1	171	10,533	10,705	10,763	05	9.14	9.19	12.10	297	320	617	121.734	234,242,913	3,618	1,437	968,551,488		
INDEPENDENT SHOPS:																				
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10 - 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
35 - 49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50 - 99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
100 - 149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PROCESSING PLANTS:																				
1 - 4	1	1	1	1	1	1	16	4.05	4.20	5.65	934	106	1,040	804	1,294,800	246	60	1,294,800		
5 - 9	1	1	1	1	1	1	04	5.40	5.48	8.06	463	164	627	1,334	2,590,555	162	40	2,590,555		
10 - 19	1	1	1	1	1	1	04	6.00	6.04	8.63	248	150	398	2,387	4,835,300	110	40	4,835,300		
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
35 - 49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50 - 99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
100 - 149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	4	-	25	856	881	885	03	5.73	5.75	8.31	156	185	341	14.953	30,725,677	670	288	30,725,677		

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

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)								
	FATAL	NFDL					TOTAL INJURIES	Nc.	TOTAL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL						ALL FATAL AND NFDL							
		TOTAL	PARTIAL	TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL																FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
TOTAL OR AVERAGE: ALL MINES AND PLANTS:																												
1 - 4	3	-	2	70	72	75	16	3.84	4.00	1.28	5.28	961	129	1,089	3,746,868	1,063	172	6,119,869										
5 - 9	5	-	5	193	198	203	12	4.68	4.80	2.32	7.11	709	286	914	8,465,176	810	277	14,403,439										
10 - 19	7	-	23	834	857	864	06	6.88	6.94	2.14	9.08	337	291	629	24,904,694	1,035	485	55,856,074										
20 - 34	7	-	34	1,408	1,442	1,449	04	7.97	8.01	2.45	10.45	232	256	488	36,195,243	692	301	90,010,761										
35 - 49	6	-	28	1,976	1,996	1,992	05	8.15	8.20	2.74	10.94	195	239	434	24,194,074	268	161	56,250,112										
50 - 99	6	-	28	1,472	1,500	1,506	03	8.17	8.20	2.93	11.13	196	239	435	36,738,849	244	111	135,328,271										
100 - 149	6	-	8	2,050	2,084	2,092	06	7.99	8.05	2.89	10.94	377	327	704	19,101,213	75	31	91,791,170										
150 - 249	8	-	34	2,050	2,084	2,092	04	11.07	11.11	3.46	14.59	255	409	664	37,663,847	92	59	189,853,069										
250 OR MORE	14	-	52	3,680	3,732	3,746	04	9.84	9.88	3.15	13.03	222	328	550	75,834,921	96	68	328,938,723										
TOTAL OR AVERAGE	62	1	196	11,437	11,634	11,696	05	8.72	8.77	2.87	11.63	279	303	582	266,844,685	4,375	1,705	968,551,488										
OFFICE:																												
1 - 4	-	-	1	17	18	18	-	1.07	1.07	24	1.31	-	49	49	3,371,166	35	1,136	-										
5 - 9	-	-	-	1	1	1	-	0.08	0.08	16	25	-	10	10	2,446,376	3	206	-										
10 - 19	-	-	-	4	4	4	-	0.28	0.28	35	63	-	3	3	2,783,833	3	103	-										
20 - 34	-	-	-	1	1	1	-	0.07	0.07	36	44	-	3	3	2,748,653	1	53	-										
35 - 49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,095,158	-	13	-										
50 - 99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,092,525	-	8	-										
100 - 149	-	-	-	1	1	1	-	41	41	41	41	-	13	13	489,544	-	2	-										
TOTAL OR AVERAGE	-	-	1	24	25	25	-	36	36	23	58	-	15	15	14,032,455	39	1,521	-										
GROUND TOTAL OR AVERAGE:																												
1 - 4	3	-	3	87	90	93	08	2.53	2.61	79	3.40	506	91	597	7,118,034	1,088	1,308	6,119,869										
5 - 9	5	-	5	199	199	204	09	3.65	3.74	1.83	5.57	550	160	709	10,911,752	810	1,433	14,403,439										
10 - 19	7	-	23	838	861	868	05	6.20	6.25	1.96	8.21	302	262	565	27,783,527	1,038	588	55,856,074										
20 - 34	7	-	34	1,409	1,443	1,450	04	7.41	7.45	2.30	9.75	216	238	454	38,943,895	693	444	90,010,761										
35 - 49	6	-	28	1,976	1,996	1,992	05	7.83	7.87	2.64	10.81	286	275	560	25,193,232	268	174	56,250,112										
50 - 99	6	-	28	1,472	1,500	1,506	03	7.93	7.96	2.84	10.81	196	232	422	37,831,174	244	119	135,328,271										
100 - 149	8	-	34	2,050	2,084	2,092	06	7.80	7.86	2.82	10.68	368	319	686	19,580,757	75	33	91,791,170										
150 - 249	8	-	52	3,680	3,732	3,746	04	11.07	11.11	3.46	14.59	255	409	664	37,663,847	92	59	189,853,069										
250 OR MORE	14	-						9.84	9.88	3.15	13.03	222	328	550	75,834,921	96	68	328,938,723										
TOTAL OR AVERAGE	62	1	197	11,461	11,659	11,721	04	8.30	8.35	2.74	11.08	265	289	554	280,877,140	4,414	3,226	968,551,488										

TABLE 4A. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1988

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)										
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL						ALL FATAL AND NFDL									
		PERMANENT	TEMPORARY	TOTAL																FATAL	NFDL	ALL FATAL AND NFDL	NFDL	ALL INJURIES				
																									TOTAL	PARTIAL	TOTAL	NFDL
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																												
1 - 4	1	-	-	-	1	1	1.39	1.39	-	1.39	-	1.39	8,322	121	144,188	43	34	78,055										
5 - 9	-	-	-	2	2	2	-	1.79	1.79	-	1.79	-	121	88	223,223	27	23	176,193										
10 - 19	-	-	-	3	3	3	-	9.46	9.46	6.31	15.77	-	488	43	63,415	5	4	42,209										
20 - 34	-	-	-	5	5	5	-	23.25	23.25	12.92	36.17	-	359	39	77,404	2	2	122,065										
35 - 49	-	-	-	9	9	9	-	24.10	24.10	24.10	24.10	-	359	39	74,574	1	1	68,076										
TOTAL OR AVERAGE	1	-	-	24	23	24	34	7.89	8.23	2.40	10.64	172	2,231	438	582,904	78	64	486,589										
SURFACE MINES:																												
STRIP:	-	-	-	3	2	3	3.45	3.45	-	3.45	-	3.45	-	381	173,787	48	-	404,305										
1 - 4	-	-	-	3	3	3	3.11	3.11	-	3.11	-	3.11	-	221	128,705	12	-	210,538										
5 - 9	-	-	-	2	2	2	3.49	3.49	1.55	4.66	-	3.49	-	115	171,899	8	-	415,339										
10 - 19	-	-	-	13	13	13	16.34	16.34	8.80	25.14	-	524	524	94	159,130	4	-	237,179										
20 - 34	-	-	-	22	22	22	50.70	50.70	36.87	87.58	-	2,180	2,180	45	107,794	1	-	85,303										
35 - 49	-	-	-	9	9	9	5.23	5.23	5.23	5.23	-	78	78	244	344,151	1	-	210,534										
50 - 99	-	-	-	52	49	52	8.87	8.87	4.69	12.97	-	353	353	724	1,172,247	75	-	271,994										
150 - 249	-	-	-	75	75	75	-	-	-	-	-	-	-	-	-	-	-	1,835,253										
TOTAL OR AVERAGE	-	-	-	52	52	52	24	8.87	8.87	4.69	12.97	353	353	724	1,172,247	75	-	1,835,253										
QUIN BANK:																												
1 - 4	-	-	-	2	2	2	4.56	4.56	-	4.56	-	4.56	-	314	27,987	15	-	102,854										
5 - 9	-	-	-	5	5	5	12.00	12.00	4.80	16.80	-	16.80	-	240	87,814	8	-	388,557										
10 - 19	-	-	-	2	2	2	3.92	3.92	-	3.92	-	3.92	-	169	83,394	3	-	189,706										
20 - 34	-	-	-	1	1	1	6.40	6.40	1.60	8.00	-	8.00	-	225	50,962	1	-	56,931										
TOTAL OR AVERAGE	-	-	-	8	8	8	2	6.40	6.40	1.60	8.00	225	225	154	250,117	27	-	738,088										
DREDGE:																												
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	7	5,615	4	-	2,150										
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	7	5,615	4	-	2,150										
TOTAL OR AVERAGE, SURFACE:																												
1 - 4	-	-	-	3	3	3	2.89	2.89	-	2.89	-	2.89	-	319	207,389	67	-	598,309										
5 - 9	-	-	-	4	4	4	3.69	3.69	9.7	4.62	-	4.62	-	259	216,519	20	-	598,136										
10 - 19	-	-	-	8	8	8	6.27	6.27	1.57	7.84	-	7.84	-	156	255,253	11	-	625,105										
20 - 34	-	-	-	14	14	14	13.33	13.33	6.66	19.99	-	438	438	118	210,092	5	-	294,110										
35 - 49	-	-	-	22	22	22	50.70	50.70	36.87	87.58	-	2,180	2,180	45	107,794	1	-	85,303										
50 - 99	-	-	-	9	9	9	5.23	5.23	5.23	5.23	-	78	78	244	344,151	1	-	210,534										
150 - 249	-	-	-	60	57	60	8.40	8.40	3.64	12.04	-	329	329	885	1,427,979	106	-	271,994										
TOTAL OR AVERAGE	-	-	-	60	57	60	26	8.40	8.40	3.64	12.04	329	329	885	1,427,979	106	-	2,575,491										

TABLE 4A. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1985 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL							
		PERMANENT	TEMPORARY																	
			TOTAL	PARTIAL										TOTAL	NFDL					
TOTAL OR AVERAGE, MINING:	1	-	1	2	3	4	.57	1.71	2.28	2.28	3.413	188	3,601	351,577	304	110	34	587,365		
1-4	-	-	4	6	6	7	-	2.73	2.73	3.18	-	189	189	439,742	293	47	23	775,329		
5-9	-	-	4	6	6	15	-	6.00	6.00	9.41	-	142	142	318,668	184	16	4	647,314		
10-19	-	-	12	23	23	35	-	16.00	16.00	24.35	-	451	451	287,496	161	7	2	416,175		
20-34	-	-	9	9	9	38	-	9.86	9.86	16.56	-	163	163	182,468	84	2	1	153,379		
35-49	-	-	16	22	22	9	-	50.70	50.70	87.56	-	78	78	344,151	53	1	-	210,534		
50-99	-	-	9	9	9	9	-	5.23	5.23	5.23	-	284	284	2,010,883	244	1	-	271,994		
150-249	-	-	33	84	84	117	.10	8.26	8.35	11.64	587	587	1,323	2,010,883	184	3	64	3,062,090		
TOTAL OR AVERAGE	1	3	80	83	84	117	.10	8.26	8.35	11.64	587	284	1,323	2,010,883	184	3	64	3,062,090		
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
20-34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PROCESSING PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1-4	-	-	3	1	1	4	-	2.07	2.07	6.22	-	8	8	56,449	65	24	1	27,869		
5-9	-	-	4	18	18	22	-	15.80	15.80	3.51	-	811	811	277,869	127	16	3	305,167		
10-19	-	-	7	11	11	18	-	7.21	7.21	4.59	-	229	229	180	11	4	2	312,608		
20-34	-	-	6	27	27	33	-	17.27	17.27	3.84	-	480	480	182,307	159	2	3	182,307		
35-49	-	-	6	22	22	28	-	24.14	24.14	5.58	-	2,258	2,258	182,307	88	2	-	182,307		
50-99	-	-	1	15	15	16	-	15.91	15.91	1.06	-	414	414	188,540	141	2	-	188,540		
TOTAL OR AVERAGE	-	4	27	94	94	121	-	14.32	14.32	4.11	-	682	682	1,312,938	760	59	9	1,312,938		
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1-4	1	-	3	4	5	8	.44	1.78	2.22	1.33	2,669	149	2,818	449,538	372	135	35	587,365		
5-9	-	-	5	24	24	29	-	7.19	7.19	8.69	-	401	401	667,611	420	63	26	775,329		
10-19	-	-	11	11	11	33	-	6.75	6.75	10.72	-	177	177	652,175	378	28	6	647,314		
20-34	-	-	18	20	20	60	-	15.63	15.63	21.26	-	438	438	639,718	340	12	5	416,175		
35-49	-	-	17	30	30	37	-	17.00	17.00	3.29	-	1,211	1,211	364,775	172	4	1	153,379		
50-99	-	-	16	37	37	54	-	26.88	26.88	39.23	-	571	571	275,321	194	3	-	210,534		
150-249	-	-	9	9	9	9	-	5.23	5.23	5.23	-	78	78	344,151	244	1	-	271,994		
TOTAL OR AVERAGE	1	7	178	177	178	238	.06	10.43	10.49	14.03	354	432	786	3,363,289	2,120	246	73	3,062,090		
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

TABLE 4A. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES								INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	PRODUCTION (SHORT TONS)	
	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		TEMPO- RARY		TOTAL NFDL															
		TOTAL	PARTIAL	TOTAL	PARTIAL																
GRAND TOTAL OR AVERAGE:	1	-	1	3	4	5	3	8	1.75	1.06	2.82	2.113	118	2,231	458	568,011	140	587,365			
1 - 4	-	-	-	24	24	24	5	29	6.83	1.42	8.26	-	381	381	438	702,403	63	775,329			
5 - 9	-	-	1	21	22	22	5	33	6.57	3.29	9.85	-	172	172	388	689,454	28	647,314			
10 - 19	-	-	2	48	50	50	18	68	15.63	5.63	21.26	-	438	438	340	639,718	12	416,175			
20 - 34	-	-	1	30	31	31	6	37	17.00	3.29	20.29	-	1,211	1,211	172	364,775	4	153,379			
35 - 49	-	-	2	35	37	37	17	54	26.88	12.35	39.23	-	571	571	194	275,321	3	210,534			
50 - 99	-	-	-	9	9	9	-	9	5.23	-	5.23	-	78	78	244	344,151	1	271,994			
150 - 249	-	-	7	170	177	178	60	238	9.93	3.37	13.36	337	411	748	2,234	3,563,833	251	3,062,090			
TOTAL OR AVERAGE	1	-	7	170	177	178	60	238	9.93	3.37	13.36	337	411	748	2,234	3,563,833	251	3,062,090			

TABLE 4B. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1969

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)																	
	FATAL	NFDL			TOTAL INJURIES	TOTAL FATAL AND NFDL	NFDL	FATAL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL																						
		TOTAL	PARTIAL	TEMPORARY															TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL										
																										TOTAL	PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																																			
1 - 4	-	-	-	-	-	17	3	-	9.91	2.12	12.03	389	389	369	3.7	282,574	110	26	316,589																
5 - 9	3	2	16	53	55	91	23	34	7.39	2.62	10.35	2,549	502	2,549	1,655	1,758,415	239	151	3,028,975																
10 - 19	6	3	20	584	594	705	146	09	10.32	2.72	13.14	1,077	517	1,077	7,558	10,733,044	545	411	27,512,019																
20 - 34	2	3	3	609	614	1,200	229	07	11.34	2.68	14.10	621	398	621	10,218	17,021,909	354	331	47,219,100																
35 - 49	2	3	15	930	945	1,220	273	03	12.91	2.89	14.19	529	407	529	5,928	10,866,008	148	130	31,736,476																
50 - 99	2	6	6	564	564	709	145	03	13.78	3.57	17.44	481	569	1,072	7,158	14,636,319	105	98	41,914,963																
100 - 149	6	29	29	1,884	1,884	2,371	481	05	15.39	3.93	19.37	569	569	863	3,886	8,129,652	32	30	23,626,265																
150 - 249	6	48	48	3,355	3,403	4,299	884	04	12.54	3.26	15.84	423	588	588	12,161	24,479,452	60	58	71,425,172																
250 OR MORE	12	-	-	-	-	-	-	06	12.66	3.29	16.01	363	449	812	26,473	54,294,589	70	68	139,868,576																
TOTAL OR AVERAGE	43	-	-	8,860	8,999	11,383	2,341	06	12.72	3.29	16.01	363	449	812	75,484	142,201,998	1,703	1,303	386,351,135																
SURFACE MINES																																			
1 - 4	-	-	-	14	14	20	5	14	1.96	2.10	2.80	839	33	872	1,213	1,429,474	470	-	4,041,072																
5 - 9	-	-	-	46	47	65	17	06	3.03	3.10	4.20	367	100	488	2,078	3,087,712	311	-	9,246,292																
10 - 19	-	-	-	120	126	173	46	02	4.11	4.13	4.26	148	101	249	4,550	8,126,521	330	-	26,269,550																
20 - 34	-	-	-	223	228	335	106	02	4.84	4.87	6.03	170	97	295	5,456	11,102,041	211	-	41,679,548																
35 - 49	-	-	-	169	171	263	91	02	3.49	3.51	5.76	124	216	334	6,355	14,779,704	97	-	93,202,774																
50 - 99	-	-	-	320	324	491	163	02	3.15	2.71	5.86	199	119	340	4,355	9,655,858	38	-	67,684,905																
100 - 149	-	-	-	166	169	279	109	02	3.15	2.71	5.86	199	119	318	4,355	9,655,858	38	-	67,684,905																
150 - 249	-	-	-	183	186	353	163	03	3.15	2.71	5.86	199	119	290	4,355	9,655,858	38	-	67,684,905																
250 OR MORE	-	-	-	325	329	640	309	02	3.05	3.07	5.94	111	89	290	10,500	21,540,332	25	-	189,070,147																
TOTAL OR AVERAGE	14	1	29	1,566	1,595	2,619	1,009	03	3.55	3.62	5.89	169	116	305	43,905	88,888,078	1,590	-	573,888,448																
AUCER																																			
1 - 4	-	-	-	8	8	12	4	-	7.74	7.74	11.62	332	332	332	322	206,614	67	50	958,013																
5 - 9	-	-	-	2	2	6	3	-	1.91	1.91	5.73	156	156	156	181	209,420	15	13	1,143,556																
10 - 19	-	-	-	3	3	6	3	-	3.05	3.05	6.10	72	72	72	124	196,771	5	4	1,143,556																
20 - 34	-	-	-	7	7	11	4	-	17.11	17.11	26.89	227	227	227	72	81,811	2	1	662,491																
TOTAL OR AVERAGE	-	-	-	20	20	35	15	-	5.76	5.76	10.06	553	553	553	599	694,616	90	82	3,704,346																
CUM BANK																																			
1 - 4	-	-	-	1	1	1	-	-	-	-	-	-	-	-	46	35,362	15	2	145,397																
5 - 9	-	-	-	1	1	1	-	-	-	-	-	-	-	-	36	52,279	10	-	83,649																
10 - 19	-	-	-	1	1	1	-	-	-	-	-	-	-	-	114	156,513	5	-	83,649																
20 - 34	-	-	-	1	1	1	-	-	-	-	-	-	-	-	22	14,809	1	-	428,236																
TOTAL OR AVERAGE	-	-	-	7	7	11	4	-	4.64	4.64	7.29	56	56	222	301,545	30	2	671,349																	
DREDGE																																			
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	45,624	12	-	70,633																
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	43,764	7	-	122,338																
10 - 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	46,304	2	-	77,747																
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101	145,692	21	-	274,118																

TABLE 4B. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENT RATES				SEVERITY MEASURES		AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)			
	FATAL	NONFATAL				TOTAL INJURIES	FATAL	NONFATAL	ALL FATAL AND NONFATAL	ALL INJURIES	FATAL	NONFATAL						ALL FATAL AND NONFATAL		
		TOTAL	PARTIAL	TEMPORARY	TOTAL FATAL AND NONFATAL															
																			PERMANENT	TOTAL
TOTAL OR AVERAGE, SURFACE:																				
1-4	1	-	-	22	-	23	5	28	12	25	37	32	57	72	1,423	564	52	5,215,915		
5-9	1	-	-	49	-	50	22	73	6	35	41	47	53	45	1,036	340	13	10,599,135		
10-19	1	-	-	129	-	130	53	183	8	78	86	94	100	108	2,456	345	14	27,655,741		
20-34	1	-	-	230	-	231	110	346	2	138	140	142	150	162	3,538	214	1	42,375,486		
35-49	1	-	-	163	-	164	91	254	4	87	91	95	98	102	2,136	77	-	24,358,267		
50-99	1	-	-	324	-	325	163	487	5	168	173	178	184	190	4,179	97	-	53,202,774		
100-149	1	-	-	156	-	157	109	265	0	126	126	126	126	126	2,655	30	-	67,064,905		
150-249	1	-	-	183	-	184	163	346	3	156	159	162	165	168	3,658	26	-	118,155,903		
250 OR MORE	2	-	-	323	-	324	309	640	2	307	309	311	313	315	7,000	26	-	189,070,147		
TOTAL OR AVERAGE	14	1	29	1,593	1,623	3,216	1,029	4,242	3	3,64	3,64	3,64	3,64	3,64	44,927	1,731	70	578,538,263		
TOTAL OR AVERAGE, MINING:																				
1-4	1	-	-	36	-	37	12	49	10	35	45	55	59	72	1,925	674	78	5,532,504		
5-9	1	-	-	112	-	113	45	157	15	100	115	130	137	156	4,030	579	164	13,628,110		
10-19	1	-	-	267	-	268	150	417	6	236	242	248	254	261	5,167	1,045	415	55,208,760		
20-34	1	-	-	1,175	-	1,176	333	1,508	7	714	721	728	735	742	15,705	2,255	608	89,594,566		
35-49	1	-	-	775	-	776	248	1,023	0	800	800	800	800	800	17,332	2,255	130	56,095,733		
50-99	1	-	-	1,250	-	1,251	436	1,686	4	846	850	854	858	862	18,713	2,255	98	135,117,737		
100-149	1	-	-	720	-	721	254	974	0	720	720	720	720	720	15,825	2,255	30	91,791,170		
150-249	1	-	-	2,038	-	2,039	544	2,582	0	2,038	2,038	2,038	2,038	2,038	36,325	1,045	58	189,581,075		
250 OR MORE	14	-	-	3,680	-	3,681	1,193	4,873	0	3,680	3,680	3,680	3,680	3,680	75,854	96	58	328,538,723		
TOTAL OR AVERAGE	57	1	168	10,453	10,622	21,075	3,370	24,445	5	9,15	9,20	9,20	9,20	9,20	120,411	3,434	1,373	955,489,388		
TOTAL OR AVERAGE, INDEPENDENT SHOPS:																				
1-4	-	-	-	7	-	7	3	10	-	7	10	13	13	16	32	104	32	-		
5-9	-	-	-	7	-	7	7	14	-	7	14	19	29	36	267	22	-	-		
10-19	-	-	-	12	-	12	12	24	-	12	24	33	39	49	421	18	-	-		
20-34	-	-	-	8	-	8	8	16	-	8	16	22	25	30	226	6	-	-		
35-49	-	-	-	4	-	4	4	8	-	4	8	11	13	16	166	2	-	-		
50-99	-	-	-	5	-	5	5	10	-	5	10	13	15	18	361	3	-	-		
100-149	-	-	-	5	-	5	5	10	-	5	10	13	15	18	159	1	-	-		
TOTAL OR AVERAGE	-	-	-	48	-	48	22	80	-	48	53	66	77	93	1,306	84	-	-		
TOTAL OR AVERAGE, PROCESSING PLANTS:																				
1-4	-	-	-	24	-	24	6	30	17	44	44	53	53	60	1,138	222	57	-		
5-9	-	-	-	50	-	50	41	91	8	99	107	122	122	140	2,862	146	57	-		
10-19	-	-	-	134	-	134	57	191	4	138	142	160	160	184	3,930	222	57	-		
20-34	-	-	-	171	-	171	78	249	0	171	171	190	190	219	4,706	146	57	-		
35-49	-	-	-	167	-	167	78	245	-	167	167	186	186	214	4,331	146	57	-		
50-99	-	-	-	189	-	189	82	271	-	189	189	210	210	243	5,036	146	57	-		
100-149	-	-	-	29	-	29	13	42	-	29	29	33	33	37	750	4	-	-		
150-249	-	-	-	3	-	3	1	4	-	3	3	4	4	5	100	1	-	-		
TOTAL OR AVERAGE	4	-	21	766	767	1,533	364	2,197	3	1,533	1,533	1,533	1,533	1,533	28,412	511	265	-		

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

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)				
	FATAL	NFDL					TOTAL INJURIES	NFDL	TOTAL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL						ALL FATAL AND NFDL			
		PERMANENT	TEMPORARY	TOTAL	PARTIAL	TOTAL																		
																						TOTAL	PARTIAL	TOTAL
TOTAL OR AVERAGE ALL MINES AND PLANTS	51	189	11,267	11,457	11,546	3,766	25	6.10	3.74	2.86	11.80	276	342	584	135,610	263,451,296	4,129	1,632	953,469,396					
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
5-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
10-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
20-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
25-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
30-34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
35-49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
50-99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
100-249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
TOTAL OR AVERAGE	51	189	11,267	11,457	11,546	3,766	25	6.10	3.74	2.86	11.80	276	342	584	135,610	263,451,296	4,129	1,632	953,469,396					
GRAND TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
5-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
10-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
20-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
25-29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
30-34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
35-49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
50-99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
100-249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
TOTAL OR AVERAGE	51	189	11,267	11,457	11,546	3,766	25	6.10	3.74	2.86	11.80	276	342	584	135,610	263,451,296	4,129	1,632	953,469,396					

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

WORK LOCATION AND EMPLOYMENT SIZE GROUP	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				PERMANENT	TEMPORARY	TOTAL					
															TOTAL
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):	1	14	67	15	3	18	6,000	-	2,240	564	6,564	-	40	438	
1 - 4	3	65	557	70	23	93	18,000	-	13,300	2,308	22,549	1,120	36	322	
5 - 9	5	541	574	562	148	710	36,000	-	5,540	14,409	57,799	837	27	103	
10 - 19	10	20	674	980	234	1,214	36,000	-	3,250	27,485	70,025	1,083	29	71	
20 - 34	20	3	618	623	157	780	30,000	-	1,085	19,033	52,283	72	31	84	
35 - 49	35	15	947	947	273	1,220	12,000	-	2,050	26,679	38,679	342	28	41	
50 - 99	50	6	554	564	145	709	24,000	-	10,450	19,366	43,566	360	32	77	
100 - 149	100	28	1,855	1,884	481	2,371	36,000	-	8,715	69,649	105,649	182	32	56	
150 - 249	12	-	3,355	3,415	884	4,299	72,000	-	-	114,863	186,863	-	-	-	
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	44	-	8,893	9,062	2,348	11,414	264,000	-	47,720	319,997	583,997	343	31	64	
SURFACE MINES:	1	16	49	18	5	23	5,000	-	300	264	5,564	300	16	365	
STRIP:	1	48	129	50	18	68	5,000	-	185	1,593	7,693	185	31	194	
1 - 4	1	122	241	130	46	176	5,000	-	620	3,525	10,215	80	29	79	
5 - 9	1	235	241	242	113	355	6,000	-	300	5,510	11,810	50	23	49	
10 - 19	1	168	171	172	91	263	6,000	-	350	4,744	10,744	175	26	62	
20 - 34	1	342	346	350	179	525	24,000	-	250	9,472	33,472	162	27	96	
35 - 49	1	166	166	170	109	275	5,000	-	210	4,280	15,490	106	27	57	
50 - 99	2	192	197	199	163	362	12,000	-	260	7,022	19,282	52	37	97	
100 - 149	2	325	329	331	309	640	12,000	-	260	9,572	21,572	65	29	65	
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	14	-	1,615	1,682	1,033	2,695	84,000	-	2,735	45,107	137,842	85	28	83	
ALLER:	1	8	2	8	4	12	-	-	-	343	343	-	43	43	
1 - 4	-	2	2	2	4	6	-	-	-	163	163	-	22	82	
5 - 9	-	3	3	3	3	6	-	-	-	71	71	-	24	24	
10 - 19	-	7	7	7	4	11	-	-	-	93	93	-	13	13	
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	20	20	20	15	35	-	-	-	670	670	-	34	34	
CULM BANK:	1	3	3	3	-	3	-	-	-	-	143	-	-	-	
1 - 4	-	11	11	11	6	17	-	-	-	163	163	-	48	48	
5 - 9	-	1	1	1	1	1	-	-	-	71	71	-	17	17	
10 - 19	-	-	-	-	-	-	-	-	-	93	93	-	43	43	
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	15	15	15	6	21	-	-	-	670	670	-	25	25	
DREDGE:	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10 - 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJ.	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO-RARY	TOTAL					TOTAL NFDL						
										TOTAL					PARTIAL
SURFACE:															
1 - 4	1	1	1	1	25	35	6,000	6,000	300	607	907	300	5,907	265	
5 - 9	1	1	1	3	55	76	6,000	6,000	185	1,814	1,999	185	7,339	145	
10 - 19	1	1	1	3	143	199	6,000	6,000	620	3,849	4,469	620	10,469	73	
20 - 34	1	1	1	3	249	367	6,000	6,000	350	4,394	5,646	350	11,946	48	
35 - 49	1	1	1	3	171	263	6,000	6,000	250	3,222	4,744	250	10,744	62	
50 - 99	1	1	1	3	346	525	6,000	6,000	210	9,272	33,472	210	33,472	96	
100 - 149	1	1	1	3	166	279	6,000	6,000	260	7,022	19,282	260	19,282	97	
150 - 249	2	2	2	4	331	640	12,000	12,000	260	9,372	21,572	260	21,572	97	
250 OR MORE	14	1	1	32	1,583	2,752	84,000	84,000	2,735	46,146	54,881	85	138,861	82	
TOTAL OR AVERAGE															
MINING:															
1 - 4	2	1	1	3	39	53	12,000	12,000	300	1,171	1,471	300	13,471	329	
5 - 9	4	3	3	10	118	171	24,000	24,000	2,425	4,123	6,548	2,425	30,548	244	
10 - 19	6	23	23	50	125	199	36,000	36,000	14,010	18,256	32,268	14,010	68,268	67	
20 - 34	6	26	26	58	203	301	42,000	42,000	6,840	33,131	39,971	6,840	81,971	77	
35 - 49	6	23	23	50	125	199	36,000	36,000	3,600	23,477	27,077	3,600	63,077	73	
50 - 99	6	19	19	44	795	1,043	36,000	36,000	1,335	34,616	36,151	1,335	72,151	56	
100 - 149	5	8	8	13	729	988	36,000	36,000	2,286	21,746	32,036	2,286	60,036	82	
150 - 249	5	34	34	69	2,047	2,681	48,000	48,000	10,710	66,221	76,931	10,710	124,931	60	
250 OR MORE	14	52	52	118	3,746	4,939	84,000	84,000	8,575	115,450	124,455	8,575	208,455	56	
TOTAL OR AVERAGE															
INDEPENDENT SHOPS:															
1 - 4	-	-	-	-	7	10	-	-	-	261	261	-	261	37	
5 - 9	-	-	-	-	7	14	-	-	-	35	39	-	39	6	
10 - 19	-	-	-	-	12	16	-	-	-	399	422	-	422	33	
20 - 34	-	-	-	-	8	16	-	-	-	422	422	-	422	53	
35 - 49	-	-	-	-	4	6	-	-	-	134	134	-	134	24	
50 - 99	-	-	-	-	5	14	-	-	-	123	123	-	123	24	
100 - 149	-	-	-	-	5	14	-	-	-	128	128	-	128	26	
TOTAL OR AVERAGE															
PROCESSING PLANTS:															
1 - 4	1	1	1	3	26	36	6,000	6,000	50	518	576	68	6,576	247	
5 - 9	1	1	1	3	70	116	6,000	6,000	110	2,008	2,118	110	8,118	114	
10 - 19	1	1	1	3	145	210	6,000	6,000	560	3,436	3,996	560	9,996	88	
20 - 34	1	1	1	3	211	285	-	-	590	5,495	5,695	70	6,395	26	
35 - 49	1	1	1	3	193	275	-	-	590	7,197	7,447	50	7,447	36	
50 - 99	1	1	1	3	204	287	6,000	6,000	590	6,904	7,544	50	7,544	37	
100 - 149	1	1	1	3	30	43	-	-	-	1,027	1,027	71	1,027	24	
150 - 249	1	1	1	3	3	14	-	-	-	27	27	-	27	5	
TOTAL OR AVERAGE															
4	-	25	881	885	291	1,275	24,000	24,000	1,500	26,541	28,461	63	52,461	59	

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

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY											
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	PERMANENT TOTAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	AVERAGE SEVERITY									
		TOTAL	PARTIAL	TOTAL					PARTIAL															
										TOTAL						PARTIAL								
																	TOTAL	PARTIAL						
TOTAL OR AVERAGE ALL MINES AND PLANTS:	3	7	6	6	6	8	14	62	1	196	11,634	11,686	3,825	15,522	372,000	5,000	52,075	346,770	404,845	775,845	266	30	66	
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-4	-	-	17	18	18	22	4	-	-	50	771	821	1	821	45	41	41	41	41	41	41	41	41	41
5-9	-	-	1	1	1	3	2	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10-19	-	-	4	4	4	5	5	-	-	-	35	35	35	35	35	35	35	35	35	35	35	35	35	35
20-34	-	-	1	1	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35-49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50-99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100-149	-	-	1	1	1	1	-	-	-	-	33	33	33	33	33	33	33	33	33	33	33	33	33	33
TOTAL OR AVERAGE	-	-	24	25	25	41	16	-	-	50	981	1,031	50	1,031	41	41	41	41	41	41	41	41	41	41
GRAND TOTAL OR AVERAGE:	3	7	6	6	6	8	14	62	1	197	11,658	11,721	3,842	15,563	372,000	5,000	52,125	347,751	405,876	777,876	265	30	66	
1-4	-	-	87	90	93	121	26	-	-	410	2,821	3,231	-	21	32	228	137	507	689	884	1,031	1,031	1,031	1,031
5-9	-	-	194	199	204	304	100	-	-	2,535	6,171	8,706	-	38	27	190	507	689	884	1,031	1,031	1,031	1,031	1,031
10-19	-	-	838	861	888	1,140	272	-	-	14,010	22,479	36,489	-	507	27	509	507	689	884	1,031	1,031	1,031	1,031	1,031
20-34	-	-	1,409	1,443	1,450	1,896	446	-	-	7,450	38,097	45,547	-	509	28	509	509	689	884	1,031	1,031	1,031	1,031	1,031
35-49	-	-	976	1,004	1,022	1,324	332	-	-	3,850	30,756	34,606	-	218	28	218	218	218	218	218	218	218	218	218
50-99	-	-	1,472	1,500	1,506	2,046	538	-	-	1,975	22,954	24,929	-	385	28	385	385	385	385	385	385	385	385	385
100-149	-	-	755	764	770	2,747	655	-	-	2,260	22,954	24,929	-	71	28	71	282	282	282	282	282	282	282	282
150-249	-	-	2,050	2,084	2,092	2,747	1,193	-	-	10,710	56,248	66,958	-	315	31	315	315	315	315	315	315	315	315	315
250 OR MORE	-	-	3,680	3,732	3,746	4,939	1,193	-	-	8,975	115,490	124,465	-	173	31	173	173	173	173	173	173	173	173	173
TOTAL OR AVERAGE	-	-	11,461	11,658	11,721	15,563	3,842	-	-	52,125	347,751	405,876	265	777,876	30	66	66	66	66	66	66	66	66	66

TABLE 5A. - NUMBER OF INJURIES, LOST HOLIDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP
AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST HOLIDAYS						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					TOTAL NFDL	TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL												
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):	1	-	-	2	1	-	1	6,000	-	-	135	6,000	-	68	6,000
1 - 4	-	-	-	2	2	-	2	-	-	-	135	135	-	9	135
5 - 9	-	-	-	3	3	-	3	-	-	-	28	28	-	21	28
10 - 19	-	-	-	9	9	-	9	-	-	-	189	189	-	17	189
20 - 34	-	-	-	9	9	-	9	-	-	-	149	149	-	22	149
35 - 49	-	-	-	23	24	7	31	5,000	-	-	501	6,501	-	22	271
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE MINES: STRIP:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	-	1	-	3	3	-	3	-	-	-	31	331	300	16	110
5 - 9	-	2	-	2	2	1	3	-	-	-	142	142	-	71	71
10 - 19	-	1	-	3	3	7	3	-	-	-	95	95	-	20	33
20 - 34	-	1	-	13	13	7	20	-	-	-	367	417	-	31	32
35 - 49	-	-	-	22	22	16	38	-	-	-	946	946	-	43	43
50 - 99	-	-	-	9	9	-	9	-	-	-	135	135	-	15	15
100 - 249	-	-	-	49	52	24	76	-	-	-	1,560	2,070	137	34	40
TOTAL OR AVERAGE	-	3	-	52	52	24	76	-	-	-	1,560	2,070	137	34	40
QUARRY BANK:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 9	-	-	-	2	2	-	2	-	-	-	138	138	-	68	68
10 - 19	-	-	-	5	5	-	5	-	-	-	100	100	-	20	20
20 - 34	-	-	-	1	1	-	1	-	-	-	43	43	-	43	43
TOTAL OR AVERAGE	-	-	-	8	8	2	10	-	-	-	281	281	-	35	35
DREDGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE SURFACE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	-	1	-	3	3	-	3	-	-	-	31	331	300	16	110
5 - 9	-	1	-	6	6	-	6	-	-	-	280	280	-	70	70
10 - 19	-	1	-	14	14	-	14	-	-	-	199	199	-	20	20
20 - 34	-	1	-	21	21	-	21	-	-	-	460	460	-	32	33
35 - 49	-	-	-	16	16	-	16	-	-	-	946	946	-	43	43
50 - 99	-	-	-	9	9	-	9	-	-	-	135	135	-	15	15
100 - 249	-	-	-	57	60	25	86	-	-	-	1,541	2,351	137	34	39
TOTAL OR AVERAGE	-	3	-	60	60	25	86	-	-	-	1,541	2,351	137	34	39

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

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDR	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY						TOTAL	PARTIAL					
			TOTAL	PARTIAL											
TOTAL OR AVERAGE, MINING:	1	-	1	-	1	-	4	5,000	-	300	31	6,331	300	16	1,583
1 - 4	-	-	3	-	3	-	4	-	-	-	415	415	-	69	21
5 - 9	-	-	6	-	6	-	7	-	-	-	157	157	-	17	28
10 - 19	-	-	10	-	11	-	15	-	-	50	589	649	50	27	43
20 - 34	-	-	22	-	23	-	35	-	-	-	149	946	-	43	15
35 - 49	-	-	9	-	9	-	9	-	-	-	135	135	-	15	105
50 - 99	-	-	22	-	22	-	117	5,000	-	410	2,442	8,852	137	31	-
150 - 249	-	-	9	-	9	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	-	80	-	81	-	238	5,000	-	610	5,720	13,330	87	40	75
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10 - 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROCESSING PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	-	-	1	-	1	-	4	-	-	-	4	4	-	4	4
5 - 9	-	-	18	-	18	-	22	-	-	-	924	924	-	51	32
10 - 19	-	-	11	-	11	-	18	-	-	-	350	350	-	22	28
20 - 34	-	-	26	-	27	-	33	-	-	50	701	751	50	27	43
35 - 49	-	-	21	-	22	-	28	-	-	100	2,059	2,059	50	96	94
50 - 99	-	-	13	-	15	-	16	-	-	200	290	290	50	22	26
150 - 249	-	-	90	-	94	-	121	-	-	200	4,278	4,478	50	48	48
TOTAL OR AVERAGE	-	-	94	-	94	-	238	-	-	610	5,720	13,330	87	40	75
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	1	-	4	-	5	-	8	5,000	-	300	35	6,335	300	12	1,267
1 - 4	-	-	4	-	4	-	8	-	-	-	1,339	1,339	-	56	26
5 - 9	-	-	24	-	24	-	28	-	-	60	517	577	-	25	28
10 - 19	-	-	22	-	22	-	33	-	-	100	1,400	1,400	50	27	43
20 - 34	-	-	50	-	50	-	68	-	-	50	2,208	2,208	50	72	71
35 - 49	-	-	31	-	31	-	37	-	-	100	1,336	1,336	50	35	36
50 - 99	-	-	9	-	9	-	9	-	-	-	135	135	-	15	15
150 - 249	-	-	170	-	171	-	238	5,000	-	610	5,720	13,330	87	40	75
TOTAL OR AVERAGE	1	-	7	-	7	-	238	5,000	-	610	5,720	13,330	87	40	75
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10 - 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

WORK LOCATION AND EMPLOYMENT SIZE GROUP	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				
GRAND TOTAL OR AVERAGE:	1	-	1	-	5	3	8	6,000	-	300	-	335	300	12	1,267
1 - 4	-	-	-	-	4	3	29	-	-	-	-	1,339	-	56	56
5 - 9	-	-	-	-	24	24	33	-	-	60	-	1,577	60	25	25
10 - 19	-	-	-	-	22	22	68	-	-	100	-	1,400	50	27	28
20 - 34	-	-	-	-	50	50	37	-	-	50	-	2,208	50	72	71
35 - 49	-	-	-	-	31	31	54	-	-	100	-	1,336	50	35	36
50 - 99	-	-	-	-	37	37	9	-	-	-	-	135	-	15	15
100 - 249	-	-	-	-	9	9	238	-	-	510	-	7,330	87	40	75
TOTAL OR AVERAGE:	1	-	7	170	177	60	238	6,000	-	610	-	7,330	87	40	75

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

WORK LOCATION AND EMPLOYMENT SIZE GROUP	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					
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):														
1 - 4	-	-	14	14	3	17	18,000	-	564	564	564	-	40	40
5 - 9	-	2	65	65	23	91	30,000	2,240	2,174	4,414	22,414	1,120	35	330
10 - 19	-	16	554	569	146	705	36,000	13,360	14,381	27,771	57,771	837	27	103
20 - 34	-	20	945	971	229	1,200	30,000	6,540	17,296	33,836	69,836	327	29	72
35 - 49	-	3	609	614	157	771	12,000	3,250	18,884	22,134	38,679	1,083	31	85
50 - 99	-	13	947	947	273	1,220	24,000	1,085	25,584	26,670	38,679	342	28	41
100 - 149	-	6	564	564	145	709	36,000	2,050	17,516	19,566	105,649	360	32	56
150 - 249	-	29	1,864	1,864	481	2,371	72,000	10,450	59,199	69,649	186,883	182	32	55
250 OR MORE	-	48	3,403	3,415	884	4,295	258,000	8,715	106,166	114,883	577,496	343	31	64
TOTAL OR AVERAGE	43	139	8,999	9,042	2,341	11,383	5,000	47,720	271,775	319,496	577,496	80	28	84
SURFACE MINES:														
STRIP:														
1 - 4	-	-	14	14	5	20	6,000	-	233	233	6,233	-	17	416
5 - 9	-	1	46	47	17	65	6,000	185	1,366	1,551	7,551	185	30	157
10 - 19	-	10	126	127	46	173	6,000	560	3,556	4,116	10,116	93	30	80
20 - 34	-	20	229	229	106	335	6,000	250	5,143	5,393	11,393	50	23	50
35 - 49	-	3	163	171	91	263	6,000	350	4,394	4,744	10,744	175	26	62
50 - 99	-	1	320	324	153	491	24,000	250	8,276	8,526	32,526	62	26	98
100 - 149	-	1	169	170	109	279	6,000	210	4,280	4,490	16,490	105	26	57
150 - 249	-	2	353	353	109	353	12,000	260	6,887	7,147	19,147	52	38	101
250 OR MORE	-	2	329	331	309	640	12,000	260	9,312	9,572	21,572	65	29	65
TOTAL OR AVERAGE	14	29	1,566	1,610	1,009	2,619	84,000	6,000	43,447	51,772	135,772	80	28	84
ALLEGHANY:														
1 - 4	-	-	8	8	4	12	-	-	343	343	343	-	43	43
5 - 9	-	-	2	2	3	6	-	-	163	163	163	-	43	82
10 - 19	-	-	3	3	4	11	-	-	71	71	71	-	24	24
20 - 34	-	-	7	7	4	11	-	-	93	93	93	-	13	13
TOTAL OR AVERAGE	-	-	20	20	15	35	-	-	670	670	670	-	34	34
COLUMBIAN:														
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 9	-	-	1	1	-	-	-	-	-	-	-	-	-	-
10 - 19	-	-	6	6	4	10	-	-	-	-	-	-	-	-
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	7	7	4	11	-	-	-	-	-	-	-	-
DREDGE:														
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10 - 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 52. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP
AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	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
		TOTAL	PARTIAL	TEMPO- RARY				TOTAL	PARTIAL	TOTAL NFIL				
TOTAL OR AVERAGE, SURFACE:														
1-4	1	-	-	22	23	32	9	6,000	-	-	576	-	26	286
5-9	1	-	-	46	51	73	22	6,000	-	-	1,534	185	31	151
10-19	1	-	-	128	136	189	53	6,000	-	-	3,710	93	29	76
20-34	1	-	-	230	235	346	110	6,000	-	-	5,486	50	23	49
35-49	1	-	-	169	174	263	91	6,000	-	-	4,744	175	26	62
50-99	4	-	-	320	324	491	163	24,000	-	-	8,526	62	26	99
100-149	1	1	-	166	169	279	109	6,000	6,000	-	4,276	105	26	97
150-249	2	-	-	163	163	353	163	12,000	-	-	5,887	52	38	101
250 OR MORE	2	-	-	325	331	640	369	12,000	-	-	9,572	65	29	65
TOTAL OR AVERAGE	14	1	29	1,593	1,637	2,666	1,029	84,000	6,000	2,325	44,205	80	28	83
TOTAL OR AVERAGE, MINING:														
1-4	1	-	-	36	37	49	12	6,000	-	-	1,140	-	32	193
5-9	4	-	-	112	119	164	45	24,000	-	-	3,708	808	33	253
10-19	6	-	-	689	695	894	330	36,000	-	-	13,950	534	27	98
20-34	7	-	-	1,175	1,200	1,546	546	42,000	-	-	6,790	272	28	57
35-49	6	-	-	775	786	1,094	248	36,000	-	-	3,600	720	30	80
50-99	6	5	-	1,250	1,275	1,711	436	36,000	-	-	2,335	282	27	56
100-149	5	1	-	720	729	988	254	30,000	6,000	-	21,736	282	30	82
150-249	8	-	-	2,938	2,972	4,724	644	48,000	-	-	66,086	315	32	60
250 OR MORE	14	-	-	3,680	3,746	9,939	1,193	84,000	-	-	8,975	173	31	55
TOTAL OR AVERAGE	57	1	168	10,453	10,622	14,049	3,370	342,000	6,000	50,045	315,981	288	30	67
INDEPENDENT SHOPS:														
1-4	-	-	-	7	7	10	3	-	-	-	261	-	37	37
5-9	-	-	-	7	7	14	7	-	-	-	39	-	6	6
10-19	-	-	-	12	12	12	8	-	-	-	389	-	33	33
20-34	-	-	-	8	8	16	8	-	-	-	422	-	33	33
35-49	-	-	-	4	4	6	3	-	-	-	134	-	24	24
50-99	-	-	-	5	5	8	9	-	-	-	123	-	25	25
100-149	-	-	-	5	5	14	9	-	-	-	128	-	26	26
TOTAL OR AVERAGE	-	-	-	46	46	80	32	-	-	-	1,506	-	31	31
PROCESSING PLANTS:														
1-4	1	-	-	25	26	32	6	6,000	-	-	574	60	26	257
5-9	1	2	-	52	53	64	41	6,000	-	-	1,194	55	22	136
10-19	1	-	-	134	135	192	57	6,000	-	-	3,271	73	24	69
20-34	-	-	-	184	184	262	76	-	-	-	5,248	73	29	29
35-49	-	-	-	177	184	247	76	-	-	-	5,388	77	31	32
50-99	-	-	-	167	171	271	82	-	-	-	7,154	77	36	36
100-149	1	-	-	189	189	43	13	6,000	-	-	1,027	-	35	35
150-249	1	-	-	29	30	14	11	-	-	-	27	-	9	9
TOTAL OR AVERAGE	4	-	21	766	787	1,155	364	24,000	-	1,420	23,983	68	29	61

TABLE 56. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT BITUMINOUS COAL 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	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFIDL	
		PERMANENT	TEMPO-RARY	TOTAL NFIDL				TOTAL	PARTIAL	TOTAL NFIDL					
TOTAL OR AVERAGE ALL MINES AND PLANTS:															
1-4	2	1	57	68	70	91	21	12,000	60	2,015	2,075	60	30	201	
5-9	5	5	169	174	179	272	93	30,000	2,535	4,831	7,366	507	29	209	
10-19	7	22	813	835	842	1,098	256	42,000	13,950	21,761	35,711	634	28	289	
20-34	7	32	1,362	1,392	1,396	1,824	425	42,000	7,300	21,682	44,982	228	30	72	
35-49	6	9	946	955	961	1,267	326	36,000	3,800	28,600	32,400	422	30	61	
50-99	6	26	1,437	1,463	1,469	1,950	521	36,000	1,875	40,607	42,482	72	28	53	
100-149	6	8	754	763	769	1,045	276	36,000	2,260	22,951	24,211	282	30	87	
150-249	8	34	2,041	2,075	2,083	2,738	655	48,000	10,710	66,113	76,823	315	32	160	
250 OR MORE	14	52	3,680	3,732	3,746	4,939	1,193	84,000	8,975	115,460	124,455	173	31	56	
TOTAL OR AVERAGE	61	189	11,267	11,457	11,518	15,284	3,766	365,000	6,000	340,050	397,515	272	30	66	
OFFICE:															
1-4	-	1	17	18	18	22	4	-	50	771	821	50	45	46	
5-9	-	-	1	1	1	3	2	-	-	1	1	-	1	1	
10-19	-	-	4	4	4	9	5	-	-	141	141	-	35	35	
20-34	-	-	1	1	1	6	-	-	-	35	-	-	-	-	
35-49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50-99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100-149	-	-	1	1	1	1	-	-	-	33	33	-	33	33	
TOTAL OR AVERAGE	-	1	24	25	25	41	16	-	50	981	1,031	50	41	41	
GRAND TOTAL OR AVERAGE:															
1-4	2	2	84	86	88	113	25	12,000	110	2,786	2,896	55	33	189	
5-9	5	5	170	175	180	275	95	30,000	2,535	4,832	7,367	507	28	208	
10-19	7	22	817	839	846	1,107	261	42,000	13,950	21,902	35,852	634	27	292	
20-34	7	32	1,361	1,393	1,400	1,820	430	42,000	7,300	21,727	45,027	228	28	71	
35-49	6	9	946	955	961	1,267	326	36,000	3,800	28,600	32,400	422	30	62	
50-99	6	26	1,437	1,463	1,469	1,950	521	36,000	1,875	40,607	42,482	72	28	53	
100-149	8	34	2,041	2,075	2,083	2,738	655	48,000	10,710	66,113	76,823	315	30	87	
150-249	14	52	3,680	3,732	3,746	4,939	1,193	84,000	8,975	115,460	124,455	173	31	56	
250 OR MORE	61	190	11,291	11,482	11,543	15,325	3,782	365,000	6,000	341,031	398,546	271	30	66	
TOTAL OR AVERAGE	61	190	11,291	11,482	11,543	15,325	3,782	365,000	6,000	341,031	398,546	271	30	66	

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)																	
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL																						
		TOTAL	PERMANENT	TEMPORARY		TOTAL FATAL AND NFDL																													
				PARTIAL	1																														
UNDERGROUND MINES:																																			
ALABAMA	1	6	6	333	1	339	340	118	458	13.56	178	336	514	3,586	6,754,661	15	-	15,388,042																	
ARIZONA	1	6	6	144	1	150	151	58	209	5.06	524	551	1,075	1,092	2,291,590	17	-	8,472,589																	
COLORADO	1	8	8	1,309	1	1,317	1,318	190	1,508	2.59	82	591	673	6,878	14,654,258	29	-	40,629,386																	
ILLINOIS	-	-	-	9	1	9	9	8	17	5.99	-	112	112	143	267,142	5	-	1,369,237																	
INDIANA	-	-	-	1	1	1	1	368	2,136	2.42	985	624	624	22	17,338	2	-	39,044																	
IOWA	25	37	37	1,706	1	1,743	1,748	15	1,768	6.26	2,504	406	1,391	16,887	30,451,828	649	-	95,542,553																	
KENTUCKY	1	1	1	81	1	82	83	157	1,008	7.62	-	1,052	1,052	19	479,224	2	-	1,810,944																	
MARYLAND	-	-	-	186	3	189	189	2	356	7.85	-	-	288	2,179	26,233	2	-	48,408																	
NEW MEXICO	-	-	-	6	-	6	6	8	288	7.21	-	469	469	26	4,253,490	14	-	10,605,563																	
OHIO	-	-	-	22	-	22	22	6	28	2.71	-	214	214	330	442,919	78	-	486,589																	
OKLAHOMA	-	-	-	1,137	-	1,153	1,154	402	1,556	5.47	82	616	698	7,617	14,639,664	85	-	39,417,299																	
PENNSYLVANIA	1	16	16	1,159	1	1,176	1,176	498	1,674	3.39	79	605	684	7,947	15,142,583	163	-	39,903,886																	
ANTHRACITE	-	-	-	116	-	116	119	19	138	1.53	462	313	796	1,354	2,498,224	70	-	4,657,144																	
BITUMINOUS	1	2	2	207	1	210	211	96	307	5.15	322	240	240	1,810	3,729,859	24	-	20,344,015																	
ALL COAL	6	14	14	994	1	1,008	1,014	303	1,317	4.56	541	663	1,204	7,185	13,297,807	269	-	36,298,666																	
UTAH	4	34	34	2,074	-	2,108	2,112	368	2,480	2.10	137	411	548	16,772	35,035,969	473	-	110,706,139																	
VIRGINIA	-	-	-	23	-	23	23	9	32	4.38	-	215	215	186	410,848	4	-	1,630,903																	
WEST VIRGINIA	-	-	-	22	-	22	22	5	28	2.71	-	214	214	330	442,919	78	-	486,589																	
WYOMING	42	130	130	8,327	-	8,457	8,459	213	10,622	9.93	391	468	858	67,981	128,914,189	1,461	-	386,951,135																	
TOTAL OR AVERAGE:	42	130	130	8,349	-	8,479	8,521	219	10,650	3.29	390	467	856	68,311	129,367,108	1,739	-	387,437,734																	
ANTHRACITE	-	-	-	22	-	22	22	5	28	2.71	-	214	214	330	442,919	78	-	486,589																	
BITUMINOUS	42	130	130	8,327	-	8,457	8,459	213	10,622	9.93	391	468	858	67,981	128,914,189	1,461	-	386,951,135																	
ALL COAL	42	130	130	8,349	-	8,479	8,521	219	10,650	3.29	390	467	856	68,311	129,367,108	1,739	-	387,437,734																	
SURFACE AT UNDERGROUND:																																			
ALABAMA	-	1	1	21	1	22	22	5	28	2.71	-	214	214	330	442,919	78	-	486,589																	
ARIZONA	-	-	-	12	-	12	12	5	28	2.71	-	214	214	330	442,919	78	-	486,589																	
COLORADO	-	-	-	78	-	79	79	16	95	2.55	-	147	147	186	381,454	2	14	14																	
ILLINOIS	-	-	-	2	-	2	2	1	3	8.37	-	299	299	842	1,886,535	1	16	16																	
INDIANA	-	-	-	2	-	2	2	1	3	8.37	-	299	299	842	1,886,535	1	27	27																	
IOWA	-	-	-	112	-	113	114	38	152	4.09	-	299	299	842	1,886,535	1	4	4																	
KENTUCKY	-	-	-	1	-	1	1	1	3	6.42	-	151	151	399	590,428	1	498	498																	
MARYLAND	-	-	-	16	-	16	16	17	33	7.83	-	1,425	1,425	2	2,001	14	2	2																	
NEW MEXICO	-	-	-	1	-	1	1	2	3	6.42	-	151	151	399	590,428	1	498	498																	
OHIO	-	-	-	1	-	1	1	1	3	6.42	-	151	151	399	590,428	1	498	498																	
OKLAHOMA	-	-	-	1	-	1	1	1	3	6.42	-	151	151	399	590,428	1	498	498																	
PENNSYLVANIA	-	-	-	1	-	1	1	1	3	6.42	-	151	151	399	590,428	1	498	498																	
ANTHRACITE	-	-	-	1	-	1	1	1	3	6.42	-	151	151	399	590,428	1	498	498																	
BITUMINOUS	-	-	-	1	-	1	1	1	3	6.42	-	151	151	399	590,428	1	498	498																	
ALL COAL	-	-	-	1	-	1	1	1	3	6.42	-	151	151	399	590,428	1	498	498																	
UTAH	-	-	-	10	-	10	10	12	22	9.82	-	308	308	142	2,498,224	70	-	20,344,015																	
VIRGINIA	-	-	-	65	-	66	66	31	97	4.42	-	50	50	240	452,800	1	17	17																	
WEST VIRGINIA	-	-	-	141	-	143	143	41	184	8.27	-	206	206	884	1,597,012	4	240	240																	
WYOMING	-	-	-	5	-	5	5	3	9	10.88	-	385	385	1,770	2,607,605	7	336	336																	
TOTAL OR AVERAGE:	-	-	-	1	-	1	1	1	3	6.42	-	151	151	399	590,428	1	498	498																	
ANTHRACITE	-	-	-	1	-	1	1	1	3	6.42	-	151	151	399	590,428	1	498	498																	
BITUMINOUS	-	-	-	1	-	1	1	1	3	6.42	-	151	151	399	590,428	1	498	498																	
ALL COAL	-	-	-	1	-	1	1	1	3	6.42	-	151	151	399	590,428	1	498	498																	

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

WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)	
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL						
		TOTAL	PERMANENT	TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL													TOTAL INJURIES
TOTAL OR AVERAGE, U.S.	1	7	354	361	362	1,503	0.03	9.84	9.87	3.79	13.65	184	321	485	7,335,089	16	14	15,388,042	
ALABAMA	1	6	156	162	163	226	.07	12.08	12.15	4.70	16.85	447	492	940	2,683,034	19	16	8,472,589	
COLORADO	1	9	1,397	1,396	1,397	1,603	.01	16.88	16.89	2.49	19.38	73	558	630	16,540,894	30	27	40,629,395	
ILLINOIS	1	-	1	1	1	20	-	6.96	6.96	5.70	12.66	-	141	141	315,086	5	4	1,309,297	
INDIANA	1	-	1	1	1	1	-	10.03	10.03	5.70	10.03	-	562	562	19,959	2	1	39,044	
IOWA	1	-	1	1	1	1	-	10.03	10.03	2.39	13.47	918	380	1,298	33,970,546	663	498	95,542,553	
KENTUCKY	26	38	1,818	1,856	1,882	2,288	15	10.93	11.08	2.39	13.47	2,377	785	3,163	504,773	3	2	1,810,944	
MARYLAND	1	1	82	83	84	101	.40	32.89	33.28	6.74	40.92	2,377	785	3,163	504,773	3	2	1,810,944	
MASSACHUSETTS	1	1	1	1	1	1	-	7.38	7.38	7.79	16.46	1,019	1,019	1,019	27,083	2	2	48,408	
NEW MEXICO	1	3	202	205	205	389	-	8.68	8.68	5.96	23.84	-	387	387	4,725,941	17	13	10,605,563	
OHIO	1	-	6	6	6	8	-	17.88	17.88	5.96	23.84	-	387	387	4,725,941	2	1	41,131	
OKLAHOMA	1	-	23	23	24	31	34	7.89	8.23	2.40	10.64	2,059	172	2,231	582,904	78	64	486,599	
PENNSYLVANIA	1	-	1,197	1,214	1,215	1,642	.01	15.12	15.13	5.32	20.45	75	589	664	16,056,897	92	75	38,417,299	
ANTHRACTITE	1	17	1,220	1,237	1,238	1,673	.02	14.87	14.88	5.22	20.11	144	575	719	16,638,801	170	139	39,903,888	
BITUMINOUS	2	17	1,220	1,237	1,238	1,673	.02	14.87	14.88	5.22	20.11	144	575	719	16,638,801	170	139	39,903,888	
ALL COAL	1	3	126	129	130	155	.07	9.51	9.59	1.84	11.43	442	313	755	2,712,208	70	54	4,667,144	
TENNESSEE	1	3	217	220	221	329	.05	10.52	10.57	5.16	15.73	287	219	506	4,182,579	25	17	20,344,015	
UTAH	1	15	1,059	1,074	1,080	1,414	.08	14.42	14.50	4.48	18.99	483	616	1,099	14,894,819	273	240	36,288,669	
VIRGINIA	6	36	2,215	2,251	2,255	2,664	.02	11.95	11.97	2.17	14.15	127	409	537	37,663,555	480	336	110,706,139	
WEST VIRGINIA	4	1	28	28	29	41	-	11.57	11.57	4.79	16.35	-	924	924	501,449	4	3	1,630,903	
WYOMING	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE:	1	-	23	23	24	31	34	7.89	8.23	2.40	10.64	2,059	172	2,231	582,904	78	64	486,599	
ANTHRACTITE	43	139	8,860	8,999	9,042	11,383	.06	12.66	12.72	3.29	16.01	363	449	812	142,201,998	1,703	1,303	386,951,135	
BITUMINOUS	44	139	8,860	8,999	9,042	11,414	.06	12.64	12.70	3.29	15.99	370	448	818	142,784,902	1,781	1,367	387,437,734	
ALL COAL	44	139	8,860	8,999	9,042	11,414	.06	12.64	12.70	3.29	15.99	370	448	818	142,784,902	1,781	1,367	387,437,734	

TABLE 6. - INJURY EXPERIENCE BY DEGREE, HOURS, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)																	
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL																						
		TOTAL	PERMANENT	TEMPORARY	TOTAL NFDL																														
SURFACE MINES:																																			
STRIP:																																			
ALABAMA	1	-	-	81	81	82	9	91	4.55	5.05	333	86	418	1,881	3,504,618	81	-	10,882,765																	
ALASKA	2	-	-	3	3	3	1	4	1.03	4.11	1,247	15	12	85	194,601	1	-	1,452,355																	
ARIZONA	-	-	-	7	7	9	6	15	1.62	1.56	-	-	1,267	865	1,973,913	2	-	11,973,615																	
ARKANSAS	-	-	-	19	20	20	27	47	4.41	7.67	-	-	45	22	39,887	7	-	142,706																	
COLORADO	1	3	3	117	121	121	77	196	3.21	8.26	250	45	446	2,268	1,223,864	9	-	8,961,044																	
ILLINOIS	1	1	1	105	106	107	67	174	3.17	5.16	178	92	270	3,165	4,795,148	20	-	19,515,895																	
INDIANA	-	-	-	5	5	5	2	5	5.91	5.91	-	-	268	124	6,742,687	48	-	30,800,641																	
IOWA	-	-	-	2	2	2	-	4	1.58	1.58	-	-	5	8	169,210	3	-	390,846																	
KANSAS	4	8	8	331	343	343	124	467	3.99	3.16	279	122	401	8,448	253,515	4	-	647,965																	
KENTUCKY	-	-	-	4	4	4	4	8	5.62	5.43	-	-	27	63	17,186,468	387	-	64,190,889																	
LOUISIANA	-	-	-	8	8	8	3	11	4.44	11.25	-	-	27	53	142,245	2	-	2,982,556																	
MARYLAND	-	-	-	20	20	20	14	34	1.22	4.48	-	-	55	242	496,928	24	-	1,488,163																	
MISSISSIPPI	-	-	-	26	27	27	25	52	3.54	2.70	-	-	55	586	1,131,532	8	-	3,686,861																	
MONTANA	1	-	-	36	36	36	39	75	2.92	3.61	-	-	724	515	1,852,343	7	-	37,491,770																	
NEB. NEB. IOWA	-	-	-	24	24	24	24	48	2.71	2.94	-	-	71	1,221	2,694,281	9	-	23,417,337																	
NORTH DAKOTA	2	3	3	100	103	105	82	187	2.48	4.95	355	18	18	1,967	1,939,007	152	-	29,444,950																	
OHIO	-	-	-	24	25	25	17	42	3.05	3.11	-	-	449	3,251	6,759,464	21	-	22,566,604																	
OKLAHOMA	-	-	-	54	56	56	76	132	6.41	10.77	-	-	87	422	779,634	75	-	1,945,873																	
PENNSYLVANIA:																																			
ANTHRACITE	-	-	-	49	52	52	24	76	8.87	12.97	-	-	353	724	1,172,247	75	-	1,635,253																	
BITUMINOUS	-	-	-	168	172	172	113	285	2.49	6.27	-	-	106	4,370	9,090,968	367	-	27,468,621																	
ALL COAL	-	-	-	217	224	224	137	361	2.67	7.03	-	-	134	5,084	10,263,215	442	-	29,383,874																	
TENNESSEE:																																			
ANTHRACITE	-	-	-	22	23	23	7	30	5.89	7.69	-	-	293	3,414	7,060,462	28	-	1,740,086																	
BITUMINOUS	-	-	-	114	115	115	140	235	3.26	3.97	-	-	41	3,414	7,060,462	14	-	53,669,812																	
ALL COAL	-	-	-	136	138	138	147	265	4.52	6.61	-	-	120	1,292	2,388,876	79	-	6,864,043																	
VIRGINIA:																																			
ANTHRACITE	-	-	-	41	41	41	55	96	8.24	14.38	-	-	193	689	1,334,750	2	-	5,949,049																	
BITUMINOUS	3	4	4	201	208	208	72	280	4.51	6.07	350	169	559	4,961	9,219,632	277	-	37,487,543																	
ALL COAL	-	-	-	54	56	56	76	132	1.57	3.70	-	-	44	3,518	7,131,153	27	-	170,107,539																	
TOTAL OR AVERAGE:																																			
ANTHRACITE	14	1	1	48	52	52	24	76	8.87	12.97	-	-	353	724	1,172,247	75	-	1,635,253																	
BITUMINOUS	14	1	1	1,566	1,610	1,610	1,089	2,619	3.62	5.89	189	116	305	43,905	88,888,078	1,590	-	573,888,448																	
ALL COAL	-	-	-	1,615	1,662	1,662	1,033	2,695	3.66	5.98	187	120	306	44,629	90,060,325	1,665	-	575,723,701																	
ADDER:																																			
ALABAMA	-	-	-	3	3	3	2	5	2.32	3.86	-	-	137	2	3,024	1	-	2,907																	
KENTUCKY	-	-	-	6	6	6	6	12	1.54	17.80	-	-	349	238	259,060	34	-	1,225,018																	
MARYLAND	-	-	-	6	6	6	6	12	8.90	17.80	-	-	349	2	1,280	19	-	756,653																	
CHIO	-	-	-	6	6	6	6	12	8.90	17.80	-	-	349	105	134,658	6	-	756,653																	
OKLAHOMA	-	-	-	6	6	6	6	12	8.90	17.80	-	-	349	2	180	1	-	581																	
PENNSYLVANIA:																																			
ANTHRACITE	-	-	-	11	11	11	6	17	9.26	14.31	-	-	217	45	31,016	-	-	85,257																	
BITUMINOUS	-	-	-	11	11	11	6	17	9.26	14.31	-	-	217	45	31,016	-	-	85,257																	
ALL COAL	-	-	-	11	11	11	6	17	9.26	14.31	-	-	217	12	4,676	-	-	26,965																	
TENNESSEE	-	-	-	11	11	11	6	17	9.26	14.31	-	-	217	33	22,895	6	-	74,426																	
VIRGINIA	-	-	-	11	11	11	6	17	9.26	14.31	-	-	217	260	237,627	25	-	1,532,267																	
WEST VIRGINIA	-	-	-	11	11	11	6	17	9.26	14.31	-	-	217	260	237,627	25	-	1,532,267																	
TOTAL OR AVERAGE:																																			
ANTHRACITE	-	-	-	20	20	20	15	35	5.76	4.32	-	-	193	699	694,616	-	-	3,704,348																	
BITUMINOUS	-	-	-	20	20	20	15	35	5.76	4.32	-	-	193	699	694,616	-	-	3,704,348																	
ALL COAL	-	-	-	20	20	20	15	35	5.76	4.32	-	-	193	699	694,616	-	-	3,704,348																	

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

WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)
	FATAL	NFDL				TOTAL INJURIES	FATAL	NFDL	TOTAL FATAL AND NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL					
		TOTAL	PERMANENT	TEMPORARY	TOTAL NFDL														
COLUMBIAN:	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1,824	1	-	16,833	
ALABAMA:	-	-	-	-	-	-	-	-	-	-	-	-	-	1	432	1	-	8,865	
ARKANSAS:	-	-	2	-	-	-	-	5.03	5.03	7.54	12.57	-	108	58	79,545	6	-	226,850	
ILLINOIS:	-	-	-	-	-	-	-	-	-	-	-	-	-	7	2,844	2	-	5,038	
KENTUCKY:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PENNSYLVANIA:	-	-	8	8	-	-	-	6.40	6.40	1.60	8.00	-	225	154	250,117	27	-	738,088	
ANTHRACITE:	-	-	-	-	-	-	-	-	-	-	-	-	-	76	114,740	9	-	145,882	
BITUMINOUS:	-	-	8	8	-	-	-	4.39	4.39	1.10	5.48	-	154	230	364,857	36	-	883,970	
ALL COAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3,943	2	-	11,551	
VIRGINIA:	-	-	5	5	-	-	-	10.17	10.17	2.03	12.21	-	92	72	98,312	9	-	256,330	
WEST VIRGINIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE:	-	-	8	8	2	-	-	6.40	6.40	1.60	8.00	-	225	154	250,117	27	-	738,088	
ANTHRACITE:	-	-	7	7	4	-	-	4.64	4.64	2.65	7.29	-	58	222	301,546	30	-	671,349	
BITUMINOUS:	-	-	15	15	6	-	-	5.44	5.44	2.17	7.61	-	134	376	551,763	57	-	1,409,437	
ALL COAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DREDGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	18	24,523	1	-	21,527	
ALABAMA:	-	-	-	-	-	-	-	-	-	-	-	-	-	6	12,599	1	-	42,143	
ILLINOIS:	-	-	-	-	-	-	-	-	-	-	-	-	-	42	59,051	12	-	88,739	
KENTUCKY:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	7	5,615	4	-	2,150	
ANTHRACITE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BITUMINOUS:	-	-	-	-	-	-	-	-	-	-	-	-	-	7	5,615	4	-	2,150	
ALL COAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	35	49,519	7	-	121,709	
WEST VIRGINIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	7	5,615	4	-	2,150	
ANTHRACITE:	-	-	-	-	-	-	-	-	-	-	-	-	-	101	145,692	21	-	274,118	
BITUMINOUS:	-	-	-	-	-	-	-	-	-	-	-	-	-	108	151,307	25	-	276,268	
ALL COAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)					
	FATAL	NFDL				TOTAL INJURIES	NFDL	TOTAL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL						ALL INJURIES				
		PERMANENT	TEMPORARY	TOTAL	TOTAL FATAL AND NFDL																		
																				TOTAL	PARTIAL	TOTAL	TOTAL FATAL AND NFDL
1	-	-	-	81	91	9	82	06	4.46	4.51	5.01	330	85	415	1,304	3,633,985	84	10,534,020					
ALABAMA	-	-	-	-	3	4	15	3	3.08	3.08	4.11	1,247	12	127	1,942,355	1	194,601	1	1,452,355				
ALASKA	2	-	-	-	7	6	6	9	73	94	1.56	-	19	126	11,973,615	2	1,973,989	2	11,973,615				
ARIZONA	-	-	-	-	3	3	3	3	-	-	-	-	12	12	151,571	1	40,319	1	151,571				
ARKANSAS	-	-	-	-	19	27	27	20	-	3.26	4.41	-	45	45	8,561,044	9	1,225,894	9	8,561,044				
COLORADO	-	-	-	-	119	123	123	123	04	4.99	5.03	8.35	246	194	19,784,888	27	4,887,252	27	19,784,888				
ILLINOIS	1	3	-	-	106	174	67	107	03	3.14	1.99	5.16	178	270	30,800,641	48	6,742,657	48	30,800,641				
INDIANA	1	1	-	-	5	5	5	5	-	5.91	1.58	3.16	-	268	647,965	3	169,210	3	300,846				
IOWA	-	-	-	-	2	4	4	2	-	3.91	1.44	5.39	-	124	55,508,884	4	253,519	4	647,965				
KANSAS	4	8	-	-	394	472	126	346	05	3.61	5.62	11.25	274	306	2,982,556	435	17,507,471	20	65,508,884				
KENTUCKY	-	-	-	-	4	8	4	4	-	3.62	5.62	4.47	-	27	1,498,392	2	142,246	-	2,982,556				
LOUISIANA	-	-	-	-	4	11	4	3	-	3.25	1.22	4.47	-	244	3,686,661	25	492,208	-	1,498,392				
MARYLAND	-	-	-	-	8	11	3	8	-	3.54	2.22	6.01	-	63	37,451,770	11	1,131,332	-	3,686,661				
MISSOURI	-	-	-	-	20	34	14	20	-	2.92	2.70	5.61	724	724	23,417,337	8	1,852,343	-	37,451,770				
MONTANA	-	1	-	-	26	52	23	27	-	2.92	2.92	4.95	-	71	25,444,556	7	2,654,281	-	23,417,337				
NEB. MEXICO	-	-	-	-	36	75	39	36	-	2.71	2.71	4.95	348	18	1,546,454	9	1,939,007	-	25,444,556				
NORTH DAKOTA	-	-	-	-	24	48	24	24	06	2.48	2.48	5.77	-	447	23,323,263	171	6,894,322	6	23,323,263				
OHIO	2	3	-	-	166	189	88	111	-	3.16	3.22	10.77	-	87	1,546,454	21	775,810	-	1,546,454				
OKLAHOMA	-	-	-	-	24	42	17	25	-	6.41	6.41	10.77	-	87	1,546,454	21	775,810	-	1,546,454				
PENNSYLVANIA	-	-	-	-	57	85	26	60	-	8.40	8.40	12.05	329	329	2,575,451	106	1,427,579	11	2,575,451				
ANTHRACITE	-	-	-	-	188	285	113	172	-	3.72	3.72	6.17	104	104	27,556,782	375	9,256,724	11	27,556,782				
BITUMINOUS	-	4	-	-	232	371	139	232	-	4.35	2.61	6.96	134	134	30,775,451	482	10,664,703	11	30,775,451				
ALL COAL	-	-	-	-	22	30	7	23	-	5.86	1.78	7.64	281	281	1,788,371	32	7,056,785	11	1,788,371				
TENNESSEE	-	-	-	-	114	255	140	115	-	3.26	3.97	7.23	-	41	53,659,812	14	7,056,785	4	53,659,812				
TEXAS	-	-	-	-	54	86	26	54	-	4.47	4.47	6.62	-	115	6,950,015	87	2,415,720	4	6,950,015				
VIRGINIA	-	-	-	-	41	55	25	41	-	6.14	6.24	14.38	-	105	5,049,049	2	1,334,750	-	5,049,049				
WASHINGTON	-	-	-	-	217	303	79	224	06	4.60	4.64	6.31	375	375	35,407,579	318	9,625,090	26	35,407,579				
WEST VIRGINIA	3	-	-	-	56	132	75	56	-	1.57	2.13	3.70	-	44	170,107,559	27	7,131,153	-	170,107,559				
WYOMING	-	-	-	-	221	256	75	224	-	1.57	1.57	3.70	-	44	170,107,559	27	7,131,153	-	170,107,559				
TOTAL OR AVERAGE	14	1	-	-	1,593	2,666	1,029	1,637	03	3.61	3.64	6.02	167	329	91,456,011	1,637	1,427,579	-	2,575,451				
ANTHRACITE	-	3	-	-	60	86	26	60	-	8.40	8.40	12.05	104	104	27,556,782	106	9,256,724	70	27,556,782				
BITUMINOUS	-	29	-	-	1,593	2,666	1,029	1,593	-	3.61	3.64	5.92	167	303	578,536,253	1,731	90,030,632	70	578,536,253				
ALL COAL	-	32	-	-	1,650	2,752	1,055	1,657	03	3.68	3.71	6.02	164	304	581,113,754	1,637	91,456,011	70	581,113,754				

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1985 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENT RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)
	FATAL	NFDL				TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURY RATES	FATAL	NFDL	ALL FATAL AND NFDL							
		PERMANENT	TEMPORARY	TOTAL	TOTAL FATAL AND NFDL															
														TOTAL	PARTIAL					
TOTAL OR AVERAGE - MINING:																				
ALABAMA	2	-	7	435	442	148	592	10.75	293	319	283	493	733	10,882	100	14	26,332	-	26,332	
ALASKA	2	-	-	3	5	1	4	4.11	1,247	-	15	1,262	1,251	1,201	1	-	11,452	-	11,452	
ARIZONA	1	-	7	175	182	26	273	13.38	30	30	24	54	338	3,338	26	15	17,033	-	17,033	
ARKANSAS	1	-	12	1,566	1,518	287	1,867	13.08	170	170	24	294	3,338	3,338	27	15	50,414	-	50,414	
COLORADO	2	-	1	116	117	1	194	13.08	170	170	24	294	3,338	3,338	27	15	32,109	-	32,109	
ILLINOIS	1	-	1	6	7	2	9	6.00	170	170	24	294	3,338	3,338	27	15	42,423	-	42,423	
INDIANA	1	-	1	2	3	1	4	2.00	170	170	24	294	3,338	3,338	27	15	42,423	-	42,423	
IOWA	1	-	1	2	3	1	4	2.00	170	170	24	294	3,338	3,338	27	15	42,423	-	42,423	
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KENTUCKY	30	-	46	2,152	2,198	532	2,760	10.75	599	599	292	891	51,477	51,477	1,088	518	157,051	-	157,051	
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MARYLAND	1	-	1	90	91	20	112	4.01	1,247	1,247	428	1,675	142	142	2	2	2,902	-	2,902	
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OHIO	2	-	6	308	314	272	588	10.75	207	207	173	379	11,620	11,620	188	19	31,444	-	31,444	
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PENNSYLVANIA	1	-	3	80	83	33	117	11.54	597	597	264	860	2,010	2,010	184	54	3,062	-	3,062	
ANTHRACITE	1	-	21	1,365	1,386	84	1,469	12.75	47	47	88	136	2,010	2,010	184	54	3,062	-	3,062	
BITUMINOUS	1	-	1	1	1	1	1	1.00	1	1	1	1	1	1	1	1	1	-	-	
ALL COAL	2	-	24	1,445	1,471	33	1,577	11.54	597	597	264	860	2,010	2,010	184	54	3,062	-	3,062	
TENNESSEE	1	-	4	148	152	32	185	10.75	343	343	306	649	2,010	2,010	184	54	3,062	-	3,062	
TEXAS	1	-	1	114	115	140	255	10.75	343	343	306	649	2,010	2,010	184	54	3,062	-	3,062	
UTAH	1	-	1	217	220	108	325	10.75	343	343	306	649	2,010	2,010	184	54	3,062	-	3,062	
VIRGINIA	1	-	15	1,113	1,128	1,134	1,494	10.75	343	343	306	649	2,010	2,010	184	54	3,062	-	3,062	
WASHINGTON	1	-	1	41	41	35	96	10.75	343	343	306	649	2,010	2,010	184	54	3,062	-	3,062	
WEST VIRGINIA	1	-	40	2,432	2,472	488	2,967	10.75	175	175	102	277	7,632	7,632	31	3	17,736	-	17,736	
WYOMING	7	-	3	2,432	2,472	488	2,967	10.75	175	175	102	277	7,632	7,632	31	3	17,736	-	17,736	
TOTAL OR AVERAGE:																				
ANTHRACITE	1	-	3	80	83	73	117	11.54	597	597	264	860	1,303	2,010	184	54	3,062	-	3,062	
BITUMINOUS	57	-	168	10,453	10,622	3,403	14,045	12.10	235	235	206	441	1,303	2,010	184	54	3,062	-	3,062	
ALL COAL	58	-	171	10,533	10,705	3,476	14,166	12.10	235	235	206	441	1,303	2,010	184	54	3,062	-	3,062	
INDEPENDENT SHOPS:																				
ALABAMA	-	-	-	67	67	9	106	17.62	-	-	-	-	152	176	2	-	-	-	-	
ILLINOIS	-	-	-	3	3	2	6	6.00	-	-	-	-	152	176	2	-	-	-	-	
INDIANA	-	-	-	3	3	2	6	6.00	-	-	-	-	152	176	2	-	-	-	-	
KENTUCKY	-	-	-	3	3	2	6	6.00	-	-	-	-	152	176	2	-	-	-	-	
OHIO	-	-	-	3	3	2	6	6.00	-	-	-	-	152	176	2	-	-	-	-	
OKLAHOMA	-	-	-	3	3	2	6	6.00	-	-	-	-	152	176	2	-	-	-	-	
PENNSYLVANIA	-	-	-	3	3	2	6	6.00	-	-	-	-	152	176	2	-	-	-	-	
ANTHRACITE	-	-	-	3	3	2	6	6.00	-	-	-	-	152	176	2	-	-	-	-	
BITUMINOUS	-	-	-	3	3	2	6	6.00	-	-	-	-	152	176	2	-	-	-	-	
ALL COAL	-	-	-	3	3	2	6	6.00	-	-	-	-	152	176	2	-	-	-	-	
TOTAL OR AVERAGE:																				
ANTHRACITE	-	-	-	3	3	2	6	6.00	-	-	-	-	152	176	2	-	-	-	-	
BITUMINOUS	-	-	-	3	3	2	6	6.00	-	-	-	-	152	176	2	-	-	-	-	
ALL COAL	-	-	-	3	3	2	6	6.00	-	-	-	-	152	176	2	-	-	-	-	

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORK LINE, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)	
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPORARY																
			TOTAL	PARTIAL															
PROCESSING PLANTS:																			
ALABAMA	-	-	1	-	23	30	-	4.23	4.23	1.25	5.52	-	132	132	556	1,087,700	11	14	-
ALASKA	-	-	-	-	-	7	-	-	-	-	-	-	-	-	3	10,009	-	1	-
ARIZONA	-	-	-	-	2	3	-	6.51	6.51	3.25	9.77	-	16	16	5	61,406	1	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3,395	-	-	-
COLORADO	-	-	13	-	13	20	-	11.99	11.99	6.46	18.45	-	242	242	108	216,856	5	5	-
ILLINOIS	-	-	55	-	55	74	-	5.19	5.23	1.70	6.93	-	149	149	957	2,118,478	9	26	-
INDIANA	1	-	17	-	17	29	05	3.95	3.95	2.79	6.73	-	90	90	413	861,253	13	19	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3,694	-	1	-
KANSAS	-	-	1	-	1	3	-	6.27	6.27	12.54	18.82	-	207	207	16	31,888	-	1	-
KENTUCKY	-	-	2	-	186	264	-	5.07	5.07	2.13	7.20	-	138	138	3,481	7,337,764	220	34	-
MARYLAND	-	-	1	-	6	9	-	10.32	10.32	5.16	15.47	-	547	547	99	116,335	5	1	-
MISSOURI	-	-	1	-	1	1	-	1.68	1.68	1.88	3.56	-	5	5	63	118,873	-	1	-
MONTANA	-	-	1	-	5	7	-	13.58	13.58	5.43	19.01	-	318	318	35	73,645	-	3	-
NEW MEXICO	-	-	3	-	3	14	-	4.23	4.23	15.53	19.76	-	76	76	64	141,705	-	4	-
NEW YORK	-	-	1	-	1	1	-	43.51	43.51	-	43.51	-	435	435	2	4,597	1	1	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	8,598	-	-	-
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5,193	-	1	-
OHIO	-	-	-	-	24	49	-	2.93	2.93	3.05	5.97	-	73	73	822	1,640,370	17	28	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	29,558	1	2	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	4	-	94	121	-	14.32	14.32	4.11	18.43	-	682	682	760	1,312,538	59	9	-
BITUMINOUS	-	-	4	-	123	160	-	8.08	8.08	2.43	10.52	-	381	381	1,554	3,043,188	63	54	-
ALL COAL	-	-	8	-	217	281	-	9.96	9.96	2.94	12.90	-	472	472	2,314	4,355,125	122	63	-
TENNESSEE	-	-	5	-	6	10	-	2.82	2.82	1.88	4.69	-	32	32	193	426,185	23	2	-
TEXAS	-	-	-	-	-	1	-	-	-	26.65	26.65	-	-	-	3	7,505	-	1	-
UTAH	-	-	-	-	12	19	-	8.60	8.60	5.02	13.61	-	137	137	136	279,124	5	8	-
VIRGINIA	2	6	92	-	100	182	12	5.68	5.68	4.75	10.55	685	156	851	3,451,416	77	6	-	
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	128,340	-	2	-
WEST VIRGINIA	1	6	202	-	208	272	03	5.51	5.51	1.67	7.20	159	155	314	7,556,632	155	34	-	
WYOMING	-	1	2	-	3	7	-	5.53	5.53	1.23	2.16	-	72	72	318	648,606	1	10	-
TOTAL OR AVERAGE:																			
ANTHRACITE	-	4	90	-	94	121	-	14.32	14.32	4.11	18.43	-	682	682	760	1,312,538	59	9	-
BITUMINOUS	4	21	766	-	791	1,155	03	5.38	5.38	2.48	7.85	163	163	14,193	29,472,739	611	259	-	
ALL COAL	4	25	856	-	885	1,276	03	5.73	5.73	2.55	8.31	156	185	14,953	30,725,677	670	268	-	

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

WORK LOCATION AND STATE	NUMBER OF INJURIES					TOTAL INJURIES	INCIDENT RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASST. RELATED FOR LOCATION	PRODUCTION (TONS)				
	FATAL	NFDL			TOTAL FATAL AND NFDL		FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL											
		PERMANENT	TEMPORARY	TOTAL									FATAL	NFDL						ALL FATAL AND NFDL			
																					TOTAL	FATAL	NFDL
TOTAL OR AVERAGE																							
ALL MINES AND PLANTS:																							
ALABAMA	2	-	463	471	473	184	537	10	42	196	232	426	5,457	12,227,012	13	26	26,332,074						
ALASKA	-	-	3	3	3	4	4	3	3	1,205	12	12	932	204,810	3	-	11,571,515						
ARIZONA	-	-	9	9	11	7	18	1	61	1,205	19	19	598	1,435,925	3	-	15,131,371						
ARKANSAS	-	-	188	195	196	57	253	4	55	291	345	345	75	4,125,754	23	23	17,031,533						
COLORADO	3	12	1,568	1,580	1,523	366	1,689	15	80	149	92	241	2,026	23,839,436	6	6	8,414,283						
ILLINOIS	1	1	133	134	135	90	225	1	31	149	284	284	100	3,127,833	1	1	429,890						
INDIANA	-	-	2,341	2,349	2,419	611	3,030	2	10	510	27	27	31	55,034,221	1	1	16,051,437						
IOWA	-	-	55	57	57	4	121	2	10	-	272	27	82	142,248	33	33	2,992,556						
KANSAS	30	45	23	27	24	23	35	17	21	1,075	441	441	50	1,113,407	11	11	3,208,136						
KENTUCKY	-	-	95	97	98	14	121	3	13	-	50	50	659	1,250,407	8	8	3,491,770						
LOUISIANA	-	-	31	31	32	27	59	3	13	-	709	709	80	1,925,988	1	1	23,455,745						
MARYLAND	-	-	40	40	40	50	30	43	18	-	435	435	2	2,823,057	1	1	20,444,950						
MISSOURI	-	-	1	1	1	-	1	-	-	-	-	-	1	4,558	9	9	33,528,826						
MONTANA	-	-	24	24	24	24	48	2	18	180	18	18	6,619	13,370,366	25	25	1,568,595						
NEVADA	-	-	30	30	31	19	50	4	49	-	107	107	474	880,051	2	2	23,455,745						
NEW YORK	-	-	1	1	1	-	1	-	1	-	-	-	1	8,597	1	1	20,444,950						
NORTH CAROLINA	-	-	24	24	24	24	48	2	18	180	18	18	6,619	13,370,366	25	25	1,568,595						
NORTH DAKOTA	-	-	334	340	342	300	642	2	47	-	107	107	474	880,051	2	2	23,455,745						
OHIO	2	-	30	30	31	19	50	4	49	-	107	107	474	880,051	2	2	23,455,745						
OKLAHOMA	-	-	170	177	178	50	238	14	83	354	432	432	2,120	3,393,289	246	73	3,062,090						
PENNSYLVANIA	1	7	1,484	1,509	1,510	577	2,087	42	14	42	408	450	26	26,375,055	540	140	57,117,029						
ANTHRACITE	-	25	1,654	1,656	1,558	537	2,375	76	14	42	408	486	31	31,758,345	786	140	70,179,149						
BITUMINOUS	2	32	154	155	158	38	235	306	14	76	411	486	31	31,758,345	127	213	6,425,115						
ALL COAL	1	4	194	198	195	141	235	306	14	76	411	486	31	31,758,345	127	213	6,425,115						
TENNESSEE	-	-	114	115	115	115	238	263	15	263	214	463	3	3,064,802	30	25	53,863,812						
TEXAS	-	1	228	232	233	115	348	454	15	454	214	668	21	21,137,378	30	25	20,344,015						
UTAH	1	3	1,217	1,238	1,246	453	1,700	454	15	454	176	1,420	11	11,463,040	454	250	43,245,688						
VIRGINIA	8	21	2,650	2,688	2,704	55	3,259	174	11	174	176	505	29	29,732	980	2	5,049,049						
WASHINGTON	-	-	84	88	88	92	180	-	11	-	100	100	4	8,281,214	32	13	150,114,018						
WEST VIRGINIA	-	-	170	177	178	50	238	354	14	354	432	432	2	3,393,289	246	73	3,062,090						
WYOMING	1	7	11,267	11,457	11,518	3,826	15,252	278	14	278	302	302	137	263,641,885	246	1,632	965,489,388						
TOTAL OR AVERAGE	61	189	11,457	11,534	11,636	3,826	15,322	278	14	278	302	302	137	263,641,885	246	1,705	965,489,388						
ANTHRACITE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
BITUMINOUS	60	188	11,456	11,533	11,635	3,825	15,321	277	14	277	301	301	137	263,641,885	245	1,704	965,489,387						
ALL COAL	62	190	11,458	11,536	11,638	3,828	15,324	279	14	279	303	303	137	263,641,885	248	1,706	965,489,389						

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

WORK LOCATION AND STATE	NUMBER OF INJURIES										INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)											
	FATAL	NFDL				TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL INJURIES																			
		TOTAL	PARTIAL	TEMPORARY	TOTAL NFDL										FATAL	NFDL	ALL FATAL AND NFDL						FATAL	NFDL	ALL INJURIES								
																										PERMANENT	TOTAL	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL INJURIES
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												

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

WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)		
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL							
		PERMANENT	TEMPORARY	TOTAL	TOTAL FATAL AND NFDL																	
																					TOTAL	PARTIAL
GRAND TOTAL OR AVERAGE:	2	-	453	471	473	538	.03	7.08	7.11	2.48	9.52	180	213	394	6.953	13,302,330	114	93	26,332,074			
ALABAMA	-	-	8	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1,452,365		
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,973,615		
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,151,571		
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17,033,633		
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32,414,283		
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32,109,938		
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
DELAWARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
NEW HAMPSHIRE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
RHODE ISLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,493,893		
TOTAL OR AVERAGE:	1	7	170	177	178	238	.06	9.93	9.99	3.37	13.36	337	411	748	2,234	3,563,833	251	116	3,062,090			
ANTRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,062,090		
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,062,090		
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,062,090		
WASHING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,062,090		
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,062,090		
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,062,090		

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1969

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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL					
UNDERGROUND MINES:																
ALABAMA	1	6	333	339	340	118	456	6,000	-	1,060	10,287	11,347	177	31	51	
ARIZONA	1	6	209	215	216	58	274	6,000	-	2,720	3,598	6,318	453	25	29	
COLORADO	1	8	1,309	1,317	1,318	190	1,508	6,000	-	1,990	41,320	43,310	249	42	37	
ILLINOIS	1	-	9	9	9	8	17	-	-	-	149	149	-	17	17	
INDIANA	1	-	1	1	1	1	1	-	-	-	56	56	-	56	56	
IOWA	25	37	1,706	1,743	1,768	368	2,136	150,000	-	13,885	47,921	61,806	375	28	120	
KENTUCKY	1	1	81	82	83	15	98	6,000	-	50	1,750	1,800	50	22	94	
MARYLAND	1	3	186	189	189	167	356	-	-	300	5,828	6,128	-	136	136	
NEW MEXICO	1	-	6	6	6	2	8	-	-	-	130	130	-	31	32	
OHIO	1	-	22	22	22	6	28	-	-	-	473	473	-	22	22	
OKLAHOMA	1	16	1,137	1,153	1,154	402	1,556	6,000	-	3,160	42,151	45,311	198	37	44	
PENNSYLVANIA	1	16	1,159	1,175	1,176	408	1,584	6,000	-	3,160	42,624	45,784	198	37	44	
ANTHRACITE	1	16	1,159	1,175	1,176	408	1,584	6,000	-	3,160	42,624	45,784	198	37	44	
BITUMINOUS	1	16	1,159	1,175	1,176	408	1,584	6,000	-	3,160	42,624	45,784	198	37	44	
ALL COAL	1	16	1,159	1,175	1,176	408	1,584	6,000	-	3,160	42,624	45,784	198	37	44	
TENNESSEE	1	2	116	118	119	19	138	6,000	-	150	4,322	4,472	175	31	83	
UTAH	1	3	207	210	211	96	307	36,000	-	15,300	28,767	44,067	50	21	79	
VIRGINIA	6	14	994	1,008	1,014	303	1,317	24,000	-	6,505	65,477	71,982	191	29	45	
WEST VIRGINIA	4	34	2,074	2,108	2,112	368	2,480	-	-	-	442	442	-	19	19	
WYOMING	1	-	23	23	23	9	32	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE:	42	130	8,327	8,457	8,499	2,123	10,622	252,000	-	45,470	256,357	301,826	350	22	65	
ANTHRACITE	42	130	8,327	8,457	8,499	2,123	10,622	252,000	-	45,470	256,357	301,826	350	22	65	
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SURFACE AT UNDERGROUND:																
ALABAMA	-	1	21	22	22	21	43	-	-	50	388	438	50	18	20	
COLORADO	-	-	12	12	12	5	17	-	-	-	285	285	-	24	24	
ILLINOIS	-	-	78	79	79	16	95	-	-	50	2,817	2,817	50	36	36	
INDIANA	-	-	2	2	2	3	5	-	-	-	73	73	-	36	36	
KENTUCKY	1	1	112	113	114	38	152	6,000	-	50	2,613	2,663	50	23	76	
MARYLAND	-	-	1	1	1	2	3	-	-	-	182	182	-	182	182	
MICHIGAN	-	-	16	16	16	17	33	-	-	-	501	501	-	31	31	
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PENNSYLVANIA	1	-	1	1	2	1	3	6,000	-	-	28	28	-	28	3,014	
ANTHRACITE	1	-	1	1	2	1	3	6,000	-	-	1,977	1,987	50	32	33	
BITUMINOUS	1	-	60	61	63	25	86	6,000	-	50	1,965	2,015	50	32	33	
ALL COAL	1	-	61	62	63	26	89	6,000	-	50	1,965	2,015	50	32	33	
TENNESSEE	1	1	10	11	11	6	17	-	-	50	295	345	50	30	31	
UTAH	-	-	10	10	10	12	22	-	-	-	113	113	-	11	11	
VIRGINIA	-	-	65	66	66	31	97	-	-	50	1,753	1,803	50	27	27	
WEST VIRGINIA	-	-	141	143	143	41	184	-	-	150	4,563	5,058	75	35	35	
WYOMING	-	-	5	5	5	3	9	-	-	1,800	75	1,875	1,800	15	312	
TOTAL OR AVERAGE:	1	9	533	543	543	218	761	6,000	-	2,250	15,893	18,143	250	28	3,014	
ANTHRACITE	1	9	533	543	543	218	761	6,000	-	2,250	15,893	18,143	250	28	3,014	
BITUMINOUS	1	9	533	543	543	218	761	6,000	-	2,250	15,893	18,143	250	28	3,014	
ALL COAL	1	9	533	543	543	218	761	12,000	-	2,250	15,893	18,143	250	28	3,014	

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

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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL NFDL				TOTAL	PARTIAL	TOTAL NFDL					
TOTAL OR AVERAGE, UG:															
ALABAMA	1	-	7	354	361	501	139	6,000	-	1,110	10,675	11,785	159	30	49
COLORADO	1	-	6	156	162	226	53	6,000	-	2,720	3,886	6,606	453	25	77
ILLINOIS	1	-	9	1,387	1,396	1,603	206	6,000	-	2,040	44,087	46,127	227	32	77
INDIANA	-	-	-	11	11	20	9	-	-	-	222	222	-	20	20
IOWA	-	-	-	1	1	1	-	-	-	-	56	56	-	56	56
KENTUCKY	26	-	38	1,818	1,856	2,288	406	155,000	-	13,935	50,534	64,469	367	28	117
MARYLAND	1	-	1	82	83	101	17	6,000	-	50	1,932	1,982	50	24	95
NEW MEXICO	-	-	-	1	1	1	-	-	-	-	138	138	-	138	138
OHIO	-	-	3	202	205	389	184	-	-	300	6,329	6,629	100	31	32
OKLAHOMA	-	-	-	6	6	8	2	-	-	-	130	130	-	22	22
PENNSYLVANIA:															
ANTHRACITE	1	-	-	23	23	31	7	6,000	-	-	501	501	-	22	271
BITUMINOUS	1	-	17	1,197	1,214	1,642	427	6,000	-	3,210	44,088	47,298	189	37	44
ALL COAL	2	-	17	1,220	1,237	1,673	434	12,000	-	3,210	44,589	47,799	189	37	48
TENNESSEE	1	-	3	126	129	155	25	6,000	-	400	3,842	4,242	133	30	79
UTAH	1	-	3	217	220	329	108	6,000	-	150	4,435	4,585	50	20	48
VIRGINIA	6	-	15	1,059	1,074	1,414	334	36,000	-	15,350	30,570	45,870	1,023	29	76
WEST VIRGINIA	4	-	36	2,215	2,251	2,664	499	24,000	-	6,655	70,385	81,040	185	32	45
WYOMING	-	-	1	28	29	41	12	-	-	1,800	517	2,317	1,800	18	80
TOTAL OR AVERAGE:	1	-	-	23	23	31	7	6,000	-	-	501	501	-	22	271
ANTHRACITE	43	-	139	8,860	8,999	11,383	2,341	258,000	-	47,720	271,776	319,496	343	31	64
BITUMINOUS	44	-	139	8,883	9,022	11,414	2,348	264,000	-	47,720	272,277	319,997	343	31	64
ALL COAL															

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

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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL				TOTAL	PERMANENT	TEMPORARY					TOTAL
SURFACE MINES:															
STRIP:															
ALABAMA	1	-	81	81	82	91	6,000	-	1,542	-	1,542	-	19	92	
ALASKA	-	-	3	3	3	4	-	-	12	-	12	-	4	4	
ARIZONA	2	-	7	9	9	15	12,000	-	185	-	185	-	26	1,354	
COLORADO	-	-	19	20	20	47	-	-	216	60	276	60	39	14	
ILLINOIS	1	-	117	120	121	198	6,000	-	4,523	175	4,698	58	27	88	
INDIANA	1	-	105	106	107	174	6,000	-	2,754	300	3,054	300	27	85	
IOWA	-	-	5	5	5	5	-	-	227	-	227	-	45	45	
KANSAS	-	-	2	2	2	4	-	-	6	-	6	-	3	3	
KENTUCKY	4	-	331	339	343	467	24,000	-	9,700	750	10,450	94	29	100	
LOUISIANA	-	-	4	4	4	8	-	-	19	-	19	-	5	5	
MARYLAND	-	-	8	8	8	11	-	-	154	-	154	-	19	19	
MISSOURI	-	-	20	20	20	34	-	-	310	-	310	-	16	16	
MONTANA	-	-	26	26	27	52	-	6,000	707	-	6,707	-	27	248	
NEW MEXICO	-	-	36	36	36	75	-	-	941	-	941	-	26	26	
NORTH DAKOTA	-	-	24	24	24	48	-	-	172	-	172	-	7	7	
OHIO	2	-	100	103	105	187	12,000	-	3,015	150	3,165	50	30	144	
OKLAHOMA	-	-	24	25	25	42	-	-	239	100	339	100	10	14	
PENNSYLVANIA:															
ANTHRACITE	-	-	49	52	52	76	-	-	1,660	410	2,070	137	34	40	
BITUMINOUS	-	-	168	172	172	295	-	-	4,395	210	4,605	52	27	28	
ALL COAL	-	-	217	224	224	361	-	-	6,255	620	6,875	89	25	31	
TENNESSEE	-	-	22	23	23	30	-	-	1,092	50	1,142	50	50	50	
TEXAS	-	-	114	115	115	255	-	-	1,350	100	1,450	100	12	13	
VIRGINIA	-	-	54	54	54	79	-	-	1,433	-	1,433	-	27	27	
WASHINGTON	-	-	41	41	41	96	-	-	1,288	-	1,288	-	31	31	
WEST VIRGINIA	-	-	201	205	208	280	18,000	-	7,446	335	7,781	84	37	124	
WYOMING	3	-	54	54	56	132	-	-	1,481	95	1,576	48	27	28	
TOTAL OR AVERAGE:															
ANTHRACITE	-	-	49	52	52	76	-	-	1,660	410	2,070	137	34	40	
BITUMINOUS	14	1	1,566	1,595	1,610	2,619	84,000	-	43,447	2,325	45,772	80	28	84	
ALL COAL	14	1	1,615	1,648	1,662	2,695	84,000	6,000	45,107	2,735	47,842	85	28	83	
ALLEGH:															
KENTUCKY	-	-	3	3	3	5	-	-	177	-	177	-	59	59	
OHIO	-	-	6	6	6	12	-	-	235	-	235	-	39	39	
VIRGINIA	-	-	11	11	11	17	-	-	258	-	258	-	23	23	
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE:															
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BITUMINOUS	-	-	20	20	20	35	-	-	670	-	670	-	34	34	
ALL COAL	-	-	20	20	20	35	-	-	670	-	670	-	34	34	

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

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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPORARY	TOTAL					PERMANENT	TEMPORARY	TOTAL				
CUJIM BANK: ILLINOIS PENNSYLVANIA: ANTHRACITE BITUMINOUS ALL COAL WEST VIRGINIA TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL DREDFE: ILLINOIS TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL TOTAL OR AVERAGE, SURFACE: ALABAMA ALASKA ARIZONA COLORADO ILLINOIS INDIANA IOWA KANSAS KENTUCKY LOUISIANA MARYLAND MISSOURI MONTANA NEW MEXICO NORTH DAKOTA OHIO OKLAHOMA PENNSYLVANIA: ANTHRACITE BITUMINOUS ALL COAL TENNESSEE TEXAS VIRGINIA WASHINGTON WEST VIRGINIA WYOMING TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	- 														

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

WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY						
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFDL	FATAL	PERMANENT		TOTAL NFDL	TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL			
		TOTAL	PERMANENT	PARTIAL													
TOTAL OR AVERAGE, MINING:																	
ALABAMA	2	-	7	435	442	444	148	592	12,000	-	1,110	12,217	13,327	25,327	159	28	57
ALASKA	-	-	-	3	3	3	1	4	-	-	-	12	12	12	-	4	4
ARIZONA	2	-	7	7	9	9	6	15	12,000	-	-	185	185	12,185	-	26	1,354
COLORADO	2	-	7	175	182	183	90	273	6,000	-	2,780	4,102	6,892	12,882	397	32	70
ILLINOIS	2	-	12	1,506	1,518	1,520	287	1,807	12,000	-	2,215	48,653	50,868	62,868	185	47	41
INDIANA	1	-	1	116	117	118	76	194	6,000	-	300	3,016	3,316	9,316	300	26	79
IOWA	-	-	-	6	6	6	4	6	-	-	-	283	283	283	-	47	47
KANSAS	-	-	-	2	2	2	2	4	-	-	-	6	6	6	-	3	3
KENTUCKY	30	-	46	2,152	2,158	2,228	532	2,760	180,000	-	14,685	60,411	75,085	255,085	319	28	114
LOUISIANA	-	-	-	4	4	4	4	8	-	-	-	19	19	19	-	5	5
MARYLAND	1	-	1	90	91	92	20	112	6,000	-	50	2,086	2,136	8,136	50	23	88
MISSOURI	-	-	-	20	20	20	14	34	-	-	-	310	310	310	-	16	16
MONTANA	-	-	-	26	27	27	25	52	-	6,000	-	707	6,707	6,707	-	27	248
NEW MEXICO	-	-	-	37	37	37	33	76	-	-	-	1,079	1,079	1,079	-	29	29
NORTH DAKOTA	-	-	-	24	24	24	24	48	-	-	-	172	172	172	-	7	7
OHIO	2	-	6	308	314	316	272	588	12,000	-	450	9,579	10,029	22,029	75	31	70
OKLAHOMA	-	-	1	30	31	31	19	50	-	-	100	369	469	469	100	12	15
PENNSYLVANIA:																	
ANTRACITE	1	-	3	80	83	84	33	117	6,000	-	410	2,442	2,852	8,852	137	31	105
BITUMINOUS	1	-	21	1,365	1,367	1,387	540	1,927	6,000	-	3,420	48,683	52,103	58,103	163	36	46
ALL COAL	2	-	24	1,445	1,459	1,471	573	2,044	12,000	-	3,830	51,125	54,955	66,955	160	35	74
TENNESSEE	1	-	4	148	152	153	32	185	6,000	-	450	4,934	5,384	11,384	112	12	13
TEXAS	-	-	-	114	115	115	140	265	-	-	100	1,350	1,450	1,450	100	12	13
UTAH	1	-	3	217	220	221	108	295	6,000	-	150	4,435	4,585	10,585	50	20	48
VIRGINIA	6	-	15	1,113	1,128	1,134	360	1,494	36,000	-	15,350	31,953	47,303	83,303	1,023	20	73
WASHINGTON	-	-	-	41	41	41	55	96	-	-	-	1,288	1,288	1,288	-	31	31
WEST VIRGINIA	-	-	-	2,432	2,472	2,479	488	2,967	42,000	-	6,990	78,134	85,124	127,124	175	32	51
WYOMING	-	-	3	82	85	85	88	173	-	-	1,895	1,998	3,893	3,893	632	24	46
TOTAL OR AVERAGE:																	
ANTRACITE	1	-	3	80	83	84	33	117	6,000	-	410	2,442	2,852	8,852	137	31	105
BITUMINOUS	57	-	168	10,453	10,622	10,679	3,370	14,049	342,000	6,000	50,045	315,981	373,026	714,026	298	30	67
ALL COAL	58	-	171	10,533	10,705	10,763	3,403	14,166	348,000	6,000	50,455	318,423	374,878	722,878	295	30	67
INDEPENDENT SHOPS:																	
ALABAMA	-	-	-	6	6	6	9	15	-	-	-	130	130	130	-	22	22
ALASKA	-	-	-	7	7	7	1	8	-	-	-	221	221	221	-	32	32
ILLINOIS	-	-	-	1	1	1	2	6	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	5	5	5	1	6	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	2	2	2	3	5	-	-	-	240	240	240	-	48	48
KENTUCKY	-	-	-	12	12	12	12	24	-	-	-	46	46	46	-	23	23
OHIO	-	-	-	16	16	16	4	20	-	-	-	131	131	131	-	11	11
VIRGINIA	-	-	-	16	16	16	4	20	-	-	-	738	738	738	-	46	46
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:																	
ANTRACITE	-	-	-	48	48	48	80	80	-	-	-	1,506	1,506	1,506	-	31	31
BITUMINOUS	-	-	-	48	48	48	80	80	-	-	-	1,506	1,506	1,506	-	31	31
ALL COAL	-	-	-	48	48	48	80	80	-	-	-	1,506	1,506	1,506	-	31	31

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

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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPORARY	TOTAL				TOTAL	PARTIAL					
PROCESSING PLANTS:														
ALABAMA	-	1	-	23	30	-	60	660	720	5	31	60	30	31
ARIZONA	-	-	2	2	3	-	-	5	5	262	2	-	2	2
COLORADO	-	-	13	13	20	-	-	1,578	1,578	7,578	29	-	29	135
ILLINOIS	1	-	55	55	74	6,000	-	387	387	33	23	-	23	23
INDIANA	-	-	17	17	29	-	-	33	33	5,068	33	-	33	33
KANSAS	-	-	1	1	3	-	-	100	100	318	50	50	77	27
KENTUCKY	-	2	184	186	264	-	100	4,988	5,088	3	54	50	54	53
MARYLAND	-	1	5	6	9	-	50	268	318	3	23	-	23	18
MISSOURI	-	-	1	1	7	-	-	3	3	117	10	-	10	10
MONTANA	-	-	5	5	14	-	-	54	54	10	10	-	10	10
NEH MEXICO	-	-	3	3	1	-	-	10	10	588	25	-	25	25
NEW YORK	-	-	1	1	1	-	-	-	-	4,278	48	50	48	48
OHIO	-	-	24	24	49	-	-	-	-	5,797	47	50	47	47
PENNSYLVANIA:										10,275	12	50	12	12
ANTRACITE	-	4	90	94	121	-	200	4,278	4,478	-	16	50	16	16
BITUMINOUS	-	4	119	123	160	-	200	5,587	5,797	191	24	83	24	147
ALL COAL	-	8	209	217	281	-	400	9,875	10,275	2,690	27	52	27	57
TENNESSEE	-	-	6	6	10	-	-	69	69	5,851	200	200	16	77
TEXAS	-	-	-	-	1	-	-	-	-	-	-	-	-	-
UTAH	-	-	12	12	19	-	-	-	-	2,690	16	16	16	16
VIRGINIA	2	6	92	98	182	12,000	500	2,190	2,690	14,690	83	24	24	147
WEST VIRGINIA	1	6	202	208	272	6,000	310	5,541	11,851	232	52	27	27	57
WYOMING	-	1	2	3	7	-	200	32	232	4,478	16	16	16	16
TOTAL OR AVERAGE:														
ANTRACITE	-	4	90	94	121	-	200	4,278	4,478	4,478	50	48	48	48
BITUMINOUS	4	21	755	787	1,155	24,000	1,420	22,563	23,983	47,983	68	29	29	61
ALL COAL	4	25	856	881	1,276	24,000	1,620	26,841	28,461	52,461	65	31	31	59

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

WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	NO.	TOTAL INJURIES	FATAL	NFIL		TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL
		PERMANENT	TEMPORARY	TOTAL					TOTAL	PARTIAL				
TOTAL OR AVERAGE	2	8	463	471	473	164	537	12,000	1,170	13,307	14,177	146	28	55
ALL MINES AND PLANTS:														
ALABAMA	2	-	3	3	3	1	4	12,000	-	12	12	-	4	4
ALASKA	2	-	9	9	11	7	18	12,000	-	190	190	-	21	1,108
ARIZONA	1	-	188	195	196	97	293	6,000	2,780	4,364	7,144	397	23	67
COLORADO	3	-	1,568	1,583	1,583	306	1,889	18,000	2,215	50,452	52,667	185	32	45
ILLINOIS	1	-	133	134	136	90	225	6,000	306	3,703	3,703	300	26	72
INDIANA	-	-	-	6	6	4	6	-	-	283	283	-	47	47
IOWA	-	-	3	3	3	4	6	-	-	39	39	-	13	13
KANSAS	30	48	2,341	2,369	2,419	611	3,030	180,000	14,785	65,619	80,404	302	28	108
KENTUCKY	-	-	4	4	4	4	8	6,000	100	19	19	-	5	5
LOUISIANA	1	2	95	97	98	23	121	6,000	-	2,354	2,454	50	25	86
MARYLAND	-	-	21	21	21	14	35	-	-	313	313	-	15	15
MISSOURI	-	-	31	32	32	27	58	-	6,000	804	6,804	-	27	213
MONTANA	-	-	46	40	40	50	90	-	-	1,133	1,133	-	28	28
NEBRASKA	-	-	-	1	1	1	1	-	-	10	10	-	10	10
NEVADA	-	-	24	24	24	24	48	-	-	172	172	-	7	7
NORTH CAROLINA	2	6	334	340	342	360	642	12,000	45	10,223	10,673	75	31	66
OKLAHOMA	-	-	30	31	31	19	50	-	100	365	465	100	12	15
PENNSYLVANIA:														
ANTHRACITE	1	7	170	177	178	80	238	6,000	610	6,720	7,330	87	40	75
BITUMINOUS	1	25	1,484	1,509	1,510	577	2,087	6,000	3,820	54,290	57,900	145	37	42
ALL COAL	2	32	1,654	1,686	1,688	637	2,325	12,000	4,330	61,000	65,230	132	77	117
TENNESSEE	1	-	154	158	159	36	195	6,000	350	5,003	5,453	112	32	72
TEXAS	-	-	114	115	115	141	256	-	100	1,450	1,450	100	10	13
UTAH	-	3	229	232	233	115	348	6,000	150	4,526	4,776	50	20	46
VIRGINIA	8	21	1,217	1,236	1,246	454	1,700	48,000	15,850	34,274	50,124	755	26	79
WASHINGTON	-	-	41	41	41	35	56	-	-	1,288	1,288	-	31	31
WEST VIRGINIA	8	46	2,650	2,696	2,704	355	3,259	48,000	7,300	84,413	91,713	159	32	52
WYOMING	-	4	84	88	88	92	180	-	2,095	2,030	4,125	524	24	47
TOTAL OR AVERAGE:	1	7	170	177	178	60	238	6,000	610	6,720	7,330	87	40	75
ANTHRACITE:	61	189	11,267	11,437	11,518	3,766	15,284	366,000	51,465	340,550	387,515	272	30	66
BITUMINOUS:	62	196	11,437	11,634	11,686	3,826	15,522	372,000	52,075	346,770	404,845	266	30	66
ALL COAL:														
OFFICE:														
ALABAMA	-	-	1	1	1	1	1	-	-	-	-	-	-	-
COLORADO	-	-	3	3	3	5	8	-	-	33	33	-	33	33
ILLINOIS	-	-	4	4	4	2	6	-	-	109	109	-	36	36
KENTUCKY	-	-	1	1	1	1	2	-	-	43	43	-	11	11
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:														
ANTHRACITE	-	-	5	5	5	4	9	-	-	407	407	-	81	81
BITUMINOUS	-	-	5	5	5	4	9	-	-	407	407	-	81	81
ALL COAL	-	-	1	1	1	1	1	-	-	50	50	-	50	50
UTAH	-	-	-	-	-	1	1	-	-	-	-	-	-	-
VIRGINIA	-	-	9	9	9	1	10	-	-	383	383	-	43	43
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	1	24	25	25	16	41	-	50	981	1,031	50	41	41
ANTHRACITE:	-	1	24	25	25	16	41	-	50	981	1,031	50	41	41
BITUMINOUS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST HOLIDAYS					AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL INJURIES	NFDL	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		TOTAL	TEMPORARY	TOTAL NFDL				PERMANENT					
								TOTAL	PARTIAL				
GRAND TOTAL OR AVERAGE:	2	463	8	471	638	165	12,000	-	1,170	13,007	-	28,177	55
ALABAMA	-	-	-	-	4	-	-	-	-	12	-	12	4
ALASKA	2	3	-	3	1	7	12,000	-	-	190	-	12,190	1,108
ARIZONA	-	9	-	9	18	-	-	-	-	4	-	4	21
COLORADO	1	189	7	196	294	97	6,000	2,780	-	3,497	-	7,177	67
ILLINOIS	3	1,571	12	1,583	1,897	311	18,000	-	2,215	50,561	-	70,776	45
INDIANA	1	133	1	134	225	99	6,000	-	300	3,403	-	9,703	72
IOWA	-	6	-	6	6	-	-	-	-	283	-	283	47
KANSAS	-	3	-	3	7	-	-	-	-	39	-	39	13
KENTUCKY	30	2,345	48	2,393	3,036	613	180,000	-	14,785	55,662	-	250,447	107
LOUISIANA	-	4	-	4	8	-	-	-	-	19	-	19	5
MARYLAND	1	95	2	97	121	23	6,000	-	100	2,354	-	8,454	86
MISSOURI	-	21	-	21	35	14	-	-	-	313	-	313	15
MONTANA	-	31	-	32	59	27	-	5,000	-	824	-	5,824	213
NEW MEXICO	-	40	-	40	90	50	-	-	-	1,133	-	1,133	28
NEW YORK	-	1	-	1	1	-	-	-	-	10	-	10	7
NORTH DAKOTA	-	24	-	24	48	24	12,000	-	-	172	-	172	10
OHIO	2	335	6	341	644	301	-	-	450	10,226	-	22,676	75
OKLAHOMA	-	30	1	31	50	19	-	-	100	369	-	469	166
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRACITE	1	170	7	177	238	60	6,000	-	610	6,720	-	13,330	67
BITUMINOUS	1	1,489	25	1,514	2,096	581	6,000	-	3,620	54,697	-	54,307	145
ALL COAL	2	1,658	32	1,691	2,334	641	12,000	-	4,230	61,407	-	77,637	132
TENNESSEE	1	154	4	158	195	36	6,000	-	450	5,903	-	11,453	112
TEXAS	-	114	-	115	256	141	-	-	-	1,350	-	1,450	166
UTAH	1	229	4	233	349	455	6,000	-	200	4,626	-	10,826	50
VIRGINIA	8	1,217	21	1,238	1,701	55	48,000	-	15,850	34,274	-	96,124	79
WASHINGTON	-	41	-	41	96	-	-	-	-	1,288	-	1,288	31
WEST VIRGINIA	8	2,656	46	2,702	3,269	556	48,000	-	7,300	84,796	-	140,096	159
WYOMING	-	85	4	89	182	93	-	-	2,095	2,033	-	4,128	524
TOTAL OR AVERAGE:	1	170	7	177	238	60	6,000	-	610	6,720	-	13,330	75
ANTRACITE	61	11,291	190	11,482	15,325	3,782	366,000	-	51,515	341,031	-	784,546	271
BITUMINOUS	62	11,461	197	11,659	15,563	3,842	372,000	-	52,125	347,751	-	777,876	265
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL COAL 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	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:																
EAR	-	-	24	-	24	35	59	-	04	04	05	09	-	(*)	(*)	
EYE	-	1	183	-	184	132	316	-	28	28	20	49	-	4	4	
JAW	-	-	20	-	20	21	41	-	03	03	03	06	-	(*)	(*)	
MOUTH/TEETH/TONGUE	-	-	28	-	28	96	124	-	04	04	15	19	-	1	1	
NOSE	-	-	26	-	26	22	48	-	04	04	03	07	-	(*)	(*)	
SCALP	-	-	4	-	4	6	10	-	01	01	01	02	-	(*)	(*)	
SKULL	-	-	5	-	5	5	5	-	01	01	-	-	-	(*)	(*)	
FACE	-	-	57	-	57	51	118	-	09	09	09	18	-	1	1	
HEAD, NEC	7	-	137	-	144	97	241	01	21	22	15	37	65	3	68	
NECK	1	-	357	-	358	74	432	(*)	55	55	11	57	9	17	26	
UPPER ARM	-	-	10	-	10	4	14	-	02	02	01	02	-	(*)	(*)	
ELBOW	-	-	131	-	131	29	160	-	20	20	04	25	-	6	6	
FOREARM	-	-	59	-	59	44	103	-	09	09	07	16	-	2	2	
Wrist	-	-	136	-	136	29	155	-	21	21	04	26	-	6	6	
HAND	-	-	368	-	368	157	519	-	55	55	25	80	-	12	12	
FINGER(S)	-	41	500	-	841	52	1,412	-	30	30	69	99	-	39	39	
UPPER EXTREMITIES, NEC	-	-	157	-	160	45	206	-	32	32	07	32	-	22	22	
ABDOMEN	-	-	28	-	28	6	34	-	04	04	01	02	-	1	1	
BACK	-	2	2,566	-	2,568	211	2,777	-	97	97	33	428	19	144	144	
CHEST	2	-	162	-	162	39	203	1	23	23	06	31	-	4	23	
PELVIC REGION	-	70	192	-	262	17	279	-	41	41	03	43	-	14	14	
SHOULDER(S)	-	-	289	-	289	52	341	-	45	45	08	53	-	16	16	
TRUNK, NEC	-	-	159	-	169	18	188	(*)	26	26	03	29	9	10	19	
THIGH	1	-	49	-	49	19	68	-	08	08	03	11	-	2	2	
KNEE	-	-	804	-	804	95	899	-	124	124	15	139	-	45	45	
LOWER LEG	-	-	84	-	84	18	102	-	13	13	03	16	-	6	6	
ANKLE	-	-	292	-	292	21	313	-	43	43	02	48	-	12	12	
FOOT	-	1	398	-	399	47	446	-	50	50	07	63	-	18	18	
TOE(S)	-	4	38	-	32	29	67	-	08	08	04	13	-	6	6	
LOWER EXTREMITIES, NEC	-	3	220	-	223	44	267	-	34	34	07	41	-	24	24	
BODY SYSTEMS	13	-	1,74	-	24	8	46	22	34	36	01	67	121	49	122	
MULTIPLE PARTS OF BODY	18	-	532	-	537	75	630	03	83	86	12	97	167	141	215	
UNCLASSIFIED	-	-	2	-	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)	
TOTAL OR AVERAGE	42	130	5,349	-	8,479	2,129	10,650	68	13,111	13,177	5,29	18,47	390	457	856	

TABLE 8 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL COAL 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												
															TOTAL	PARTIAL
SURFACE AT UNDERGROUND:																
EAR-----	-	-	1	21	1	21	43	-	01	01	03	-	(*)	(*)		
EYE-----	-	-	21	21	21	21	64	-	31	33	64	-	-	-		
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	09	-	-	06	09	-	-	-		
NOSE-----	-	-	-	-	-	-	06	-	-	01	06	-	-	-		
SCALP-----	-	-	3	3	3	3	13	-	07	05	13	-	-	-		
FACE, NEC-----	-	-	10	10	10	10	27	-	05	12	27	-	-	-		
HEAD, NEC-----	-	-	4	4	4	4	12	-	06	06	12	-	-	-		
NECK-----	-	-	3	3	3	3	04	-	04	05	04	-	-	-		
UPPER ARM-----	-	-	10	10	10	10	24	-	04	09	24	-	-	-		
ELBOW-----	-	-	13	13	13	13	40	-	04	04	24	-	-	-		
FOREARM-----	-	-	13	13	13	13	33	-	19	28	33	-	-	-		
WRIST-----	-	-	45	45	45	45	104	-	13	15	104	-	-	-		
HAND-----	-	-	10	10	10	10	18	-	03	04	18	-	-	-		
FINGER(S)-----	-	-	10	10	10	10	16	-	04	04	16	-	-	-		
UPPER EXTREMITIES, NEC-----	-	-	10	10	10	10	2	-	2	01	2	-	-	-		
ABDOMEN-----	-	-	10	10	10	10	12	-	10	10	12	-	-	-		
BACK-----	-	-	10	10	10	10	37	-	10	09	37	-	-	-		
CHEST-----	-	-	10	10	10	10	11	-	10	09	11	-	-	-		
PELVIC REGION-----	-	-	10	10	10	10	2	-	01	01	2	-	-	-		
SHOULDER(S)-----	-	-	10	10	10	10	27	-	07	07	27	-	-	-		
TRUNK, NEC-----	-	-	10	10	10	10	10	-	01	01	10	-	-	-		
THIGH-----	-	-	10	10	10	10	10	-	03	03	10	-	-	-		
LEG-----	-	-	10	10	10	10	10	-	03	03	10	-	-	-		
KNEE-----	-	-	10	10	10	10	10	-	03	03	10	-	-	-		
LOWER LEG-----	-	-	10	10	10	10	10	-	03	03	10	-	-	-		
ANKLE-----	-	-	10	10	10	10	10	-	03	03	10	-	-	-		
FOOT-----	-	-	10	10	10	10	10	-	03	03	10	-	-	-		
TOE(S)-----	-	-	10	10	10	10	10	-	03	03	10	-	-	-		
LOWER EXTREMITIES, NEC-----	-	-	10	10	10	10	10	-	03	03	10	-	-	-		
BODY SYSTEMS-----	-	-	10	10	10	10	10	-	03	03	10	-	-	-		
MULTIPLE PARTS OF BODY-----	-	-	10	10	10	10	10	-	03	03	10	-	-	-		
TOTAL OR AVERAGE-----	2	9	534	543	545	219	764	03	6 09	8 12	11 38	179	271	449		

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

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					INCIDENCE RATES					SEVERITY MEASURES				
	FATAL	MF DL			TOTAL FATAL AND MF DL	N DL	TOTAL INJURIES	FATAL	MF DL	ALL FATAL AND MF DL	N DL	ALL INJURIES	FATAL	N DL	ALL FATAL AND MF DL
		PERMANENT	TEMPORARY												
			TOTAL	PARTIAL											
TOTAL OR AVERAGE, UG:															
EAR-----	-	-	-	25	25	36	51	-	04	04	05	09	-	(*)	(*)
EYE-----	-	1	-	204	205	154	359	-	29	29	22	50	-	4	4
JAW-----	-	-	-	20	20	21	41	-	03	03	03	06	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	28	28	102	130	-	04	04	14	18	-	(*)	(*)
NOSE-----	-	-	-	26	26	25	52	-	04	04	04	07	-	1	1
SCALP-----	-	-	-	4	4	4	11	-	01	01	01	02	-	(*)	(*)
SKULL-----	-	-	-	5	5	-	5	-	01	01	-	01	-	(*)	(*)
FACE, NEC-----	-	-	-	62	62	65	127	-	09	09	09	18	-	1	1
HEAD, NEC-----	7	-	-	147	147	105	259	01	21	22	15	38	59	3	62
NECK-----	1	-	-	361	361	352	440	(*)	51	51	11	82	8	15	24
UPPER ARM-----	-	-	-	13	13	4	17	-	20	20	01	02	-	(*)	(*)
ELBOW-----	-	-	-	141	141	35	176	-	09	09	07	16	-	6	6
FOREARM-----	-	-	-	62	62	50	112	-	21	21	04	25	-	2	2
WRIST-----	-	-	-	149	149	32	181	-	53	53	25	78	-	6	6
HAND-----	-	-	-	377	377	377	559	-	1,24	1,24	24	30	-	11	11
FINGER(S)-----	-	-	42	845	845	887	1,519	-	24	24	06	30	-	37	37
UPPER EXTREMITIES, NEC-----	-	-	-	167	170	46	216	-	04	04	01	05	-	21	21
ABDOMEN-----	-	-	-	31	31	7	38	-	3,82	3,82	32	41	-	142	142
BACK-----	-	3	-	2,729	2,729	229	2,958	-	24	24	05	30	-	4	4
CHEST-----	2	-	-	170	172	45	217	(*)	39	39	03	42	17	14	14
PELVIC REGION-----	-	77	-	205	282	19	301	-	43	43	08	51	-	15	15
SHOULDER(S)-----	-	-	-	310	310	56	366	-	26	26	03	28	-	9	9
TRUNK, NEC-----	1	-	-	183	184	19	203	(*)	08	08	03	10	8	2	2
THIGH-----	-	-	-	54	54	20	74	-	1,18	1,18	15	33	-	43	43
KNEE-----	-	-	-	846	846	104	950	-	13	13	03	15	-	6	6
LOWER LEG-----	-	-	-	90	90	19	109	-	45	45	03	48	-	11	11
ANKLE-----	-	-	-	321	321	23	344	-	50	50	08	68	-	17	17
FOOT-----	-	1	-	426	427	57	484	-	09	09	04	13	-	5	5
TOE(S)-----	-	4	-	57	61	32	93	-	33	33	07	40	-	23	23
LOWER EXTREMITIES, NEC-----	-	3	-	235	236	51	287	-	02	02	02	08	118	1	119
BODY SYSTEMS-----	14	-	-	29	29	12	35	-	80	82	11	94	150	46	205
MULTIPLE PARTS OF BODY-----	19	-	-	564	569	80	668	-	(*)	(*)	-	-	-	(*)	(*)
UNCLASSIFIED-----	-	-	-	2	2	-	2	-	06	12,54	12,70	3,29	370	448	818
TOTAL OR AVERAGE-----	44	139	-	8,883	9,022	2,348	11,414	06	12,54	12,70	3,29	15,99	370	448	818

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL COAL 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	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPORARY												
			TOTAL	PARTIAL											
SURFACE MINES:															
STRIP:	-	-	-	2	2	4	6	-	(*)	(*)	.01	.01	-	(*)	(*)
EAR:	-	-	-	61	61	133	194	-	14	14	.30	.43	-	1	1
EYE:	-	-	-	-	-	-	9	-	-	-	.02	.06	-	-	-
JAW:	-	-	-	4	4	23	27	-	01	01	.05	.03	-	(*)	(*)
MOUTH/TEETH/TONGUE:	-	-	-	2	2	11	13	-	(*)	(*)	.02	.03	-	(*)	(*)
NOSE:	-	-	-	1	1	4	5	-	(*)	(*)	.01	.01	-	(*)	(*)
SCALP:	-	-	-	-	-	-	1	-	-	-	-	(*)	13	-	(*)
SKULL:	-	-	-	9	9	19	28	-	02	.02	.04	.06	-	(*)	(*)
FACE, NEC:	-	-	-	26	26	52	79	(*)	.06	.06	.12	.18	13	1	14
HEAD, NEC:	1	-	-	49	49	116	65	-	11	.11	.04	.14	4	(*)	(*)
NECK:	-	-	-	3	3	15	11	-	01	.01	.01	.02	-	1	1
UPPER ARM:	-	-	-	24	24	43	27	-	05	.05	.04	.06	-	(*)	(*)
FOREARM:	-	-	-	10	10	16	27	-	02	.02	.04	.10	-	2	2
Wrist:	-	-	-	29	29	67	45	-	11	.11	.15	.25	-	2	2
HAND:	-	-	-	49	49	108	116	-	27	.27	.47	.73	-	9	9
FINGER(S):	-	-	-	12	12	21	30	-	06	.06	.05	.11	-	2	2
UPPER EXTREMITIES, NEC:	-	-	-	29	29	7	14	-	02	.02	.02	.03	-	(*)	(*)
ABDOMEN:	-	-	-	7	7	157	646	-	1.09	1.09	.04	.14	-	49	49
BACK:	-	-	-	489	489	20	62	-	09	.09	.04	.14	-	2	2
CHEST:	-	-	-	42	42	13	58	-	12	.12	.03	.15	-	3	3
PELVIC REGION:	-	-	-	54	54	20	74	-	08	.08	.04	.15	-	2	2
SHOULDER(S):	-	-	-	35	35	5	41	-	12	.12	.04	.15	-	3	3
TRUNK, NEC:	-	-	-	13	13	14	27	-	08	.08	.01	.09	-	1	1
THIGH:	-	-	-	22	22	42	162	-	03	.03	.03	.35	-	7	7
KNEE:	-	-	-	120	120	18	40	-	27	.27	.39	.68	-	3	3
LOWER LEG:	-	-	-	99	99	9	108	-	05	.05	.04	.09	-	2	2
ANKLE:	-	-	-	54	54	14	59	-	22	.22	.02	.24	-	5	5
FOOT:	-	-	-	5	5	2	7	-	12	.12	.03	.15	-	3	3
TOE(S):	-	-	-	51	51	27	78	-	01	.01	.01	.06	-	(*)	(*)
LOWER EXTREMITIES, NEC:	-	-	-	10	10	10	24	-	11	.11	.06	.17	-	4	4
BODY SYSTEMS:	4	-	-	169	169	46	223	.01	.02	.03	.02	.05	53	(*)	54
MULTIPLE PARTS OF BODY:	8	-	-	2	2	1	3	.02	.38	.39	.10	.50	107	(*)	123
UNCLASSIFIED:	-	-	-	-	-	-	-	-	(*)	(*)	(*)	.01	-	-	-
TOTAL OR AVERAGE:	14	1	32	1,515	1,648	1,033	2,695	.03	3.66	3.69	2.29	5.98	187	120	306

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL LOCAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					INCIDENCE RATES					SEVERITY MEASURES					
	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												
				PARTIAL	TOTAL											
																TOTAL
AUGER:	-	-	-	-	-	1	1	-	-	.29	.29	-	-	-	3	3
NOSE:	-	-	-	-	-	1	1	-	-	.29	.29	-	-	-	9	9
HEAD, NEC:	-	-	-	-	-	1	1	-	-	.29	.29	-	-	-	-	-
HEAD:	-	-	-	-	-	1	1	-	-	.29	.29	-	-	-	-	-
UPPER ARM:	-	-	-	-	-	1	1	-	-	.29	.29	-	-	-	-	-
ELBOW:	-	-	-	-	-	1	1	-	-	.29	.29	-	-	-	-	-
FOREARM:	-	-	-	-	-	1	1	-	-	.29	.29	-	-	-	-	-
WRIST:	-	-	-	-	-	7	7	-	-	.58	.58	-	-	-	60	60
FINGER (S):	-	-	-	-	-	2	2	-	-	.58	.58	-	-	-	1	1
BACK:	-	-	-	-	-	4	4	-	-	.29	.29	-	-	-	21	21
CHEST:	-	-	-	-	-	1	1	-	-	.29	.29	-	-	-	2	2
SHOULDER (S):	-	-	-	-	-	1	1	-	-	.29	.29	-	-	-	1	1
SHOULDER:	-	-	-	-	-	1	1	-	-	.29	.29	-	-	-	1	1
KNEE:	-	-	-	-	-	1	1	-	-	.29	.29	-	-	-	6	6
LOWER LEG:	-	-	-	-	-	1	1	-	-	.29	.29	-	-	-	72	72
ANKLE:	-	-	-	-	-	4	4	-	-	1.15	1.15	-	-	-	14	14
FOOT:	-	-	-	-	-	1	1	-	-	.29	.29	-	-	-	3	3
TOE (S):	-	-	-	-	-	2	2	-	-	.58	.58	-	-	-	193	193
LOWER EXTREMITIES, NEC:	-	-	-	-	-	2	2	-	-	.58	.58	-	-	-	-	-
MULTIPLE PARTS OF BODY:	-	-	-	-	-	20	20	-	-	5.76	5.76	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	-	-	35	15	20	-	5.76	5.76	-	-	-	-	-
CULM BANK:	-	-	-	-	-	1	1	-	-	.36	.36	-	-	-	1	1
EYE:	-	-	-	-	-	1	1	-	-	.36	.36	-	-	-	22	22
FACE, NEC:	-	-	-	-	-	1	1	-	-	.36	.36	-	-	-	-	-
FACE:	-	-	-	-	-	1	1	-	-	.36	.36	-	-	-	-	-
WRIST:	-	-	-	-	-	1	1	-	-	.36	.36	-	-	-	3	3
HAND:	-	-	-	-	-	1	1	-	-	.36	.36	-	-	-	2	2
FINGER (S):	-	-	-	-	-	3	3	-	-	.72	.72	-	-	-	29	29
UPPER EXTREMITIES, NEC:	-	-	-	-	-	6	6	-	-	1.81	1.81	-	-	-	2	2
BACK:	-	-	-	-	-	1	1	-	-	.36	.36	-	-	-	9	9
CHEST:	-	-	-	-	-	1	1	-	-	.36	.36	-	-	-	14	14
PELVIC REGION:	-	-	-	-	-	1	1	-	-	.36	.36	-	-	-	2	2
TRUNK, NEC:	-	-	-	-	-	1	1	-	-	.36	.36	-	-	-	9	9
TRUNK:	-	-	-	-	-	1	1	-	-	.36	.36	-	-	-	14	14
KNEE:	-	-	-	-	-	1	1	-	-	.36	.36	-	-	-	2	2
ANKLE:	-	-	-	-	-	2	2	-	-	.72	.72	-	-	-	51	51
FOOT:	-	-	-	-	-	15	15	-	-	5.44	5.44	-	-	-	134	134
TOTAL OR AVERAGE:	-	-	-	-	-	21	6	15	-	5.44	5.44	-	-	-	-	-
DREDGE:	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FACE, NEC:	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL COAL OPERATIONS IN THE UNITED STATES, 1985 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES					
	FATAL	PERMANENT			TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PARTIAL		TOTAL													
		PARTIAL															
		PARTIAL															
TOTAL OR AVERAGE, SURFACE:																	
EAR-----	-	-	-	2	62	2	2	4	5	-	(*)	(*)	.01	.43	-	(*)	(*)
EYE-----	-	-	-	62	-	-	-	133	195	-	(*)	(*)	.29	.06	-	(*)	(*)
JAW-----	-	-	-	-	-	-	-	9	27	-	(*)	(*)	.05	.03	-	(*)	(*)
MOUTH/TEETH/TONGUE	-	-	-	4	-	-	-	23	14	-	(*)	(*)	.03	.01	-	(*)	(*)
NOSE-----	-	-	-	2	2	2	2	12	5	-	(*)	(*)	.01	.01	-	(*)	(*)
SCALP-----	-	-	-	1	-	-	-	4	1	-	(*)	(*)	.04	.04	-	(*)	(*)
SKULL-----	1	-	-	-	-	-	-	20	30	(*)	(*)	(*)	.02	.02	13	(*)	(*)
FACE, NEC-----	-	-	-	10	-	-	-	52	80	(*)	(*)	(*)	.11	.11	1	(*)	(*)
HEAD, NEC-----	1	-	-	27	-	-	-	15	65	-	(*)	(*)	.03	.03	4	(*)	(*)
NECK-----	-	-	-	49	-	-	-	7	12	-	(*)	(*)	.05	.05	-	(*)	(*)
UPPER ARM-----	-	-	-	5	-	-	-	19	44	-	(*)	(*)	.02	.02	-	(*)	(*)
ELBOW-----	-	-	-	25	-	-	-	10	28	-	(*)	(*)	.11	.11	-	(*)	(*)
FOREARM-----	-	-	-	10	-	-	-	18	47	-	(*)	(*)	.06	.06	-	(*)	(*)
WRIST-----	-	-	-	29	-	-	-	29	117	-	(*)	(*)	.04	.04	-	(*)	(*)
HAND-----	-	-	-	49	-	-	-	68	342	-	(*)	(*)	.07	.07	-	(*)	(*)
FINGER(S)-----	-	-	-	111	-	-	-	219	51	-	(*)	(*)	.02	.02	-	(*)	(*)
UPPER EXTREMITIES, NEC-----	-	-	-	30	-	-	-	7	14	-	(*)	(*)	.05	.05	-	(*)	(*)
ABDOMEN-----	-	-	-	7	-	-	-	160	656	-	(*)	(*)	.08	.08	-	(*)	(*)
BACK-----	-	-	-	496	-	-	-	44	83	-	(*)	(*)	.10	.10	-	(*)	(*)
CHEST-----	-	-	-	44	-	-	-	21	69	-	(*)	(*)	.12	.12	-	(*)	(*)
PELVIC REGION-----	-	-	-	55	-	-	-	14	75	-	(*)	(*)	.03	.03	-	(*)	(*)
SHOULDER(S)-----	-	-	-	36	-	-	-	20	42	-	(*)	(*)	.08	.08	-	(*)	(*)
TRUNK, NEC-----	-	-	-	36	-	-	-	6	27	-	(*)	(*)	.03	.03	-	(*)	(*)
THIGH-----	-	-	-	13	-	-	-	14	164	-	(*)	(*)	.27	.27	-	(*)	(*)
KNEE-----	-	-	-	122	-	-	-	42	110	-	(*)	(*)	.05	.05	-	(*)	(*)
LOWER LEG-----	-	-	-	23	-	-	-	18	41	-	(*)	(*)	.22	.22	-	(*)	(*)
ANKLE-----	-	-	-	101	-	-	-	9	75	-	(*)	(*)	.13	.13	-	(*)	(*)
FOOT-----	-	-	-	60	-	-	-	14	8	-	(*)	(*)	.01	.01	-	(*)	(*)
TOE(S)-----	-	-	-	6	-	-	-	2	28	-	(*)	(*)	.12	.12	-	(*)	(*)
LOWER EXTREMITIES, NEC-----	-	-	-	53	-	-	-	14	24	-	(*)	(*)	.03	.03	-	(*)	(*)
BODY SYSTEMS-----	4	-	-	10	-	-	-	46	225	-	(*)	(*)	.37	.37	-	(*)	(*)
MULTIPLE PARTS OF BODY-----	8	-	-	171	-	-	-	2	3	-	(*)	(*)	.02	.02	-	(*)	(*)
UNCLASSIFIED-----	-	-	-	2	-	-	-	1	1	-	(*)	(*)	.01	.01	-	(*)	(*)
TOTAL OR AVERAGE-----	14	1	32	1,650	1,683	1,697	2,752	1,055	3	03	3.68	3.71	2.31	5.02	184	120	304

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

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						TOTAL INJURIES	INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL		FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY													
			TOTAL	PARTIAL												
TOTAL OR AVERAGE, MINING																
EAR-----	-	-	27	-	27	27	40	57	-	02	02	03	06	-	(*)	(*)
EYE-----	-	1	266	-	267	267	287	554	-	23	23	25	47	-	3	3
JAW-----	-	-	20	-	20	20	30	50	-	02	02	03	04	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	32	-	32	32	125	157	-	03	03	11	13	-	(*)	(*)
NOSE-----	-	-	28	-	28	28	38	66	-	02	02	03	06	-	(*)	(*)
SCALP-----	-	-	5	-	5	5	11	16	-	(*)	(*)	01	01	-	(*)	(*)
SKULL-----	1	-	5	-	5	6	-	6	(*)	(*)	01	-	01	5	(*)	5
FACE, NEC-----	-	-	72	-	72	72	85	157	-	06	06	07	13	-	1	1
HEAD, NEC-----	8	-	174	-	174	182	157	339	01	15	15	13	29	41	2	43
NECK-----	1	-	410	-	410	411	54	505	(*)	25	25	08	43	5	11	16
UPPER ARM-----	-	-	18	-	18	18	11	23	-	02	02	01	02	-	(*)	(*)
ELBOW-----	-	-	166	-	166	166	54	220	-	14	14	05	19	-	4	4
FOREARM-----	-	-	72	-	72	72	68	140	-	06	06	06	12	-	1	1
WRIST-----	-	-	178	-	178	178	50	228	-	15	15	04	19	-	4	4
HAND-----	-	-	426	-	426	426	250	676	-	36	36	21	58	-	8	8
FINGER(S)-----	-	54	956	-	1,010	1,010	851	1,861	-	85	85	73	159	-	26	26
UPPER EXTREMITIES, NEC-----	-	3	197	-	200	200	67	267	-	17	17	06	23	-	13	13
ABDOMEN-----	-	-	38	-	38	38	14	52	-	03	03	01	04	-	1	1
BACK-----	-	3	3,221	-	3,225	3,225	389	3,614	-	2	2	33	309	-	105	105
CHEST-----	2	-	214	-	214	216	66	282	(*)	18	18	06	24	10	3	3
PELVIC REGION-----	-	96	337	-	337	337	33	370	-	29	29	03	32	-	10	10
SHOULDER(S)-----	-	-	365	-	365	365	76	441	-	31	31	06	38	-	10	10
TRUNK, NEC-----	1	-	219	-	219	220	25	245	(*)	19	19	02	21	5	6	11
THIGH-----	-	-	67	-	67	67	34	101	-	06	06	03	09	-	1	1
KNEE-----	-	-	968	-	968	968	146	1,114	-	83	83	12	95	-	29	29
LOWER LEG-----	-	-	113	-	113	113	37	150	-	10	10	03	13	-	5	5
ANKLE-----	-	-	422	-	422	422	32	454	-	36	36	03	39	-	9	9
FOOT-----	-	2	486	-	488	488	71	559	-	42	42	06	48	-	12	12
TOE(S)-----	-	4	63	-	67	67	34	101	-	06	06	03	09	-	3	3
LOWER EXTREMITIES, NEC-----	-	3	286	-	289	289	79	368	-	25	25	07	31	-	15	15
BODY SYSTEMS-----	18	-	39	-	39	39	22	79	02	03	05	02	07	92	1	93
MULTIPLE PARTS OF BODY-----	27	-	735	-	740	740	126	893	02	63	65	11	76	138	34	173
UNCLASSIFIED-----	-	-	4	-	4	4	1	5	-	(*)	(*)	(*)	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	58	1	10,533	171	10,705	10,763	3,403	14,166	05	9.14	9.19	2.91	12.10	297	320	617

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL COAL 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
INDEPENDENT SHOPS:																	
EYE-----	-	-	-	1	1	1	8	9	.11	.11	.85	.96	-	(*)	(*)		
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	2	3	.11	.11	.21	.32	-	4	4		
FACE, NEC-----	-	-	-	1	1	1	-	1	.11	.11	-	.11	-	(*)	(*)		
NECK-----	-	-	-	2	2	2	-	2	.21	.21	-	.21	-	4	4		
ELBOW-----	-	-	-	1	1	1	-	1	.11	.11	-	.11	-	(*)	(*)		
FOREARM-----	-	-	-	1	1	1	1	3	.11	.11	.11	.11	-	-	-		
HAND-----	-	-	-	2	2	2	1	5	.21	.21	1.17	1.32	-	10	10		
FINGER(S)-----	-	-	-	5	5	5	11	16	.53	.53	1.17	1.71	-	9	9		
UPPER EXTREMITIES, NEC-----	-	-	-	2	2	2	1	3	.21	.21	.11	.32	-	3	3		
ABDOMEN-----	-	-	-	2	2	2	3	5	1.71	1.71	.32	2.03	-	4	4		
BACK-----	-	-	-	16	16	16	3	19	.11	.11	-	.11	-	88	88		
PELVIC REGION-----	-	-	-	1	1	1	-	1	.11	.11	-	.11	-	7	7		
SHOULDER(S)-----	-	-	-	1	1	1	-	1	.11	.11	-	.11	-	5	5		
TRUNK, NEC-----	-	-	-	1	1	1	-	1	.11	.11	-	.11	-	10	10		
KNEE-----	-	-	-	4	4	4	1	5	.43	.43	.11	.53	-	(*)	(*)		
LOWER LEG-----	-	-	-	1	1	1	-	1	.11	.11	-	.11	-	(*)	(*)		
ANKLE-----	-	-	-	1	1	1	-	1	.11	.11	-	.11	-	3	3		
TOE(S)-----	-	-	-	2	2	2	1	3	.21	.21	.11	.32	-	3	3		
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	1	3	.11	.11	.11	.32	-	1	1		
BODY SYSTEMS-----	-	-	-	2	2	2	1	3	.21	.21	.11	.32	-	6	6		
MULTIPLE PARTS OF BODY-----	-	-	-	1	1	1	2	2	.11	.11	.21	.21	-	-	-		
TOTAL OR AVERAGE-----	-	-	-	48	48	48	32	80	5.12	5.12	3.41	8.53	-	161	161		

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL COAL 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	PARTIAL											
PROCESSING PLANTS:															
EAR-----	-	-	-	3	3	7	10	-	.02	.02	.05	.07	-	(*)	(*)
EYE-----	-	-	-	30	30	41	71	-	.20	.20	.27	.46	-	1	1
JAW-----	-	-	-	1	1	1	2	-	.01	.01	.01	.01	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	8	9	-	.01	.01	.05	.06	-	(*)	(*)
NOSE-----	-	-	-	-	-	3	3	-	-	-	.02	.02	-	-	-
SCALP-----	-	-	-	1	1	1	2	-	.01	.01	.01	.01	-	(*)	(*)
FACE, NEC-----	-	-	-	5	5	7	12	-	.03	.03	.05	.08	-	1	1
HEAD, NEC-----	-	-	-	12	12	26	38	-	.08	.08	.17	.25	-	3	3
NECK-----	-	-	-	18	18	4	22	-	.12	.12	.03	.14	-	4	4
UPPER ARM-----	-	-	-	3	3	3	3	-	.02	.02	-	.02	-	(*)	(*)
ELBOW-----	-	-	-	11	11	7	18	-	.07	.07	.05	.12	-	1	1
FOREARM-----	-	-	-	10	10	10	20	-	.07	.07	.07	.13	-	2	2
WRIST-----	-	-	-	14	14	14	28	-	.09	.09	.09	.18	-	3	3
HAND-----	-	-	-	30	30	25	55	-	.20	.20	.16	.36	-	4	4
FINGER(S)-----	-	-	-	63	68	107	175	-	.44	.44	.70	1.14	-	14	14
UPPER EXTREMITIES, NEC-----	-	-	-	20	20	5	25	-	.13	.13	.03	.16	-	4	4
ABDOMEN-----	-	-	-	10	10	1	11	-	.07	.07	.01	.07	-	1	1
BACK-----	-	-	-	259	259	33	292	-	1.69	1.69	.21	1.90	-	66	66
CHEST-----	-	-	-	27	27	11	38	-	.18	.18	.07	.25	-	4	4
PELVIS REGION-----	-	-	-	13	13	4	17	-	.21	.21	.03	.24	-	9	9
SHOULDER(S)-----	-	-	-	21	21	7	28	-	.14	.14	.05	.18	-	10	10
TRUNK, NEC-----	-	-	-	16	16	3	19	-	.10	.10	.02	.12	-	2	2
THIGH-----	-	-	-	4	4	4	8	-	.03	.03	.03	.05	-	(*)	(*)
KNEE-----	-	-	-	86	86	12	98	-	.56	.56	.08	.64	-	16	16
LOWER LEG-----	-	-	-	15	15	3	18	-	.10	.10	.02	.12	-	4	4
ANKLE-----	-	-	-	45	45	4	49	-	.29	.29	.03	.32	-	7	7
FOOT-----	-	-	-	36	36	8	44	-	.23	.23	.05	.29	-	5	5
TOE(S)-----	-	-	-	6	6	3	9	-	.04	.04	.02	.06	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	-	27	27	17	44	-	.18	.18	.11	.29	-	3	3
BODY SYSTEMS-----	1	-	-	6	6	7	10	.01	.04	.05	.02	.07	.39	1	40
MULTIPLE PARTS OF BODY-----	3	-	-	61	64	12	76	.02	.40	.42	.08	.49	117	16	134
UNCLASSIFIED-----	-	-	-	2	2	-	2	-	.01	.01	-	.01	-	(*)	(*)
TOTAL OR AVERAGE-----	4	25	856	881	885	391	1,276	.03	5.73	5.76	2.55	8.31	156	185	341

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL COAL 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	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPORARY											
			TOTAL	PARTIAL										
TOTAL OR AVERAGE.														
ALL MINES AND PLANTS:														
EAR-----	-	-	30	-	30	77	-	.02	.02	.04	.06	-	(*)	3
EYE-----	-	1	297	-	298	634	-	.22	.22	.25	.48	-	(*)	3
JAW-----	-	-	21	-	21	52	-	.02	.02	.04	.04	-	(*)	3
MOUTH/TEETH/TONGUE-----	-	-	34	-	34	169	-	.03	.03	.10	.13	-	(*)	3
NOSE-----	-	-	28	-	28	69	-	.02	.02	.03	.05	-	(*)	3
SCALP-----	-	-	6	-	6	18	-	(*)	(*)	.01	.01	-	(*)	5
SKULL-----	1	-	5	-	5	6	(*)	(*)	(*)	-	(*)	4	(*)	5
FACE, NEC-----	-	-	78	-	78	170	-	.06	.06	.07	.13	-	1	38
HEAD, NEC-----	8	-	186	-	186	377	.01	.14	.15	.14	.28	36	2	14
NECK-----	1	-	430	-	430	529	(*)	.32	.32	.07	.40	4	10	14
UPPER ARM-----	-	-	21	-	21	32	-	.02	.02	.01	.02	-	(*)	3
ELBOW-----	-	-	178	-	178	239	-	.13	.13	.05	.18	-	3	3
FOREARM-----	-	-	82	-	82	161	-	.06	.06	.06	.12	-	2	4
WRIST-----	-	-	192	-	192	256	-	.14	.14	.05	.19	-	4	4
HAND-----	-	-	458	-	458	734	-	.34	.34	.21	.55	-	7	7
FINGER(S)-----	-	59	1,024	-	1,083	2,052	-	.81	.81	.73	1.54	-	25	25
UPPER EXTREMITIES, NEC-----	-	3	219	-	222	294	-	.17	.17	.05	.22	-	12	12
ABDOMEN-----	-	-	50	-	50	66	-	.04	.04	.01	.05	-	1	101
BACK-----	-	1	3,486	-	3,500	3,925	-	2.62	2.62	.32	.94	-	101	12
CHEST-----	2	-	241	-	243	320	(*)	.18	.18	.06	.24	9	3	10
PELVIC REGION-----	-	116	255	-	257	408	-	.28	.28	.03	.31	-	10	10
SHOULDER(S)-----	-	-	387	-	387	470	-	.29	.29	.06	.35	-	10	10
TRUNK, NEC-----	1	-	236	-	237	265	(*)	.18	.18	.02	.20	4	5	10
THIGH-----	-	-	71	-	71	109	-	.05	.05	.03	.08	-	1	28
KNEE-----	-	-	1,058	-	1,058	1,217	-	.79	.79	.12	.91	-	28	28
LOWER LEG-----	-	-	129	-	129	159	-	.10	.10	.03	.13	-	4	4
ANKLE-----	-	-	468	-	468	504	-	.35	.35	.03	.38	-	9	9
FOOT-----	-	2	524	-	526	606	-	.39	.39	.06	.45	-	11	11
TOE(S)-----	-	4	74	-	74	111	-	.06	.06	.03	.08	-	3	3
LOWER EXTREMITIES, NEC-----	-	3	315	-	318	415	-	.24	.24	.07	.31	-	14	14
BODY SYSTEMS-----	19	-	46	-	46	90	.01	.03	.05	.02	.07	85	1	86
MULTIPLE PARTS OF BODY-----	30	-	796	-	801	971	.02	.60	.62	.10	.73	135	32	167
UNCLASSIFIED-----	-	-	6	-	6	7	-	(*)	(*)	(*)	.01	-	(*)	(*)
TOTAL OR AVERAGE-----	62	1	11,437	-	11,634	15,522	.05	8.72	8.77	2.87	11.63	279	303	582

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL				
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL INJURIES															
																	TOTAL	PARTIAL	TOTAL	INJURIES
OFFICE:																				
EYE-----																				
SKULL-----																				
FACE, NEC-----																				
HEAD, NEC-----																				
NECK-----																				
WRIST-----																				
FINGER(S)-----																				
UPPER EXTREMITIES, NEC-----																				
BACK-----																				
PELVIC REGION-----																				
SHOULDER(S)-----																				
KNEE-----																				
LOWER LEG-----																				
ANKLE-----																				
FOOT-----																				
TOE(S)-----																				
LOWER EXTREMITIES, NEC-----																				
MULTIPLE PARTS OF BODY-----																				
TOTAL OR AVERAGE-----																				

TABLE BA. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ANTHRACITE COAL 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	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPORARY	TOTAL NFDL											
UNDERGROUND MINES:															
UNDERGROUND:	-	-	-	-	-	-	1	-	-	-	.45	.45	-	-	-
EYE-----	-	-	-	-	-	-	1	-	.45	.45	.45	.45	-	19	19
JAW-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
NOSE-----	-	-	-	-	-	-	1	-	-	-	.45	.45	-	-	-
HEAD, NEC-----	-	-	-	3	3	3	3	-	1.35	1.35	.45	1.35	-	5	5
NECK-----	-	-	-	1	1	1	1	-	.45	.45	.45	.45	-	14	14
ELBOW-----	-	-	-	1	1	1	1	-	.45	.45	.45	.45	-	4	4
HAND-----	-	-	-	2	2	2	3	-	.90	.90	.45	1.35	-	6	6
FINGER(S)-----	-	-	-	1	1	1	2	-	.45	.45	.45	.90	-	1	1
UPPER EXTREMITIES, NEC-----	-	-	-	3	3	3	3	-	1.35	1.35	.45	.45	-	(*)	(*)
BACK-----	-	-	-	3	3	3	3	-	1.35	1.35	.45	.45	-	26	26
CHEST-----	-	-	-	3	3	3	3	-	1.35	1.35	.45	.45	-	14	14
KNEE-----	-	-	-	-	-	-	1	-	-	-	.45	.45	-	-	-
LOWER LEG-----	-	-	-	1	1	1	1	-	.45	.45	.45	.45	-	16	16
ANKLE-----	-	-	-	1	1	1	1	-	.45	.45	.45	.45	-	27	27
FOOT-----	-	-	-	1	1	1	1	-	.45	.45	.45	.45	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	-	3	3	3	3	-	1.35	1.35	.45	1.35	-	82	82
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	1	-	-	-	.45	.45	-	-	-
TOTAL OR AVERAGE-----	-	-	-	22	22	22	6	-	9.93	9.93	2.71	12.64	-	214	214
SURFACE AT UNDERGROUND:															
SURFACE AT UNDERGROUND:	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
FINGER(S)-----	-	-	-	-	-	-	1	-	1.43	1.43	1.43	1.43	-	40	40
CHEST-----	-	-	-	1	1	1	-	-	1.43	1.43	-	1.43	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	1	-	1.43	1.43	-	1.43	-	8,572	8,572
TOTAL OR AVERAGE-----	-	-	-	1	1	2	3	-	1.43	1.43	2.86	4.29	-	40	8,612
TOTAL OR AVERAGE, UG:															
TOTAL OR AVERAGE, UG:	-	-	-	-	-	-	1	-	-	-	.34	.34	-	-	-
EYE-----	-	-	-	-	-	-	1	-	.34	.34	.34	.34	-	14	14
JAW-----	-	-	-	1	1	1	1	-	.34	.34	.34	.34	-	-	-
NOSE-----	-	-	-	3	3	3	3	-	1.03	1.03	.34	1.03	-	4	4
HEAD, NEC-----	-	-	-	1	1	1	1	-	.34	.34	.34	.34	-	10	10
NECK-----	-	-	-	1	1	1	1	-	.34	.34	.34	.34	-	3	3
ELBOW-----	-	-	-	2	2	2	3	-	.69	.69	.34	1.03	-	4	4
HAND-----	-	-	-	1	1	1	2	-	.34	.34	.69	1.03	-	1	1
FINGER(S)-----	-	-	-	3	3	3	3	-	1.03	1.03	.34	.34	-	(*)	(*)
UPPER EXTREMITIES, NEC-----	-	-	-	4	4	4	4	-	1.37	1.37	.34	1.37	-	20	20
BACK-----	-	-	-	-	-	-	1	-	.34	.34	.34	.34	-	-	-
CHEST-----	-	-	-	-	-	-	1	-	.34	.34	.34	.34	-	-	-
KNEE-----	-	-	-	-	-	-	1	-	.34	.34	.34	.34	-	-	-
LOWER LEG-----	-	-	-	1	1	1	1	-	.34	.34	.34	.34	-	12	12
ANKLE-----	-	-	-	1	1	1	1	-	.34	.34	.34	.34	-	21	21
FOOT-----	-	-	-	1	1	1	1	-	.34	.34	.34	.34	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	-	3	3	3	3	-	1.03	1.03	.34	1.03	-	62	62
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	1	-	.34	.34	.34	.69	-	2,059	2,059
TOTAL OR AVERAGE-----	-	-	-	23	23	24	7	-	34	7.89	8.23	2.40	10.64	172	2,231

TABLE 8A. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ANTHRACITE COAL 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											
SURFACE MINES:															
STRIP:															
EYE-----	-	-	-	3	3	9	12	-	.51	.51	1.54	2.05	-	2	2
SCALP-----	-	-	-	-	-	1	1	-	-	-	.17	.17	-	-	-
FACE, NEC-----	-	-	-	-	-	2	2	-	-	-	.34	.34	-	-	-
NECK-----	-	-	-	1	1	-	1	-	.17	.17	-	.17	-	11	11
ELBOW-----	-	-	-	3	3	-	3	-	.51	.51	-	.51	-	12	12
WRIST-----	-	-	-	1	1	-	1	-	.17	.17	-	.17	-	4	4
HAND-----	-	-	-	3	3	-	3	-	.51	.51	-	.51	-	3	3
FINGER(S)-----	-	-	-	3	5	3	8	-	.85	.85	.51	1.36	-	82	82
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	1	1	-	-	-	.17	.17	-	-	-
ABDOMEN-----	-	-	-	-	-	1	1	-	-	-	.17	.17	-	-	-
BACK-----	-	-	-	16	16	2	18	-	2.73	2.73	.34	3.07	-	127	127
CHEST-----	-	-	-	2	2	1	3	-	.34	.34	.17	.51	-	5	5
PELVIC REGION-----	-	-	-	1	1	1	2	-	.17	.17	-	.17	-	9	9
SHOULDER(S)-----	-	-	-	3	3	-	3	-	.51	.51	-	.51	-	7	7
THIGH-----	-	-	-	1	1	-	1	-	.17	.17	-	.17	-	23	23
KNEE-----	-	-	-	5	5	-	5	-	.85	.85	-	.85	-	32	32
LOWER LEG-----	-	-	-	1	1	-	1	-	.17	.17	-	.17	-	3	3
ANKLE-----	-	-	-	3	3	1	4	-	.51	.51	.17	.68	-	17	17
FOOT-----	-	-	-	1	1	1	2	-	.17	.17	.17	.34	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	3	-	.17	.17	.17	.34	-	9	9
BODY SYSTEMS-----	-	-	-	-	-	1	1	-	-	-	.17	.17	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	2	2	1	3	-	.34	.34	.17	.51	-	6	6
TOTAL OR AVERAGE-----	-	3	49	52	52	24	76	-	8.87	8.87	4.09	12.97	-	353	353
CULM BANK:															
EYE-----	-	-	-	1	1	-	1	-	.80	.80	-	.80	-	2	2
FACE, NEC-----	-	-	-	1	1	-	1	-	.80	.80	-	.80	-	48	48
FINGER(S)-----	-	-	-	1	1	-	1	-	.80	.80	-	.80	-	6	6
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	-	1	-	.80	.80	-	.80	-	5	5
BACK-----	-	-	-	2	2	1	3	-	1.60	1.60	.80	2.40	-	36	36
PELVIC REGION-----	-	-	-	1	1	-	1	-	-	-	.80	.80	-	-	-
TRUNK, NEC-----	-	-	-	1	1	-	1	-	.80	.80	-	.80	-	19	19
FOOT-----	-	-	-	1	1	-	1	-	.80	.80	-	.80	-	109	109
TOTAL OR AVERAGE-----	-	-	8	8	8	2	10	-	5.40	5.40	1.60	8.00	-	225	225

TABLE 8A. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ANTHRACITE COAL 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, SURFACE:	-	-	4	4	4	9	13	-	.56	.56	1.26	1.82	-	2	2
EYE-----	-	-	-	-	-	1	1	-	-	-	.14	.14	-	-	-
SCALP-----	-	-	1	1	1	2	3	-	.14	.14	.26	.42	-	8	8
FACE, NEC-----	-	-	1	1	1	-	1	-	.14	.14	-	.14	-	9	9
NECK-----	-	-	3	3	3	-	3	-	.42	.42	-	.42	-	10	10
ELBOW-----	-	-	1	1	1	-	1	-	.14	.14	-	.14	-	4	4
WRIST-----	-	-	3	3	3	-	3	-	.42	.42	-	.42	-	3	3
HAND-----	-	-	4	4	6	3	9	-	.84	.84	.42	1.26	-	69	69
FINGER(S)-----	-	2	1	1	1	1	2	-	.14	.14	.14	.28	-	1	1
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	1	1	-	-	-	-	.14	-	-	-
ABDOMEN-----	-	-	-	-	-	1	1	-	-	-	-	.14	-	-	-
BACK-----	-	-	18	18	18	3	21	-	2.52	2.52	.42	2.94	-	111	111
CHEST-----	-	-	2	2	2	1	3	-	.28	.28	.14	.42	-	4	4
PELVIC REGION-----	-	1	1	1	1	1	2	-	.14	.14	.14	.28	-	7	7
SHOULDER(S)-----	-	-	3	3	3	-	3	-	.42	.42	-	.42	-	6	6
TRUNK, NEC-----	-	-	1	1	1	-	1	-	.14	.14	-	.14	-	3	3
THIGH-----	-	-	1	1	1	-	1	-	.14	.14	-	.14	-	18	18
KNEE-----	-	-	5	5	5	-	5	-	.70	.70	-	.70	-	26	26
LOWER LEG-----	-	-	1	1	1	-	1	-	.14	.14	-	.14	-	2	2
ANKLE-----	-	-	3	3	3	1	4	-	.42	.42	.14	.56	-	14	14
FOOT-----	-	-	2	2	2	-	2	-	.28	.28	-	.28	-	20	20
LOWER EXTREMITIES, NEC-----	-	-	1	1	1	1	2	-	.14	.14	.14	.28	-	8	8
BODY SYSTEMS-----	-	-	-	-	-	1	1	-	-	-	.14	.14	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	2	2	2	1	3	-	.28	.28	.14	.42	-	5	5
TOTAL OR AVERAGE-----	-	3	57	60	60	26	86	-	8.40	8.40	3.64	12.04	-	329	329

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

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES					
	FATAL	MFDL			TOTAL FATAL AND MFDL	NDL	TOTAL INJURIES	FATAL	MFDL	ALL FATAL AND MFDL	NDL	ALL INJURIES	FATAL	MFDL	ALL FATAL AND MFDL		
		PERMANENT	TEMPORARY	TOTAL													
																TOTAL	PARTIAL
TOTAL OR AVERAGE, MINING:																	
EYE-----	-	-	-	4	4	10	14	-	40	40	99	1.39	-	1	1		
JAW-----	-	-	-	1	1	1	1	-	10	10	10	1.10	-	4	4		
NOSE-----	-	-	-	-	-	1	1	-	-	-	10	1.10	-	-	-		
SCALP-----	-	-	-	-	-	1	1	-	-	-	10	1.10	-	-	-		
FACE, NEC-----	-	-	-	1	1	2	3	-	10	10	20	1.30	-	6	6		
HEAD, NEC-----	-	-	-	3	3	-	3	-	30	30	-	1.30	-	1	1		
NECK-----	-	-	-	2	2	-	2	-	20	20	-	1.20	-	9	9		
ELBOW-----	-	-	-	4	4	-	4	-	40	40	-	1.40	-	8	8		
Wrist-----	-	-	-	1	1	-	1	-	10	10	-	1.10	-	3	3		
HAND-----	-	-	-	5	5	5	16	-	50	50	10	1.60	-	3	3		
FINGER(S)-----	-	-	-	7	7	5	12	-	70	70	50	1.70	-	49	49		
UPPER EXTREMITIES, NEC-----	-	-	-	2	2	1	3	-	20	20	10	1.30	-	1	1		
ABDOMEN-----	-	-	-	-	-	1	1	-	-	-	10	1.10	-	-	-		
BACK-----	-	-	-	21	21	3	24	-	209	209	30	2.39	-	84	84		
CHEST-----	-	-	-	6	6	1	7	-	60	60	10	1.70	-	9	9		
PELVIC REGION-----	-	-	-	1	1	1	2	-	10	10	10	1.20	-	5	5		
SHOULDER(S)-----	-	-	-	3	3	-	3	-	30	30	-	1.30	-	4	4		
TRUNK, NEC-----	-	-	-	1	1	-	1	-	10	10	-	1.10	-	2	2		
THIGH-----	-	-	-	1	1	-	1	-	10	10	-	1.10	-	-	-		
KNEE-----	-	-	-	5	5	1	6	-	50	50	10	1.60	-	13	13		
LOWER LEG-----	-	-	-	2	2	1	3	-	20	20	-	1.20	-	18	18		
ANKLE-----	-	-	-	4	4	1	5	-	40	40	10	1.40	-	5	5		
FOOT-----	-	-	-	3	3	1	4	-	30	30	-	1.30	-	16	16		
LOWER EXTREMITIES, NEC-----	-	-	-	4	4	1	5	-	40	40	10	1.40	-	14	14		
BODY SYSTEMS-----	-	-	-	-	-	1	1	-	-	-	-	1.10	-	23	23		
MULTIPLE PARTS OF BODY-----	1	-	-	2	2	2	5	10	20	30	20	1.50	597	4	500		
TOTAL OR AVERAGE-----	1	3	80	83	84	33	117	10	826	835	328	11.54	597	284	850		

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

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	INCIDENCE RATES					SEVERITY MEASURES				
	FATAL	PERMANENT		TEMPO- RARY	TOTAL NFDL				FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL		
		TOTAL	PARTIAL															
PROCESSING PLANTS:																		
EAR-----	-	-	-	2	2	-	1	1	-	30	15	-	-	-	-	-	-	-
EYE-----	-	-	-	-	-	2	4	6	-	61	91	-	-	-	-	-	-	-
JAW-----	-	-	-	-	-	-	1	1	-	15	15	-	-	-	-	-	-	-
FACE, NEC-----	-	-	-	1	1	1	1	2	-	15	30	-	-	-	-	-	-	-
HEAD, NEC-----	-	-	-	1	1	1	2	3	-	15	48	-	-	-	-	-	-	-
NECK-----	-	-	-	2	2	2	-	2	-	30	30	-	-	-	-	-	-	-
ELBOW-----	-	-	-	1	1	1	-	1	-	15	15	-	-	-	-	-	-	-
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
WRIST-----	-	-	-	2	2	2	2	4	-	30	30	-	-	-	-	-	-	-
HAND-----	-	-	-	2	2	2	2	4	-	30	61	-	-	-	-	-	-	-
FINGER(S)-----	-	-	-	10	10	10	2	12	-	152	183	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC-----	-	-	-	2	2	2	1	3	-	30	45	-	-	-	-	-	-	-
ABDOMEN-----	-	-	-	1	1	1	1	2	-	15	15	-	-	-	-	-	-	-
BACK-----	-	-	-	31	31	31	2	33	-	472	503	-	-	-	-	-	-	-
CHEST-----	-	-	-	4	4	4	1	5	-	61	76	-	-	-	-	-	-	-
PELVIC REGION-----	-	-	-	1	1	1	1	2	-	76	76	-	-	-	-	-	-	-
SHOULDER(S)-----	-	-	-	2	2	2	1	3	-	30	46	-	-	-	-	-	-	-
TRUNK, NEC-----	-	-	-	3	3	3	1	4	-	46	46	-	-	-	-	-	-	-
THIGH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	4	4	4	3	7	-	61	107	-	-	-	-	-	-	-
LOWER LEG-----	-	-	-	4	4	4	-	4	-	61	61	-	-	-	-	-	-	-
ANKLE-----	-	-	-	6	6	6	-	6	-	91	91	-	-	-	-	-	-	-
FOOT-----	-	-	-	3	3	3	1	4	-	46	61	-	-	-	-	-	-	-
TOE(S)-----	-	-	-	1	1	1	1	2	-	15	15	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	1	2	-	15	15	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	6	6	6	1	7	-	91	91	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	4	90	94	94	27	121	-	1432	1843	-	-	-	-	-	-	-

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

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES					
	FATAL	MFDL			TOTAL FATAL AND MFDL	NDL	TOTAL INJURIES	FATAL	MFDL	ALL FATAL AND MFDL	NDL	ALL INDU- RIES	FATAL	MFDL	ALL FATAL AND MFDL		
		PERMANENT	TEMPO- RARY	TOTAL MFDL													
																TOTAL	PARTIAL
TOTAL OR AVERAGE	1	-	-	177	50	238	.06	10.43	10.49	3.54	14.03	354	432	786			
ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EAR-----	-	-	6	-	6	14	1	-	35	.35	.06	.06	-	1	1		
EYE-----	-	-	1	-	1	1	1	-	.06	.06	.06	1.18	-	2	2		
JAW-----	-	-	-	-	-	1	1	-	-	-	.06	.06	-	-	-		
NOSE-----	-	-	-	-	-	1	1	-	-	-	.06	.06	-	-	-		
SCALP-----	-	-	2	-	2	3	3	-	12	.12	.18	.29	-	4	4		
FACE, NEC-----	-	-	4	-	4	2	6	-	.24	.24	.12	.35	-	3	3		
HEAD, NEC-----	-	-	4	-	4	2	6	-	.24	.24	.12	.35	-	7	7		
NECK-----	-	-	5	-	5	-	5	-	.29	.29	-	.24	-	5	5		
ELBOW-----	-	-	-	-	-	1	1	-	-	-	.06	.06	-	-	-		
FOREARM-----	-	-	3	-	3	2	5	-	.18	.18	.12	.29	-	8	8		
WRIST-----	-	-	7	-	7	3	10	-	.41	.41	.18	.59	-	3	3		
HAND-----	-	2	15	-	17	7	24	-	1.00	1.00	.41	1.41	-	40	40		
FINGER(S)-----	-	-	4	-	4	2	6	-	.24	.24	.12	.35	-	4	4		
UPPER EXTREMITIES, NEC-----	-	-	1	-	1	1	2	-	.06	.06	.06	.12	-	3	3		
ABDOMEN-----	-	-	52	-	52	5	57	-	3.06	3.06	.29	3.36	-	185	185		
BACK-----	-	-	10	-	10	2	12	-	.59	.59	.12	.71	-	25	25		
CHEST-----	-	-	1	-	1	1	2	-	.35	.35	.06	.41	-	15	15		
PELVIC REGION-----	-	5	5	-	10	1	6	-	.29	.29	.06	.35	-	9	9		
SHOULDER(S)-----	-	-	4	-	4	1	5	-	.24	.24	.06	.35	-	3	3		
TRUNK, NEC-----	-	-	1	-	1	1	2	-	.06	.06	.06	.12	-	8	8		
THIGH-----	-	-	9	-	9	4	13	-	.53	.53	.24	.77	-	17	17		
KNEE-----	-	-	6	-	6	1	7	-	.35	.35	-	.35	-	23	23		
LOWER LEG-----	-	-	10	-	10	1	11	-	.59	.59	.06	.65	-	13	13		
ANKLE-----	-	-	6	-	6	1	7	-	.35	.35	.06	.41	-	9	9		
FOOT-----	-	-	1	-	1	1	2	-	.05	.05	.06	.06	-	(*)	(*)		
TOE(S)-----	-	-	5	-	5	1	6	-	.29	.29	.06	.35	-	14	14		
LOWER EXTREMITIES, NEC-----	-	-	8	-	9	3	12	.06	.47	.53	.18	.71	354	28	382		
BODY SYSTEMS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MULTIPLE PARTS OF BODY-----	1	-	-	-	-	3	12	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE-----	1	7	170	-	177	50	238	.06	10.43	10.49	3.54	14.03	354	432	786		

TABLE 8A. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1969 (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												FATAL	NFDL
GRAND TOTAL OR AVERAGE:																	
EAR-----							1				.06						
EYE-----			6		6	14	20		.34	.34	.79	1.12		1			
JAW-----			1		1	1	2		.06	.06	.06	.11		2			
NOSE-----						1	1				.06	.06					
SCALP-----						1	1				.06	.06					
FACE, NEC-----			2		2	3	5		.11	.11	.17	.28		4			
HEAD, NEC-----			4		4	2	6		.22	.22	.22	.34		3			
NECK-----			4		4	2	4		.22	.22	.22	.34		7			
ELBOW-----			5		5	-	5		.28	.28	-	.28		4			
FOREARM-----						1	1				.06	.06					
WRIST-----			3		3	2	5		.17	.17	.11	.28		8			
HAND-----			7		7	3	10		.39	.39	.17	.56		3			
FINGER(S)-----		2	15		17	7	24		.95	.95	.39	.56		38			
UPPER EXTREMITIES, NEC-----			4		4	2	6		.22	.22	.11	.34		4			
ABDOMEN-----			1		1	1	2		.06	.06	.06	.11		3			
BACK-----			52		52	5	57		2.92	2.92	.28	.34		176			
CHEST-----			10		10	2	12		.56	.56	.11	.57		24			
PELVIC REGION-----			5		5	1	6		.34	.34	.06	.34		15			
SHOULDER(S)-----		5	5		10	1	11		.28	.28	.06	.34		9			
TRUNK, NEC-----			4		4	1	5		.22	.22	.22	.34		7			
THIGH-----			1		1	1	2		.06	.06	.06	.11		3			
KNEE-----			5		5	4	9		.51	.51	.22	.73		17			
LOWER LEG-----			6		6	1	7		.34	.34	.06	.34		22			
ANKLE-----			10		10	1	11		.56	.56	.06	.52		12			
FOOT-----			6		6	1	7		.34	.34	.06	.34		8			
TOE(S)-----			1		1	1	2		.06	.06	.06	.06		1			
LOWER EXTREMITIES, NEC-----			5		5	1	6		.28	.28	.06	.34		14			
BODY SYSTEMS-----						3	3		.45	.45	.06	.06		27			
MULTIPLE PARTS OF BODY-----						60	60		.06	.06	.37	.57		337			
TOTAL OR AVERAGE-----		7	170		177	178	236		9.99	9.99	3.37	13.36		411	748		

TABLE 88. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES					
	FATAL	PERMANENT			TEMPORARY	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		TOTAL	PARTIAL	TOTAL NFDL													
UNDERGROUND MINES:																	
UNDERGROUND:																	
EAR	-	-	-	24	24	35	24	184	131	59	-	07	04	05	09	-	(*)
EYE	-	-	1	183	184	131	184	184	131	315	-	29	29	20	49	-	4
JAW	-	-	-	19	19	21	19	19	21	40	-	03	03	03	06	-	(*)
MOUTH/TEETH/TONGUE	-	-	-	28	28	21	28	28	21	124	-	04	04	15	19	-	(*)
NOSE	-	-	-	26	26	21	26	26	21	47	-	04	04	03	07	-	1
SCALP	-	-	-	4	4	6	4	4	6	10	-	01	01	01	02	-	(*)
SKULL	-	-	-	5	5	-	5	5	-	5	-	01	01	01	01	-	(*)
FACE, NEC	-	-	-	57	57	61	57	57	61	118	-	09	09	09	18	-	1
HEAD, NEC	7	-	-	134	134	97	141	141	97	238	01	21	22	15	37	3	68
NECK	1	-	-	356	356	74	357	357	74	431	(*)	55	55	11	57	17	26
UPPER ARM	-	-	-	10	10	4	10	10	4	14	-	02	02	01	02	-	(*)
ELBOW	-	-	-	130	130	29	130	130	29	159	-	20	20	04	25	-	6
FOREARM	-	-	-	59	59	44	59	59	44	103	-	09	09	07	16	-	2
WRIST	-	-	-	136	136	29	136	136	29	165	-	21	21	04	26	-	6
HAND	-	-	-	356	356	160	356	356	160	516	-	55	55	25	80	-	12
FINGER(S)	-	-	-	799	840	523	840	840	523	1,413	-	130	130	89	219	35	39
UPPER EXTREMITIES, NEC	-	-	41	156	159	45	159	159	45	204	-	25	25	07	32	22	22
ABDOMEN	-	-	-	28	28	6	28	28	6	34	-	04	04	01	05	-	1
BACK	-	-	2	2,561	2,563	211	2,563	2,563	211	2,774	-	398	398	33	430	145	145
CHEST	-	-	-	159	159	39	161	161	39	200	-	25	25	06	31	19	23
PELVIC REGION	2	-	-	192	192	17	262	262	17	279	(*)	41	41	03	43	14	14
SHOULDER(S)	-	-	70	289	289	52	289	289	52	341	-	45	45	08	53	16	16
TRUNK, NEC	-	-	-	169	169	18	170	170	18	188	(*)	26	26	03	29	9	19
THIGH	-	-	-	49	49	19	49	49	19	68	-	08	08	03	11	2	2
KNEE	-	-	-	804	804	94	804	804	94	898	-	125	125	15	139	45	45
LOWER LEG	-	-	-	83	83	18	83	83	18	101	-	13	13	03	16	6	6
ANKLE	-	-	-	291	291	21	291	291	21	312	-	45	45	03	48	12	12
FOOT	-	-	1	397	398	47	398	398	47	445	-	62	62	07	69	18	18
TOE(S)	-	-	-	48	52	29	52	52	29	81	-	08	08	04	13	6	6
LOWER EXTREMITIES, NEC	-	-	3	217	220	48	220	220	48	264	-	34	34	07	41	24	24
BODY SYSTEMS	13	-	-	24	37	8	37	37	8	45	-	04	06	01	07	1	1
MULTIPLE PARTS OF BODY	18	-	-	532	537	74	537	537	74	629	-	83	86	11	98	215	215
UNCLASSIFIED	-	-	-	2	2	-	2	2	-	2	-	(*)	(*)	-	(*)	(*)	(*)
TOTAL OR AVERAGE	42	-	130	8,327	8,457	2,123	8,499	8,499	2,123	10,622	07	13.12	13.19	3.29	16.46	391	468

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

NUMBER OF INJURIES														INCIDENCE RATES						SEVERITY MEASURES		
WORK LOCATION AND PART OF BODY INJURED	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL								
		TOTAL	PERMANENT	TEMPORARY	TOTAL NFDL																	
SURFACE AT UNDERGROUND:	-	-	-	-	-	1	1	-	1	02	03	-	(*)	(*)								
EAR-----	-	-	-	-	-	1	2	-	2	02	03	-	-	-								
EYE-----	-	-	-	-	-	21	41	-	22	32	35	-	-	-								
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	6	-	6	-	06	-	-	-								
NOSE-----	-	-	-	-	-	-	4	-	4	-	04	-	-	-								
SCALP-----	-	-	-	-	-	-	4	-	4	-	04	-	-	-								
FACE, NEC-----	-	-	-	-	-	5	9	-	9	08	14	-	1	1								
HEAD, NEC-----	-	-	-	-	-	10	18	-	18	13	27	-	2	2								
NECK-----	-	-	-	-	-	4	8	-	8	06	12	-	2	2								
UPPER ARM-----	-	-	-	-	-	3	3	-	3	05	05	-	2	2								
ELBOW-----	-	-	-	-	-	10	16	-	16	15	24	-	3	3								
FOREARM-----	-	-	-	-	-	3	9	-	9	05	14	-	1	1								
WRIST-----	-	-	-	-	-	13	16	-	16	20	24	-	10	10								
HAND-----	-	-	-	-	-	19	40	-	40	29	50	-	4	4								
FINGER(S)-----	-	-	-	-	-	45	103	-	103	59	86	-	16	16								
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	10	11	-	11	15	17	-	4	4								
ABDOMEN-----	-	-	-	-	-	3	4	-	4	05	06	-	1	1								
BACK-----	-	-	-	-	-	162	181	-	181	245	272	-	117	117								
CHEST-----	-	-	-	-	-	7	13	-	13	11	20	-	2	2								
PELVIC REGION-----	-	-	-	-	-	13	22	-	22	30	33	-	12	12								
SHOULDER(S)-----	-	-	-	-	-	21	55	-	55	32	38	-	11	11								
TRUNK, NEC-----	-	-	-	-	-	14	15	-	15	21	22	-	2	2								
THIGH-----	-	-	-	-	-	5	6	-	6	08	09	-	2	2								
KNEE-----	-	-	-	-	-	42	51	-	51	53	77	-	28	28								
UPPER LEG-----	-	-	-	-	-	6	11	-	11	09	11	-	10	10								
ANKLE-----	-	-	-	-	-	29	31	-	31	09	11	-	10	10								
FOOT-----	-	-	-	-	-	28	36	-	36	44	47	-	10	10								
TOE(S)-----	-	-	-	-	-	9	12	-	12	14	18	-	4	4								
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	13	20	-	20	20	30	-	4	4								
BODY SYSTEMS-----	-	-	-	-	-	5	6	-	6	08	09	-	1	1								
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	32	37	-	37	48	55	-	16	16								
TOTAL OR AVERAGE-----	1	9	533	542	543	761	92	618	816	1145	90	273	363									

TABLE 88. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE, FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INDU- RIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY												TOTAL NFDL
		TOTAL	PARTIAL													
TOTAL OR AVERAGE, UG:																
EAR-----	-	-	-	25	25	25	36	61	-	.04	.05	.09	-	(*)	(*)	
EYE-----	-	-	1	204	205	205	153	358	-	.29	.22	.50	-	4	4	
JAW-----	-	-	-	19	19	19	21	40	-	.03	.03	.06	-	(*)	(*)	
MOUTH/TEETH/TONGUE-----	-	-	-	28	28	28	102	130	-	.04	.04	.18	-	(*)	(*)	
NOSE-----	-	-	-	26	26	26	25	51	-	.04	.04	.07	-	1	1	
SCALP-----	-	-	-	4	4	4	7	11	-	.01	.01	.02	-	(*)	(*)	
SKIN-----	-	-	-	5	5	5	6	12	-	.01	.01	.01	-	(*)	(*)	
FACE-----	-	-	-	62	62	62	65	127	-	.09	.09	.18	-	1	1	
HEAD, NEC-----	7	-	-	144	144	151	105	256	.01	.20	.21	.36	.59	3	62	
NECK-----	1	-	-	360	360	361	78	439	(*)	.51	.51	.62	8	15	24	
UPPER ARM-----	-	-	-	13	13	13	4	17	-	.02	.02	.01	-	(*)	(*)	
ELBOW-----	-	-	-	140	140	140	35	175	-	.20	.20	.25	-	6	6	
FOREARM-----	-	-	-	62	62	62	50	112	-	.09	.09	.16	-	2	2	
WRIST-----	-	-	-	149	149	149	32	181	-	.21	.21	.25	-	6	6	
HAND-----	-	-	-	375	375	375	181	556	-	.53	.53	.78	-	11	11	
FINGER(S)-----	-	-	-	844	844	845	630	1,515	-	1.25	1.25	2.13	-	37	37	
UPPER EXTREMITIES, NEC-----	-	-	-	166	169	169	46	215	-	.24	.24	.30	-	21	21	
ABDOMEN-----	-	-	-	31	31	31	7	38	-	.04	.04	.05	-	1	1	
BACK-----	-	-	-	2,723	2,726	2,726	229	2,955	-	3.83	3.83	4.16	-	142	142	
CHEST-----	2	-	-	166	166	168	45	213	(*)	.23	.24	.30	.17	4	21	
PELVIC REGION-----	-	-	-	205	205	205	19	301	-	.40	.40	.42	-	14	14	
SHOULDER(S)-----	-	-	-	310	310	310	56	366	-	.44	.44	.51	-	15	15	
TRUNK, NEC-----	1	-	-	183	183	184	19	203	(*)	.26	.26	.29	8	9	18	
THIGH-----	-	-	-	54	54	54	20	74	-	.08	.08	.10	-	2	2	
KN. E-----	-	-	-	846	846	846	103	949	-	1.19	1.19	1.33	-	43	43	
LOWER LEG-----	-	-	-	89	89	89	19	108	-	.13	.13	.15	-	6	6	
ANKLE-----	-	-	-	320	320	320	23	343	-	.45	.45	.48	-	11	11	
FOOT-----	-	-	-	425	425	425	57	483	-	.60	.60	.68	-	17	17	
TOE(S)-----	-	-	-	57	57	57	32	93	-	.09	.09	.13	-	6	6	
LOWER EXTREMITIES, NEC-----	-	-	-	230	233	233	51	284	-	.33	.33	.40	-	22	22	
BODY SYSTEMS-----	14	-	-	29	29	43	12	55	.02	.04	.05	.08	.118	1	119	
MULTIPLE PARTS OF BODY-----	18	-	-	564	569	587	79	666	.03	.80	.83	.94	152	46	198	
UNCLASSIFIED-----	-	-	-	2	2	2	2	2	(*)	(*)	(*)	(*)	-	(*)	(*)	
TOTAL OR AVERAGE-----	43	139	-	8,850	8,999	9,042	2,341	11,383	.06	12.66	12.72	16.01	363	449	812	

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

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					TOTAL INJURIES	INCIDENCE RATES				SEVERITY MEASURES			
	FATAL	NFDL			TOTAL FATAL AND NFDL		NFDL	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TEMPO- RARY										
		TOTAL	PARTIAL											
SURFACE MINES:														
STRIP:														
EAR	-	-	-	-	2	4	6	(*)	(*)	.13	.01	-	(*)	(*)
EYE	-	-	52	-	58	124	192	.41	.13	.02	.28	-	1	1
JAW	-	-	4	-	4	9	5	-	01	.05	.02	-	(*)	(*)
MOUTH/TEETH/TONGUE	-	-	2	-	2	27	9	(*)	(*)	.02	.05	-	(*)	(*)
NOSE	-	-	1	-	1	13	5	(*)	(*)	.02	.03	-	(*)	(*)
SCALP	-	-	1	-	1	3	4	(*)	(*)	.01	.01	-	(*)	(*)
SKULL	1	-	-	-	1	1	1	(*)	(*)	-	-	14	(*)	14
FACE, NEC	-	-	9	-	9	17	26	.02	.02	.04	.06	-	(*)	(*)
HEAD, NEC	1	-	26	-	27	52	79	.05	.05	.06	.12	14	1	14
NECK	-	-	48	-	48	16	64	.11	.11	.11	.04	-	4	4
UPPER ARM	-	-	5	-	5	5	11	.01	.01	.01	.01	-	(*)	(*)
ELBOW	-	-	21	-	21	19	40	.05	.05	.04	.04	-	1	1
FOREARM	-	-	10	-	10	17	27	.02	.02	.04	.06	-	(*)	(*)
WRIST	-	-	28	-	28	16	44	.06	.06	.04	.10	-	2	2
HAND	-	-	46	-	46	67	113	.10	.10	.10	.15	-	8	8
FINGER(S)	-	-	105	-	115	207	322	.26	.26	.47	.72	-	2	2
UPPER EXTREMITIES, NEC	-	10	29	-	29	20	49	.07	.07	.04	.11	-	2	2
ABDOMEN	-	-	7	-	7	6	13	.02	.02	.01	.03	-	(*)	(*)
BACK	1	-	472	-	473	155	628	1.06	1.06	.35	1.41	-	48	48
CHEST	-	-	40	-	40	13	59	.09	.09	.04	.13	-	2	2
PELVIC REGION	-	18	36	-	54	13	71	.12	.12	.03	.15	-	3	3
SHOULDER(S)	-	-	51	-	51	20	71	.11	.11	.04	.16	-	2	2
TRUNK, NEC	-	-	35	-	35	8	41	.08	.08	.01	.09	-	1	1
THIGH	-	-	115	-	115	14	26	.03	.03	.03	.06	-	1	1
KN.E	-	-	21	-	21	42	157	.26	.26	.09	.35	-	7	7
LOWER LEG	-	-	96	-	96	8	104	.05	.05	.04	.09	-	3	3
ANKLE	-	-	53	-	54	14	68	.22	.22	.02	.23	-	5	5
FOOT	-	1	5	-	5	7	3	.12	.12	.03	.15	-	3	3
TOE(S)	-	-	50	-	50	2	7	.01	.01	.01	.02	-	(*)	(*)
LOWER EXTREMITIES, NEC	-	-	10	-	10	26	76	.11	.11	.06	.17	-	4	4
BODY SYSTEMS	4	-	12	-	12	9	23	.02	.02	.03	.05	54	(*)	54
MULTIPLE PARTS OF BODY	8	-	167	-	175	45	220	.38	.38	.39	.50	108	(*)	125
UNCLASSIFIED	-	-	2	-	2	1	3	(*)	(*)	(*)	.01	-	(*)	(*)
TOTAL OR AVERAGE	14	1	1,566	29	1,595	1,610	2,619	.03	3.59	3.62	2.27	189	116	305

TABLE 88. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL 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	NDI	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPORARY	TOTAL											
AUGER:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER ARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CULM BANK:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DREDGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 88. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	MFDL			TOTAL FATAL AND MFDL	NDL	TOTAL INJURIES	FATAL	MFDL	ALL FATAL AND MFDL	NDL	ALL INJURIES	FATAL	MFDL	ALL FATAL AND MFDL
		PERMANENT	TEMPO- RARY	TOTAL MFDL											
TOTAL OR AVERAGE, SURFACE:															
EAR-----	-	-	-	2	58	2	4	6	-	(*)	.01	.01	-	(*)	(*)
EYE-----	-	-	-	58	-	58	124	182	-	.13	.13	.28	-	1	1
JAW-----	-	-	-	-	-	-	9	9	-	-	-	.02	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	4	4	4	23	27	-	.01	.01	.05	-	(*)	(*)
NOSE-----	-	-	-	2	2	2	12	14	-	(*)	(*)	.03	-	(*)	(*)
SCALP-----	-	-	-	1	1	1	3	4	-	(*)	(*)	.01	-	(*)	(*)
SKULL-----	1	-	-	-	-	-	1	1	-	-	-	-	13	-	13
FACE, NEC-----	-	-	-	9	9	9	18	27	-	.02	.02	.04	-	(*)	(*)
HEAD, NEC-----	1	-	-	27	27	27	52	80	-	.06	.06	.12	13	1	14
NECK-----	-	-	-	48	48	48	16	64	-	.11	.11	.04	-	3	3
UPPER ARM-----	-	-	-	5	5	5	7	12	-	.01	.01	.02	-	(*)	(*)
ELBOW-----	-	-	-	22	22	22	19	41	-	.05	.05	.04	-	1	1
FOREARM-----	-	-	-	10	10	10	18	28	-	.02	.02	.04	-	(*)	(*)
Wrist-----	-	-	-	28	28	28	18	46	-	.06	.06	.10	-	2	2
HAND-----	-	-	-	46	46	46	68	114	-	.10	.10	.15	-	8	8
FINGER(S)-----	-	-	-	107	117	117	216	333	-	.26	.26	.48	-	2	2
UPPER EXTREMITIES, NEC-----	-	-	-	29	29	29	20	49	-	.06	.06	.11	-	(*)	(*)
ABDOMEN-----	-	-	-	7	7	7	6	13	-	.02	.02	.01	-	47	47
BACK-----	1	-	-	477	478	478	157	635	-	1.06	1.06	3.35	-	2	2
CHEST-----	-	-	-	42	42	42	20	62	-	.09	.09	.14	-	3	3
PELVIC REGION-----	-	-	-	36	54	54	13	67	-	.12	.12	.03	-	2	2
SHOULDER(S)-----	-	-	-	52	52	52	20	72	-	.12	.12	.04	-	1	1
TRUNK, NEC-----	-	-	-	35	35	35	6	41	-	.08	.08	.01	-	7	7
THIGH-----	-	-	-	12	12	12	14	26	-	.03	.03	.03	-	1	1
KNEE-----	-	-	-	117	117	117	42	159	-	.26	.26	.09	-	3	3
LOWER LEG-----	-	-	-	22	22	22	18	40	-	.05	.05	.04	-	5	5
ANKLE-----	-	-	-	98	98	98	8	106	-	.22	.22	.02	-	3	3
FOOT-----	-	-	-	58	59	59	14	73	-	.13	.13	.03	-	(*)	(*)
TOE(S)-----	-	-	-	6	6	6	2	8	-	.01	.01	(*)	-	4	4
LOWER EXTREMITIES, NEC-----	-	-	-	52	52	52	27	79	-	.12	.12	.06	-	(*)	(*)
BODY SYSTEMS-----	4	-	-	10	10	10	9	23	01	.07	.03	.02	53	17	54
MULTIPLE PARTS OF BODY-----	8	-	-	169	169	169	45	222	.02	.38	.39	.10	107	17	123
UNCLASSIFIED-----	-	-	-	2	2	2	1	3	-	(*)	(*)	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	14	1	29	1,593	1,623	1,637	1,029	2,566	03	3.61	3.64	2.29	187	117	303

TABLE 8B. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989 (CON. INDEd)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					INCIDENCE RATES					SEVERITY MEASURES					
	FATAL	PERMANENT			TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		TOTAL	PARTIAL													
TOTAL OR AVERAGE, MINING:																
EAR-----	-	-	-	27	27	27	40	67	-	02	03	06	-	-	(*)	(*)
EYE-----	-	-	-	262	263	263	277	540	-	23	24	47	-	-	3	3
JAW-----	-	-	-	19	19	19	30	49	-	03	03	04	-	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	32	32	32	45	157	-	03	11	14	-	-	(*)	(*)
NOSE-----	-	-	-	28	28	28	37	65	-	02	03	06	-	-	(*)	(*)
SCALP-----	-	-	-	5	5	5	10	13	-	01	01	01	-	-	(*)	(*)
SKULL-----	-	-	-	5	5	5	9	13	-	01	01	01	-	-	(*)	(*)
FACE, NEC-----	-	-	-	71	71	71	93	154	-	06	07	13	-	-	1	1
HEAD, NEC-----	-	-	-	171	171	171	197	336	-	15	14	28	-	-	2	43
NECK-----	-	-	-	408	408	408	394	503	-	35	38	43	-	-	11	16
UPPER ARM-----	-	-	-	19	19	19	11	23	-	02	01	02	-	-	(*)	(*)
ELBOW-----	-	-	-	162	162	162	58	216	-	14	05	19	-	-	4	4
FOREARM-----	-	-	-	72	72	72	56	140	-	08	06	12	-	-	1	4
WRIST-----	-	-	-	177	177	177	230	427	-	16	13	24	-	-	8	8
HAND-----	-	-	-	421	421	421	249	670	-	36	21	58	-	-	26	26
FINGER(S)-----	-	-	-	91	91	91	64	155	-	8	5	13	-	-	1	1
UPPER EXTREMITIES, NEC-----	-	-	-	136	136	136	59	295	-	17	06	23	-	-	13	13
ABDOMEN-----	-	-	-	3	3	3	3	41	-	03	01	04	-	-	1	1
BACK-----	-	-	-	3,200	3,204	3,204	388	3,590	-	276	23	309	-	-	105	105
CHEST-----	-	-	-	208	208	208	110	318	-	18	06	24	-	-	13	13
PELVIC REGION-----	-	-	-	241	241	241	32	273	-	29	03	32	-	-	10	10
SHOULDER(S)-----	-	-	-	362	362	362	276	638	-	31	07	38	-	-	10	10
TRUNK, NEC-----	-	-	-	218	218	218	25	244	-	19	02	21	-	-	16	16
THIGH-----	-	-	-	66	66	66	34	100	-	06	03	09	-	-	1	1
KNEE-----	-	-	-	963	963	963	145	1,106	-	83	12	95	-	-	29	29
LOWER LEG-----	-	-	-	111	111	111	37	148	-	10	03	13	-	-	5	5
ANKLE-----	-	-	-	418	418	418	271	689	-	36	03	39	-	-	9	9
FOOT-----	-	-	-	483	483	483	34	517	-	42	06	48	-	-	12	12
TOE(S)-----	-	-	-	43	43	43	24	67	-	06	03	09	-	-	3	3
LOWER EXTREMITIES, NEC-----	-	-	-	262	262	262	20	282	-	05	02	07	-	-	15	15
BODY SYSTEMS-----	-	-	-	35	35	35	12	47	-	03	02	05	-	-	9	9
MULTIPLE PARTS OF BODY-----	-	-	-	733	733	733	124	868	-	64	11	76	-	-	35	35
UNCLASSIFIED-----	-	-	-	4	4	4	1	5	-	01	01	01	-	-	(*)	(*)
TOTAL OR AVERAGE-----	57	1	158	10,453	10,622	10,679	3,370	14,049	05	912	920	1210	295	320	615	615

TABLE 8B. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL 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 NFDL											
		TOTAL	PARTIAL													
INDEPENDENT SHOPS:																
EYE-----	-	-	-	1	1	1	1	9	-	.11	.11	.89	-	(*)	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	1	3	-	.11	.11	.22	-	(*)	(*)	(*)
FACE, NEC-----	-	-	-	1	1	1	1	1	-	.11	.11	.11	-	(*)	(*)	(*)
NECK-----	-	-	-	2	2	2	2	2	-	.22	.22	-	-	(*)	(*)	(*)
ELBOW-----	-	-	-	1	1	1	1	1	-	.11	.11	-	-	(*)	(*)	(*)
FOREARM-----	-	-	-	1	1	1	1	1	-	.11	.11	-	-	-	-	-
HAND-----	-	-	-	2	2	2	2	3	-	.22	.22	.11	-	11	11	11
FINGER(S)-----	-	-	-	5	5	5	5	16	-	.55	.55	1.77	-	9	9	9
UPPER EXTREMITIES, NEC-----	-	-	-	2	2	2	2	2	-	.22	.22	.22	-	3	3	3
ABDOMEN-----	-	-	-	2	2	2	2	1	-	.22	.22	.11	-	4	4	4
BACK-----	-	-	-	16	16	16	16	19	-	1.77	1.77	.33	-	91	91	91
PELVIC REGION-----	-	-	-	1	1	1	1	1	-	.11	.11	-	-	4	4	4
SHOULDER(S)-----	-	-	-	1	1	1	1	1	-	.11	.11	-	-	7	7	7
TRUNK, NEC-----	-	-	-	1	1	1	1	1	-	.11	.11	-	-	5	5	5
KNEE-----	-	-	-	4	4	4	4	5	-	.44	.44	.11	-	10	10	10
LOWER LEG-----	-	-	-	1	1	1	1	1	-	.11	.11	-	-	(*)	(*)	(*)
ANKLE-----	-	-	-	1	1	1	1	1	-	.11	.11	-	-	(*)	(*)	(*)
FOOT-----	-	-	-	2	2	2	2	3	-	.22	.22	.11	-	3	3	3
TOE(S)-----	-	-	-	1	1	1	1	1	-	.11	.11	-	-	1	1	1
LOWER EXTREMITIES, NEC-----	-	-	-	2	2	2	2	3	-	.22	.22	.11	-	3	3	3
BODY SYSTEMS-----	-	-	-	1	1	1	1	1	-	.11	.11	-	-	1	1	1
MULTIPLE PARTS OF BODY-----	-	-	-	1	1	1	1	2	-	.11	.11	.22	-	6	6	6
TOTAL OR AVERAGE-----	-	-	-	48	48	48	48	80	-	5.31	5.31	3.54	-	167	167	167

TABLE 88. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL 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	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPO- RARY											
			TOTAL	PARTIAL										
PROCESSING PLANTS:														
EAR-----	-	-	3	3	3	9	-	.02	.02	.04	.06	-	(*)	(*)
EYE-----	-	-	28	28	28	65	-	.19	.19	.25	.44	-	1	1
JAW-----	-	-	1	1	1	1	-	.01	.01	.01	.01	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	1	1	1	9	-	.01	.01	.05	.06	-	(*)	(*)
NOSE-----	-	-	1	1	1	3	-	.01	.01	.02	.02	-	(*)	(*)
SCALP-----	-	-	1	1	1	2	-	.01	.01	.01	.01	-	1	1
FACE, NEC-----	-	-	4	4	4	10	-	.03	.03	.04	.07	-	3	3
HEAD, NEC-----	-	-	11	11	11	35	-	.07	.07	.16	.24	-	3	3
NECK-----	-	-	16	16	16	20	-	.11	.11	.03	.14	-	4	4
UPPER ARM-----	-	-	3	3	3	3	-	.02	.02	.02	.02	-	(*)	(*)
ELBOW-----	-	-	10	10	10	17	-	.07	.07	.05	.12	-	1	1
FOREARM-----	-	-	10	10	10	9	-	.07	.07	.06	.13	-	3	3
WRIST-----	-	-	12	12	12	19	-	.08	.08	.08	.16	-	2	2
HAND-----	-	-	28	28	28	24	-	.19	.19	.16	.35	-	4	4
FINGER(S)-----	-	5	53	58	58	51	-	.39	.39	.71	1.11	-	14	14
UPPER EXTREMITIES, NEC-----	-	-	18	18	18	163	-	.12	.12	.03	.15	-	4	4
ABDOMEN-----	-	-	9	9	9	22	-	.06	.06	.01	.07	-	1	1
BACK-----	-	-	228	228	228	10	-	.55	.55	.21	1.76	-	54	54
CHEST-----	-	-	23	23	23	31	-	.16	.16	.07	.22	-	2	2
PELVIC REGION-----	-	16	19	19	19	259	-	.19	.19	.03	.22	-	8	8
SHOULDER(S)-----	-	-	13	13	13	4	-	.13	.13	.04	.17	-	10	10
TRUNK, NEC-----	-	-	4	4	4	25	-	.09	.09	.02	.11	-	2	2
THIGH-----	-	-	82	82	82	16	-	.03	.03	.02	.05	-	(*)	(*)
KNEE-----	-	-	11	11	11	3	-	.07	.07	.02	.02	-	16	16
LOWER LEG-----	-	-	39	39	39	91	-	.27	.27	.03	.29	-	1	1
ANKLE-----	-	-	33	33	33	14	-	.22	.22	.05	.27	-	7	7
FOOT-----	-	-	5	5	5	43	-	.03	.03	.02	.05	-	5	5
TOE(S)-----	-	-	26	26	26	8	-	.18	.18	.12	.29	-	3	3
LOWER EXTREMITIES, NEC-----	-	-	6	6	6	17	-	.04	.04	.05	.12	-	41	41
BODY SYSTEMS-----	-	-	55	55	55	10	-	.37	.37	.07	.47	-	137	137
MULTIPLE PARTS OF BODY-----	-	-	2	2	2	69	-	.01	.01	.02	.02	-	14	14
UNCLASSIFIED-----	-	-	766	787	791	2	-	.03	.03	2.48	7.85	-	(*)	(*)
TOTAL OR AVERAGE -----	4	21	787	787	791	364	.03	5.35	5.38	2.48	7.85	163	163	326

TABLE 88. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES						
	FATAL	MFDL			TOTAL FATAL AND MFDL	NDL	TOTAL INJURIES	FATAL	MFDL	ALL FATAL AND MFDL	NDL	ALL INJU- RIES	FATAL	MFDL	ALL FATAL AND MFDL		
		PERMANENT	TEMPO- RARY	TOTAL MFDL													
																TOTAL	PARTIAL
TOTAL OR AVERAGE.																	
ALL MINES AND PLANTS:																	
EAR-----	-	-	-	30	30	30	46	76	-	.02	.02	.03	.06	(*)	3		
EYE-----	-	1	-	291	292	292	322	614	-	.22	.22	.24	.47	(*)	3		
JAW-----	-	-	-	20	20	20	30	50	-	.02	.02	.02	.04	(*)	3		
MOUTH/TEETH/TONGUE-----	-	-	-	34	34	34	135	169	-	.03	.03	.10	.13	(*)	3		
NOSE-----	-	-	-	28	28	28	40	68	-	.02	.02	.03	.05	(*)	3		
SCALP-----	-	-	-	6	6	6	11	17	-	(*)	(*)	.01	.01	(*)	5		
SKULL-----	1	-	-	5	5	5	89	6	(*)	.06	.06	.07	.13	(*)	1		
FACE, NEC-----	-	-	-	76	76	76	181	165	-	.14	.14	.14	.28	2	39		
HEAD, NEC-----	8	-	-	182	182	182	196	371	.01	.32	.32	.07	.40	10	14		
NECK-----	1	-	-	426	426	426	98	525	(*)	.02	.02	.01	.02	(*)	3		
UPPER ARM-----	-	-	-	21	21	21	11	32	-	.13	.13	.05	.18	3	2		
ELBOW-----	-	-	-	173	173	173	61	234	-	.06	.06	.06	.12	2	4		
FOREARM-----	-	-	-	82	82	82	78	160	-	.14	.14	.05	.19	4	7		
WRIST-----	-	-	-	189	189	189	62	251	-	.34	.34	.21	.55	24	12		
HAND-----	-	-	-	451	451	451	273	724	-	.81	.81	.73	1.54	99	12		
FINGER(S)-----	-	57	-	1,009	1,066	1,066	962	2,028	-	.17	.17	.05	.22	1	1		
UPPER EXTREMITIES, NEC-----	-	3	-	215	218	218	70	288	-	.04	.04	.01	.05	99	12		
ABDOMEN-----	-	-	-	49	49	49	15	64	-	2.62	2.62	.32	2.94	3	12		
BACK-----	1	3	-	3,444	3,448	3,448	420	3,868	(*)	.18	.18	.06	.23	10	10		
CHEST-----	2	-	-	231	231	231	75	306	-	.28	.28	.03	.30	3	3		
PELVIC REGION-----	-	111	-	254	365	365	36	401	-	.29	.29	.06	.35	10	10		
SHOULDER(S)-----	-	-	-	382	382	382	82	464	(*)	.18	.18	.02	.20	5	5		
TRUNK, NEC-----	1	-	-	232	232	232	28	261	-	.05	.05	.03	.08	1	1		
THIGH-----	-	-	-	70	70	70	37	107	-	.80	.80	.12	.91	28	28		
KNEE-----	-	-	-	1,049	1,049	1,049	155	1,204	-	.09	.09	.03	.12	4	4		
LOWER LEG-----	-	-	-	123	123	123	40	163	-	.35	.35	.03	.37	9	9		
ANKLE-----	-	-	-	458	458	458	35	493	-	.39	.39	.06	.45	5	5		
FOOT-----	-	2	-	518	520	520	79	599	-	.06	.06	.03	.08	11	11		
TOE(S)-----	-	4	-	69	73	73	37	110	-	.24	.24	.07	.31	3	3		
LOWER EXTREMITIES, NEC-----	-	3	-	310	313	313	96	409	-	.03	.03	.02	.07	14	14		
BODY SYSTEMS-----	19	-	-	46	46	46	24	88	.01	.03	.05	.10	.73	87	87		
MULTIPLE PARTS OF BODY-----	29	5	-	788	793	793	137	959	.02	.60	.62	.10	.73	164	164		
UNCLASSIFIED-----	-	-	-	6	6	6	1	7	-	(*)	(*)	(*)	.01	(*)	(*)		
TOTAL OR AVERAGE-----	61	1	189	11,267	11,457	11,518	3,766	15,284	.05	8.70	8.74	2.86	11.60	278	302		
															580		

TABLE 8B. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT BITUMINOUS COAL 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 INJURY- RATES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPORARY											
			TOTAL	PARTIAL										
GRAND TOTAL OR AVERAGE:														
EAR-----	-	-	30	-	30	46	76	-	.02	.02	.03	-	(*)	(*)
EYE-----	-	-	291	-	292	324	616	-	.21	.21	.23	-	2	2
JAW-----	-	-	20	-	20	30	50	-	.01	.01	.02	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	34	-	34	17	189	-	.02	.02	.10	-	(*)	(*)
NOSE-----	-	-	28	-	28	6	68	-	.02	.02	.03	-	(*)	(*)
SCALP-----	-	-	6	-	6	1	17	-	(*)	(*)	.01	-	(*)	(*)
SKULL-----	-	-	6	-	6	7	7	(*)	(*)	.01	-	4	(*)	5
FACE, NEC-----	-	-	77	-	77	89	166	-	.06	.06	.05	-	1	1
HEAD, NEC-----	8	-	183	-	183	191	372	-	.13	.13	.13	-	2	2
NECK-----	1	-	428	-	428	98	527	(*)	.31	.31	.37	35	9	37
UPPER ARM-----	-	-	21	-	21	11	32	-	.02	.02	.01	-	(*)	(*)
ELBOW-----	-	-	173	-	173	61	234	-	.12	.12	.04	-	3	3
FOREARM-----	-	-	82	-	82	78	160	-	.06	.06	.05	-	1	1
WRIST-----	-	-	189	-	189	65	254	-	.14	.14	.05	-	4	4
HAND-----	-	-	451	-	451	273	724	-	.33	.33	.20	-	7	7
FINGER(S)-----	-	57	1,010	-	1,067	965	2,032	-	.77	.77	.70	-	23	23
UPPER EXTREMITIES, NEC-----	-	3	217	-	220	70	290	-	.15	.15	.05	-	12	12
ABDOMEN-----	-	-	49	-	49	15	64	-	.04	.04	.01	-	1	1
BACK-----	1	3	3,452	-	3,456	422	3,878	-	2	2	.30	-	95	95
CHEST-----	2	-	231	-	231	75	306	(*)	.17	.17	.03	-	3	3
PELVIC REGION-----	-	-	255	-	255	36	403	-	.26	.26	.03	-	5	5
SHOULDER(S)-----	-	112	333	-	333	63	456	-	.26	.26	.06	-	10	10
TRUNK, NEC-----	1	-	232	-	232	23	255	(*)	.17	.17	.02	-	5	5
THIGH-----	-	-	70	-	70	37	107	-	.05	.05	.03	-	1	1
KNEE-----	-	-	1,051	-	1,051	156	1,207	-	.75	.75	.67	-	26	26
LOWER LEG-----	-	-	123	-	123	41	164	-	.09	.09	.03	-	4	4
ANKLE-----	-	-	459	-	459	35	494	-	.33	.33	.36	-	8	8
FOOT-----	-	2	519	-	521	80	601	-	.38	.38	.06	-	10	10
TOE(S)-----	-	-	74	-	74	37	111	-	.05	.05	.03	-	3	3
LOWER EXTREMITIES, NEC-----	-	3	310	-	313	97	410	-	.23	.23	.07	-	13	13
BODY SYSTEMS-----	15	-	46	-	46	24	89	-	.01	.01	.03	-	82	82
MULTIPLE PARTS OF BODY-----	29	5	789	-	794	138	927	61	.62	.62	.59	125	30	155
UNCLASSIFIED-----	-	-	6	-	6	1	7	-	(*)	(*)	.01	-	(*)	(*)
TOTAL OR AVERAGE-----	61	1	11,291	190	11,482	3,782	15,325	64	8.28	8.32	2.73	264	287	551

TABLE 9. - NUMBER OF INJURIES, LOSSES, DAYS, AND AVERAGE SEVERITY BY LOCATION OF WORK, LOCATION AND PART OF BODY INJURED
AT ALL COAL OPERATIONS IN THE UNITED STATES, 1968

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOSSES, DAYS						AVERAGE SEVERITY			
	FATAL	MED.			TOTAL FATAL AND MED.	NO.	TOTAL INJURIES	FATAL	MED.			TOTAL FATAL AND MED.	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MED.	
		PERMANENT	TEMPO- RARY	TOTAL MED.					TOTAL	PARTIAL						
UNDERGROUND MINES: UNDERGROUND:																
EAR	-	-	-	-	24	35	59	-	-	-	-	312	-	-	312	13
EYE	-	1	-	-	184	127	315	-	-	-	-	2,887	1,800	-	16	16
FACE	-	-	-	-	20	21	41	-	-	-	-	37	-	-	16	16
ARM	-	-	-	-	20	26	46	-	-	-	-	172	-	-	16	16
NECK/TEETH/TONGUE	-	-	-	-	26	22	48	-	-	-	-	418	-	-	16	16
NOSE	-	-	-	-	4	6	10	-	-	-	-	35	-	-	9	9
SCALP	-	-	-	-	5	5	10	-	-	-	-	25	-	-	51	51
SKULL	-	-	-	-	57	61	118	-	-	-	-	807	-	-	14	14
FACE, NEC	-	-	-	-	137	97	234	42,000	-	-	-	1,951	-	-	305	305
HEAD, NEC	7	-	-	-	357	74	432	6,000	-	-	-	10,882	-	-	47	47
NECK	1	-	-	-	10	4	14	-	-	-	-	193	-	-	19	19
UPPER ARM	-	-	-	-	131	29	160	-	-	-	-	3,747	-	-	24	24
ELBOW	-	-	-	-	131	44	175	-	-	-	-	1,421	-	-	24	24
FOREARM	-	-	-	-	136	29	165	-	-	-	-	3,622	-	-	22	22
Wrist	-	-	-	-	338	161	519	-	-	-	-	7,883	-	-	30	30
HAND	-	-	-	-	800	574	1,415	-	-	-	-	25,325	201	-	90	90
FINGER(S)	-	41	-	-	160	45	205	-	-	-	-	14,765	3,240	-	27	27
UPPER EXTREMITIES, NEC	-	3	-	-	28	16	34	-	-	-	-	75	-	-	36	36
ARM	-	-	-	-	256	211	467	-	-	-	-	93,330	-	-	50	50
BACK	-	-	-	-	162	39	203	12,000	-	-	-	2,731	-	-	36	36
PELVIC REGION	2	-	-	-	256	39	295	-	-	-	-	9,254	-	-	38	38
SHOULDER(S)	-	-	-	-	162	39	203	-	-	-	-	10,299	-	-	20	20
TRUNK, NEC	-	-	-	-	162	39	203	6,000	-	-	-	6,422	-	-	36	36
THIGH	1	-	-	-	162	39	203	-	-	-	-	951	-	-	36	36
KNEE	-	-	-	-	162	39	203	-	-	-	-	28,077	-	-	44	44
LOWER LEG	-	-	-	-	162	39	203	-	-	-	-	3,576	-	-	26	26
ANKLE	-	-	-	-	162	39	203	-	-	-	-	7,343	-	-	26	26
FOOT	-	-	-	-	162	39	203	-	-	-	-	11,420	1,750	-	23	23
TOE(S)	-	-	-	-	162	39	203	-	-	-	-	3,679	-	-	71	71
LOWER EXTREMITIES, NEC	-	-	-	-	162	39	203	-	-	-	-	15,795	2,050	-	44	44
BODY SYSTEMS	13	-	-	-	273	20	293	78,000	-	-	-	839	-	-	35	35
MULTIPLE PARTS OF BODY	18	-	-	-	532	75	607	108,000	-	-	-	31,536	2,156	-	251	251
UNCLASSIFIED	-	-	-	-	2	2	4	-	-	-	-	20	-	-	10	10
TOTAL OR AVERAGE	42	130	8,349	8,479	2,521	2,129	10,150	252,000	45,470	256,366	301,826	350	-	31	65	65

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL (CAL) 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	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- MENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL				
SURFACE AT UNDERGROUND:															
EAR	-	-	1	-	1	1	2	-	-	-	-	5	-	5	5
EYE	-	-	21	-	21	22	43	-	-	-	-	44	-	2	2
MOUTH/TEETH/TONGUE	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
SCALP	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-
FACE, NEC	-	-	5	-	5	8	13	-	-	-	-	88	-	14	14
HEAD, NEC	-	-	10	-	10	4	14	-	-	-	-	143	-	14	14
NECK	-	-	4	-	4	3	7	-	-	-	-	129	-	32	32
UPPER ARM	-	-	3	-	3	10	13	-	-	-	-	150	-	50	50
ELBOW	-	-	10	-	10	5	15	-	-	-	-	201	-	20	20
FOREARM	-	-	3	-	3	13	16	-	-	-	-	59	-	20	20
WRIST	-	-	13	-	13	3	16	-	-	-	-	67	-	20	20
HAND	-	-	45	-	45	10	55	-	-	-	-	208	-	51	51
FINGER(S)	-	-	10	-	10	3	13	-	-	-	-	208	-	16	16
UPPER EXTREMITIES, NEC	-	-	3	-	3	3	6	-	-	-	-	1,005	100	22	24
ABDOMEN	-	-	162	-	162	1	163	-	-	-	-	286	-	14	14
BACK	-	-	8	-	8	2	10	-	-	-	-	42	-	37	37
CHEST	-	-	13	-	13	4	17	-	-	-	-	7,788	1,800	17	17
PELVIC REGION	-	-	20	-	20	1	21	-	-	-	-	782	-	33	33
SHOULDER(S)	-	-	14	-	14	1	15	-	-	-	-	161	-	24	24
TRUNK, NEC	-	-	42	-	42	9	51	-	-	-	-	144	-	12	12
THIGH	-	-	10	-	10	1	11	-	-	-	-	1,834	-	25	25
KNEE	-	-	20	-	20	3	23	-	-	-	-	437	-	44	44
LOWER LEG	-	-	20	-	20	1	21	-	-	-	-	691	-	73	73
ANKLE	-	-	13	-	13	4	17	-	-	-	-	233	-	25	25
FOOT	-	-	32	-	32	5	37	-	-	-	-	292	-	22	22
TOE(S)	-	-	9	-	9	534	543	12,000	2,250	15,921	18,171	30,171	250	30	35
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	2	9	534	543	545	219	764	12,000	2,250	15,921	18,171	30,171	250	30	35

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

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	MED			TOTAL FATAL AND MED	MED	TOTAL INJURIES	FATAL	PERMANENT		TOTAL MED	TOTAL FATAL AND MED	PERMA- NENT PARTIAL	TEMP- PARTIAL	TOTAL FATAL AND MED
		TOTAL	PARTIAL	TOTAL					PARTIAL						
TOTAL OR AVERAGE, U.S.	-	25	25	317	25	317	-	-	1,800	-	317	317	1,800	-	13
EAR	-	204	204	1,141	204	1,141	-	-	-	-	2,941	2,941	-	-	14
EYE	-	20	20	327	20	327	-	-	-	-	327	327	-	-	16
ARM	-	20	20	172	20	172	-	-	-	-	418	418	-	-	16
FOOT/TOE/TONGUE	-	26	26	35	26	35	-	-	-	-	35	35	-	-	5
NECK	-	4	4	255	4	255	-	-	-	-	255	255	-	-	51
SCALP	-	5	5	875	5	875	-	-	-	-	875	875	-	-	9
SKULL	-	62	62	104	62	104	-	-	-	-	104	104	-	-	14
FACE, NEC	7	147	147	10,811	154	10,811	42,000	-	-	-	10,811	10,811	-	-	285
HEAD, NEC	1	361	361	3,948	362	3,948	6,000	-	-	-	3,948	3,948	-	-	46
NECK, NEC	-	13	13	1,490	13	1,490	-	-	-	-	1,490	1,490	-	-	26
UPPER ARM	-	141	141	4,279	141	4,279	-	-	-	-	4,279	4,279	-	-	26
ELBOW	-	13	13	8,181	13	8,181	-	-	-	-	8,181	8,181	-	-	24
FOREARM	-	62	62	26,420	62	26,420	-	-	-	-	26,420	26,420	-	-	22
Wrist	-	149	149	14,807	149	14,807	-	-	-	-	14,807	14,807	-	-	36
ARM	-	371	371	3,396	371	3,396	-	-	-	-	3,396	3,396	-	-	22
FINGER(S)	-	345	345	3,396	345	3,396	-	-	-	-	3,396	3,396	-	-	36
UPPER EXTREMITIES, NEC	-	42	42	2,725	42	2,725	-	-	-	-	2,725	2,725	-	-	31
SHOULDER	-	3	3	1,100	3	1,100	-	-	-	-	1,100	1,100	-	-	37
ARM, NEC	-	3	3	2,868	3	2,868	-	-	-	-	2,868	2,868	-	-	36
BACK	-	27	27	11,012	27	11,012	-	-	-	-	11,012	11,012	-	-	38
CHEST	2	170	170	6,583	172	6,583	12,000	-	-	-	6,583	6,583	-	-	35
PELVIC REGION	-	275	275	3,911	275	3,911	-	-	-	-	3,911	3,911	-	-	38
SHOULDER(S)	-	310	310	4,113	310	4,113	-	-	-	-	4,113	4,113	-	-	37
STOMACH, NEC	-	183	183	8,202	183	8,202	-	-	-	-	8,202	8,202	-	-	45
TRUNK, NEC	-	54	54	10,361	54	10,361	-	-	-	-	10,361	10,361	-	-	23
THIGH	-	845	845	12,111	845	12,111	-	-	-	-	12,111	12,111	-	-	64
KNEE	-	90	90	3,911	90	3,911	-	-	-	-	3,911	3,911	-	-	34
LOWER LEG	-	321	321	8,202	321	8,202	-	-	-	-	8,202	8,202	-	-	23
ANKLE	-	426	426	10,361	426	10,361	-	-	-	-	10,361	10,361	-	-	36
FOOT	-	57	57	1,835	57	1,835	-	-	-	-	1,835	1,835	-	-	43
TOE(S)	-	3	3	5,150	3	5,150	-	-	-	-	5,150	5,150	-	-	30
LOWER EXTREMITIES, NEC	-	233	233	21,614	233	21,614	-	-	-	-	21,614	21,614	-	-	38
BODY SYSTEMS	14	29	29	84,000	43	84,000	84,000	-	-	-	84,000	84,000	-	-	10
MULTIPLE PARTS OF BODY	15	564	564	114,000	579	114,000	114,000	-	-	-	114,000	114,000	-	-	54
UNCLASSIFIED	-	2	2	20	2	20	-	-	-	-	20	20	-	-	31
TOTAL OR AVERAGE	44	8,883	8,883	272,271	9,022	272,271	254,000	-	47,270	-	272,271	583,957	343	31	

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL COAL 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	TEMPORARY	TOTAL				TOTAL	PARTIAL	TOTAL				
SURFACE MINES:														
STRIP:														
EAR	-	-	2	2	2	4	-	-	-	29	-	14	14	
EYE	-	-	61	61	61	133	-	-	-	274	-	4	4	
JAW	-	-	4	4	4	23	-	-	-	33	-	8	8	
MOUTH/TEETH/TONGUE	-	-	2	2	2	11	-	-	-	13	-	6	6	
NOSE	-	-	1	1	1	4	-	-	-	1	-	1	1	
SCALP	-	-	9	9	9	19	-	-	-	101	-	-	6,000	
SKULL	1	-	26	26	27	52	6,000	-	-	301	-	11	11	
FACE, NEC	-	-	49	49	49	16	-	-	-	1,637	-	12	233	
HEAD, NEC	-	-	5	5	5	65	6,000	-	-	94	-	33	33	
NECK	1	-	24	24	24	11	-	-	-	443	-	19	19	
UPPER ARM	-	-	10	10	10	43	-	-	-	143	-	18	18	
ELBOW	-	-	29	29	29	27	-	-	-	868	-	14	14	
FOREARM	-	-	49	49	49	45	-	-	-	985	-	30	30	
WRIST	-	-	108	108	120	330	-	-	-	3,889	-	20	20	
HAND	-	-	29	29	29	116	-	-	-	905	-	31	31	
FINGER(S)	-	-	7	7	7	14	-	-	-	159	-	23	23	
UPPER EXTREMITIES, NEC	-	-	489	489	489	646	-	-	-	21,921	-	45	45	
ABDOMEN	-	-	42	42	42	55	-	-	-	719	-	17	28	
BACK	-	-	36	36	36	68	-	-	-	1,556	-	17	28	
CHEST	-	-	54	54	54	74	-	-	-	1,041	-	19	19	
PELVIC REGION	-	-	36	36	36	41	-	-	-	530	-	18	18	
SHOULDER(S)	-	-	13	13	13	27	-	-	-	430	-	33	33	
TRUNK, NEC	-	-	120	120	120	162	-	-	-	3,344	-	28	28	
THIGH	-	-	22	22	22	40	-	-	-	1,178	-	54	54	
KNEE	-	-	99	99	99	108	-	-	-	2,271	-	23	23	
LOWER LEG	-	-	54	54	54	69	-	-	-	1,285	-	23	23	
ANKLE	-	-	5	5	5	7	-	-	-	76	-	15	15	
FOOT	-	-	51	51	51	78	-	-	-	1,752	-	34	34	
TOE(S)	-	-	10	10	10	24	-	-	-	96	-	10	10	
LOWER EXTREMITIES, NEC	-	-	169	169	177	223	-	-	-	7,572	-	45	45	
BODY SYSTEMS	4	-	2	2	2	3	24,000	-	-	82	-	41	41	
MULTIPLE PARTS OF BODY	8	-	1	1	1	3	48,000	-	-	53,842	-	28	28	
UNCLASSIFIED	-	-	1	1	1	2,695	84,000	-	-	137,842	-	83	83	
TOTAL OR AVERAGE	14	32	1,615	1,648	1,662	1,033	84,000	6,000	2,735	45,107	85	28	83	

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL COAL 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 FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL
		TOTAL	PARTIAL	TOTAL				PARTIAL					
AUGER	-	-	-	-	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER ARM	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-
CLIMB BANK	-	-	-	-	-	-	-	-	-	-	-	-	-
EYE	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	-	-	-	-	-	-	-	-
PELVIC REGION	-	-	-	-	-	-	-	-	-	-	-	-	-
TRUNK, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-
DREDGE	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL COAL 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	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIDL
		PERMANENT	TEMPORARY	TOTAL NFIDL				TOTAL	PARTIAL	TOTAL NFIDL				
TOTAL OR AVERAGE, SURFACE:														
EAR-----	-	-	2	2	2	4	-	-	-	-	29	-	14	14
EYE-----	-	-	62	62	62	133	-	-	-	-	277	-	4	4
JAW-----	-	-	4	4	4	9	-	-	-	-	33	-	8	8
MOUTH/TEETH/TONGUE-----	-	-	2	2	2	12	-	-	-	-	13	-	6	6
NOSE-----	-	-	1	1	1	4	-	-	-	-	1	-	1	1
SCALP-----	1	-	-	-	-	1	6,000	-	-	-	6,000	-	-	6,000
SKULL-----	-	-	10	10	10	20	-	-	-	-	161	-	16	16
FACE, NEC-----	-	-	27	27	27	80	6,000	-	-	-	312	-	12	12
HEAD, NEC-----	1	-	49	49	49	16	-	-	-	-	1,637	-	33	33
NECK-----	-	-	5	5	5	7	-	-	-	-	94	-	19	19
UPPER ARM-----	-	-	25	25	25	19	-	-	-	-	475	-	14	14
ELBOW-----	-	-	10	10	10	18	-	-	-	-	143	-	30	30
FOREARM-----	-	-	29	29	29	18	-	-	-	-	888	-	20	20
WRIST-----	-	-	49	49	49	68	-	-	-	-	985	-	20	20
HAND-----	-	-	111	111	111	219	-	-	-	-	4,105	-	33	33
FINGER(S)-----	-	-	30	30	30	7	-	-	-	-	911	-	21	21
UPPER EXTREMITIES, NEC-----	-	-	7	7	7	14	-	-	-	-	164	-	30	30
ARM-----	-	-	495	495	495	160	-	-	-	-	22,007	-	23	23
BACK-----	-	-	44	44	44	21	-	-	-	-	726	-	32	32
CHEST-----	-	-	55	55	55	65	-	-	-	-	1,556	-	16	16
PELVIC REGION-----	-	-	36	36	36	14	-	-	-	-	1,113	-	20	20
SHOULDER(S)-----	-	-	19	19	19	75	-	-	-	-	666	-	17	17
SHOULDER, NEC-----	-	-	36	36	36	6	-	-	-	-	1,113	-	18	18
TRUNK, NEC-----	-	-	13	13	13	14	-	-	-	-	663	-	33	33
THIGH-----	-	-	122	122	122	42	-	-	-	-	430	-	26	26
KNEE-----	-	-	23	23	23	18	-	-	-	-	3,388	-	51	51
LOWER LEG-----	-	-	101	101	101	9	-	-	-	-	2,297	-	23	23
ANKLE-----	-	-	60	60	60	14	-	-	-	-	1,674	-	27	27
FOOT-----	-	-	6	6	6	75	-	-	-	-	79	-	13	13
TOE(S)-----	-	-	53	53	53	2	-	-	-	-	1,801	-	34	34
LOWER EXTREMITIES, NEC-----	-	-	10	10	10	24	-	-	-	-	96	-	10	10
BODY SYSTEMS-----	4	-	171	171	171	46	24,000	-	-	-	7,581	-	44	44
MULTIPLE PARTS OF BODY-----	8	-	2	2	2	1	48,000	-	-	-	82	-	41	41
UNCLASSIFIED-----	-	-	1	1	1	3	-	-	-	-	55,381	-	1,721	1,721
TOTAL OR AVERAGE-----	14	32	1,650	1,683	1,697	2,752	84,000	6,000	45,146	54,881	138,881	85	28	82

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL COAL 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
		TOTAL	PERMANENT	TEMPORARY				TOTAL	TEMPORARY	TOTAL NFDL				
TOTAL OR AVERAGE MINING:														
EAR	-	-	27	27	27	40	-	-	-	346	-	13	346	
EYE	-	-	266	267	267	287	-	-	1,800	3,218	1,800	5	3,218	
JAW	-	-	20	20	20	30	-	-	-	327	-	16	327	
TOOTH/TEETH/TONGUE	-	-	32	32	32	125	-	-	-	205	-	16	205	
NOSE	-	-	28	28	28	38	-	-	-	431	-	15	431	
SCALP	-	-	5	5	5	11	-	-	-	36	-	7	36	
SKULL	-	-	5	5	5	16	-	-	-	255	-	51	255	
FACE NEC	1	-	72	72	72	85	-	-	-	1,036	-	14	1,036	
HEAD NEC	8	-	174	174	182	192	-	-	-	2,416	-	14	2,416	
NECK	1	-	410	410	411	505	-	-	-	12,448	-	30	12,448	
UPPER ARM	-	-	18	18	18	29	-	-	-	4,423	-	24	4,423	
ELBOW	-	-	166	166	166	220	-	-	-	4,423	-	27	4,423	
FOREARM	-	-	178	178	178	228	-	-	-	1,623	-	23	1,623	
Wrist	-	-	426	426	426	50	-	-	-	5,147	-	29	5,147	
HAND	-	-	54	54	54	676	-	-	-	9,166	-	22	9,166	
FINGER(S)	-	-	197	197	197	267	-	-	-	30,525	187	21	30,525	
UPPER EXTREMITIES, NEC	-	-	3	3	3	851	-	-	-	15,589	3,240	30	15,589	
ARM	-	-	38	38	38	61	-	-	-	971	-	26	971	
ARMEN	-	-	3,221	3,221	3,225	3,614	-	-	6,000	123,125	1,100	35	123,125	
BACK	-	-	214	214	216	389	-	-	-	3,594	-	17	3,594	
PELVIC REGION	2	-	337	337	337	370	-	-	-	11,592	50	28	11,592	
SHOULDER(S)	-	-	365	365	365	441	-	-	-	12,125	-	33	12,125	
TRUNK, NEC	-	-	219	219	220	245	-	-	-	7,246	-	33	7,246	
THIGH	1	-	67	67	67	101	-	-	-	1,565	-	23	1,565	
KNEE	-	-	968	968	968	1,114	-	-	-	34,299	-	35	34,299	
LOWER LEG	-	-	113	113	113	150	-	-	-	5,293	-	25	5,293	
ANKLE	-	-	486	486	488	559	-	-	-	10,499	-	25	10,499	
FOOT	-	-	63	63	67	101	-	-	-	13,785	-	41	13,785	
TOE(S)	-	-	286	286	289	368	-	-	-	3,991	892	25	3,991	
LOWER EXTREMITIES, NEC	18	-	39	39	39	79	-	-	-	17,888	2,050	41	17,888	
BODY SYSTEMS	27	-	735	740	767	893	-	-	-	108,960	2,196	25	108,960	
MULTIPLE PARTS OF BODY	-	-	4	4	4	5	-	-	-	202,195	2,196	40	202,195	
UNCLASSIFIED	-	-	-	-	-	1	-	-	-	102	-	26	102	
TOTAL OR AVERAGE	58	1	171	10,533	10,705	14,166	348,000	6,000	50,455	318,423	295	30	722,878	

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL COAL 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	NFI	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
INDEPENDENT SHOPS:															
EYE-----	-	-	1	-	1	8	-	-	-	1	-	-	1	1	1
MOUTH/TEETH/TONGUE-----	-	-	1	-	1	2	-	-	-	37	-	-	37	37	37
FACE, NEC-----	-	-	1	-	1	-	-	-	-	3	-	-	3	3	3
NECK-----	-	-	2	-	2	-	-	-	-	36	-	-	36	36	36
ELBOW-----	-	-	1	-	1	-	-	-	-	3	-	-	3	3	3
FOREARM-----	-	-	2	-	2	-	-	-	-	96	-	-	96	96	96
HAND-----	-	-	5	-	5	11	-	-	-	84	-	-	84	84	84
FINGER(S)-----	-	-	2	-	2	-	-	-	-	24	-	-	24	24	24
UPPER EXTREMITIES, NEC-----	-	-	2	-	2	-	-	-	-	40	-	-	40	40	40
ABDOMEN-----	-	-	16	-	16	3	-	-	-	823	-	-	823	823	823
BACK-----	-	-	1	-	1	-	-	-	-	35	-	-	35	35	35
PELVIC REGION-----	-	-	1	-	1	-	-	-	-	62	-	-	62	62	62
SHOULDER(S)-----	-	-	1	-	1	-	-	-	-	44	-	-	44	44	44
TRUNK, NEC-----	-	-	4	-	4	-	-	-	-	93	-	-	93	93	93
KNEE-----	-	-	1	-	1	-	-	-	-	2	-	-	2	2	2
LOWER LEG-----	-	-	1	-	1	-	-	-	-	2	-	-	2	2	2
ANKLE-----	-	-	2	-	2	-	-	-	-	30	-	-	30	30	30
FOOT-----	-	-	1	-	1	-	-	-	-	27	-	-	27	27	27
TOE(S)-----	-	-	1	-	1	-	-	-	-	11	-	-	11	11	11
LOWER EXTREMITIES, NEC-----	-	-	2	-	2	-	-	-	-	53	-	-	53	53	53
BODY SYSTEMS-----	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	48	-	48	32	-	-	-	1,506	-	-	1,506	1,506	31

TABLE 9. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL COAL 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	NFI	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL NFDL						
	TOTAL	PARTIAL												
PROCESSING PLANTS:														
EAR	-	-	3	-	3	7	-	-	-	-	31	-	10	
EYE	-	-	30	-	30	41	-	-	-	-	183	-	6	
JAW	-	-	1	-	1	8	-	-	-	-	9	-	9	
MOUTH/TEETH/TONGUE	-	-	1	-	1	3	-	-	-	-	2	-	2	
NOSE	-	-	-	-	-	1	-	-	-	-	15	-	15	
SCALP	-	-	1	-	1	3	-	-	-	-	77	-	15	
FACE, NEC	-	-	5	-	5	7	-	-	-	-	501	-	42	
HEAD, NEC	-	-	12	-	12	38	-	-	-	-	601	-	33	
NECK	-	-	18	-	18	26	-	-	-	-	51	-	17	
UPPER ARM	-	-	3	-	3	7	-	-	-	-	185	-	38	
ELBOW	-	-	11	-	11	10	-	-	-	-	379	-	31	
FOREARM	-	-	10	-	10	14	-	-	-	-	438	-	19	
WRIST	-	-	30	-	30	25	-	-	-	-	566	-	33	
HAND	-	-	63	-	63	107	-	-	-	-	2,223	-	25	
FINGER(S)	-	-	20	-	20	5	-	-	-	-	667	-	33	
UPPER EXTREMITIES, NEC	-	-	20	-	20	11	-	-	-	-	227	-	39	
ABDOMEN	-	-	20	-	20	10	-	-	-	-	10,195	-	25	
BACK	-	-	259	-	259	33	-	-	-	-	668	-	33	
CHEST	-	-	27	-	27	11	-	-	-	-	1,432	-	72	
PELVIC REGION	-	-	13	-	13	4	-	-	-	-	1,516	-	23	
SHOULDER(S)	-	-	21	-	21	7	-	-	-	-	369	-	11	
TRUNK, NEC	-	-	16	-	16	3	-	-	-	-	45	-	29	
THIGH	-	-	4	-	4	4	-	-	-	-	2,457	-	36	
KNEE	-	-	86	-	86	12	-	-	-	-	545	-	25	
LOWER LEG	-	-	15	-	15	18	-	-	-	-	1,145	-	21	
ANKLE	-	-	45	-	45	3	-	-	-	-	1,754	-	18	
FOOT	-	-	36	-	36	8	-	-	-	-	110	-	17	
TOE(S)	-	-	6	-	6	9	-	-	-	-	446	-	870	
LOWER EXTREMITIES, NEC	-	-	27	-	27	17	-	-	-	-	89	-	321	
BODY SYSTEMS	-	-	6	-	6	10	-	-	-	-	2,527	-	4	
MULTIPLE PARTS OF BODY	-	-	61	-	61	76	-	-	-	-	8	-	4	
UNCLASSIFIED	-	-	2	-	2	-	-	-	-	-	28,461	-	59	
TOTAL OR AVERAGE	4	25	856	881	885	391	24,000	1,620	26,841	28,461	52,461	65	31	

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

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST HOURS/DAYS						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	TEMPO- RARY					TOTAL NFDL
OFFICE-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
EYE-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
SKULL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NECK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARTIST-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PELVIC REGION-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOULDER(S)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER LEG-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOE(S)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	1	24	25	25	16	41	-	50	981	1,031	1,031	50	-	41	41

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

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	NFIL	FATAL	PERMANENT		TOTAL NFIL	TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL
		TOTAL	PARTIAL	TOTAL				PARTIAL						
GRAND TOTAL OR AVERAGE:														
EAR	-	30	297	1	327	77	-	-	-	377	1,800	13	13	13
EYE	-	298	21	34	353	636	-	-	-	3,402	-	5	16	16
JAW	-	21	34	28	83	52	-	-	-	336	-	7	7	7
MOUTH/TEETH/TONGUE	-	21	34	28	83	169	-	-	-	244	-	15	15	15
NOSE	-	28	6	6	40	12	-	-	-	431	-	8	8	8
SKULL	-	6	6	6	18	7	-	-	-	51	-	936	936	936
FACE, NEC	1	79	79	79	158	171	-	-	-	1,180	-	15	15	15
HEAD, NEC	8	187	187	187	374	378	-	-	-	2,925	-	16	16	16
NECK	1	432	432	432	864	531	-	-	-	13,094	-	30	30	30
UPPER ARM	-	21	21	21	42	32	-	-	-	488	-	23	23	23
ELBOW	-	178	178	178	356	235	-	-	-	4,611	-	26	26	26
FOREARM	-	82	82	82	164	161	-	-	-	2,002	-	24	24	24
WRIST	-	192	192	192	384	259	-	-	-	5,595	-	29	29	29
HAND	-	458	458	458	916	734	-	-	-	9,828	-	21	21	21
FINGER(S)	-	1,025	1,025	1,025	2,050	2,056	-	-	-	32,852	-	30	30	30
UPPER EXTREMITIES, NEC	-	221	221	221	442	266	-	-	-	16,348	-	30	73	73
ARM	-	30	30	30	60	56	-	-	-	1,238	-	25	25	25
SHOULDER	-	3,504	3,504	3,504	7,008	3,935	-	-	-	134,489	-	38	67	67
PELVIC REGION	2	241	241	241	482	320	-	-	-	4,262	-	18	18	18
SHOULDER(S)	-	256	256	256	512	410	-	-	-	13,742	-	28	28	28
TRUNK, NEC	-	388	388	388	776	472	-	-	-	13,725	-	35	35	35
THIGH	-	236	236	236	472	265	-	-	-	7,659	-	23	23	23
THIGH	-	71	71	71	142	109	-	-	-	1,610	-	35	35	35
KNEE	-	1,060	1,060	1,060	2,120	1,200	-	-	-	36,923	-	45	45	45
LOWER LEG	-	129	129	129	258	170	-	-	-	5,840	-	25	25	25
ANKLE	-	489	489	489	978	595	-	-	-	11,649	-	24	24	24
FOOT	-	525	525	525	1,050	608	-	-	-	14,603	-	32	32	32
TOE(S)	-	71	71	71	142	112	-	-	-	4,131	-	24	24	24
LOWER EXTREMITIES, NEC	-	4	4	4	8	416	-	-	-	18,345	-	39	39	39
BODY SYSTEMS	19	315	315	315	630	90	-	-	-	115,122	-	24	24	24
MULTIPLE PARTS OF BODY	30	797	797	797	1,594	973	-	-	-	42,723	-	40	40	40
UNCLASSIFIED	-	6	6	6	12	7	-	-	-	110	-	18	18	18
TOTAL OR AVERAGE:	62	11,461	11,659	11,721	23,842	15,563	372,000	6,000	52,125	405,876	265	30	30	66

TABLE 9A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ANTHRACITE COAL 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	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL					
		PERMANENT	TEMPORARY	TOTAL					PERMANENT	TEMPORARY	TOTAL						
		TOTAL	PARTIAL														
UNDERGROUND MINES: UNDERGROUND:																	
EYE	-	-	-	-	-	1	1	-	-	-	-	-					
JAW	-	-	-	-	-	1	1	-	-	-	-	-					
NOSE	-	-	-	-	-	1	1	-	-	-	-	-					
HEAD, NEC	-	-	-	-	-	3	3	-	-	-	-	-					
NECK	-	-	-	-	-	1	1	-	-	-	-	-					
ELBOW	-	-	-	-	-	1	1	-	-	-	-	-					
HAND	-	-	-	-	-	2	2	-	-	-	-	-					
FINGER(S)	-	-	-	-	-	1	1	-	-	-	-	-					
UPPER EXTREMITIES, NEC	-	-	-	-	-	3	3	-	-	-	-	-					
BACK	-	-	-	-	-	3	3	-	-	-	-	-					
CHEST	-	-	-	-	-	1	1	-	-	-	-	-					
KNEE	-	-	-	-	-	1	1	-	-	-	-	-					
LOWER LEG	-	-	-	-	-	1	1	-	-	-	-	-					
ANKLE	-	-	-	-	-	1	1	-	-	-	-	-					
FOOT	-	-	-	-	-	3	3	-	-	-	-	-					
LOWER EXTREMITIES, NEC	-	-	-	-	-	1	1	-	-	-	-	-					
MULTIPLE PARTS OF BODY	-	-	-	-	-	1	1	-	-	-	-	-					
TOTAL OR AVERAGE	-	-	-	-	-	22	22	-	-	-	-	-					
SURFACE AT UNDERGROUND:																	
FINGER(S)	-	-	-	-	-	1	1	-	-	-	-	-					
CHEST	-	-	-	-	-	1	1	-	-	-	-	-					
MULTIPLE PARTS OF BODY	-	-	-	-	-	1	1	-	-	-	-	-					
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	-	-					
TOTAL OR AVERAGE, UG:																	
EYE	-	-	-	-	-	1	1	-	-	-	-	-					
JAW	-	-	-	-	-	1	1	-	-	-	-	-					
NOSE	-	-	-	-	-	3	3	-	-	-	-	-					
HEAD, NEC	-	-	-	-	-	1	1	-	-	-	-	-					
NECK	-	-	-	-	-	1	1	-	-	-	-	-					
ELBOW	-	-	-	-	-	2	2	-	-	-	-	-					
HAND	-	-	-	-	-	1	1	-	-	-	-	-					
FINGER(S)	-	-	-	-	-	1	1	-	-	-	-	-					
UPPER EXTREMITIES, NEC	-	-	-	-	-	3	3	-	-	-	-	-					
BACK	-	-	-	-	-	4	4	-	-	-	-	-					
CHEST	-	-	-	-	-	1	1	-	-	-	-	-					
KNEE	-	-	-	-	-	1	1	-	-	-	-	-					
LOWER LEG	-	-	-	-	-	1	1	-	-	-	-	-					
ANKLE	-	-	-	-	-	1	1	-	-	-	-	-					
FOOT	-	-	-	-	-	3	3	-	-	-	-	-					
LOWER EXTREMITIES, NEC	-	-	-	-	-	1	1	-	-	-	-	-					
MULTIPLE PARTS OF BODY	-	-	-	-	-	23	23	-	-	-	-	-					
TOTAL OR AVERAGE	-	-	-	-	-	7	31	-	-	-	-	-					
TOTAL OR AVERAGE, LG:																	
EYE	-	-	-	-	-	1	1	-	-	-	-	-					
JAW	-	-	-	-	-	1	1	-	-	-	-	-					
NOSE	-	-	-	-	-	3	3	-	-	-	-	-					
HEAD, NEC	-	-	-	-	-	1	1	-	-	-	-	-					
NECK	-	-	-	-	-	1	1	-	-	-	-	-					
ELBOW	-	-	-	-	-	2	2	-	-	-	-	-					
HAND	-	-	-	-	-	1	1	-	-	-	-	-					
FINGER(S)	-	-	-	-	-	1	1	-	-	-	-	-					
UPPER EXTREMITIES, NEC	-	-	-	-	-	3	3	-	-	-	-	-					
BACK	-	-	-	-	-	4	4	-	-	-	-	-					
CHEST	-	-	-	-	-	1	1	-	-	-	-	-					
KNEE	-	-	-	-	-	1	1	-	-	-	-	-					
LOWER LEG	-	-	-	-	-	1	1	-	-	-	-	-					
ANKLE	-	-	-	-	-	1	1	-	-	-	-	-					
FOOT	-	-	-	-	-	3	3	-	-	-	-	-					
LOWER EXTREMITIES, NEC	-	-	-	-	-	1	1	-	-	-	-	-					
MULTIPLE PARTS OF BODY	-	-	-	-	-	23	23	-	-	-	-	-					
TOTAL OR AVERAGE	-	-	-	-	-	7	31	-	-	-	-	-					

TABLE 9A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ANTHRACITE COAL 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	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL	
		PERMANENT	TEMPO- RARY	TOTAL NFIDL				PERMANENT	PARTIAL	TOTAL					
TOTAL	PARTIAL														
TOTAL OR AVERAGE, SURFACE	-	4	4	4	13	-	-	-	13	-	13	-	3	3	
ETC	-	-	-	-	9	-	-	-	-	-	-	-	-	-	
SCALP	-	1	1	1	1	-	-	-	1	-	1	-	60	60	
FACE, NEC	-	1	1	1	1	-	-	-	1	-	1	-	62	62	
NECK	-	1	1	1	1	-	-	-	1	-	1	-	23	23	
ELBOW	-	3	3	3	3	-	-	-	3	-	3	-	26	26	
WRIST	-	1	1	1	1	-	-	-	1	-	1	-	6	6	
HAND	-	3	3	3	3	-	-	-	3	-	3	-	32	32	
FINGER(S)	-	4	4	4	4	-	-	-	4	-	4	-	6	6	
UPPER EXTREMITIES, NEC	-	1	1	1	1	-	-	-	1	-	1	-	44	44	
ABDOMEN	-	-	-	-	-	-	-	-	-	-	-	-	16	16	
BACK	-	18	18	18	18	-	-	-	18	-	18	-	50	50	
CHEST	-	2	2	2	2	-	-	-	2	-	2	-	14	14	
PELVIC REGION	-	3	3	3	3	-	-	-	3	-	3	-	24	24	
SHOULDER(S)	-	1	1	1	1	-	-	-	1	-	1	-	32	32	
TRUNK, NEC	-	1	1	1	1	-	-	-	1	-	1	-	17	17	
THIGH	-	5	5	5	5	-	-	-	5	-	5	-	33	33	
KNEE	-	1	1	1	1	-	-	-	1	-	1	-	72	72	
LOWER LEG	-	3	3	3	3	-	-	-	3	-	3	-	55	55	
ANKLE	-	2	2	2	2	-	-	-	2	-	2	-	18	18	
FOOT	-	1	1	1	1	-	-	-	1	-	1	-	34	34	
LOWER EXTREMITIES, NEC	-	2	2	2	2	-	-	-	2	-	2	-	137	137	
BODY SYSTEMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	57	60	60	86	-	-	-	1,941	410	2,351	137	34	39	

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

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORK						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 NFDL							
TOTAL OR AVERAGE, MINING:																
EYE	-	-	4	-	4	10	14	-	-	13	-	-	3	3	13	3
EAR	-	-	1	-	1	-	1	-	-	41	-	-	41	41	41	41
NOSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCALP	-	-	1	-	1	-	3	-	-	60	-	-	60	60	60	60
FACE, NEC	-	-	3	-	3	-	3	-	-	11	-	-	11	11	11	11
HEAD, NEC	-	-	2	-	2	-	2	-	-	92	-	-	92	92	92	92
NECK	-	-	4	-	4	-	4	-	-	78	-	-	78	78	78	78
ELBOW	-	-	1	-	1	-	1	-	-	26	-	-	26	26	26	26
WRIST	-	-	5	-	5	-	5	-	-	32	-	-	32	32	32	32
HAND	-	-	2	-	2	-	2	-	-	360	-	-	360	360	360	360
FINGER(S)	-	-	21	-	21	-	21	-	-	7	-	-	7	7	7	7
UPPER EXTREMITIES, NEC	-	-	21	-	21	-	21	-	-	849	-	-	849	849	849	849
ARM/FOREARM	-	-	5	-	5	-	5	-	-	90	-	-	90	90	90	90
SHOULDER	-	-	3	-	3	-	3	-	-	50	-	-	50	50	50	50
PELVIC REGION	-	-	1	-	1	-	1	-	-	41	-	-	41	41	41	41
SHOULDER(S)	-	-	1	-	1	-	1	-	-	24	-	-	24	24	24	24
TRUNK, NEC	-	-	1	-	1	-	1	-	-	132	-	-	132	132	132	132
THIGH	-	-	1	-	1	-	1	-	-	185	-	-	185	185	185	185
KNEE	-	-	5	-	5	-	5	-	-	53	-	-	53	53	53	53
LOWER LEG	-	-	2	-	2	-	2	-	-	158	-	-	158	158	158	158
ANKLE	-	-	4	-	4	-	4	-	-	145	-	-	145	145	145	145
FOOT	-	-	3	-	3	-	3	-	-	236	-	-	236	236	236	236
LOWER EXTREMITIES, NEC	-	-	2	-	2	-	2	-	-	37	-	-	37	37	37	37
BOOT SYSTEMS	-	-	2	-	2	-	2	-	-	410	-	-	410	410	410	410
BODY SYSTEMS	1	-	80	83	84	33	117	6,000	-	2,442	2,852	137	31	8,852	2,012	105
MULTIPLE PARTS OF BODY	1	3	80	83	84	33	117	6,000	-	2,442	2,852	137	31	8,852	2,012	105
TOTAL OR AVERAGE	1	3	80	83	84	33	117	6,000	-	2,442	2,852	137	31	8,852	2,012	105

TABLE 9A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ANTHRACITE COAL 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			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL				
PROCESSING PLANTS:															
EAR	-	-	-	-	-	1	6	-	-	-	-	-	-	-	-
EYE	-	-	-	-	-	4	1	-	-	-	-	-	-	-	-
JAW	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
NECK	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	2	4	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	2	4	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	10	10	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
ABDOMEN	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	31	31	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-
PELVIC REGION	-	-	-	-	-	5	5	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
TRUNK, NEC	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-
THIGH	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	6	6	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	6	6	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	4	90	94	94	27	121	-	-	200	-	4,478	50	48	48

TABLE 9A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ANTHRACITE COAL 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					TOTAL	PARTIAL	TOTAL				PARTIAL	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
																	TOTAL	PARTIAL	TOTAL	PARTIAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
																					TOTAL	PARTIAL	TOTAL	PARTIAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	-	1	14	-	-	-	-	-	-	-	17	41	-	3	41	-	-					-	-	17	41	-	-	-	-	3	41	-	-	-	-	32	13	32	16	-	47	7	40	16	55	60	42	44	31	14	132	33	66	22	25	4	49	49	720	75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
EAR:	-	-	-	-	-	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 9A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ANTI-AIRCRAFT COAL OPERATIONS IN THE UNITED STATES, 1939 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	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						
GRAND TOTAL OR AVERAGE:															
EAR.....	-	-	-	-	-	1	-	-	-	-	17	-	3	-	17
EYE.....	-	-	-	-	-	14	-	-	-	-	41	-	41	-	41
ARM.....	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
NOSE.....	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SCALP.....	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
FACE, NEC.....	-	-	-	-	-	5	-	-	-	-	63	-	32	-	32
HEAD, NEC.....	-	-	-	-	-	6	-	-	-	-	53	-	13	-	13
NECK.....	-	-	-	-	-	4	-	-	-	-	126	-	32	-	32
ELBOW.....	-	-	-	-	-	5	-	-	-	-	80	-	16	-	16
FOREARM.....	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Wrist.....	-	-	-	-	-	1	-	-	-	-	141	-	47	-	47
Hand.....	-	-	-	-	-	5	-	-	-	-	50	-	7	-	7
Finger(s).....	-	-	-	-	-	10	-	-	-	-	686	-	16	-	16
Upper extremities, NEC.....	-	-	-	-	-	24	-	-	-	-	63	-	55	-	55
Shoulder.....	-	-	-	-	-	6	-	-	-	-	55	-	60	-	60
Arm.....	-	-	-	-	-	2	-	-	-	-	3,144	-	42	-	42
Back.....	-	-	-	-	-	57	-	-	-	-	425	-	31	-	31
Chest.....	-	-	-	-	-	12	-	-	-	-	262	-	14	-	14
Pelvic region.....	-	-	-	-	-	7	-	-	-	-	153	-	13	-	13
Shoulder(s).....	-	-	-	-	-	4	-	-	-	-	54	-	33	-	33
Trunk, NEC.....	-	-	-	-	-	13	-	-	-	-	132	-	66	-	66
Thigh.....	-	-	-	-	-	6	-	-	-	-	295	-	22	-	22
Knee.....	-	-	-	-	-	11	-	-	-	-	397	-	4	-	4
Lower leg.....	-	-	-	-	-	7	-	-	-	-	215	-	49	-	49
Ankle.....	-	-	-	-	-	1	-	-	-	-	150	-	60	-	60
Foot.....	-	-	-	-	-	1	-	-	-	-	4	-	720	-	720
Toe(s).....	-	-	-	-	-	1	-	-	-	-	244	-	4	-	4
Lower extremities, NEC.....	-	-	-	-	-	6	-	-	-	-	480	-	60	-	60
Body systems.....	1	-	-	-	1	3	-	6,000	-	-	480	-	87	-	87
Multiple parts of body.....	-	-	-	-	-	12	-	6,000	-	-	7,330	-	40	-	40
TOTAL OR AVERAGE:	1	7	170	177	178	238	60	6,000	510	6,720	13,330	87	40	-	75

TABLE 9B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BLINDFOLD COAL OPERATIONS IN THE UNITED STATES, 1969

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	TOTAL NFDL							
UNDERGROUND MINES:																	
UNDERGROUND:																	
EAR.....	-	-	-	24	24	59	35	-	-	-	-	-	-	312	2,897	13	13
EYE.....	-	-	-	183	184	315	131	-	-	-	-	1,800	-	2,897	286	6	6
JAW.....	-	-	-	19	19	40	21	-	-	-	-	-	-	172	172	15	15
MOUTH/TEETH/TONGUE.....	-	-	-	28	28	124	56	-	-	-	-	-	-	418	418	6	6
NOSE.....	-	-	-	26	26	47	21	-	-	-	-	-	-	35	35	9	9
SCALP.....	-	-	-	4	4	10	6	-	-	-	-	-	-	255	255	16	16
SKULL.....	-	-	-	5	5	5	-	-	-	-	-	-	-	807	807	51	51
FACE, NEC.....	-	-	-	57	57	118	61	-	-	-	-	-	-	1,950	1,950	14	14
HEAD, NEC.....	7	-	-	134	141	238	97	-	42,000	-	-	-	-	10,652	10,652	15	15
NECK.....	1	-	-	356	357	431	74	-	6,000	-	-	-	-	193	193	30	30
UPPER ARM.....	-	-	-	10	10	14	4	-	-	-	-	-	-	1,421	1,421	19	19
ELBOW.....	-	-	-	130	130	159	29	-	-	-	-	-	-	3,739	3,739	29	29
FOREARM.....	-	-	-	59	59	103	44	-	-	-	-	-	-	3,622	3,622	24	24
WRIST.....	-	-	-	135	135	165	29	-	-	-	-	-	-	7,870	7,870	27	27
HAND.....	-	-	-	356	356	516	160	-	-	-	-	-	-	25,323	25,323	22	22
FINGER(S).....	-	-	-	799	840	1,413	573	-	-	-	-	-	-	14,391	14,391	30	30
UPPER EXTREMITIES, NEC.....	-	-	-	156	159	204	45	-	-	-	-	-	-	3,240	3,240	21	21
ARM.....	-	-	-	28	28	34	6	-	-	-	-	-	-	765	765	27	27
BACK.....	-	-	-	2,561	2,563	2,774	211	-	-	-	-	-	-	93,272	93,272	36	36
CHEST.....	2	-	-	159	159	200	39	-	12,000	-	-	-	-	2,701	2,701	17	17
PELVIC REGION.....	-	-	-	192	262	279	17	-	-	-	-	-	-	9,254	9,254	35	35
SHOULDER(S).....	-	-	-	289	289	341	52	-	-	-	-	-	-	10,299	10,299	36	36
TRUNK, NEC.....	1	-	-	169	170	188	18	-	6,000	-	-	-	-	6,422	6,422	38	38
THIGH.....	-	-	-	49	49	68	19	-	-	-	-	-	-	991	991	20	20
KNEE.....	-	-	-	804	804	898	94	-	-	-	-	-	-	29,077	29,077	36	36
LOWER LEG.....	-	-	-	83	83	101	18	-	-	-	-	-	-	3,640	3,640	44	44
ANKLE.....	-	-	-	291	291	312	21	-	-	-	-	-	-	7,483	7,483	25	25
FOOT.....	-	-	-	397	398	445	47	-	-	-	-	-	-	11,418	11,418	38	38
TOE(S).....	-	-	-	48	52	81	29	-	-	-	-	-	-	3,679	3,679	44	44
LOWER EXTREMITIES, NEC.....	-	-	-	217	220	264	44	-	-	-	-	-	-	15,614	15,614	35	35
BODY SYSTEMS.....	13	-	-	24	24	45	8	-	78,000	-	-	-	-	839	839	71	71
MULTIPLE PARTS OF BODY.....	18	-	-	537	555	629	74	-	108,000	-	-	-	-	31,536	31,536	2,131	2,131
UNCLASSIFIED.....	-	-	-	2	2	2	-	-	-	-	-	-	-	20	20	39	39
TOTAL OR AVERAGE.....	42	-	-	8,327	8,457	10,522	2,123	252,000	255,883	45,470	301,353	350	31	553,353	553,353	65	65

TABLE 95. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL		
		PERMANENT	TEMPORARY	TOTAL NFIL				TOTAL	PARTIAL							
SURFACE AT UNDERGROUND:																
EAR	-	-	-	-	-	2	-	-	-	-	-	-	-	-	5	5
EYE	-	-	-	-	-	43	-	-	-	-	-	-	-	-	2	2
MOUTH/TEETH/TONGUE	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
SCALP	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	14
FACE, NEC	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	14
HEAD, NEC	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	32
NECK	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	50
UPPER ARM	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	20
ELBOW	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	20
FOREARM	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	51
WRIST	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	16
HAND	-	-	-	-	-	40	-	-	-	-	-	-	-	-	-	24
FINGER(S)	-	-	-	-	-	103	-	-	-	-	-	-	-	-	-	29
UPPER EXTREMITIES, NEC	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	14
ABDOMEN	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	48
BACK	-	-	-	-	-	181	-	-	-	-	-	-	-	-	-	16
CHEST	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	33
PELVIC REGION	-	-	-	-	-	22	-	-	-	-	-	-	-	-	-	34
SHOULDER(S)	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	12
TRUNK, NEC	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	29
THIGH	-	-	-	-	-	51	-	-	-	-	-	-	-	-	-	44
KNEE	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	73
LOWER LEG	-	-	-	-	-	31	-	-	-	-	-	-	-	-	-	23
FOOT	-	-	-	-	-	38	-	-	-	-	-	-	-	-	-	25
ANKLE	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	26
TOE(S)	-	-	-	-	-	20	-	-	-	-	-	-	-	-	-	22
LOWER EXTREMITIES, NEC	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	9
BODY SYSTEMS	-	-	-	-	-	37	-	-	-	-	-	-	-	-	-	34
MULTIPLE PARTS OF BODY	-	-	-	-	-	761	-	-	-	-	-	-	-	-	-	44
TOTAL OR AVERAGE	1	9	533	542	543	218	6,000	2,250	15,893	1,078	24,143	250	39			

TABLE 9B. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL 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	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL	TOTAL							
TOTAL OR AVERAGE, U.S.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EAR	-	-	-	-	-	61	36	-	317	-	-	-	317	-	-	13
EYE	-	-	-	-	-	358	153	-	1,141	1,800	-	1,800	2,941	-	-	14
JAW	-	-	-	-	-	40	21	-	286	-	-	-	286	-	-	6
MOUTH/TEETH/TONGUE	-	-	-	-	-	130	102	-	172	-	-	-	172	-	-	15
NOSE	-	-	-	-	-	51	25	-	418	-	-	-	418	-	-	6
SCALP	-	-	-	-	-	11	4	-	35	-	-	-	35	-	-	9
SKULL	-	-	-	-	-	5	5	-	255	-	-	-	255	-	-	51
FACE, NEC	-	-	-	-	-	127	65	-	875	-	-	-	875	-	-	14
HEAD, NEC	7	-	-	-	7	256	105	42,000	2,093	-	-	-	2,093	-	-	292
NECK	1	-	-	-	1	439	78	6,000	10,781	-	-	-	10,781	-	-	46
UPPER ARM	-	-	-	-	-	17	4	-	343	-	-	-	343	-	-	30
ELBOW	-	-	-	-	-	175	35	-	3,940	-	-	-	3,940	-	-	26
FOREARM	-	-	-	-	-	112	50	-	1,480	-	-	-	1,480	-	-	28
Wrist	-	-	-	-	-	181	32	-	4,279	-	-	-	4,279	-	-	24
HAND	-	-	-	-	-	556	181	-	8,168	-	-	-	8,168	-	-	29
FINGER(S)	-	-	-	-	-	1,516	630	-	26,418	-	-	-	26,418	-	-	22
UPPER EXTREMITIES, NEC	-	-	-	-	-	215	46	-	14,677	-	-	-	14,677	-	-	30
ARM/SHOULDER	-	-	-	-	-	38	7	-	807	-	-	-	807	-	-	87
TRUNK	-	-	-	-	-	28	28	-	97,750	-	-	-	101,060	-	-	26
BACK	-	-	-	-	-	295	45	-	2,810	-	-	-	2,810	-	-	37
PELVIS	2	-	-	-	2	213	45	12,000	5,186	-	-	-	10,036	-	-	88
PELVIC REGION	-	-	-	-	-	301	56	-	3,850	-	-	-	11,012	-	-	17
SHOULDER(S)	-	-	-	-	-	366	19	-	11,012	-	-	-	10,036	-	-	30
TRUNK, NEC	-	-	-	-	-	203	20	6,300	6,563	-	-	-	12,583	-	-	36
THIGH	1	-	-	-	1	74	19	-	1,135	-	-	-	1,135	-	-	36
LEG	-	-	-	-	-	949	103	-	30,911	-	-	-	30,911	-	-	21
KNEE	-	-	-	-	-	198	88	-	4,077	-	-	-	4,077	-	-	37
LOWER LEG	-	-	-	-	-	343	23	-	8,142	-	-	-	8,142	-	-	46
ANKLE	-	-	-	-	-	483	57	-	10,359	-	-	-	12,109	-	-	25
FOOT	-	-	-	-	-	32	32	-	2,077	-	-	-	3,912	-	-	28
TOE(S)	-	-	-	-	-	284	51	-	1,835	-	-	-	15,906	-	-	64
LOWER EXTREMITIES, NEC	-	-	-	-	-	55	12	84,000	6,150	-	-	-	15,906	-	-	68
BODY SYSTEMS	14	-	-	-	14	665	79	108,000	21,634	-	-	-	84,884	-	-	1,974
MULTIPLE PARTS OF BODY	-	-	-	-	-	2	2	-	20	-	-	-	32,614	-	-	240
UNCLASSIFIED	-	-	-	-	-	2	2	-	20	-	-	-	20	-	-	10
TOTAL OR AVERAGE	43	139	8,860	9,042	2,341	11,383	2,341	258,000	271,775	47,720	343	577,456	319,496	-	-	31

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

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY	
	FATAL	NFOL			TOTAL FATAL AND NFOL	TOTAL INJURIES	FATAL	NFOL			TOTAL FATAL AND NFOL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFOL
		PERMANENT	TEMPORARY	TOTAL NFOL				PERMANENT	TEMPORARY	TOTAL NFOL				
SURFACE MINES:														
STRIP:														
EAR:	-	-	2	2	2	6	-	-	29	29	-	-	29	14
EYE:	-	-	58	58	58	182	-	-	264	264	-	-	264	5
FACE:	-	-	4	4	4	9	-	-	33	33	-	-	33	6
HEAD:	-	-	2	2	2	27	-	-	13	13	-	-	13	1
NECK:	-	-	1	1	1	4	-	-	1	1	-	-	1	1
NOSE:	-	-	9	9	9	26	6,000	-	-	6,000	6,000	-	6,000	11
SCALP:	-	-	26	26	26	79	6,000	-	-	6,000	6,000	-	6,000	11
SKULL:	-	-	48	48	48	124	-	-	101	101	-	-	101	12
TEETH/TONGUE:	-	-	5	5	5	17	-	-	301	301	-	-	301	33
NOSE:	-	-	21	21	21	52	-	-	1,575	1,575	-	-	1,575	19
FACE:	-	-	10	10	10	27	-	-	94	94	-	-	94	18
HEAD:	-	-	28	28	28	40	-	-	373	373	-	-	373	14
NECK:	-	-	46	46	46	113	-	-	143	143	-	-	143	30
UPPER ARM:	-	-	105	105	105	207	-	-	842	842	-	-	842	21
FOREARM:	-	-	29	29	29	67	-	-	965	965	-	-	965	31
WRIST:	-	-	7	7	7	20	-	1,300	3,406	3,406	-	139	3,406	23
HAND:	-	-	472	472	472	628	-	-	905	905	-	-	905	45
FINGER(S):	-	-	40	40	40	6	-	-	164	164	-	-	164	17
UPPER EXTREMITIES, NEC:	-	-	36	36	36	59	6,000	-	21,175	21,175	-	-	21,175	28
ABDOMEN:	-	-	51	51	51	71	-	-	1,506	1,506	-	-	1,506	17
BACK:	-	-	12	12	12	26	-	900	1,000	1,000	-	50	1,000	20
CHEST:	-	-	35	35	35	41	-	-	606	606	-	-	606	18
PELVIC REGION:	-	-	115	115	115	157	-	-	539	539	-	-	539	25
SHOULDER(S):	-	-	21	21	21	39	-	-	298	298	-	-	298	27
TRUNK, NEC:	-	-	115	115	115	157	-	-	3,159	3,159	-	-	3,159	55
THIGH:	-	-	21	21	21	8	-	-	1,161	1,161	-	-	1,161	23
KNEE:	-	-	36	36	36	104	-	-	2,173	2,173	-	-	2,173	24
LOWER LEG:	-	-	53	53	53	68	-	35	1,243	1,243	-	35	1,278	15
ANKLE:	-	-	5	5	5	7	-	-	76	76	-	-	76	34
FOOT:	-	-	50	50	50	76	-	-	1,697	1,697	-	-	1,697	10
TOE(S):	-	-	10	10	10	23	-	-	96	96	-	-	96	45
LOWER EXTREMITIES, NEC:	-	-	167	167	175	220	24,000	-	7,535	7,535	-	-	7,535	41
BOOT SYSTEMS:	4	-	2	2	2	3	48,000	-	82	82	-	-	82	1,721
MULTIPLE PARTS OF BODY:	8	-												317
UNCLASSIFIED:														41
TOTAL OR AVERAGE:	14	1	1,566	1,566	1,610	2,619	84,000	6,000	43,447	2,325	51,772	80	135,772	84

TABLE 9B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL 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	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	TEMPO- RARY					TOTAL NFDL
ALDER:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER ARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUM BANK:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DREDGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 9B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BLUMINOUS COAL 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	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 OR AVERAGE, SURFACE:															
EAR	-	-	2	-	2	4	-	-	-	29	29	-	14	29	14
EYE	-	-	58	-	58	124	-	-	-	264	264	-	5	264	5
JAW	-	-	4	-	4	9	-	-	-	33	33	-	8	33	8
MOUTH/TEETH/TONGUE	-	-	2	-	2	27	-	-	-	13	13	-	6	13	6
NOSE	-	-	1	-	1	14	-	-	-	1	1	-	1	1	1
SKULL	1	-	1	-	1	1	-	-	-	1	1	-	-	1	-
FACE, NEC	-	-	9	-	9	27	-	-	-	101	101	-	-	101	-
HEAD, NEC	1	-	27	-	27	80	-	-	-	312	312	-	-	312	-
NECK	-	-	48	-	48	16	-	-	-	1,575	1,575	-	-	1,575	-
UPPER ARM	-	-	5	-	5	7	-	-	-	94	94	-	-	94	-
ELBOW	-	-	22	-	22	19	-	-	-	405	405	-	-	405	-
FOREARM	-	-	10	-	10	18	-	-	-	143	143	-	-	143	-
Wrist	-	-	28	-	28	46	-	-	-	842	842	-	-	842	-
HAND	-	-	45	-	45	114	-	-	-	966	966	-	-	966	-
FINGER(S)	-	-	107	-	107	205	-	-	-	2,225	2,225	-	-	2,225	-
UPPER EXTREMITIES, NEC	-	-	29	-	29	49	-	-	-	1,390	1,390	-	-	1,390	-
ARM/SHOULDER	-	-	7	-	7	13	-	-	-	15	15	-	-	15	-
BACK	-	-	477	-	478	635	-	-	-	594	594	-	-	594	-
CHEST	-	-	42	-	42	62	-	-	-	595	595	-	-	595	-
PELVIC REGION	-	-	36	-	36	20	-	-	-	1,072	1,072	-	-	1,072	-
SHOULDER(S)	-	-	52	-	52	67	-	-	-	639	639	-	-	639	-
TRUNK, NEC	-	-	35	-	35	41	-	-	-	298	298	-	-	298	-
THIGH	-	-	117	-	117	142	-	-	-	3,203	3,203	-	-	3,203	-
KNEE	-	-	22	-	22	40	-	-	-	1,163	1,163	-	-	1,163	-
LOWER LEG	-	-	98	-	98	106	-	-	-	2,199	2,199	-	-	2,199	-
ANKLE	-	-	58	-	58	73	-	-	-	1,496	1,496	-	-	1,496	-
FOOT	-	-	6	-	6	8	-	-	-	79	79	-	-	79	-
TOE(S)	-	-	52	-	52	79	-	-	-	1,746	1,746	-	-	1,746	-
LOWER EXTREMITIES, NEC	-	-	10	-	10	23	-	-	-	96	96	-	-	96	-
BODY SYSTEMS	4	-	165	-	169	222	-	-	-	7,544	7,544	-	-	7,544	-
MULTIPLE PARTS OF BODY	8	-	169	-	177	45	-	-	-	82	82	-	-	82	-
UNCLASSIFIED	-	-	2	-	2	3	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	14	1	1,593	1,603	1,637	1,029	84,000	5,000	2,325	44,205	52,530	80	28	136,530	83

TABLE 9B. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL 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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	TEMPORARY					TOTAL	PERMANENT	TEMPORARY					
																TOTAL
TOTAL OR AVERAGE, MINING:																
EAR	-	-	27	-	27	40	-	-	-	-	346	-	-	346	13	13
EYE	-	1	262	19	281	277	-	1,800	-	-	3,205	1,800	-	5,005	5	12
JAW	-	-	32	28	60	125	-	-	-	-	286	-	-	286	15	6
MOUTH/TEETH/TONGUE	-	-	28	5	33	10	-	-	-	-	205	-	-	205	15	7
NOSE	-	-	5	5	10	15	-	-	-	-	431	-	-	431	6	1
SCALP	-	-	5	5	10	15	-	-	-	-	36	-	-	36	15	7
SKULL	1	-	71	71	142	154	6,000	-	-	-	255	-	-	255	51	1,042
FACE, NEC	-	-	171	408	579	503	48,000	-	-	-	976	-	-	976	14	282
HEAD, NEC	8	-	408	18	426	28	5,000	-	-	-	2,405	-	-	2,405	14	282
NECK	1	-	162	72	234	216	-	-	-	-	12,356	-	-	18,356	45	24
UPPER ARM	-	-	177	177	354	345	-	-	-	-	4,345	-	-	4,345	24	24
ELBOW	-	-	162	72	234	216	-	-	-	-	1,623	-	-	1,623	23	23
FOREARM	-	-	177	177	354	345	-	-	-	-	5,121	-	-	5,121	22	22
WRIST	-	-	421	421	842	570	-	-	-	-	9,134	-	-	9,134	30	30
HAND	-	52	195	198	393	1,849	-	9,725	-	-	30,033	187	-	30,220	21	21
FINGER(S)	-	3	38	38	76	51	-	9,720	-	-	15,582	3,240	-	18,822	30	30
UPPER EXTREMITIES, NEC	-	-	38	38	76	51	-	-	-	-	971	-	-	971	26	26
ARM	1	-	3,200	3,200	6,400	3,520	12,000	5,000	3,300	112,976	122,276	1,100	-	123,376	35	35
SHOULDER	2	-	208	210	418	365	-	-	-	-	3,504	-	-	3,504	26	26
PELVIC REGION	-	95	241	336	577	275	-	-	4,750	6,792	11,542	50	-	11,592	17	17
SHOULDER(S)	-	-	362	362	724	438	-	-	-	-	12,084	-	-	12,084	28	28
TRUNK, NEC	-	-	218	218	436	244	6,000	-	-	-	7,222	-	-	7,222	33	33
THIGH	1	-	66	66	132	100	-	-	-	-	1,433	-	-	1,433	22	22
KNEE	-	-	963	963	1,926	1,108	-	-	-	-	34,114	-	-	34,114	35	35
LOWER LEG	-	-	111	111	222	148	-	-	-	-	5,240	-	-	5,240	47	47
ANKLE	-	-	418	418	836	449	-	-	-	-	10,341	-	-	10,341	25	25
FOOT	-	2	483	485	968	556	-	-	-	-	13,640	892	-	14,532	28	28
TOE(S)	-	4	63	67	130	101	-	-	-	-	3,981	-	-	3,981	50	50
LOWER EXTREMITIES, NEC	-	3	282	285	567	363	-	-	-	-	17,652	2,050	-	19,702	41	41
BODY SYSTEMS	18	-	39	39	78	78	108,000	-	-	-	108,980	-	-	108,980	25	25
MULTIPLE PARTS OF BODY	26	-	733	738	1,471	888	156,000	-	10,590	29,178	196,156	2,196	-	198,352	40	40
UNCLASSIFIED	-	-	4	4	8	5	-	-	-	-	102	-	-	102	26	26
TOTAL OR AVERAGE	57	166	10,453	10,622	21,075	14,049	342,000	6,000	50,045	315,981	372,026	238	-	714,026	30	30

TABLE 98. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL 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	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							
INDEPENDENT SHOPS																	
EYE	-	-	1	1	1	8	9	-	-	-	1	-	1	-	1	1	1
MOUTH/TEETH/TONGUE	-	-	1	1	1	2	3	-	-	-	37	-	37	-	37	3	3
FACE, NEC	-	-	1	1	1	-	1	-	-	-	3	-	3	-	3	18	3
NECK	-	-	1	1	1	-	1	-	-	-	3	-	3	-	3	-	-
ELBOW	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	-
FOREARM	-	-	2	2	2	11	15	-	-	-	6	-	6	-	48	17	12
HAND	-	-	2	2	2	-	2	-	-	-	4	-	4	-	12	20	20
FINGER(S)	-	-	2	2	2	-	2	-	-	-	46	-	46	-	51	35	35
UPPER EXTREMITIES, NEC	-	-	2	2	2	3	19	-	-	-	823	-	823	-	823	62	62
ABDOMEN	-	-	16	16	16	3	19	-	-	-	35	-	35	-	35	62	62
BACK	-	-	1	1	1	-	1	-	-	-	44	-	44	-	44	44	44
PELVIC REGION	-	-	1	1	1	-	1	-	-	-	93	-	93	-	93	2	2
SHOULDER(S)	-	-	4	4	4	1	5	-	-	-	2	-	2	-	2	2	2
TRUNK, NEC	-	-	1	1	1	-	1	-	-	-	30	-	30	-	30	27	27
KNEE	-	-	1	1	1	-	1	-	-	-	11	-	11	-	11	6	6
LOWER LEG	-	-	1	1	1	-	1	-	-	-	53	-	53	-	53	-	-
ANKLE	-	-	2	2	2	-	2	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	2	2	2	-	2	-	-	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	48	48	48	32	80	-	-	-	1,506	-	1,506	-	31	-	31

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

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		
		PERMANENT	TEMPO- RARY	TOTAL NFIL					TOTAL	PARTIAL	TOTAL NFIL						
PROCESSING PLANTS:																	
EAR	-	-	3	28	31	6	9	-	-	-	31	-	179	31	-	10	6
EYE	-	-	1	1	2	37	65	-	-	-	179	-	9	10	-	6	9
JAW	-	-	1	1	2	8	19	-	-	-	9	-	2	2	-	2	2
MOUTH/TEETH/TONGUE	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-
NOSE	-	-	1	1	2	3	3	-	-	-	15	-	-	15	-	15	18
SCALP	-	-	4	4	8	6	10	-	-	-	74	-	-	74	-	18	42
FACE NEC	-	-	11	16	27	24	35	-	-	-	459	-	-	459	-	42	35
HEAD NEC	-	-	11	16	27	24	20	-	-	-	567	-	-	567	-	35	17
NECK	-	-	3	3	6	7	17	-	-	-	51	-	-	51	-	17	18
UPPER ARM	-	-	10	10	20	9	24	-	-	-	183	-	-	183	-	38	38
ELBOW	-	-	12	12	24	12	19	-	-	-	379	-	-	379	-	27	20
FOREARM	-	-	12	12	24	23	24	-	-	-	323	-	-	323	-	27	20
Wrist	-	-	28	28	56	105	51	-	-	-	548	-	-	548	-	35	34
HAND	-	-	53	53	106	4	163	-	-	620	1,409	-	-	2,073	124	27	27
FINGER(S)	-	-	18	18	36	4	22	-	-	-	611	-	-	611	-	34	34
UPPER EXTREMITIES, NEC	-	-	9	9	18	1	10	-	-	-	172	-	-	172	-	19	19
ABDOMEN	-	-	228	228	456	31	259	-	-	-	7,900	-	-	7,900	-	35	35
BACK	-	-	23	23	46	10	33	-	-	-	333	-	-	333	-	14	14
CHEST	-	-	12	12	24	4	32	-	-	800	1,220	-	-	1,220	-	44	44
PELVIC REGION	-	-	19	19	38	6	25	-	-	-	1,404	-	-	1,404	-	74	74
SHOULDER(S)	-	-	13	13	26	3	16	-	-	-	339	-	-	339	-	26	26
TRUNK, NEC	-	-	4	4	8	3	7	-	-	-	45	-	-	45	-	11	11
THIGH	-	-	82	82	164	9	91	-	-	-	2,347	-	-	2,347	-	29	29
KNEE	-	-	39	39	78	3	43	-	-	-	201	-	-	201	-	18	18
LOWER LEG	-	-	33	33	66	4	40	-	-	-	1,088	-	-	1,088	-	28	28
ANKLE	-	-	5	5	10	7	17	-	-	-	749	-	-	749	-	23	23
FOOT	-	-	26	26	52	3	29	-	-	-	106	-	-	106	-	21	21
TOE(S)	-	-	8	8	16	17	25	-	-	-	438	-	-	438	-	17	17
LOWER EXTREMITIES, NEC	-	-	55	55	110	11	66	-	-	-	89	-	-	89	-	15	15
BODY SYSTEMS	1	-	2	2	3	-	3	5,000	-	-	2,084	-	-	2,084	-	38	38
MULTIPLE PARTS OF BODY	3	-	2	2	5	-	5	18,000	-	-	8	-	-	8	-	4	4
UNCLASSIFIED	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	4	21	766	787	791	364	1,155	24,000	1,420	-	22,583	68	29	61	-	-	-

TABLE 98. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL 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	FATAL	NFIL		TOTAL NFIL	TOTAL FATAL AND NFIL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFIL
		TOTAL	PERMANENT											
			TOTAL	PARTIAL										
TOTAL OR AVERAGE	61	11,267	11,457	11,518	15,284	356,000	6,000	51,465	340,050	753,515	272	30	753,515	
ALL MINES AND PLANTS:														
EAR	-	-	-	30	46	-	-	-	-	377	377	-	13	377
EYE	-	1	30	292	322	-	-	1,800	1,800	3,385	3,385	1,800	15	3,385
JAW	-	-	20	20	30	-	-	-	-	295	295	-	7	295
MOUTH/TEETH/TONGUE	-	-	34	34	135	-	-	-	-	244	244	-	15	244
NOSE	-	-	28	28	68	-	-	-	-	431	431	-	8	431
SCALP	-	-	6	6	11	-	-	-	-	51	51	-	51	51
SKULL	-	-	5	5	17	-	-	-	-	255	255	-	15	255
FACE	-	-	76	76	89	-	6,000	-	-	1,053	6,255	-	1,042	6,255
HEAD	-	-	182	182	191	-	48,000	-	-	2,864	50,864	-	14	50,864
NECK	8	-	426	427	98	-	6,000	-	-	12,959	18,959	-	30	18,959
UPPER ARM	-	-	21	21	11	-	-	-	-	488	488	-	23	488
FOREARM	-	-	173	173	61	-	-	-	-	4,531	4,531	-	26	4,531
ELBOW	-	-	82	82	78	-	-	-	-	2,002	2,002	-	24	2,002
WRIST	-	-	189	189	160	-	-	-	-	5,444	5,444	-	25	5,444
HAND	-	-	451	451	251	-	-	-	-	9,778	9,778	-	30	9,778
UPPER EXTREMITIES, NEC	-	-	1,009	1,066	273	-	-	-	-	21,801	32,146	181	22	32,146
ARM	-	57	215	218	362	-	-	-	-	16,217	16,217	3,240	30	16,217
UPPER LIMB	-	3	3	3	70	-	-	-	-	1,183	1,183	-	24	1,183
BACK	-	-	3,448	3,448	15	-	-	6,000	3,300	130,989	130,989	1,100	35	130,989
CHEST	-	-	231	231	420	-	12,000	-	-	3,837	15,837	-	17	15,837
PELVIC REGION	-	-	254	254	75	-	-	-	-	12,797	12,797	-	33	12,797
SHOULDER(S)	-	-	365	365	36	-	-	-	-	13,550	13,550	-	21	13,550
TRUNK	-	111	382	382	82	-	6,000	-	-	7,605	7,605	-	33	7,605
THIGH	-	-	272	272	28	-	-	-	-	1,478	1,478	-	35	1,478
KNEE	-	-	70	70	37	-	-	-	-	36,554	36,554	-	44	36,554
LOWER LEG	-	-	1,049	1,049	155	-	-	-	-	5,443	5,443	-	25	5,443
ANKLE	-	-	123	123	40	-	-	-	-	11,431	11,431	-	24	11,431
FOOT	-	-	458	458	35	-	-	-	-	14,419	14,419	-	39	14,419
TOE(S)	-	2	518	520	79	-	-	-	-	4,124	4,124	-	24	4,124
LOWER EXTREMITIES, NEC	-	4	69	73	37	-	-	-	-	18,101	18,101	-	40	18,101
BODY SYSTEMS	-	3	310	313	96	-	-	-	-	1,122	1,122	-	18	1,122
MULTIPLE PARTS OF BODY	19	-	46	46	24	-	114,000	-	-	42,242	42,242	-	18	42,242
UNCLASSIFIED	29	-	788	793	137	-	174,000	-	-	110	110	-	30	110
TOTAL OR AVERAGE	61	189	11,267	11,457	11,518	15,284	356,000	6,000	51,465	340,050	753,515	272	30	753,515

TABLE 9B - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT BITUMINOUS COAL 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	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
OFFICE-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	296	296	64	64	8	8	4	4	-	20	34	43	42	22	22	37	-	3	3	34	3	3	3	3	1	1	41																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
EYE-----	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-</

TABLE 9B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL 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	NDI	FATAL	NFDL			PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL					TOTAL	TEMPORARY	TOTAL				
															TOTAL
GRAND TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
JAW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NOSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SCALP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SKULL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HEAD, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NECK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UPPER ARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FOREARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wrist	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ARM/SHOULDER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNCLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	61	1	190	11,291	11,482	11,543	3,782	365,000	6,000	51,515	341,031	764,546	271	30	65

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ALL COAL 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											
UNDERGROUND MINES:															
AMPUTATION/ENUCLEATION----	-	48	-	48	48	-	48	-	07	07	-	07	-	32	32
ASPHYXIATION/DROWNING----	11	-	3	3	14	2	16	02	(*)	02	(*)	02	102	(*)	102
BURN/SCALD (NOT CHEM.)----	-	-	43	43	43	22	65	-	07	07	03	10	-	3	1
CHEMICAL BURN-----	-	-	28	28	28	17	45	-	04	04	03	07	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	15	15	15	2	17	-	02	02	(*)	03	-	1	1
CONCUSSION OR BRUISE----	14	-	1,451	1,451	1,465	252	1,717	02	2,24	2,27	39	2,65	130	43	173
CUT OR PUNCTURE-----	1	1	660	661	1,562	882	1,544	(*)	1,02	1,02	1,36	2,39	9	15	25
DERMATITIS-----	-	-	1	1	1	1	2	-	(*)	(*)	(*)	(*)	-	(*)	(*)
DISLOCATION-----	-	-	33	33	33	4	37	-	05	05	01	06	-	3	3
DUST IN EYE-----	-	-	48	48	48	32	80	-	07	07	05	12	-	(*)	(*)
ELECTRIC SHOCK-----	2	-	20	20	22	2	24	(*)	03	03	(*)	04	19	1	20
ELECT. BURN (CONTACT)-----	-	-	15	15	15	3	18	-	02	02	(*)	03	-	(*)	(*)
FRACTURE-----	-	2	819	821	821	256	1,077	-	1,27	1,27	40	1,67	-	66	66
HERNIA (NOT DISC)-----	-	68	74	74	74	1	74	-	11	11	-	11	-	6	6
POISONING (SYSTEMIC)-----	1	-	1	1	1	4	5	-	(*)	(*)	01	01	-	(*)	(*)
RADIATION/ULTRA VIOLET-----	-	-	68	68	68	14	82	-	11	11	02	13	-	2	2
SCRATCH/ABRASION-----	-	-	63	63	63	22	85	-	10	10	03	13	-	1	1
STRAIN/SPRAIN-----	-	4	102	102	102	401	503	-	6,34	6,34	62	6,96	-	216	216
MULTIPLE INJURIES-----	14	6	558	558	572	118	690	02	8,88	8,88	18	1,07	130	51	181
OTHER INJURY, NEC-----	-	-	31	32	52	15	67	-	08	08	02	10	-	6	6
UNCLASSIFIED (NO DATA)-----	-	-	373	373	373	80	453	-	58	58	12	70	-	22	22
OCCUPATIONAL DISEASES-----	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	42	-	8,349	8,479	8,521	2,129	10,650	06	13,11	13,17	3,29	15,47	390	467	856
SURFACE AT UNDERGROUND:															
AMPUTATION/ENUCLEATION----	-	1	-	1	1	-	1	-	01	01	-	01	-	1	1
ASPHYXIATION/DROWNING----	1	-	1	1	2	1	3	01	01	03	01	04	89	(*)	89
BURN/SCALD (NOT CHEM.)----	-	-	5	5	5	5	10	-	07	07	07	15	-	1	1
CHEMICAL BURN-----	-	-	5	5	5	2	7	-	07	07	03	10	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	1	1	1	1	-	1	-	01	01	-	01	-	(*)	(*)
CONCUSSION OR BRUISE----	-	-	53	53	53	19	72	-	79	79	28	1,07	-	13	13
CUT OR PUNCTURE-----	-	-	43	43	43	95	138	-	64	64	1,41	2,06	-	8	8
DISLOCATION-----	-	-	5	5	5	5	5	-	07	07	07	07	-	3	3
DUST IN EYE-----	-	-	4	4	4	8	12	-	06	06	12	18	-	(*)	(*)
ELECTRIC SHOCK-----	-	-	2	2	2	1	3	-	03	03	01	04	-	1	1
ELECT. BURN (CONTACT)-----	-	-	3	3	3	3	3	-	04	04	04	04	-	1	1
FRACTURE-----	-	7	62	62	62	26	88	-	92	92	39	1,31	-	36	36
HERNIA (NOT DISC)-----	-	-	7	7	7	7	7	-	10	10	10	10	-	5	5
POISONING (SYSTEMIC)-----	-	-	2	2	2	2	4	-	03	03	03	06	-	(*)	(*)
RADIATION/ULTRA VIOLET-----	-	-	9	9	9	2	12	-	13	13	04	18	-	2	2
SCRATCH/ABRASION-----	-	-	3	3	3	1	4	-	04	04	01	06	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	276	276	276	35	311	-	4,11	4,11	52	4,63	-	166	166
MULTIPLE INJURIES-----	1	1	32	32	33	10	43	01	48	49	15	64	89	17	106
OTHER INJURY, NEC-----	-	-	3	3	3	2	5	-	04	04	03	07	-	2	2
UNCLASSIFIED (NO DATA)-----	-	-	26	26	26	9	35	-	39	39	13	52	-	16	16
TOTAL OR AVERAGE-----	2	-	534	543	545	219	764	03	8,09	8,12	3,26	11,38	179	271	449

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ALL COAL 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 INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	PARTIAL											
	TOTAL													
TOTAL OR AVERAGE, UG:														
AMPUTATION/ENUCLEATION	12	49	4	49	3	49	02	07	07	-	07	101	29	29
ASPHYXIATION/DROWNING	-	-	48	48	27	19	-	01	02	(*)	03	-	(*)	101
BURN/SCALD (NOT CHEM.)	-	-	33	33	19	52	-	07	07	04	11	-	(*)	1
CHEMICAL BURN	-	-	16	16	2	18	-	05	05	03	07	-	(*)	1
CONCUSSION (CEREBRAL)	14	-	1,504	16	271	1,789	02	2,11	2,13	38	2,51	118	40	158
CONCUSSION OR BRUISE	1	1	703	704	977	1,682	(*)	99	99	1,37	2,36	8	15	23
CUT OR PUNCTURE	-	-	1	1	1	2	-	(*)	(*)	(*)	(*)	-	(*)	3
DERMATITIS	-	-	38	38	4	42	-	05	05	01	06	-	(*)	3
DISLOCATION	-	-	52	52	40	92	-	07	07	06	13	17	(*)	18
DUST IN EYE	2	-	22	22	3	27	(*)	03	03	(*)	04	17	(*)	1
ELECTRIC SHOCK	-	-	18	18	3	21	-	03	03	(*)	03	-	(*)	63
ELECT. BURN (CONTACT)	-	2	881	883	282	1,165	-	1,24	1,24	39	1,63	-	6	63
FRACTURE	-	75	3	3	81	81	-	11	11	01	11	-	(*)	2
HERNIA (NOT DISC)	-	-	77	77	17	94	-	(*)	(*)	02	12	-	(*)	2
POISONING (SYSTEMIC)	-	-	66	66	23	89	-	09	09	03	12	-	(*)	1
RADIATION/ULTRA VIOLET	-	-	5	5	436	4,814	-	6,13	6,13	6,13	6,74	126	211	211
SCRATCH/ABRASION	-	-	4,373	4,378	128	733	02	83	85	18	1,03	-	47	174
STRAIN/SPRAIN	15	-	584	590	17	72	-	08	08	02	10	-	5	5
MULTIPLE INJURIES	-	1	399	399	89	488	-	56	56	12	68	-	21	21
OTHER INJURY, NEC	-	-	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCCUPATIONAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	44	139	8,883	9,022	9,066	2,348	11,414	06	12,64	12,70	3,29	370	448	818
SURFACE MINES:														
STRIP:														
AMPUTATION/ENUCLEATION	-	13	-	13	13	-	13	-	03	03	-	03	4	4
ASPHYXIATION/DROWNING	2	-	45	45	46	2	2	(*)	-	(*)	-	27	3	27
BURN/SCALD (NOT CHEM.)	1	-	6	6	6	13	19	(*)	10	10	06	13	(*)	16
CHEMICAL BURN	-	-	6	6	6	6	-	01	01	01	03	-	(*)	(*)
CONCUSSION (CEREBRAL)	-	-	188	188	191	96	287	01	42	42	21	40	7	47
CONCUSSION OR BRUISE	3	-	135	135	135	385	520	-	30	30	85	1,15	5	5
CUT OR PUNCTURE	-	-	11	11	11	4	15	-	02	02	01	03	1	1
DERMATITIS	-	-	20	20	20	41	61	-	04	04	09	14	(*)	(*)
DISLOCATION	-	-	2	2	2	1	5	(*)	(*)	01	(*)	01	(*)	(*)
DUST IN EYE	2	-	166	166	167	69	236	(*)	37	37	15	52	2	30
ELECTRIC SHOCK	1	19	7	7	19	9	16	-	04	04	02	04	(*)	(*)
FRACTURE	-	-	8	8	8	6	14	-	02	02	02	04	(*)	(*)
HERNIA (NOT DISC)	-	-	11	11	11	9	20	-	02	02	01	03	(*)	(*)
POISONING (SYSTEMIC)	-	-	782	782	782	251	1,033	-	02	02	02	04	-	50
RADIATION/ULTRA VIOLET	-	-	135	135	140	77	111	-	1,74	1,74	56	2,29	77	77
SCRATCH/ABRASION	-	-	26	26	26	33	101	01	30	30	17	48	11	11
STRAIN/SPRAIN	5	-	68	68	68	33	101	-	06	06	02	08	5	5
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	15	15	07	22	-	-
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	14	32	1,615	1,648	1,662	1,033	2,695	03	3,66	3,69	2,29	187	120	306

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

TABLE 10. - NUMBER OF INJURIES AT ALL COAL 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 INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT	TEMPORARY													
			TOTAL	PARTIAL												
AUGER: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	5 1 6 - 5 2 1 20	- - - - - - - -	5 1 6 - 5 2 1 20	1 4 1 1 1 1 15	6 8 10 6 6 2 35	- - - - - - - -	1.44 .29 1.73 - 1.44 .58 .29 5.76	1.44 .29 1.73 - 1.44 .58 .29 5.76	.29 2.02 1.15 .29 .29 - 4.32	1.73 2.30 2.88 .29 1.73 .58 10.08	- - - - - - - -	48 3 43 - 36 52 1 193	48 3 43 - 36 52 1 193	
CULM BANK: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DUST IN EYE----- FRACTURE----- STRAIN/SPRAIN----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	1 1 1 1 3 2 15	- - - - - - -	1 1 1 1 3 2 15	- 2 2 - - - 6	1 3 2 1 3 2 21	- - - - - - -	.36 .36 - - 1.09 .72 5.44	.36 .36 - - 1.09 .72 5.44	.72 1.09 - - 3.26 2.17	.36 1.09 - - 3.26 7.61	- - - - - - -	3 2 - - 26 92 10 134	3 2 - - 26 92 10 134	
DREDGE: CUT OR PUNCTURE----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	- - -	- - -	1 1 -	1 1 -	- - -	- - -	- - -	1.32 1.32	1.32 1.32	- - -	- - -	- - -	- - -
TOTAL OR AVERAGE, SURFACE: AMPUTATION/ENUCLEATION----- ASPHYXIATION/DROWNING----- BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONCUSSION (CEREBRAL)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DERMATITIS----- DISLOCATION----- DUST IN EYE----- ELECTRIC SHOCK----- FRACTURE----- HERNIA (NOT DISC)----- POISONING (SYSTEMIC)----- RADIATION/ULTRA VIOLET----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- 2 1 - - 3 - - - 2 1 - - - - - - 5 - - - 14	13 - - - - - - - - - - 19 - - - - - - - - -	- - 46 6 6 194 136 - 11 21 174 7 8 11 794 137 26 71 1.650	13 - - - - - - - - - - - - - - - - - - -	13 - 46 6 6 194 136 - 11 21 174 7 8 11 794 137 26 71 1.683	- 27 13 - 99 395 - 4 41 1 73 9 10 21 254 77 37 34 2.752	13 74 19 6 296 531 - 15 62 5 249 19 16 14 10 21 1.048 31 37 105	.03 (*) (*) - - .01 - - - - - - - - - - - - - -	.03 (*) (*) - - - - - - - - - - - - - - - - -	.03 (*) (*) - - - - - - - - - - - - - - - - -	.03 (*) (*) - - - - - - - - - - - - - - - - -	4 26 16 3 (*) (*) 47 5 - 1 (*) 26 43 2 2 (*) (*) 50 50 77 1 5 304	4 26 16 3 (*) (*) 47 5 - 1 (*) 26 43 2 2 (*) (*) 50 50 77 1 5 304			

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT ALL COAL 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											
PROCESSING PLANTS:															
AMPUTATION/ENUCLEATION----	-	5	-	-	5	-	5	-	.03	.03	-	.03	-	4	4
ASPHYXIATION/DROWNING----	1	-	-	25	25	15	40	.01	.16	.01	.10	.26	.39	-	39
BURN/SCALD (NOT CHEM.)----	-	-	-	5	5	9	14	-	.03	.03	.06	.09	-	3	3
CHEMICAL BURN-----	-	-	-	5	5	9	14	-	.03	.03	.06	.09	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	-	2	2	-	2	-	.01	.01	-	.01	-	(*)	(*)
CONTUSION OR BRUISE----	2	-	-	125	125	32	159	.01	.81	.83	.21	1.03	.78	18	96
CUT OR PUNCTURE-----	-	-	-	56	56	156	212	-	.36	.36	1.02	1.38	-	5	5
DERMATITIS-----	-	-	-	1	1	1	1	-	.01	.01	-	.01	-	(*)	(*)
DISLOCATION-----	-	-	-	4	4	1	5	-	.03	.03	.01	.03	-	(*)	(*)
DUST IN EYE-----	-	-	-	7	7	11	18	-	.05	.05	.07	.12	-	(*)	(*)
ELECTRIC SHOCK-----	-	-	-	3	3	2	5	-	.02	.02	.01	.03	-	1	1
ELECT. BURN (CONTACT)----	-	-	-	3	3	3	3	-	.02	.02	-	.02	-	1	1
FRACTURE-----	-	-	-	78	78	45	123	-	.51	.51	.29	.80	-	25	25
HEARING IMPAIRMENT-----	-	-	-	-	-	1	1	-	.01	.01	.01	.01	-	-	-
HERNIA (NOT DISC)-----	-	20	-	21	21	1	21	-	.14	.14	-	.14	-	7	7
POISONING (SYSTEMIC)-----	-	-	-	3	3	1	4	-	.02	.02	.01	.03	-	(*)	(*)
RADIATION/ULTRA VIOLET----	-	-	-	11	11	2	13	-	.07	.07	.01	.08	-	1	1
SCRATCH/ABRASION-----	-	-	-	9	9	6	15	-	.06	.06	.04	.10	-	1	1
STRAIN/SPRAIN-----	-	-	-	415	415	65	480	-	2.70	2.70	.42	3.12	-	89	89
MULTIPLE INJURIES-----	1	-	-	61	61	24	86	.01	.40	.40	.16	.56	.39	23	62
OTHER INJURY, NEC-----	-	-	-	6	6	6	12	-	.04	.04	.04	.08	-	1	1
UNCLASSIFIED (NO DATA)----	-	-	-	41	41	15	56	-	.27	.27	.10	.36	-	8	8
TOTAL OR AVERAGE-----	4	25	856	881	885	391	1,276	.03	5.73	5.76	2.55	8.31	156	185	341

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

AT ALL COAL OPERATIONS IN THE UNITED STATES, 1992																
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												
																TOTAL
TOTAL OR AVERAGE																
ALL MINES AND PLANTS:																
AMPUTATION/ENUCLEATION	-	-	67	-	67	3	67	-	67	01	05	-	67	17	17	17
ASPHYXIATION/DROWNING	15	-	4	120	121	69	121	3	190	(*)	09	01	67	(*)	67	6
BURN/SCALD (NOT CHEM.)	1	-	44	44	44	41	44	2	85	(*)	03	03	4	(*)	4	1
CHEMICAL BURN	-	-	24	24	24	2	24	2	26	-	02	02	-	-	-	1
CONCUSSION (CEREBRAL)	19	-	1,828	1,828	1,847	402	1,847	2	2,249	01	1.37	1.38	85	26	112	15
CONTUSION OR BRUISE	1	1	899	900	901	1,546	901	1	2,447	(*)	07	07	4	(*)	4	10
CUT OR PUNCTURE	-	-	2	2	2	2	2	2	4	-	(*)	(*)	-	-	-	(*)
DERMATITIS	-	-	53	53	53	9	53	9	62	-	04	04	-	2	2	2
DISLOCATION	-	-	81	81	81	94	81	6	175	-	06	06	-	(*)	(*)	(*)
DUST IN EYE	4	-	28	28	32	6	32	3	38	(*)	02	02	18	(*)	1	19
ELECTRIC SHOCK	-	-	22	22	22	3	22	3	25	-	02	02	-	(*)	(*)	(*)
ELECT. BURN (CONTACT)	-	-	1,134	1,137	1,138	403	1,138	1	1,541	(*)	85	85	4	(*)	47	52
FRACTURE	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEARING IMPAIRMENT	-	-	114	7	121	1	121	1	121	-	09	09	-	4	4	4
HERNIA (NOT DISC)	-	-	13	13	13	16	13	1	16	-	01	01	-	(*)	(*)	(*)
POISONING (SYSTEMIC)	-	-	96	96	96	25	96	25	121	-	07	07	-	1	1	1
RADIATION/ULTRA VIOLET	-	-	86	86	86	40	86	40	126	-	06	06	-	1	1	1
SCRATCH/ABRASION	-	-	5,611	5,611	5,611	759	5,611	759	6,370	-	4.21	4.21	94	141	141	141
STRAIN/SPRAIN	-	-	797	797	818	232	797	232	1,050	02	60	61	3	32	32	126
MULTIPLE INJURIES	21	6	87	87	87	34	87	34	121	-	07	07	-	14	14	14
OTHER INJURY, NEC	-	-	511	511	511	139	511	139	650	-	38	38	-	(*)	(*)	(*)
UNCLASSIFIED (NO DATA)	-	-	2	2	2	2	2	2	2	-	(*)	(*)	-	-	-	-
OCCUPATIONAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	62	1	196	11,437	11,634	3,826	11,696	3,826	15,522	05	8.72	8.77	279	303	582	582
OFFICE:																
CONTUSION OR BRUISE	-	-	2	2	2	1	2	1	3	-	03	03	-	1	1	1
CUT OR PUNCTURE	-	-	2	2	2	6	2	6	8	-	03	03	-	(*)	(*)	(*)
DISLOCATION	-	-	1	1	1	1	1	1	1	-	01	01	-	(*)	(*)	(*)
DUST IN EYE	-	-	-	-	-	1	-	1	4	-	01	01	-	-	-	-
FRACTURE	-	-	3	3	3	1	3	1	4	-	04	04	-	5	5	5
HERNIA (NOT DISC)	-	-	1	1	1	2	1	2	2	-	03	03	-	1	1	1
STRAIN/SPRAIN	-	-	12	12	12	6	12	6	18	-	17	17	-	6	6	6
MULTIPLE INJURIES	-	-	2	2	2	1	2	1	3	-	03	03	-	1	1	1
UNCLASSIFIED (NO DATA)	-	-	1	1	1	1	1	1	1	-	01	01	-	-	-	-
TOTAL OR AVERAGE	-	-	24	25	25	16	25	16	41	-	36	36	-	15	15	15

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ALL COAL 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	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL		
		PERMANENT	TEMPORARY	TOTAL NFDL												
															TOTAL	PARTIAL
GRAND TOTAL OR AVERAGE	-	67	57	67	67	-	67	67	67	67	-	67	67	67		
AMPUTATION/NUCLEATION	15	-	4	120	121	3	190	190	190	190	190	64	17	17		
ASPHYXIATION/DROWNING	1	-	120	44	44	69	85	85	85	85	85	4	2	6		
BURN/SCALD (NOT CHEM.)	-	-	44	24	24	41	26	26	26	26	26	-	(*)	(*)		
CHEMICAL BURN	-	-	24	1,830	1,849	2	2,252	2,252	2,252	2,252	2,252	81	25	106		
CONCUSSION (CEREBRAL)	19	-	1,830	902	903	403	2,455	2,455	2,455	2,455	2,455	14	10	14		
CONFUSION OR BRUISE	1	1	901	2	2	1,552	4	4	4	4	4	-	(*)	(*)		
CUT OR PUNCTURE	-	-	2	54	54	2	63	63	63	63	63	-	2	2		
DERMATITIS	-	-	2	81	81	9	176	176	176	176	176	-	(*)	(*)		
DISLOCATION	-	-	54	28	28	6	25	25	25	25	25	17	1	18		
DUST IN EYE	-	-	81	22	22	3	404	404	404	404	404	-	(*)	(*)		
ELECTRIC SHOCK	4	-	22	1,140	1,141	1	1,545	1,545	1,545	1,545	1,545	4	45	49		
ELECT. BURN (CONTACT)	-	-	1,137	-	-	1	1	1	1	1	1	-	-	-		
FRACTURE	1	2	-	-	-	-	123	123	123	123	123	-	4	4		
HEARING IMPAIRMENT	-	-	-	-	-	-	13	13	13	13	13	-	(*)	(*)		
HERNIA (NOT DISC)	-	115	8	96	96	16	129	129	129	129	129	-	1	1		
POISONING (SYSTEMIC)	-	-	13	86	86	25	121	121	121	121	121	-	1	1		
RADIATION/ULTRA VIOLET	-	-	96	86	86	25	121	121	121	121	121	-	1	1		
SCRATCH/ABRASION	-	-	86	5,623	5,623	765	6,386	6,386	6,386	6,386	6,386	-	134	134		
STRAIN/SPRAIN	-	5	5,618	799	820	233	1,053	1,053	1,053	1,053	1,053	90	30	120		
MULTIPLE INJURIES	21	6	793	87	87	34	121	121	121	121	121	3	3	3		
OTHER INJURY, NEC	-	1	86	512	512	139	651	651	651	651	651	-	14	14		
UNCLASSIFIED (NO DATA)	-	-	512	2	2	-	2	2	2	2	2	-	(*)	(*)		
OCCUPATIONAL DISEASES	-	-	2	-	-	-	2	2	2	2	2	-	-	-		
TOTAL OR AVERAGE	52	1	197	11,461	11,659	3,842	15,563	15,563	15,563	15,563	15,563	265	289	554		

TABLE 10A. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1969

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 FATAL AND NFDL											
			TOTAL	PARTIAL												
UNDERGROUND MINES:																
UNDERGROUND:	-	-	-	-	-	1	1	-	-	2.26	.45	45	-	-	-	-
BURN/SCALD (NOT CHEM.)	-	-	5	-	5	6	-	-	-	1.81	.45	2.71	-	14	14	14
CONTUSION OR BRUISE	-	-	4	-	4	5	-	-	-	1.35	.45	2.26	-	94	94	94
CUT OR PUNCTURE	-	-	3	-	3	4	-	-	-	1.35	.45	1.81	-	32	32	32
FRACTURE	-	-	3	-	3	3	-	-	-	1.43	.45	1.35	-	4	4	4
STRAIN/SPRAIN	-	-	1	-	1	2	-	-	-	.45	.45	.90	-	33	33	33
MULTIPLE INJURIES	-	-	1	-	1	1	-	-	-	.43	.45	.45	-	23	23	23
OTHER INJURY, NEC	-	-	5	-	5	6	-	-	-	2.26	.45	2.71	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	22	-	22	28	6	-	-	9.93	2.71	12.64	-	214	214	214
SURFACE AT UNDERGROUND:																
SURFACE AT UNDERGROUND:	-	-	-	-	-	1	1	-	-	1.43	1.43	1.43	-	-	-	-
CUT OR PUNCTURE	-	-	1	-	1	1	-	-	-	1.43	-	1.43	-	40	40	40
FRACTURE	-	-	-	-	-	1	-	-	1.43	1.43	-	1.43	-	8,572	8,572	8,572
MULTIPLE INJURIES	-	-	-	-	-	1	-	-	1.43	1.43	1.43	4.29	-	40	40	40
TOTAL OR AVERAGE	-	-	1	-	1	3	1	-	-	1.43	1.43	4.29	-	8,572	8,572	8,572
TOTAL OR AVERAGE UG																
TOTAL OR AVERAGE UG:	-	-	-	-	-	1	1	-	-	1.72	.34	34	-	-	-	-
BURN/SCALD (NOT CHEM.)	-	-	5	-	5	6	-	-	-	1.72	.34	2.06	-	11	11	11
CONTUSION OR BRUISE	-	-	4	-	4	5	-	-	-	1.37	.69	2.06	-	81	81	81
CUT OR PUNCTURE	-	-	4	-	4	5	-	-	-	1.37	.34	1.72	-	24	24	24
FRACTURE	-	-	3	-	3	3	-	-	-	1.03	.34	1.03	-	3	3	3
STRAIN/SPRAIN	-	-	1	-	1	2	-	-	.34	.34	.69	.34	-	25	25	25
MULTIPLE INJURIES	-	-	1	-	1	1	-	-	-	.34	.34	.34	-	17	17	17
OTHER INJURY, NEC	-	-	5	-	5	6	-	-	-	1.72	.34	2.06	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	23	-	23	31	7	-	-	7.89	2.40	10.64	-	172	172	172
SURFACE MINES:																
SURFACE MINES:	-	-	-	-	-	2	2	-	-	.34	.34	.34	-	51	51	51
STRIP:	-	-	2	-	2	2	-	-	-	.17	.17	.17	-	8	8	8
AMPUTATION/ENUCLEATION	-	-	1	-	1	1	-	-	-	.85	.85	1.71	-	22	22	22
BURN/SCALD (NOT CHEM.)	-	-	5	-	5	5	-	-	-	.68	.68	1.02	-	9	9	9
CONTUSION OR BRUISE	-	-	4	-	4	5	-	-	-	.17	.17	1.02	-	(*)	(*)	(*)
CUT OR PUNCTURE	-	-	1	-	1	1	-	-	-	.85	.85	1.02	-	23	23	23
DUST IN EYE	-	-	5	-	5	6	-	-	-	.17	.17	.17	-	9	9	9
FRACTURE	-	-	1	-	1	1	-	-	-	.17	.17	.17	-	-	-	-
HEMORRHOID (NOT DISC)	-	-	-	-	-	1	-	-	-	.17	.17	.17	-	-	-	-
POISONING (SYSTEMIC)	-	-	25	-	25	29	4	-	-	4.27	.68	4.95	-	35	35	35
STRAIN/SPRAIN	-	-	3	-	3	4	-	-	-	.51	.51	.68	-	7	7	7
MULTIPLE INJURIES	-	-	1	-	1	1	-	-	-	.17	.17	.17	-	1	1	1
OTHER INJURY, NEC	-	-	4	-	4	5	-	-	-	.68	.68	.85	-	28	28	28
UNCLASSIFIED (NO DATA)	-	-	49	-	49	76	24	-	-	8.87	4.09	12.97	-	353	353	353
TOTAL OR AVERAGE	-	-	52	-	52	76	24	-	-	8.87	4.09	12.97	-	353	353	353

TABLE 10A. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ANTHRACITE COAL 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 INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPORARY												
			TOTAL	PARTIAL											
CULM BANK: BURN/SCALD (NOT CHEM.) --- DUST IN EYE --- FRACTURE --- STRAIN/SPRAIN --- TOTAL OR AVERAGE ---	- - - - -	- - - - -	1 1 1 5 8	- - - - 3	1 1 1 5 8	- - - 2 2	1 1 1 7 10	- - - - -	- - - - -	80 80 80 4 00 5 40	80 80 80 4 00 6 40	- - - 1 50 1 50	- - - - -	6 2 48 159 225	6 2 48 159 225
TOTAL OR AVERAGE, SURFACE: AMPUTATION/ENUCLEATION --- BURN/SCALD (NOT CHEM.) --- CONCUSSION OR BRUISE --- CUT OR PUNCTURE --- DUST IN EYE --- FRACTURE --- HERNIA (NOT DISC) --- POISONING (SYSTEMIC) --- STRAIN/SPRAIN --- MULTIPLE INJURIES --- OTHER INJURY, NEC --- UNCLASSIFIED (NO DATA) --- TOTAL OR AVERAGE ---	- - - - - - - - - - - - -	- 2 - - - - 1 - - - - - 3	1 2 5 4 2 6 - - 30 3 1 4 57	- 2 5 4 2 1 - - 6 3 1 4 60	1 2 5 4 2 6 1 - 30 3 1 4 60	- - 5 5 5 1 1 - 6 1 1 1 26	1 2 10 7 7 7 1 36 4 1 5 86	- - - - - - - - - - - - -	- - - - - - - - - - - -	28 28 70 56 28 84 14 14 4 20 42 14 56 8 40	28 28 70 56 28 84 14 14 4 20 42 14 56 8 40	- - 70 84 70 14 - - 84 - 14 14 3 54	- - - - - - - - - - - -	50 8 18 8 9 27 7 - 182 5 1 23 329	50 8 18 8 9 27 7 - 182 5 1 23 329
TOTAL OR AVERAGE, MINING: AMPUTATION/ENUCLEATION --- BURN/SCALD (NOT CHEM.) --- CONCUSSION OR BRUISE --- CUT OR PUNCTURE --- DUST IN EYE --- FRACTURE --- HERNIA (NOT DISC) --- POISONING (SYSTEMIC) --- STRAIN/SPRAIN --- MULTIPLE INJURIES --- OTHER INJURY, NEC --- UNCLASSIFIED (NO DATA) --- TOTAL OR AVERAGE ---	- - - - - - - - - - - - 1	2 - - - - - 1 - - - - 3	- 2 10 8 2 10 - - 33 4 2 9 80	2 2 10 8 2 10 1 - 33 4 2 9 83	2 2 10 8 2 10 1 - 33 4 2 9 83	- 1 6 8 3 2 2 1 6 2 2 2 33	2 3 16 15 12 12 1 1 7 2 11 117	- - - - - - - - - 10 - - -	20 20 99 80 20 99 10 10 3 28 40 20 90 8 26	20 20 99 80 20 99 10 10 3 28 40 20 90 8 35	- 10 60 1 59 50 20 20 10 60 20 20 3 28	- - - - - - - - - 597 - - -	35 16 16 43 5 - 136 602 8 21 254	35 16 16 43 5 - 136 602 8 21 254	

TABLE 10A. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1985 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES		
	FATAL	PERMANENT			TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL	
		TOTAL	PARTIAL	TEMPO- RARY											
PROCESSING PLANTS:															
BURN/SCALD (NOT CHEM.)	-	-	-	3	-	3	5	-	-	45	45	-	5	5	
CHEMICAL BURN	-	-	-	14	-	14	-	-	-	-	-	-	-	-	
CONTUSION OR BRUISE	-	-	-	5	-	5	14	-	-	2 13	2 13	-	35	35	
CUT OR PUNCTURE	-	-	-	2	-	2	5	-	-	76	76	-	13	13	
DISLOCATION	-	-	-	-	-	-	2	-	-	30	30	-	3	3	
DUST IN EYE	-	-	-	7	-	7	-	-	-	-	-	-	-	-	
FRACTURE	-	-	-	7	-	7	7	-	-	1 07	1 07	-	87	87	
HERNIA (NOT DISC)	-	-	-	4	-	4	4	-	-	61	61	-	30	30	
SCRATCH/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN	-	-	-	42	-	42	-	-	-	6 40	6 40	-	290	290	
MULTIPLE INJURIES	-	-	-	6	-	6	5	-	-	91	91	-	166	166	
OTHER INJURY, NEC	-	-	-	2	-	2	2	-	-	30	30	-	10	10	
UNCLASSIFIED (NO DATA)	-	-	-	9	-	9	5	-	-	1 37	1 37	-	43	43	
TOTAL OR AVERAGE	-	-	-	94	90	94	94	-	-	14 32	14 32	-	582	582	
TOTAL OR AVERAGE															
TOTAL OR AVERAGE															
ALL MINES AND PLANTS:															
AMPUTATION/ENUCLEATION	-	-	-	2	-	2	2	-	-	12	12	-	21	21	
BURN/SCALD (NOT CHEM.)	-	-	-	5	-	5	5	-	-	29	29	-	5	5	
CHEMICAL BURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONTUSION OR BRUISE	-	-	-	24	-	24	24	-	-	1 41	1 41	-	23	23	
CUT OR PUNCTURE	-	-	-	13	-	13	13	-	-	77	77	-	10	10	
DISLOCATION	-	-	-	2	-	2	2	-	-	12	12	-	1	1	
DUST IN EYE	-	-	-	2	-	2	2	-	-	12	12	-	-	-	
FRACTURE	-	-	-	17	-	17	17	-	-	1 00	1 00	-	59	59	
HERNIA (NOT DISC)	-	-	-	5	-	5	5	-	-	29	29	-	15	15	
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SCRATCH/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN	-	-	-	75	-	75	75	-	-	4 42	4 42	-	193	193	
MULTIPLE INJURIES	-	-	-	10	-	10	11	-	-	59	59	-	67	67	
OTHER INJURY, NEC	-	-	-	4	-	4	4	-	-	24	24	-	8	8	
UNCLASSIFIED (NO DATA)	-	-	-	18	-	18	18	-	-	1 06	1 06	-	29	29	
TOTAL OR AVERAGE	-	-	-	177	170	177	178	-	-	10 43	10 49	-	432	786	
TOTAL OR AVERAGE	-	-	-	177	170	177	178	-	-	10 43	10 49	-	432	786	

TABLE 10A. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT ANTHRACITE COAL 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 INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TOTAL NFDL	TOTAL INJURIES											
		TOTAL	PARTIAL													
GRAND TOTAL OR AVERAGE:-----	-	-	2	-	2	2	238	06	5.93	9.99	3.37	13.36	337	411	748	
AMPUTATION/ENUCLEATION-----	-	-	-	-	2	2	8	-	.11	.11	.17	.45	-	20	5	
BURN/SCALD (NOT CHEM.)-----	-	-	-	5	5	5	1	3	.28	.28	.06	.06	-	5	-	
CHEMICAL BURN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
CONTUSION OR BRUISE-----	-	-	-	24	24	24	9	9	1.35	1.35	.51	1.85	-	22	22	
CUT OR PUNCTURE-----	-	-	-	13	13	13	19	19	.73	.73	1.07	1.80	-	10	10	
DISLOCATION-----	-	-	-	2	2	2	2	2	.11	.11	-	.11	-	1	1	
DUST IN EYE-----	-	-	-	2	2	2	5	5	.11	.11	.34	.45	-	(*)	(*)	
FRACTURE-----	-	-	-	17	17	17	3	20	.95	.95	.17	1.12	-	56	56	
HEPNEIA (NOT DISC)-----	-	-	5	-	5	5	1	5	.28	.28	.06	.06	-	14	14	
POISONING (SYSTEMIC)-----	-	-	-	-	-	-	1	1	-	-	.06	.06	-	-	-	
SCRATCH/ABRASION-----	-	-	-	-	-	75	8	83	4.21	4.21	.45	4.66	-	184	184	
STRAIN/SPRAIN-----	-	-	-	75	75	75	8	8	.56	.56	.22	.22	337	64	400	
MULTIPLE INJURIES-----	1	-	-	10	10	11	4	15	.22	.22	.28	.28	-	8	8	
OTHER INJURY, NEC-----	-	-	-	4	4	4	5	4	1.01	1.01	.28	1.29	-	28	28	
UNCLASSIFIED (NO DATA)-----	-	-	-	18	18	18	5	23	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	1	-	7	170	177	178	60	238	06	5.93	9.99	3.37	13.36	337	411	

TABLE 108 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT BITUMINOUS COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPORARY											
			TOTAL	PARTIAL										
UNDERGROUND MINES:														
AMPUTATION/ENUCLEATION----	-	48	-	-	48	-	48	-	07	07	-	-	32	32
ASPHYXIATION/DROWNING----	11	-	3	-	14	2	16	02	(*)	02	(*)	102	(*)	102
BURN/SCALD (NOT CHEM.)----	-	43	-	-	43	21	64	-	07	07	03	-	1	1
CHEMICAL BURN-----	-	28	-	-	28	17	45	-	04	04	03	-	1	1
CONCUSSION (CEREBRAL)----	-	15	-	-	15	2	17	-	02	02	03	130	43	174
CONCUSSION OR BRUISE----	14	-	1,446	-	1,450	251	1,711	02	2,24	2,27	39	2,55	24	43
CUT OR PUNCTURE-----	1	1	656	-	657	881	1,539	(*)	1,02	1,02	1,37	2,39	15	25
DERMATITIS-----	-	1	-	-	1	4	5	-	(*)	(*)	(*)	(*)	(*)	(*)
DISLOCATION-----	-	33	-	-	33	32	65	-	05	05	01	06	3	3
DUST IN EYE-----	-	48	-	-	48	2	50	-	07	07	05	12	(*)	(*)
ELECTRIC SHOCK-----	2	20	-	-	22	2	24	(*)	03	03	(*)	19	1	20
ELECT. BURN (CONTACT)----	-	15	-	-	15	3	18	-	02	02	(*)	03	(*)	(*)
FRACTURE-----	-	815	-	-	816	255	1,073	-	1,27	1,27	40	1,56	56	66
HERNIA (NOT DISC)-----	-	68	-	-	74	-	74	-	11	11	11	11	6	6
POISONING (SYSTEMIC)-----	-	1	-	-	1	4	5	-	(*)	(*)	01	01	(*)	(*)
RADIATION/ULTRA VIOLET----	-	68	-	-	68	14	82	-	11	11	02	13	2	2
SCRATCH/ABRASION-----	-	63	-	-	63	22	85	-	10	10	03	13	1	1
STRAIN/SPRAIN-----	-	4,095	-	-	4,099	401	4,500	-	6,36	6,36	62	6,98	217	217
MULTIPLE INJURIES-----	14	6	551	-	557	117	688	02	86	89	18	1,07	51	181
OTHER INJURY, NEC-----	-	368	-	-	368	79	447	-	08	08	02	10	6	6
UNCLASSIFIED (NO DATA)----	-	1	-	-	1	-	1	-	57	57	12	59	22	22
OCCUPATIONAL DISEASES----	-	-	-	-	-	-	-	-	(*)	(*)	-	(*)	(*)	(*)
TOTAL OR AVERAGE-----	42	130	8,327	-	8,457	2,123	10,622	07	13.12	13.19	3.29	15.48	468	858
SURFACE AT UNDERGROUND:														
AMPUTATION/ENUCLEATION----	-	-	-	-	-	-	-	-	02	02	-	-	2	2
ASPHYXIATION/DROWNING----	1	-	1	-	2	1	3	02	02	03	02	90	(*)	90
BURN/SCALD (NOT CHEM.)----	-	5	-	-	5	5	10	-	08	08	03	-	1	1
CHEMICAL BURN-----	-	5	-	-	5	2	7	-	08	08	03	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	1	-	-	1	-	1	-	02	02	-	02	14	14
CONCUSSION OR BRUISE----	-	53	-	-	53	19	72	-	80	80	29	1,06	8	8
CUT OR PUNCTURE-----	-	43	-	-	43	94	137	-	65	65	1,41	2,06	3	3
DISLOCATION-----	-	5	-	-	5	8	12	-	08	08	-	08	(*)	(*)
DUST IN EYE-----	-	4	-	-	4	1	5	-	06	06	12	18	1	1
ELECTRIC SHOCK-----	-	2	-	-	2	-	3	-	03	03	02	05	1	1
ELECT. BURN (CONTACT)----	-	3	-	-	3	-	3	-	05	05	-	-	36	36
FRACTURE-----	-	61	-	-	61	26	87	-	92	92	39	1,31	5	5
HERNIA (NOT DISC)-----	-	7	-	-	7	7	14	-	11	11	11	11	(*)	(*)
POISONING (SYSTEMIC)-----	-	2	-	-	2	2	4	-	03	03	03	06	18	18
RADIATION/ULTRA VIOLET----	-	9	-	-	9	3	12	-	14	14	05	16	2	2
SCRATCH/ABRASION-----	-	3	-	-	3	1	4	-	05	05	02	08	(*)	(*)
STRAIN/SPRAIN-----	-	276	-	-	276	35	311	-	4.15	4.15	53	4.88	167	167
MULTIPLE INJURIES-----	-	32	-	-	32	10	42	-	48	48	15	53	17	17
MULTIPLE INJURY, NEC-----	-	3	-	-	3	2	5	-	05	05	03	08	2	2
OTHER INJURY, NEC-----	-	26	-	-	26	9	35	-	39	39	14	53	16	16
UNCLASSIFIED (NO DATA)----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	1	9	533	-	542	218	761	02	8.16	8.17	3.26	11.45	273	363

TABLE 10B. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1985 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					INCIDENT RATES					SEVERITY MEASURES				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NFI	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFI
		PERMANENT	TEMPORARY	TOTAL											
TOTAL OR AVERAGE, UG:	-	-	49	-	49	-	49	-	07	07	-	07	-	29	29
AMPUTATION/ENUCLEATION	12	-	4	16	20	3	19	02	01	02	(*)	03	101	(*)	101
ASPHYXIATION/DROWNING	-	-	48	33	81	26	74	-	07	07	04	10	-	(*)	1
BURN/SCALD (NOT CHEM.)	-	-	33	33	66	19	52	-	05	05	-	07	-	(*)	(*)
CHEMICAL BURN	-	-	16	16	32	2	18	-	02	02	(*)	03	-	1	1
CONCUSSION (CEREBRAL)	14	-	1,495	1,513	2,998	270	1,783	02	2,113	38	2,51	2,36	118	41	159
CONCUSSION OR BRUISE	1	-	699	701	1,400	575	1,676	(*)	96	1,37	(*)	2,36	8	15	23
CUT OR PUNCTURE	-	-	1	1	2	1	2	-	(*)	(*)	(*)	06	-	(*)	(*)
DERMATITIS	-	-	38	38	76	4	42	-	05	05	01	06	-	3	3
DISLOCATION	-	-	52	52	104	40	92	-	07	07	06	13	-	(*)	(*)
DUST IN EYE	-	-	22	22	44	3	27	(*)	03	03	(*)	04	17	1	18
ELECTRIC SHOCK	2	-	18	18	36	3	21	-	03	03	(*)	04	-	(*)	(*)
ELECT. BURN (CONTACT)	-	-	877	879	1,756	281	1,160	-	1,24	1,24	40	1,63	-	63	63
FRACTURE	-	-	5	5	10	6	11	-	11	11	01	01	-	6	6
HERNIA (NOT DISC)	-	-	3	3	6	3	9	-	(*)	(*)	01	01	-	(*)	(*)
POISONING (SYSTEMIC)	-	-	77	77	154	17	94	-	11	11	02	13	2	2	2
RADIATION/ULTRA VIOLET	-	-	66	66	132	23	89	-	09	09	23	13	-	1	1
SCRATCH/ABRASION	-	-	4,375	4,375	8,750	436	4,811	02	6,15	6,15	61	6,77	-	212	212
STRAIN/SPRAIN	14	-	583	589	1,172	127	730	03	83	85	18	1,03	118	48	166
MULTIPLE INJURIES	-	-	53	54	107	17	71	-	08	08	02	10	5	5	5
OTHER INJURY, NEC	-	-	394	394	788	88	482	-	55	55	12	68	-	21	21
UNCLASSIFIED (NO DATA)	-	-	1	1	2	-	1	-	(*)	(*)	(*)	(*)	-	(*)	(*)
OCCUPATIONAL DISEASES	-	-	8,860	8,999	17,859	-	11,383	06	12,56	12,72	3,29	16,01	363	449	812
TOTAL OR AVERAGE	43	-	135	9,042	9,177	2,341	11,383	-	-	-	-	-	-	-	-
SURFACE MINES:															
STRIP:	-	-	11	11	22	-	11	-	02	02	-	02	-	3	3
AMPUTATION/ENUCLEATION	-	-	-	-	-	-	2	(*)	(*)	(*)	-	(*)	27	-	27
ASPHYXIATION/DROWNING	2	-	44	45	89	27	72	(*)	10	10	06	16	14	3	16
BURN/SCALD (NOT CHEM.)	1	-	6	6	12	13	19	-	01	01	03	04	-	(*)	(*)
CHEMICAL BURN	-	-	6	6	12	6	6	-	01	01	-	01	-	(*)	(*)
CONCUSSION (CEREBRAL)	-	-	183	186	369	91	277	01	41	42	20	62	40	7	47
CONCUSSION OR BRUISE	3	-	131	131	262	379	510	-	29	29	85	1,15	-	5	5
CUT OR PUNCTURE	-	-	11	11	22	4	15	-	02	02	01	03	-	1	1
DERMATITIS	-	-	19	19	38	36	55	-	04	04	08	12	-	(*)	(*)
DISLOCATION	-	-	2	2	4	1	5	(*)	01	01	(*)	01	27	(*)	27
DUST IN EYE	2	-	161	162	323	68	230	(*)	36	36	15	52	14	30	44
ELECTRIC SHOCK	-	-	18	18	36	18	18	-	04	04	-	04	-	2	2
FRACTURE	1	-	7	7	14	7	8	-	02	02	02	03	-	(*)	(*)
HERNIA (NOT DISC)	-	-	8	8	16	8	15	-	02	02	01	03	-	(*)	(*)
POISONING (SYSTEMIC)	-	-	11	11	22	9	20	-	02	02	02	04	-	(*)	(*)
RADIATION/ULTRA VIOLET	-	-	757	757	1,514	247	1,004	-	1,70	1,70	56	2,26	-	48	48
SCRATCH/ABRASION	-	-	132	132	264	76	213	-	30	31	17	48	68	11	48
STRAIN/SPRAIN	5	-	25	25	50	11	36	01	30	31	17	48	11	1	1
MULTIPLE INJURIES	-	-	64	64	128	32	96	-	14	14	07	22	-	5	5
OTHER INJURY, NEC	-	-	1,566	1,566	3,132	1,039	2,619	03	3,59	3,62	2,27	5,89	189	116	305
UNCLASSIFIED (NO DATA)	-	-	1	1	2	-	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	14	-	29	1,510	1,539	1,039	2,619	-	-	-	-	-	-	-	-

TABLE 108. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT BITUMINOUS COAL 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	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPORARY												
			TOTAL	PARTIAL											
AUGER:	-	-	5	5	5	1	6	-	1.44	1.44	29	1.73	-	48	48
CONTUSION OR BRUISE	-	-	1	1	1	7	8	-	29	29	2.02	2.30	-	3	3
CUT OR PUNCTURE	-	-	6	6	6	4	10	-	1.73	1.73	1.15	2.88	-	43	43
FRACTURE	-	-	1	1	1	1	1	-	-	-	29	29	-	-	-
SCRATCH/ABRASION	-	-	1	1	1	1	1	-	-	-	29	29	-	-	-
STRAIN/SPRAIN	-	-	1	1	1	1	1	-	1.44	1.44	29	1.73	-	36	36
MULTIPLE INJURIES	-	-	2	2	2	2	2	-	58	58	29	58	-	52	52
UNCLASSIFIED (NO DATA)	-	-	1	1	1	1	2	-	29	29	29	58	-	1	1
TOTAL OR AVERAGE	-	-	20	20	20	15	35	-	5.76	5.76	4.32	10.08	-	193	193
CULM BANK:	-	-	1	1	1	2	3	-	66	66	1.33	1.99	-	3	3
CONTUSION OR BRUISE	-	-	1	1	1	2	2	-	1.33	1.33	1.33	1.33	-	9	9
CUT OR PUNCTURE	-	-	2	2	2	2	2	-	1.33	1.33	-	1.33	-	29	29
FRACTURE	-	-	2	2	2	2	2	-	1.33	1.33	-	1.33	-	18	18
STRAIN/SPRAIN	-	-	2	2	2	2	2	-	4.64	4.64	2.55	7.29	-	58	58
UNCLASSIFIED (NO DATA)	-	-	7	7	7	4	11	-	-	-	1.37	1.37	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	1.37	1.37	-	-	-
DREDGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, SURFACE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMPUTATION/ENUCLEATION	-	-	11	11	11	-	11	-	02	02	-	02	-	3	3
ASPHYXIATION/DROWNING	2	-	44	44	45	27	72	-	10	10	06	16	-	3	27
BURN/SCALD (NOT CHEM.)	-	-	6	6	6	13	19	-	01	01	03	04	-	1	1
CHEMICAL BURN	-	-	6	6	6	6	6	-	01	01	01	01	-	1	1
CONCUSSION (CEREBRAL)	-	-	6	6	6	6	6	-	01	01	01	01	-	1	1
CONCUSSION OR BRUISE	3	-	189	189	192	94	285	-	42	42	21	64	-	7	47
CUT OR PUNCTURE	-	-	132	132	132	389	521	-	29	29	-86	1.16	-	5	5
DERMATITIS	-	-	11	11	11	4	15	-	02	02	01	03	-	1	1
DISLOCATION	-	-	19	19	19	36	55	-	04	04	08	12	-	1	1
DUST IN EYE	-	-	2	2	2	1	3	-	01	01	01	01	-	1	1
ELECTRIC SHOCK	2	-	166	166	170	72	242	-	38	38	16	54	-	30	44
FRACTURE	1	-	18	18	18	18	18	-	04	04	02	03	-	2	2
HEAVY LIFTING	-	-	7	7	7	8	15	-	02	02	02	03	-	1	1
POISONING (SYSTEMIC)	-	-	8	8	8	6	14	-	02	02	02	03	-	1	1
RADIATION/ULTRA VIOLET	-	-	11	11	11	10	21	-	02	02	02	05	-	1	1
SCRATCH/ABRASION	-	-	764	764	764	248	1,012	-	170	170	55	2.25	-	46	46
STRAIN/SPRAIN	-	-	134	134	139	76	215	-	30	30	17	48	-	11	11
MULTIPLE INJURIES	5	-	25	25	25	11	36	-	06	06	02	08	-	1	1
OTHER INJURY, NEC.	-	-	67	67	67	33	100	-	15	15	37	22	-	5	5
UNCLASSIFIED (NO DATA)	-	-	1,593	1,593	1,637	1,029	2,600	-	3.61	3.61	2.29	5.92	-	117	117
TOTAL OR AVERAGE	14	1	29	29	29	1,029	2,600	-	3.61	3.61	2.29	5.92	-	117	117

TABLE 105 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT BITUMINOUS COAL 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	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL		
		PERMANENT	TEMPORARY	TOTAL	TOTAL													
																	TOTAL	PARTIAL
PROCESSING PLANTS																		
AMPUTATION/ENUCLEATION																		
ASPHYXIATION/DROWNING	1																	
BURN/SCALD (NOT CHEM)																		
CHEMICAL BURN																		
CONCUSSION (CEREBRAL)																		
CONCUSSION OR BRUISE	2																	
CUT OR PUNCTURE																		
DERMATITIS																		
DISLOCATION																		
DUST IN EYE																		
ELECTRIC SHOCK																		
ELECT. BURN (CONTACT)																		
FRACTURE																		
HEARING IMPAIRMENT																		
HERNIA (NOT DISC)																		
POISONING (SYSTEMIC)																		
RADIATION/ULTRA VIOLET																		
SCRATCH/ABRASION																		
STRAIN/SPRAINS																		
MULTIPLE INJURIES	1																	
OTHER INJURY, NEC																		
UNCLASSIFIED (NO DATA)																		
TOTAL OR AVERAGE	4	21	756	787	791	364	1,155	03	5 35	2 48	163	163	7 85	326				

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

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES		
	FATAL	NFDL				TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT		TEMPORARY	TOTAL NFDL										
		TOTAL	PARTIAL												
TOTAL OR AVERAGE															
ALL MINES AND PLANTS:															
AMPUTATION/ENUCLEATION	-	65	-	-	65	-	-	.05	.05	-	.05	-	17	17	
ASPHYXIATION/DROWNING	15	-	4	-	19	3	01	(*)	(*)	(*)	.02	68	(*)	68	
BURN/SCALD (NOT CHEM.)	1	-	115	-	116	66	(*)	.09	.09	.05	.14	5	(*)	2	
CHEMICAL BURN	-	-	44	-	44	40	-	.03	.03	.03	.06	-	-	(*)	
CONFUSION (CEREBRAL)	-	-	24	-	24	26	-	.02	.02	(*)	.02	-	-	1	
CONCUSSION OR BRUISE	19	-	1,804	-	1,823	393	01	1.37	1.38	30	1.68	87	26	113	
CUT OR PUNCTURE	1	1	886	-	888	1,557	(*)	.67	.67	1.16	1.83	5	10	15	
DERMATITIS	-	-	2	-	2	2	-	(*)	(*)	(*)	(*)	-	(*)	(*)	
DISLOCATION	-	-	51	-	51	9	-	.04	.04	.01	.05	-	2	(*)	
DUST IN EYE	-	-	79	-	79	88	-	.06	.06	.07	.13	-	(*)	(*)	
ELECTRIC SHOCK	4	-	28	-	32	6	(*)	.02	.02	(*)	.03	18	1	19	
ELECT. BURN (CONTACT)	-	-	22	-	22	3	-	.02	.02	(*)	.02	-	(*)	(*)	
FRACTURE	1	1	1,117	-	1,120	400	(*)	.85	.85	30	1.15	5	47	52	
HEARING IMPAIRMENT	-	-	-	-	-	1	-	-	-	(*)	-	-	-	-	
HERNIA (NOT DISC)	-	109	7	-	116	1	-	.09	.09	-	.09	-	4	(*)	
POISONING (SYSTEMIC)	-	-	13	-	13	15	-	.01	.01	.01	.02	-	(*)	1	
RADIATION/ULTRA VIOLET	-	-	96	-	96	25	-	.07	.07	.02	.09	-	1	1	
SCRAATCH/ABRASION	-	-	86	-	86	29	-	.07	.07	.03	.09	-	1	1	
STRAIN/SPRAIN	-	5	5,531	-	5,536	751	-	40	40	57	4.77	91	32	141	
MULTIPLE INJURIES	20	6	781	-	787	228	02	60	60	17	.79	32	123	141	
OTHER INJURY, NEC	-	1	82	-	83	34	-	.06	.06	.03	.08	-	3	3	
UNCLASSIFIED (NO DATA)	-	-	493	-	493	134	-	.37	.37	10	.48	-	14	(*)	
OCCUPATIONAL DISEASES	-	-	2	-	2	2	-	(*)	(*)	-	(*)	-	(*)	(*)	
TOTAL OR AVERAGE	61	1	189	11,267	11,457	3,766	.05	8.70	8.74	2.86	11.60	278	302	580	
OFFICE:															
CONCUSSION OR BRUISE	-	-	2	-	2	1	-	.03	.03	.01	.04	-	1	(*)	
CUT OR PUNCTURE	-	-	2	-	2	6	-	.03	.03	.09	.12	-	(*)	(*)	
DISLOCATION	-	-	1	-	1	-	-	.01	.01	-	.01	-	-	(*)	
DUST IN EYE	-	-	-	-	-	1	-	-	-	.01	.01	-	-	-	
FRACTURE	-	-	3	-	3	1	-	.04	.04	.01	.06	-	5	5	
HERNIA (NOT DISC)	-	1	2	-	2	2	-	.03	.03	.03	.03	-	1	1	
STRAIN/SPRAIN	-	-	12	-	12	6	-	.17	.17	.09	.25	-	6	6	
MULTIPLE INJURIES	-	-	2	-	2	1	-	.03	.03	.01	.04	-	1	1	
UNCLASSIFIED (NO DATA)	-	-	1	-	1	-	-	.01	.01	-	.01	-	1	1	
TOTAL OR AVERAGE	-	1	24	25	25	16	-	.36	.36	.23	.59	-	15	15	

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

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES					
	FATAL	PERMANENT			TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		TOTAL	PARTIAL	TOTAL													
GRAND TOTAL OR AVERAGE	-	-	65	-	65	65	-	65	-	-	.05	-	.05	-	17	17	
AMPUTATION/ENUCLEATION	15	-	-	4	4	19	66	22	.01	.08	.01	.05	.02	55	65	65	
ASPHYXIATION/DROWNING	1	-	-	115	115	116	40	182	(*)	(*)	(*)	(*)	(*)	4	2	6	
BURN/SCALD (NOT CHEM.)	-	-	-	44	44	44	2	84	-	-	.03	.03	.06	-	(*)	(*)	
CHEMICAL BURN	-	-	-	24	24	24	2	26	-	-	.02	.02	.02	-	(*)	(*)	
CONCUSSION (CEREBRAL)	19	-	-	1,806	1,806	1,825	394	2,219	.01	1.30	1.32	.28	1.60	82	25	107	
CONCUSSION OR BRUISE	-	-	-	1,888	1,889	1,890	1,533	2,423	(*)	.64	.64	1.11	1.75	4	10	14	
CUT OR PUNCTURE	1	-	1	89	90	89	2	91	-	-	(*)	(*)	(*)	-	(*)	(*)	
DERMATITIS	-	-	-	52	52	52	9	61	-	-	.04	.04	.04	-	2	2	
DISLOCATION	-	-	-	79	79	79	89	158	-	-	.06	.06	.12	-	(*)	(*)	
DUST IN EYE	-	-	-	28	28	32	6	38	(*)	.02	.02	(*)	.03	17	1	18	
ELECTRIC SHOCK	4	-	-	22	22	22	3	25	-	-	.02	.02	(*)	-	(*)	(*)	
ELECT. BURN (CONTACT)	-	-	-	1,120	1,123	1,124	401	1,525	(*)	.81	.81	.29	1.10	4	45	49	
FRACTURE	1	1	2	-	-	-	1	1	-	-	-	(*)	(*)	-	-	-	
HEARING IMPAIRMENT	-	-	110	8	118	118	-	118	-	.09	.09	-	.09	-	4	4	
HERNIA (NOT DISC)	-	-	-	13	13	13	15	28	-	-	.01	.01	.02	-	(*)	(*)	
POISONING (SYSTEMIC)	-	-	-	96	96	96	25	121	-	-	.07	.07	.09	-	1	1	
RADIATION/ULTRA VIOLET	-	-	-	86	86	86	39	125	-	-	.06	.06	.03	-	1	1	
SCRATCH/ABRASION	-	-	-	5,543	5,548	5,548	757	6,305	-	-	4.00	.55	4.55	-	134	134	
STRAIN/SPRAIN	-	-	5	783	789	809	229	1,038	.01	.57	.58	.17	.75	87	30	117	
MULTIPLE INJURIES	20	-	6	82	83	83	34	117	-	.06	.06	.02	.08	-	3	3	
OTHER INJURY, NEC	-	-	1	494	494	494	134	628	-	.36	.36	.10	.45	-	13	13	
UNCLASSIFIED (NO DATA)	-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)	
OCCUPATIONAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	61	1	190	11,291	11,482	11,543	3,782	15,325	.04	8.28	8.32	2.73	11.05	264	287	551	

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

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST HOLIDAYS					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				
UNDERGROUND MINES:															
AMPUTATION/ENGULFMENT--	11	48	33	48	48	2	48	66,000	20,820	-	23	434	-	434	434
ASPHYXIATION/CHOKING--	-	-	43	43	14	22	16	-	-	-	469	-	8	4,716	4,716
BURN/SCALD (NOT CHEM.)--	-	-	28	28	43	17	65	-	-	-	128	-	11	5	5
CHEMICAL BURN--	-	-	15	15	28	2	17	-	-	-	624	-	42	42	42
CONCUSSION (CEREBRAL)--	14	-	1,451	1,451	1,455	252	1,717	84,000	-	-	27,989	-	19	76	76
CONTUSION OR BRUISE--	-	-	660	660	662	882	1,544	6,000	-	-	9,242	-	14	24	24
CUT OR PUNCTURE--	1	1	33	33	1	4	2	-	720	-	1	720	-	1	1
DERMATITIS--	-	-	48	48	33	32	37	-	-	-	1,748	-	53	53	53
DISLOCATION--	-	-	20	20	48	2	80	-	-	-	118	-	2	2	2
DUST IN EYE--	2	-	48	48	22	2	24	12,000	-	-	814	-	41	582	582
ELECTRIC SHOCK--	-	-	15	15	15	3	18	-	-	-	143	-	10	10	10
ELECT. BURN (CONTACT)--	-	-	819	821	821	256	1,077	-	4,800	-	38,133	2,400	47	52	52
FRACTURE--	-	68	6	74	74	4	5	-	3,400	-	3,589	50	33	49	49
HEMIA (NOT DISC)--	-	-	1	1	1	4	5	-	-	-	2	-	2	2	2
POISONING (SYSTEMIC)--	-	-	68	68	68	14	82	-	-	-	1,122	-	16	16	16
RADIATION/ULTRA VIOLET--	-	-	63	63	63	22	85	-	-	-	736	-	12	12	12
SCALD/ABRASION--	-	-	4,088	4,102	4,102	401	4,503	-	1,600	-	138,821	400	34	34	34
STRAIN/SPRAIN--	-	-	552	558	572	118	690	84,000	12,330	-	32,763	2,055	37	204	204
MULTIPLE INJURIES--	14	6	51	57	52	15	67	-	1,800	-	3,760	1,800	38	72	72
OTHER INJURY, NEC--	-	-	373	373	373	80	453	-	-	-	14,223	-	28	38	38
UNCLASSIFIED (NO DATA)--	-	-	1	1	1	-	1	-	-	-	28	-	28	28	28
OCCUPATIONAL DISEASES--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE--	42	130	8,349	8,479	8,521	2,129	10,650	252,000	45,470	-	256,356	350	31	553,826	55
SURFACE AT UNDERGROUND:															
AMPUTATION/ENGULFMENT--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASPHYXIATION/CHOKING--	1	-	1	1	1	1	1	6,000	100	-	3	100	3	100	100
BURN/SCALD (NOT CHEM.)--	-	-	5	5	5	5	10	-	-	-	51	-	10	3,002	3,002
CHEMICAL BURN--	-	-	5	5	5	2	7	-	-	-	15	-	3	15	15
CONCUSSION (CEREBRAL)--	-	-	53	53	53	19	72	-	-	-	903	-	15	15	15
CONTUSION OR BRUISE--	-	-	43	43	43	95	138	-	-	-	504	-	17	17	17
CUT OR PUNCTURE--	-	-	4	4	4	8	12	-	-	-	168	-	34	34	34
DISLOCATION--	-	-	2	2	2	1	3	-	-	-	6	-	2	2	2
DUST IN EYE--	-	-	2	2	2	26	88	-	-	-	75	-	20	20	20
ELECTRIC SHOCK--	-	-	62	62	62	7	75	-	350	-	2,390	-	25	25	25
ELECT. BURN (CONTACT)--	-	7	2	2	2	2	3	-	-	-	2	50	39	50	50
FRACTURE--	-	-	2	2	2	3	4	-	-	-	2	-	1	1	1
HEMIA (NOT DISC)--	-	-	9	9	9	3	12	-	-	-	150	-	17	17	17
POISONING (SYSTEMIC)--	-	-	3	3	3	1	4	-	-	-	3	-	1	1	1
RADIATION/ULTRA VIOLET--	-	-	276	276	276	35	311	-	1,800	-	9,313	1,800	34	40	40
SCALD/ABRASION--	-	-	32	32	32	10	43	6,000	-	-	1,124	-	35	216	216
STRAIN/SPRAIN--	1	-	3	3	3	2	5	-	-	-	107	-	36	36	36
MULTIPLE INJURIES--	-	-	26	26	26	9	35	-	-	-	1,052	-	40	40	40
OTHER INJURY, NEC--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE--	2	9	534	543	545	219	764	12,000	2,250	-	15,921	250	30	30,171	55

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

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL
		TOTAL	PERMANENT	PARTIAL				TOTAL	TEMPORARY	TOTAL				
TOTAL OR AVERAGE, UG:														
AMPUTATION/ENUCLEATION	12	49	49	49	49	49	3	72,000	20,920	26	20,920	427	6	427
ASPHYXIATION/CHOKING	-	-	4	4	16	19	27	-	-	520	-	-	11	11
BURN/SCALD (NOT CHEM.)	-	-	48	48	48	75	19	-	-	143	-	-	4	4
CHEMICAL BURN	-	-	33	33	33	52	2	-	-	639	-	-	40	40
CONCUSSION (CEREBRAL)	-	-	16	16	16	18	2	84,000	-	28,892	-	-	19	19
CONFUSION OR BRUISE	14	1,504	1,504	1,504	1,518	1,789	271	6,000	-	9,746	-	720	14	23
CUT OR PUNCTURE	1	1	703	704	705	1,682	577	-	-	1	-	-	1	1
DERMATITIS	-	-	1	1	1	2	1	-	-	1,916	-	-	50	50
DISLOCATION	-	-	38	38	38	42	4	-	-	124	-	-	2	2
DUST IN EYE	-	-	52	52	52	92	40	12,000	-	854	-	-	36	36
ELECTRIC SHOCK	2	22	22	22	24	27	3	-	-	218	-	-	12	12
ELECT. BURN (CONTACT)	-	2	18	18	18	21	3	-	4,800	45,323	-	2,400	46	51
FRACTURE	-	75	881	883	883	1,155	282	-	3,750	3,949	-	50	33	49
HEMIA (NOT DISC)	-	-	6	6	6	8	6	-	-	4	-	-	1	1
POISONING (SYSTEMIC)	-	-	3	3	3	9	6	-	-	1,272	-	-	17	17
POISONING (LOCAL)	-	-	77	77	77	94	23	-	-	739	-	-	11	11
RADIATION/ULTRA VIOLET	-	-	56	56	56	89	6	-	-	147,534	-	680	34	34
SCALD/ABRASION	-	5	4,373	4,378	4,378	4,814	436	50,000	3,400	33,887	-	2,055	37	205
STRAIN/SPRAIN	15	6	594	594	594	732	17	-	1,800	3,667	-	1,800	38	70
MULTIPLE INJURIES	-	1	34	35	35	48	89	-	-	15,275	-	-	28	28
OTHER INJURY, NEC	-	-	399	399	399	488	-	-	-	28	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	1	1	1	1	-	-	-	-	-	-	-	-
OCCUPATIONAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	44	139	8,883	9,022	9,065	11,414	2,348	264,000	47,720	319,957	343	85	31	64
SURFACE MINES:														
STRIP:														
AMPUTATION/ENUCLEATION	-	13	13	13	13	13	-	12,000	1,785	-	1,785	137	-	137
ASPHYXIATION/CHOKING	2	-	45	45	46	73	27	6,000	-	-	-	-	28	5,000
BURN/SCALD (NOT CHEM.)	1	-	6	6	6	13	13	-	-	1,272	-	-	5	5
CHEMICAL BURN	-	-	6	6	6	6	6	-	-	37	-	-	6	6
CONCUSSION (CEREBRAL)	-	-	188	188	191	287	96	18,000	-	3,179	-	-	17	111
CONFUSION OR BRUISE	3	-	135	135	135	500	385	-	-	2,152	-	-	16	16
CUT OR PUNCTURE	-	-	1	1	1	1	1	-	-	-	-	-	-	-
DERMATITIS	-	-	11	11	11	15	4	-	-	367	-	-	33	33
DISLOCATION	-	-	20	20	20	61	41	-	-	33	-	-	2	2
DUST IN EYE	-	-	2	2	2	5	5	-	-	44	-	-	22	3,011
ELECTRIC SHOCK	2	1	165	166	167	236	69	12,000	6,000	7,610	-	50	46	117
FRACTURE	1	19	7	19	19	19	9	-	950	34	-	5	7	50
HEMIA (NOT DISC)	-	-	8	8	8	14	6	-	-	59	-	-	7	7
POISONING (SYSTEMIC)	-	-	11	11	11	20	9	-	-	30	-	-	3	3
RADIATION/ULTRA VIOLET	-	-	782	782	782	1,033	251	-	-	22,414	-	-	28	28
SCALD/ABRASION	-	-	135	135	140	217	77	30,000	-	4,854	-	-	21	249
STRAIN/SPRAIN	5	-	26	26	26	37	11	-	-	558	-	-	36	21
MULTIPLE INJURIES	-	-	68	68	68	101	33	-	-	2,432	-	-	28	36
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	14	32	1,615	1,648	1,662	2,655	1,033	84,000	6,000	53,842	85	85	28	83

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

WORK LOCATION 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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL	
		PERMANENT	TEMPORARY	TOTAL NFIL				TOTAL	PARTIAL	TOTAL NFIL					
ALGER:															
CONTUSION OR BRUISE	-	-	-	5	5	1	6	-	-	165	165	-	33	165	33
CUT OR PUNCTURE	-	-	-	1	1	7	8	-	-	11	11	-	11	11	11
FRACTURE	-	-	-	6	6	4	10	-	-	151	151	-	25	151	25
SCALD/ABRASION	-	-	-	5	5	1	1	-	-	125	125	-	25	125	25
STRAIN/SPRAIN	-	-	-	2	2	2	6	-	-	214	214	-	107	214	107
MULTIPLE INJURIES	-	-	-	1	1	1	2	-	-	4	4	-	4	4	4
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	670	670	-	34	670	34
TOTAL OR AVERAGE	-	-	-	20	20	15	35	-	-	-	-	-	-	-	-
QUIN BANK:															
BURN/SCALD (NOT CHEM.)	-	-	-	1	1	1	1	-	-	7	7	-	7	7	7
CONTUSION OR BRUISE	-	-	-	1	1	2	3	-	-	5	5	-	5	5	5
CUT OR PUNCTURE	-	-	-	1	1	2	2	-	-	3	3	-	3	3	3
DUST IN EYE	-	-	-	1	1	1	1	-	-	73	73	-	24	73	24
FRACTURE	-	-	-	3	3	3	9	-	-	254	254	-	36	254	36
STRAIN/SPRAIN	-	-	-	7	7	2	2	-	-	27	27	-	14	27	14
UNCLASSIFIED (NO DATA)	-	-	-	2	2	-	-	-	-	369	369	-	25	369	25
TOTAL OR AVERAGE	-	-	-	15	15	5	21	-	-	-	-	-	-	-	-
DREDEGE:															
CUT OR PUNCTURE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE SURFACE:															
AMPUTATION/EXCERATION	-	13	-	13	13	-	13	-	1,785	1,785	1,785	137	-	1,785	137
ASPHYXIATION/DROWNING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BURN/SCALD (NOT CHEM.)	2	46	-	46	47	2	74	-	-	1,279	1,279	-	28	1,279	6,000
CHEMICAL BURN	1	6	-	6	6	13	19	-	-	32	32	-	5	32	5
CONCUSSION (CEREBRAL)	-	6	-	6	6	6	6	-	-	37	37	-	6	37	6
CONTUSION OR BRUISE	3	194	-	197	197	99	296	-	-	3,349	3,349	-	108	3,349	108
CUT OR PUNCTURE	-	136	-	136	136	305	531	-	-	2,163	2,163	-	16	2,163	16
DERMATITIS	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
DISLOCATION	-	-	-	11	11	4	15	-	-	367	367	-	33	367	33
DUST IN EYE	-	-	-	21	21	41	62	-	-	36	36	-	2	36	2
ELECTRIC SHOCK	2	2	-	2	4	1	3	-	-	44	44	-	22	44	3,011
FRACTURE	1	175	-	175	176	73	249	-	-	7,834	7,834	-	45	7,834	113
HEPATIC (NOT DISC)	-	19	-	19	19	19	19	-	-	350	350	50	50	350	50
POISONING (SYSTEMIC)	-	-	-	-	-	15	15	-	-	34	34	-	7	34	7
RADIATION/ULTRA VIOLET	-	-	-	8	8	14	14	-	-	55	55	-	7	55	7
SCALD/ABRASION	-	-	-	11	11	21	21	-	-	30	30	-	3	30	3
STRAIN/SPRAIN	-	-	-	794	794	254	1,048	-	-	22,793	22,793	-	28	22,793	28
MULTIPLE INJURIES	5	137	-	137	142	77	219	-	-	5,068	5,068	-	247	5,068	247
OTHER INJURY NEC	-	26	-	26	26	11	37	-	-	338	338	-	35	338	35
UNCLASSIFIED (NO DATA)	-	-	-	71	71	34	105	-	-	2,463	2,463	-	25	2,463	25
TOTAL OR AVERAGE	14	1,583	32	1,615	1,657	1,055	2,752	-	-	46,146	46,146	85	28	46,146	82

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

WORK LOCATION 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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL		
		PERMANENT	TEMPORARY	TOTAL				TOTAL	PERMANENT PARTIAL					TEMPORARY	TOTAL
TOTAL OR AVERAGE MINING:															
ASPHALTATION/PAVING	-	62	-	62	62	62	-	22,705	-	26	365	-	365		
BURN/SCALD (NOT CHEM.)	14	-	4	4	18	21	84,000	-	-	-	-	-	4,698		
CUT OR PUNCTURE	1	-	94	94	95	149	6,000	-	-	1,799	-	19	4		
CONCUSSION OR BRUISE	-	-	30	30	30	71	-	-	-	175	-	31	78		
DERMATITIS	-	-	22	22	22	24	-	-	-	676	-	19	22		
DISLOCATION	-	-	1,698	1,698	1,715	2,085	102,000	-	-	32,241	720	14	1		
DUST IN EYE	17	-	839	839	841	2,213	6,000	-	-	11,909	-	1	47		
ELECTRIC SHOCK	1	-	1	1	1	3	-	-	-	2,283	-	2	2		
ELECT. BURN (CONTACT)	-	-	49	49	49	57	24,000	-	-	160	-	37	12		
FRACTURE	4	-	73	73	73	154	-	-	-	898	-	46	48		
HEMORRHOID	-	-	24	24	24	32	6,000	-	-	218	2,400	33	4		
POISONING (SYSTEMIC)	1	1	1,055	1,056	1,059	1,414	-	-	-	59,157	50	16	10		
RADIATION/ULTRA VIOLET	-	-	6	6	10	26	-	-	-	4,800	-	10	34		
SCALD/ABRASION	-	-	10	10	10	106	-	-	-	38	-	33	213		
STRAIN/SPRAIN	-	-	85	85	85	110	-	-	-	1,331	-	38	55		
MULTIPLE INJURIES	20	-	5,167	5,172	5,172	5,862	120,000	-	-	173,727	680	37	55		
OTHER INJURY, NEC.	-	-	721	721	747	1,093	-	-	-	38,955	2,055	33	38		
UNCLASSIFIED (NO DATA)	-	-	80	80	81	106	-	-	-	4,425	1,800	28	28		
OCCUPATIONAL DISEASES	-	-	470	470	470	583	-	-	-	17,738	-	30	67		
TOTAL OR AVERAGE	58	171	10,533	10,705	10,763	14,160	348,000	5,000	318,423	374,878	295	30	722,878		
INDEPENDENT SHOPS:															
BURN/SCALD (NOT CHEM.)	-	-	1	1	1	1	-	-	-	29	-	29	29		
CONCUSSION OR BRUISE	-	-	5	5	5	5	-	-	-	49	-	14	14		
CUT OR PUNCTURE	-	-	4	4	4	18	-	-	-	57	-	1	53		
DUST IN EYE	-	-	1	1	1	2	-	-	-	53	-	2	27		
ELECTRIC SHOCK	-	-	1	1	1	3	-	-	-	27	-	41	25		
ELECT. BURN (CONTACT)	-	-	1	1	1	1	-	-	-	979	-	25	87		
FRACTURE	-	-	1	1	1	4	-	-	-	979	-	87	31		
SCALD/ABRASION	-	-	24	24	24	28	-	-	-	222	-	87	1,506		
STRAIN/SPRAIN	-	-	9	9	9	12	-	-	-	87	-	31	31		
MULTIPLE INJURIES	-	-	1	1	1	1	-	-	-	87	-	31	31		
UNCLASSIFIED (NO DATA)	-	-	48	48	48	80	-	-	-	1,506	-	31	31		
OCCUPATIONAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	-	-	48	48	48	80	-	-	-	1,506	-	31	31		

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

WORK LOCATION AND NATURE OF INJURY	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	
		TOTAL	TEMPO- RARY	TOTAL NFDL					TOTAL	PERMA- NENT	PARTIAL					TOTAL NFDL
PROCESSING PLANTS:																
AMPUTATION/ENCAFEATION	1	5	5	5	5	1	5	6,000	620	-	-	620	124	-	124	124
ASPHYXIATION/CHOKING	-	-	25	25	40	15	40	-	-	-	-	-	-	16	-	6,000
BURN/SCALD (NOT CHEM.)	-	-	5	5	14	9	14	-	-	-	-	-	-	7	-	15
CHEMICAL BURN	-	-	2	2	2	32	2	-	-	-	-	-	-	3	-	7
CONCUSSION (CEREBRAL)	2	123	123	123	156	156	212	12,000	2,713	-	-	2,713	-	22	-	115
CONTUSION OR BRUISE	-	56	56	56	212	156	212	-	802	-	-	802	-	14	-	14
CUT OR PUNCTURE	-	1	1	1	1	1	1	-	2	-	-	2	-	2	-	2
DERMATITIS	-	4	4	4	5	11	5	-	74	-	-	74	-	18	-	18
DISLOCATION	-	7	7	7	18	2	18	-	13	-	-	13	-	2	-	2
DUST IN EYE	-	3	3	3	3	2	3	-	83	-	-	83	-	2	-	2
ELECTRIC SHOCK	-	78	78	78	123	45	123	-	98	-	-	98	-	28	-	28
ELECT. BURN (CONTACT)	-	-	-	-	-	-	-	-	3,840	-	-	3,840	-	33	-	33
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	49
HEARING IMPAIRMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
HERNIA (NOT DISC)	-	20	1	21	1	1	1	-	1,000	-	-	1,000	50	-	50	-
POISONING (SYSTEMIC)	-	3	3	3	4	2	4	-	6	-	-	6	-	8	-	8
RADIATION/ALTRA VIOLET	-	11	11	11	13	6	13	-	84	-	-	84	-	10	-	10
SCALD/ABRASION	-	9	9	9	15	2	15	-	53	-	-	53	-	23	-	23
STRAIN/SPRAIN	1	415	415	415	480	83	480	6,000	13,661	-	-	13,661	-	33	-	33
MULTIPLE INJURIES	-	61	61	61	86	24	86	-	3,569	-	-	3,569	-	59	-	59
OTHER INJURY, NEC	-	41	41	41	56	13	56	-	1,239	-	-	1,239	-	16	-	16
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	30
TOTAL OR AVERAGE	4	881	856	885	1,276	391	1,276	24,000	1,520	-	-	26,461	65	-	31	59

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

WORK LOCATION AND NATURE 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						
		TOTAL	PARTIAL	TEMPORARY				TOTAL NFDL	TOTAL	PARTIAL					TEMPORARY	TOTAL NFDL				
																	TOTAL	PARTIAL	TOTAL	TOTAL
TOTAL OR AVERAGE	62	1	196	11,437	11,634	11,636	3,826	372,000	6,000	52,075	346,770	404,845	266	30	56					
ALL MINES AND PLANTS:																				
AMPUTATION/EXTREMITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
ASPHYXIATION/CHOKING	15	-	-	-	15	15	-	90,000	-	-	-	-	-	-	348					
BURN/SCALD (NOT CHEM.)	1	-	-	-	1	1	-	6,000	-	-	-	-	-	-	5					
CHEMICAL BURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
CONCUSSION (CEREBRAL)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
CONCUSSION OR BRUISE	19	-	-	-	19	19	-	114,000	-	-	-	-	-	-	28					
CUT OR PUNCTURE	1	-	-	-	1	1	-	6,000	-	-	-	-	-	-	14					
DERMATITIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
DISLOCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
ELECTRIC SHOCK	4	-	-	-	4	4	-	24,000	-	-	-	-	-	-	2					
ELECT. BURN (CONTACT)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
FRACTURE	1	-	-	-	1	1	-	5,000	-	-	-	-	-	-	44					
HEARING IMPAIRMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
HERNIA (NOT DISC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SCALD/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
MULTIPLE INJURIES	21	-	-	-	21	21	-	126,000	-	-	-	-	-	-	10					
OTHER INJURY, NEC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
OCCUPATIONAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
TOTAL OR AVERAGE	62	1	196	11,437	11,634	11,636	3,826	372,000	6,000	52,075	346,770	404,845	266	30	56					
OFFICE:																				
CONCUSSION OR BRUISE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
DISLOCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
HERNIA (NOT DISC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
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 ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL INJURIES	NFDL	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY
		TOTAL	PERMANENT	PARTIAL				TOTAL	TEMPORARY	PARTIAL			
GRAND TOTAL OR AVERAGE	62	11,461	11,659	11,721	15,563*	3,842	372,000	52,125	5,000	-	405,876	255	30
AMPUTATION/EXTREMITY	-	-	-	-	-	-	-	-	-	-	-	-	-
ASPHYXIATION/CHOKING	15	67	67	67	57	3	50,000	23,325	-	-	23,325	348	-
BURN/SCALD (NOT CHEM.)	1	120	121	121	190	65	6,000	-	-	-	8,236	-	-
CHEMICAL BURN	-	44	44	44	41	2	-	-	-	-	209	-	-
CONCUSSION (CEREBRAL)	-	24	24	24	26	2	-	-	-	-	662	-	-
CONCUSSION OR BRUISE	19	1,830	1,830	1,830	2,252	403	114,000	-	-	-	149,070	-	-
CUT OR PUNCTURE	1	901	902	903	2,455	1,552	6,000	720	-	-	19,516	720	-
DERMATITIS	-	2	2	2	4	2	-	-	-	-	3	-	-
DISLOCATION	-	54	54	54	63	6	-	-	-	-	2,376	-	-
DUST IN EYE	-	61	61	61	176	6	-	-	-	-	2,174	-	-
ELECTRIC SHOCK	4	28	28	28	38	3	24,000	-	-	-	1,034	-	-
ELECT. BURN (CONTACT)	-	22	22	22	25	3	-	-	-	-	318	-	-
FRACTURE	1	1,137	1,140	1,141	1,545	404	6,000	4,800	-	-	63,357	2,400	-
HEARING IMPAIRMENT	-	115	123	123	1	1	-	-	-	-	6,003	50	-
HEMIA (NOT DISC.)	-	8	13	13	123	26	-	-	-	-	44	-	-
POISONING (SYSTEMIC)	-	96	96	96	121	16	-	-	-	-	1,415	-	-
RADIATION/ULTRA VIOLET	-	86	86	86	126	40	-	-	-	-	662	-	-
SCALD/ABRASION	-	5	5,623	5,623	6,366	769	-	-	-	-	186,786	680	-
STRAIN/SPRAIN	-	793	799	820	1,053	233	126,000	12,300	-	-	138,783	2,055	-
MULTIPLE INJURIES	21	6	6	6	121	34	-	1,600	-	-	4,518	1,800	-
OTHER INJURY, NEC.	-	512	512	512	651	139	-	-	-	-	19,016	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	2	-	-	-	-	-	115	-	-
OCCUPATIONAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	62	1	197	11,721	15,563*	3,842	372,000	52,125	5,000	-	405,876	255	30

TABLE 11A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1969

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	PARTIAL	TEMPORARY					TOTAL NFDL
			TOTAL	PARTIAL											
UNDERGROUND MINES:															
UNDERGROUND:															
BURN/SCALD (NOT CHEM.)	-	-	5	-	5	1	-	-	-	31	31	-	6	6	
CONTUSION OR BRUISE	-	-	4	-	4	1	-	-	-	32	32	-	8	8	
CUT OR PUNCTURE	-	-	4	-	4	1	-	-	-	208	208	-	64	64	
FRACTURE	-	-	3	-	3	1	-	-	-	71	71	-	24	24	
STRAIN/SPRAIN	-	-	3	-	3	1	-	-	-	9	9	-	9	9	
MULTIPLE INJURIES	-	-	1	-	1	1	-	-	-	72	72	-	10	10	
OTHER INJURY, NEC	-	-	1	-	1	1	-	-	-	50	50	-	10	10	
UNCLASSIFIED (NO DATA)	-	-	5	-	5	6	-	-	-	473	473	-	22	22	
TOTAL OR AVERAGE	-	-	22	-	22	28	-	-	-	473	473	-	22	22	
SURFACE AT UNDERGROUND:															
CUT OR PUNCTURE	-	-	1	-	1	1	-	-	-	28	28	-	28	28	
FRACTURE	-	-	1	-	1	1	-	-	-	6,000	6,000	-	6,000	6,000	
MULTIPLE INJURIES	1	-	1	-	2	3	-	-	-	28	28	-	28	28	
TOTAL OR AVERAGE	1	-	1	-	2	3	-	-	-	28	28	-	28	28	
SURFACE MINES:															
SURFACE:															
BURN/SCALD (NOT CHEM.)	-	-	5	-	5	1	-	-	-	31	31	-	6	6	
CONTUSION OR BRUISE	-	-	4	-	4	2	-	-	-	32	32	-	8	8	
CUT OR PUNCTURE	-	-	4	-	4	1	-	-	-	236	236	-	58	58	
FRACTURE	-	-	4	-	4	1	-	-	-	71	71	-	24	24	
STRAIN/SPRAIN	-	-	3	-	3	3	-	-	-	9	9	-	9	9	
MULTIPLE INJURIES	1	-	1	-	2	1	-	-	-	72	72	-	10	10	
OTHER INJURY, NEC	-	-	1	-	1	1	-	-	-	50	50	-	10	10	
UNCLASSIFIED (NO DATA)	-	-	5	-	5	6	-	-	-	501	501	-	22	22	
TOTAL OR AVERAGE	1	-	23	-	24	31	-	-	-	501	501	-	22	22	
STRIP:															
BURN/SCALD (NOT CHEM.)	-	2	1	-	2	2	-	-	-	360	360	180	47	180	
CONTUSION OR BRUISE	-	-	5	-	5	1	-	-	-	47	47	-	26	47	
CUT OR PUNCTURE	-	-	4	-	4	10	-	-	-	128	128	-	14	128	
DUST IN EYE	-	-	1	-	1	6	-	-	-	54	54	-	1	54	
FRACTURE	-	-	1	-	1	6	-	-	-	135	135	-	27	135	
HEMIA (NOT DISC)	-	-	5	-	5	1	-	-	-	50	50	50	50	50	
POISONING (SYSTEMIC)	-	-	1	-	1	1	-	-	-	1,087	1,087	-	43	1,087	
STRAIN/SPRAIN	-	-	25	-	25	28	-	-	-	39	39	-	13	39	
MULTIPLE INJURIES	-	-	3	-	3	4	-	-	-	5	5	-	5	5	
OTHER INJURY, NEC	-	-	1	-	1	5	-	-	-	164	164	-	41	164	
UNCLASSIFIED (NO DATA)	-	-	4	-	4	1	-	-	-	1,660	1,660	137	34	1,660	
TOTAL OR AVERAGE	-	3	49	-	52	76	-	-	-	410	2,070	137	34	2,070	

TABLE 11A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ANTHRACITE COAL 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	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					PARTIAL	TOTAL
QUARRY:																	
BURN/SCALD (NOT CHEM.)	-	-	1	1	1	-	1	-	-	-	-	-	7	7	7		
DUST IN EYE	-	-	1	1	1	-	1	-	-	-	-	-	3	3	3		
FRACURE	-	-	1	1	1	-	1	-	-	-	-	-	60	60	60		
STRAIN/SPRAIN	-	-	5	5	5	2	7	-	-	-	-	-	211	211	211		
TOTAL OR AVERAGE	-	-	8	8	8	2	10	-	-	-	-	-	281	281	35		
TOTAL OR AVERAGE SURFACE:																	
AMPUTATION/EMBLICATION	-	2	2	2	2	-	2	-	360	-	180	-	27	180	180		
BURN/SCALD (NOT CHEM.)	-	-	5	5	5	5	10	-	-	-	-	-	26	26	26		
CONCUSSION OR BRUISE	-	-	4	4	4	5	9	-	-	-	-	-	14	14	14		
CUT OR PUNCTURE	-	-	4	4	4	7	11	-	-	-	-	-	2	2	2		
DUST IN EYE	-	-	2	2	2	1	3	-	-	-	-	-	32	32	32		
FRACURE	-	-	6	6	6	1	7	-	50	-	50	-	50	50	50		
HERNIA (NOT DISC)	-	1	1	1	1	1	2	-	-	-	-	-	-	-	-		
POISONING (SYSTEMIC)	-	-	1	1	1	1	2	-	-	-	-	-	43	43	43		
STRAIN/SPRAIN	-	-	30	30	30	6	36	-	-	-	-	-	13	13	13		
MULTIPLE INJURIES	-	-	3	3	3	1	4	-	-	-	-	-	5	5	5		
OTHER INJURY, NEC	-	-	1	1	1	1	2	-	-	-	-	-	41	41	41		
UNCLASSIFIED (NO DATA)	-	-	4	4	4	1	5	-	-	-	-	-	34	34	34		
TOTAL OR AVERAGE	-	3	57	60	60	26	86	-	410	2,351	2,351	137	34	2,351	39		
TOTAL OR AVERAGE MINING:																	
AMPUTATION/EMBLICATION	-	2	2	2	2	-	2	-	360	-	180	-	27	180	180		
BURN/SCALD (NOT CHEM.)	-	-	10	10	10	1	11	-	-	-	-	-	16	16	16		
CONCUSSION OR BRUISE	-	-	8	8	8	8	16	-	-	-	-	-	11	11	11		
CUT OR PUNCTURE	-	-	2	2	2	5	7	-	-	-	-	-	2	2	2		
DUST IN EYE	-	-	10	10	10	2	12	-	-	-	-	-	43	43	43		
FRACURE	-	-	1	1	1	1	2	-	50	-	50	-	50	50	50		
HERNIA (NOT DISC)	-	1	1	1	1	1	2	-	-	-	-	-	-	-	-		
POISONING (SYSTEMIC)	-	-	33	33	33	1	34	-	-	-	-	-	41	41	41		
STRAIN/SPRAIN	-	-	4	4	4	2	6	-	-	-	-	-	12	12	12		
MULTIPLE INJURIES	-	-	2	2	2	2	4	-	-	-	-	-	38	38	38		
OTHER INJURY, NEC	-	-	9	9	9	2	11	-	-	-	-	-	24	24	24		
UNCLASSIFIED (NO DATA)	-	-	80	83	84	33	117	-	410	2,852	2,852	137	31	2,852	105		
TOTAL OR AVERAGE	-	3	80	83	84	33	117	-	6,000	8,852	8,852	137	31	8,852	105		

TABLE 11A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT ANTHRACITE COAL 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	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL				TOTAL	TEMPORARY	TOTAL NFDL					
PROCESSING PLANTS:															
BURN/SCALD (NOT CHEM.)	-	-	-	3	3	2	3	-	-	-	34	-	11	11	
CHEMICAL BURN	-	-	-	14	14	3	14	-	-	-	232	-	17	17	
CONTUSION OR BRUISE	-	-	-	5	5	11	5	-	-	-	87	-	17	17	
CUT OR PUNCTURE	-	-	-	2	2	-	2	-	-	-	20	-	10	10	
DISLOCATION	-	-	-	7	7	-	7	-	-	-	568	-	81	81	
DUST IN EYE	-	-	-	4	4	-	4	-	-	-	200	-	50	50	
FRACTURE	-	-	-	42	42	-	42	-	-	-	1,901	-	45	45	
HERNIA (NOT DISC)	-	-	-	6	6	-	6	-	-	-	1,088	-	181	181	
SCRATCH/ABRASION	-	-	-	2	2	-	2	-	-	-	56	-	33	33	
STRAIN/SPRAIN	-	-	-	9	9	-	9	-	-	-	282	-	31	31	
MULTIPLE INJURIES	-	-	-	94	94	-	94	-	-	-	4,478	-	48	48	
OTHER INJURY, NEC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL MINES AND PLANTS:															
AMPUTATION/EMPELATION	-	-	-	2	2	-	2	-	-	-	360	-	180	180	
BURN/SCALD (NOT CHEM.)	-	-	-	5	5	-	5	-	-	-	88	-	18	18	
CHEMICAL BURN	-	-	-	24	24	-	24	-	-	-	391	-	16	16	
CONTUSION OR BRUISE	-	-	-	13	13	-	13	-	-	-	173	-	13	13	
CUT OR PUNCTURE	-	-	-	2	2	-	2	-	-	-	20	-	10	10	
DISLOCATION	-	-	-	17	17	-	17	-	-	-	4	-	2	2	
DUST IN EYE	-	-	-	5	5	-	5	-	-	-	999	-	59	59	
FRACTURE	-	-	-	-	-	-	-	-	-	-	250	-	50	50	
HERNIA (NOT DISC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION	-	-	-	75	75	-	75	-	-	-	3,270	-	44	44	
STRAIN/SPRAIN	-	-	-	10	10	-	10	-	-	-	1,136	-	114	114	
MULTIPLE INJURIES	-	-	-	4	4	-	4	-	-	-	143	-	36	36	
OTHER INJURY, NEC.	-	-	-	18	18	-	18	-	-	-	496	-	28	28	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 11B. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND NATURE OF INJURY	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	TEMPORARY	TOTAL					TOTAL	PARTIAL				
UNDERGROUND MINES:														
UNDERGROUND:														
AMPUTATION/ENUCLEATION--	11	48	3	48	48	66,000	20,820	23	20,820	66,023	434	8	434	434
ASPHYXIATION/CHOKING--	-	-	43	43	43	-	-	469	-	469	-	11	-	4716
BURN/SCALD (NOT CHEM.)--	-	-	28	28	28	-	-	128	-	128	-	5	-	11
CHEMICAL BURN--	-	-	15	15	15	-	-	624	-	624	-	42	-	42
CONCUSSION (CEREBRAL)--	14	1,446	1,446	1,446	1,460	84,000	27,958	27,958	111,958	111,958	720	19	720	77
CONTUSION OR BRUISE--	1	556	556	556	556	6,000	720	9,210	15,930	15,930	-	14	-	24
CUT OR PUNCTURE--	-	-	1	1	1	-	-	1	1	1	-	1	-	1
DERMATITIS--	-	-	33	33	33	-	-	1,748	1,748	1,748	-	53	-	53
DISLOCATION--	-	-	48	48	48	-	-	118	118	118	-	2	-	2
DUST IN EYE--	-	-	20	20	20	12,000	-	814	814	12,814	-	41	-	582
ELECTRIC SHOCK--	2	15	15	15	15	-	-	143	143	143	-	10	-	10
ELECT. BURN (CONTACT)--	-	2	816	816	818	-	4,800	37,925	42,725	42,725	2,400	46	-	52
FRACTURE--	-	68	6	74	74	-	3,400	199	3,599	3,599	50	33	-	49
HERNIA (NOT DISC)--	-	-	1	1	1	-	-	2	2	2	-	2	-	2
POISONING (SYSTEMIC)--	-	-	68	68	68	-	-	1,122	1,122	1,122	-	16	-	16
RADIATION/ULTRA VIOLET--	-	-	53	53	53	-	-	736	736	736	-	12	-	12
SCALD/ABRASION--	-	-	4,095	4,095	4,099	84,000	1,500	138,150	139,750	139,750	400	34	-	34
STRAIN/SPRAIN--	14	6	551	551	557	-	12,330	20,434	32,764	116,754	2,055	37	-	204
MULTIPLE INJURIES--	-	-	50	50	51	-	1,800	1,868	3,688	3,688	1,800	38	-	72
OTHER INJURY, NEC--	-	-	368	368	368	-	-	14,173	14,173	14,173	-	39	-	39
UNCLASSIFIED (NO DATA)--	-	-	1	1	1	-	-	28	28	28	-	28	-	28
OCCUPATIONAL DISEASES--	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE--	42	130	8,327	8,457	8,499	252,000	45,470	255,883	301,353	553,353	350	31	-	65
SURFACE AT UNDERGROUND:														
AMPUTATION/ENUCLEATION--	1	1	1	1	1	6,000	100	3	100	6,003	100	3	-	100
ASPHYXIATION/CHOKING--	-	-	5	5	5	-	-	51	-	51	-	10	-	3,002
BURN/SCALD (NOT CHEM.)--	-	-	5	5	5	-	-	15	-	15	-	3	-	3
CHEMICAL BURN--	-	-	5	5	5	-	-	15	-	15	-	15	-	15
CONCUSSION (CEREBRAL)--	-	-	53	53	53	-	-	903	903	903	-	17	-	17
CONTUSION OR BRUISE--	-	-	43	43	43	-	-	504	504	504	-	12	-	12
CUT OR PUNCTURE--	-	-	5	5	5	-	-	168	168	168	-	34	-	34
DISLOCATION--	-	-	4	4	4	-	-	6	6	6	-	2	-	2
DUST IN EYE--	-	-	2	2	2	-	-	40	40	40	-	20	-	20
ELECTRIC SHOCK--	-	-	3	3	3	-	-	75	75	75	-	26	-	26
ELECT. BURN (CONTACT)--	-	-	61	61	61	-	-	2,362	2,362	2,362	50	39	-	39
FRACTURE--	-	-	7	7	7	-	-	2	2	2	-	1	-	1
HERNIA (NOT DISC)--	-	-	2	2	2	-	-	150	150	150	-	17	-	17
POISONING (SYSTEMIC)--	-	-	9	9	9	-	-	3	3	3	-	1	-	1
RADIATION/ULTRA VIOLET--	-	-	9	9	9	-	-	11,113	11,113	11,113	1,800	34	-	40
SCALD/ABRASION--	-	-	275	275	276	-	1,800	1,124	1,124	1,124	-	35	-	35
STRAIN/SPRAIN--	-	1	32	32	32	-	-	1,107	1,107	1,107	-	36	-	36
MULTIPLE INJURIES--	-	-	3	3	3	-	-	1,052	1,052	1,052	-	40	-	40
OTHER INJURY, NEC--	-	-	26	26	26	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)--	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE--	1	9	533	542	543	6,000	2,250	15,893	18,143	24,143	250	30	-	44

TABLE 11B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT BITUMINOUS COAL 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	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL		
		PERMANENT	TEMPORARY	TOTAL				TOTAL	PARTIAL	TOTAL					PARTIAL	TOTAL
TOTAL OR AVERAGE, U.S.:	43	139	8,860	8,999	9,042	11,383	258,000	47,720	319,495	577,495	343	31	64			
AMPUTATION/ENCLICATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ASPHYXIATION/CHOKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BURN/SCALD (NOT CHEM.)	2	-	-	-	-	11	12,000	-	-	-	130	-	-	130		
BURN/SCALD (CHEM.)	1	-	-	-	-	2	6,000	-	-	-	-	-	-	6,000		
CHEMICAL BURN	-	-	-	-	-	72	-	-	-	-	-	-	-	161		
CONCUSSION (CEREBRAL)	-	-	-	-	-	19	-	-	-	-	-	-	-	5		
CONCUSSION OR BRUISE	3	-	-	-	-	13	-	-	-	-	-	-	-	6		
CUT OR PUNCTURE	-	-	-	-	-	6	-	-	-	-	-	-	-	113		
DERMATITIS	-	-	-	-	-	277	18,000	-	-	-	-	-	-	-		
DISLOCATION	-	-	-	-	-	510	-	-	-	-	-	-	-	33		
DUST IN EYE	-	-	-	-	-	15	-	-	-	-	-	-	-	2		
ELECTRIC SHOCK	2	-	-	-	-	55	12,000	-	-	-	-	-	-	2		
ELECTRIC SHOCK (CONTACT)	1	-	-	-	-	5	6,000	-	-	-	-	-	-	3,011		
FRACTURE	-	-	-	-	-	230	-	-	-	-	-	-	-	50		
HEAVY (NOT DISC)	-	-	-	-	-	18	-	-	-	-	-	-	-	5		
POISONING (SYSTEMIC)	-	-	-	-	-	15	-	-	-	-	-	-	-	7		
RADIATION/ULTRA VIOLET	-	-	-	-	-	14	-	-	-	-	-	-	-	3		
SCALD/ABRASION	-	-	-	-	-	20	-	-	-	-	-	-	-	28		
STRAIN/SPRAIN	-	-	-	-	-	1,004	-	-	-	-	-	-	-	254		
MULTIPLE INJURIES	5	-	-	-	-	213	30,000	-	-	-	-	-	-	22		
MULTIPLE INJURY, NEC	-	-	-	-	-	36	-	-	-	-	-	-	-	35		
OTHER INJURY, NEC	-	-	-	-	-	96	-	-	-	-	-	-	-	-		
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
OCCUPATIONAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	43	139	8,860	8,999	9,042	11,383	258,000	47,720	319,495	577,495	343	31	64			
SURFACE MINES:																
STRIP:																
AMPUTATION/ENCLICATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ASPHYXIATION/CHOKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BURN/SCALD (NOT CHEM.)	2	-	-	-	-	11	12,000	-	-	-	130	-	-	130		
BURN/SCALD (CHEM.)	1	-	-	-	-	2	6,000	-	-	-	-	-	-	6,000		
CHEMICAL BURN	-	-	-	-	-	72	-	-	-	-	-	-	-	161		
CONCUSSION (CEREBRAL)	-	-	-	-	-	19	-	-	-	-	-	-	-	5		
CONCUSSION OR BRUISE	3	-	-	-	-	13	-	-	-	-	-	-	-	6		
CUT OR PUNCTURE	-	-	-	-	-	6	-	-	-	-	-	-	-	113		
DERMATITIS	-	-	-	-	-	277	18,000	-	-	-	-	-	-	-		
DISLOCATION	-	-	-	-	-	510	-	-	-	-	-	-	-	33		
DUST IN EYE	-	-	-	-	-	15	-	-	-	-	-	-	-	2		
ELECTRIC SHOCK	2	-	-	-	-	55	12,000	-	-	-	-	-	-	2		
ELECTRIC SHOCK (CONTACT)	1	-	-	-	-	5	6,000	-	-	-	-	-	-	3,011		
FRACTURE	-	-	-	-	-	230	-	-	-	-	-	-	-	50		
HEAVY (NOT DISC)	-	-	-	-	-	18	-	-	-	-	-	-	-	5		
POISONING (SYSTEMIC)	-	-	-	-	-	15	-	-	-	-	-	-	-	7		
RADIATION/ULTRA VIOLET	-	-	-	-	-	14	-	-	-	-	-	-	-	3		
SCALD/ABRASION	-	-	-	-	-	20	-	-	-	-	-	-	-	28		
STRAIN/SPRAIN	-	-	-	-	-	1,004	-	-	-	-	-	-	-	254		
MULTIPLE INJURIES	5	-	-	-	-	213	30,000	-	-	-	-	-	-	22		
MULTIPLE INJURY, NEC	-	-	-	-	-	36	-	-	-	-	-	-	-	35		
OTHER INJURY, NEC	-	-	-	-	-	96	-	-	-	-	-	-	-	-		
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	14	29	1,566	1,596	1,610	2,619	84,000	5,000	2,325	51,772	80	28	84			

SURFACE MINES:
STRIP:

AMPUTATION/AMPUTATION
ASPHALTATION/DRIVING
BURN/SCALD (NOT CHEM.)
BURN/SCALD (CHEM.)
CHEMICAL BURN
CONCUSSION (CEREBRAL)
CONCUSSION OR BRUISE
CUT OR PUNCTURE
DERMATITIS
DISLOCATION
DUST IN EYE
ELECTRIC SHOCK
FRACTURE
HEAVY (NOT DISC)
POISONING (SYSTEMIC)
RADIATION/ULTRA VIOLET
SCALD/ABRASION
STRAIN/SPRAIN
MULTIPLE INJURIES
MULTIPLE INJURY, NEC
UNCLASSIFIED (NO DATA)

TABLE 11B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT BITUMINOUS COAL 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	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						
ALGER:															
CONTUSION OR BRUISE	-	-	5	-	5	1	6	-	-	-	165	-	33	165	33
CUT OR PUNCTURE	-	-	1	-	1	7	8	-	-	-	11	-	11	11	11
FRACTURE	-	-	6	-	6	4	10	-	-	-	151	-	25	151	25
SCRAATCH/ABRASION	-	-	5	-	5	1	6	-	-	-	125	-	25	125	25
STRAIN/SPRAIN	-	-	2	-	2	2	2	-	-	-	214	-	107	214	107
MULTIPLE INJURIES	-	-	1	-	1	1	2	-	-	-	4	-	4	4	4
UNCLASSIFIED (NO DATA)	-	-	-	-	-	15	35	-	-	-	670	-	34	670	34
TOTAL OR AVERAGE	-	-	20	-	20	20	15	-	-	-	670	-	34	670	34
COAL BANK:															
CONTUSION OR BRUISE	-	-	1	-	1	2	3	-	-	-	5	-	5	5	5
CUT OR PUNCTURE	-	-	2	-	2	2	2	-	-	-	13	-	6	13	6
FRACTURE	-	-	2	-	2	2	2	-	-	-	43	-	22	43	22
SCRAATCH/ABRASION	-	-	2	-	2	2	2	-	-	-	27	-	14	27	14
STRAIN/SPRAIN	-	-	7	-	7	4	11	-	-	-	88	-	13	88	13
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DREDE:															
CUT OR PUNCTURE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
OTHER:															
CUT OR PUNCTURE	-	-	11	-	11	2	11	-	-	-	1,425	130	-	1,425	130
DISLOCATION	-	-	44	-	44	27	72	-	-	-	1,225	-	-	1,225	6,000
ELECTRIC SHOCK	-	-	6	-	6	13	19	-	-	-	32	-	28	32	5
FRACTURE	-	-	6	-	6	6	6	-	-	-	37	-	5	37	6
POISONING (SYSTEMIC)	-	-	189	-	189	94	266	-	-	-	3,221	-	17	3,221	11
RADIATION/ULTRA VIOLET	-	-	132	-	132	389	521	-	-	-	2,109	-	16	2,109	16
SCRAATCH/ABRASION	-	-	11	-	11	1	1	-	-	-	367	-	33	367	33
STRAIN/SPRAIN	-	-	19	-	19	4	15	-	-	-	32	-	2	32	2
MULTIPLE INJURIES	-	-	2	-	2	36	55	-	-	-	44	-	2	44	2
OTHER INJURY, NEC	-	-	168	-	168	72	242	-	-	-	7,639	-	22	7,639	3,011
UNCLASSIFIED (NO DATA)	-	-	18	-	18	18	18	-	-	-	900	-	45	900	116
TOTAL OR AVERAGE	-	-	1,593	-	1,593	1,029	2,666	-	-	-	44,205	80	-	44,205	83

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

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY				
	FATAL	NFL			TOTAL FATAL AND NFL	NFL	TOTAL INJURIES	FATAL	PERMANENT		TOTAL FATAL AND NFL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFL	
		TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFL						
										TOTAL					PARTIAL
TOTAL OR AVERAGE MINING:															
AMPUTATION/ENLACATION	14	60	4	4	60	3	50	3	84,000	22,345	-	22,345	372	6	372
ASPHYXIATION/CHOKING	1	93	4	4	93	53	21	53	6,000	-	-	7,745	-	19	4,668
BURN/SCALD (NOT CHEM.)	1	92	39	39	39	32	146	32	-	-	-	1,745	-	4	83
CHEMICAL BURN	17	22	22	22	22	2	24	2	-	-	-	175	-	31	31
CONCUSSION (CEREBRAL)	1	1,688	1,688	1,688	1,705	364	2,069	364	102,000	-	-	576	-	79	79
CONCUSSION OR BRUISE	1	831	1	1	833	1,364	2,197	1,364	6,000	720	-	18,543	720	22	22
CUT OR PUNCTURE	1	1	1	1	1	2	3	2	-	-	-	1	-	1	1
DERMATITIS	1	49	49	49	49	8	57	8	-	-	-	2,283	-	47	47
DISLOCATION	1	71	71	71	71	7	147	7	-	-	-	156	-	2	2
DUST IN EYE	4	24	24	24	28	4	32	4	24,000	-	-	898	-	37	899
ELECTRIC SHOCK	1	18	18	18	18	3	21	3	-	-	-	218	-	12	12
ELECT. BURN (CONTACT)	1	1,045	1	1	1,049	353	1,492	353	6,000	4,800	-	56,726	2,400	46	62
FRACTURE	1	2	2	2	2	-	2	-	-	-	-	4,849	50	45	45
HERNIA (NOT DISC)	1	93	93	93	99	14	99	14	-	-	-	38	-	4	4
POISONING (SYSTEMIC)	1	10	10	10	10	23	108	23	-	-	-	1,331	-	16	16
RADIATION/ULTRA VIOLET	1	85	85	85	85	23	110	23	-	-	-	769	-	10	10
SCALD/ABRASION	1	77	77	77	77	33	110	33	-	-	-	1,331	-	16	16
STRAIN/SPRAIN	19	5,134	5,134	5,134	5,139	694	5,823	694	114,000	3,400	-	172,358	580	34	34
MULTIPLE INJURIES	1	723	723	723	742	203	945	203	-	12,330	-	38,907	2,055	206	206
OTHER INJURY, NEC.	1	76	76	76	79	22	107	22	-	1,800	-	4,348	1,800	33	33
UNCLASSIFIED (NO DATA)	1	461	461	461	461	121	562	121	-	-	-	17,524	-	38	38
OCCUPATIONAL DISEASES	1	1	1	1	1	-	1	-	-	-	-	28	-	28	28
TOTAL OR AVERAGE	57	168	10,453	10,522	10,679	3,370	14,049	3,370	342,000	50,045	-	372,038	298	30	67
INDEPENDENT SHOPS:															
BURN/SCALD (NOT CHEM.)	1	1	1	1	1	-	1	-	-	-	-	29	-	29	29
CONCUSSION OR BRUISE	1	5	5	5	5	18	22	18	-	-	-	49	-	10	10
CUT OR PUNCTURE	1	4	4	4	4	2	3	2	-	-	-	57	-	14	14
DUST IN EYE	1	1	1	1	1	-	1	-	-	-	-	1	-	1	1
ELECTRIC SHOCK	1	1	1	1	1	-	1	-	-	-	-	53	-	53	53
ELECT. BURN (CONTACT)	1	1	1	1	1	-	1	-	-	-	-	2	-	2	2
FRACTURE	1	1	1	1	1	-	1	-	-	-	-	27	-	27	27
SCALD/ABRASION	1	1	1	1	1	-	1	-	-	-	-	979	-	41	41
STRAIN/SPRAIN	1	24	24	24	24	4	28	4	-	-	-	222	-	25	25
MULTIPLE INJURIES	1	9	9	9	9	1	12	1	-	-	-	87	-	87	87
UNCLASSIFIED (NO DATA)	1	1	1	1	1	-	1	-	-	-	-	1,506	-	31	31
OCCUPATIONAL DISEASES	1	48	48	48	48	32	80	32	-	-	-	87	-	87	87
TOTAL OR AVERAGE	1	168	10,453	10,522	10,679	3,370	14,049	3,370	342,000	50,045	-	372,038	298	30	67

TABLE 11B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT BITUMINOUS COAL 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	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					
PROCESSING PLANTS:															
AMPUTATION/ENUCLEATION	1	5	-	5	5	5	5,000	-	620	-	620	620	124	124	124
ASPHYXIATION/CHOKING	1	22	-	22	22	35	-	-	-	-	-	376	-	-	17
BURN/SCALD (NOT CHEM.)	1	5	-	5	5	8	-	-	-	-	-	34	-	-	7
CHEMICAL BURN	1	2	-	2	2	2	-	-	-	-	-	6	-	-	3
CONCUSSION (CEREBRAL)	2	111	-	113	113	142	12,000	-	-	-	-	2,481	-	-	22
CONCUSSION OR BLOW	1	51	-	51	51	196	-	-	-	-	-	715	-	-	14
CUT OR PUNCTURE	1	1	-	1	1	1	-	-	-	-	-	2	-	-	2
DERMATITIS	1	2	-	2	2	3	-	-	-	-	-	54	-	-	27
DISLOCATION	1	7	-	7	7	17	-	-	-	-	-	13	-	-	2
DUST IN EYE	1	3	-	3	3	5	-	-	-	-	-	83	-	-	28
ELECTRIC SHOCK	1	3	-	3	3	3	-	-	-	-	-	98	-	-	33
ELECT. BURN (CONTACT)	1	71	-	71	71	115	-	-	-	-	-	3,272	-	-	46
FRACTURE	1	16	-	17	17	1	-	-	-	-	-	821	-	-	48
HEARING IMPAIRMENT	1	1	-	1	1	1	-	-	-	-	-	6	-	-	2
HEMIA (NOT DISC)	1	3	-	3	3	4	-	-	-	-	-	84	-	-	8
POISONING (SYSTEMIC)	1	11	-	11	11	13	-	-	-	-	-	93	-	-	10
RADIATION/ULTRA VIOLET	1	9	-	9	9	14	-	-	-	-	-	53	-	-	32
SCALD/ABRASION	1	373	-	373	373	435	-	-	-	-	-	11,760	-	-	32
STRAIN/SPRAIN	1	55	-	55	55	78	6,000	-	-	-	-	2,481	-	-	45
MULTIPLE INJURIES	1	4	-	4	4	10	-	-	-	-	-	27	-	-	7
OTHER INJURY, NEC	1	32	-	32	32	44	-	-	-	-	-	957	-	-	30
UNCLASSIFIED (NO DATA)	1	786	-	787	791	1,155	24,000	-	-	-	-	22,563	-	-	29
TOTAL OR AVERAGE	4	21	-	787	791	364	-	-	1,420	-	23,983	-	68	-	61

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

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	PERMANENT		TEMPORARY	TOTAL NFIDL	TOTAL FATAL AND NFIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIDL
		TOTAL	PARTIAL	TOTAL											
TOTAL OR AVERAGE	61	1	189	11,267	11,457	15,284	3,766	366,000	51,465	5,000	340,050	272	30	66	
ALL MINES AND PLANTS:															
AMPUTATION/ENGULFMENT															
ASPHYLATION/CRANING															
BURN/SCALD (NOT CHEM.)															
CHEMICAL BURN															
CONCUSSION (CEPHALIC)															
CONCUSSION OR BRUISE															
CUT OR PUNCTURE															
DERMATITIS															
DISLOCATION															
DUST IN EYE															
ELECTRIC SHOCK															
ELECT. BURN (CONTACT)															
FRACTURE															
HEARING IMPAIRMENT															
HERNIA (NOT DISC)															
POISONING (SYSTEMIC)															
RADIATION/ULTRA VIOLET															
SCALD/ABRASION															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
OTHER INJURY, NEC.															
UNCLASSIFIED (NO DATA)															
OCCUPATIONAL DISEASES															
TOTAL OR AVERAGE	61	1	189	11,267	11,457	15,284	3,766	366,000	51,465	5,000	340,050	272	30	66	
OFFICE:															
CONCUSSION OR BRUISE															
CUT OR PUNCTURE															
DISLOCATION															
DUST IN EYE															
FRACTURE															
HERNIA (NOT DISC)															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE															

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

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL INJURIES	NOL	TOTAL FATAL AND NFDL	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPORARY	TOTAL					TOTAL	PARTIAL				
GRAND TOTAL OR AVERAGE	61	150	11,291	11,482	15,325	3,782	11,543	366,000	6,000	51,515	397,546	271	30	397,546
AMPUTATION/ENCLAVATION	15	65	4	65	65	3	65	90,000	-	22,965	22,965	353	-	353
ASPHYXIATION/ASPHYXIATION	-	-	-	-	22	-	22	6,000	-	-	6,000	-	-	-
BURN/SCALD (NOT CHEM.)	-	-	-	-	182	66	248	-	-	-	-	-	-	-
CHEMICAL BURN	-	-	-	-	84	40	124	-	-	-	-	-	-	-
CONCUSSION (CEREBRAL)	-	-	-	-	26	2	28	-	-	-	-	-	-	-
CONTUSION OR BRUISE	19	1,806	24	1,830	2,219	394	2,613	114,000	-	-	114,000	-	-	-
CUT OR PUNCTURE	1	1,869	2	1,871	2,423	1,533	3,956	6,000	-	-	6,000	-	-	-
DERMATITIS	-	2	-	2	4	-	4	-	-	-	-	-	-	-
DISLOCATION	-	52	79	131	158	89	247	-	-	-	-	-	-	-
DUST IN EYE	-	28	22	50	38	5	43	24,000	-	-	24,000	-	-	-
ELECTRIC SHOCK	4	22	22	44	25	3	28	6,000	-	-	6,000	-	-	-
ELECT. BURN (CONTACT)	-	1	-	1	1,525	491	2,016	-	-	-	-	-	-	-
FRACTURE	-	2	-	2	1	-	1	-	-	-	-	-	-	-
HEARING IMPAIRMENT	-	110	13	123	118	15	133	-	-	-	-	-	-	-
HEPATIC (NOT DISC)	-	-	-	-	1	-	1	-	-	-	-	-	-	-
POISONING (SYSTEMIC)	-	-	-	-	26	15	41	-	-	-	-	-	-	-
POISONING (LOCAL)	-	-	-	-	124	26	150	-	-	-	-	-	-	-
RADIATION/ULTRA VIOLET	-	-	-	-	196	75	271	-	-	-	-	-	-	-
SCALDS/ABRASION	-	-	-	-	6,005	225	6,230	120,000	-	-	120,000	-	-	-
STRAIN/SPRAIN	-	5,543	86	5,629	6,305	759	7,064	-	-	-	-	-	-	-
MULTIPLE INJURIES	20	783	83	866	1,117	34	1,151	-	-	-	-	-	-	-
OTHER INJURY, NEC	-	454	2	456	508	134	642	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	2	-	2	-	-	-	-	-	-	-
OCCUPATIONAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	61	150	11,291	11,482	15,325	3,782	11,543	366,000	6,000	51,515	397,546	271	30	397,546

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ALL COAL 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	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					
EAR: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- HEARING IMPAIRMENT----- SCALD/ABRASION----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	9 2 50 1 2 1 5 6 77	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	26 11 325 2 2 3 9 377	6 11 17 2 2 2 4 13	5 11 17 2 2 2 4 13			
EYE: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DERMATITIS----- DUST IN EYE----- RADIATION/ULTRA VIOLET----- SCALD/ABRASION----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	15 59 13 218 1 176 49 78 10 10 7 636	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	18 112 278 699 174 75 118 7 1,871 46 3,402	3 4 35 9 2 2 3 2 24 8 5	3 4 35 9 2 2 3 2 24 8 5			
FACE: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACURE----- SCALD/ABRASION----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	5 31 26 11 1 3 52	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	21 14 264 1 36 336	7 3 24 1 36 16	7 3 24 1 36 16		
FOUR/TEETH/TONGUE: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACURE----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	2 3 70 11 13 7 165	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	21 14 264 1 36 336	7 3 24 1 36 16	7 3 24 1 36 16		

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ALL COAL OPERATIONS IN THE UNITED STATES, 1995 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	MIDL			TOTAL FATAL AND MIDL	TOTAL INJURIES	MIDL	FATAL	MIDL			TOTAL FATAL AND MIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MIDL
		PERMANENT	TEMPO- RARY	TOTAL MIDL					PERMANENT		TOTAL MIDL				
									TOTAL	PARTIAL					
NOSE: CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE MULTIPLE INJURIES OTHER INJURY, NEC TOTAL OR AVERAGE	- - - - - -	- 6 11 9 2 28	- 6 11 9 2 28	- 6 11 9 2 28	4 29 21 13 2 69	4 23 10 4 - 41	- - - - - -	- - - - - -	- - - - - -	- - - - - -	43 134 218 36 431	- - - - - -	7 12 24 18 15	7 12 24 18 15	
SCALP: CUT OR PUNCTURE MULTIPLE INJURIES TOTAL OR AVERAGE	- - - -	- 6 - 6	- 6 - 6	- 6 - 6	15 2 - 18	10 2 12 -	- - - -	- - - -	- - - -	- - - -	51 - 51	- - -	8 - 8	8 - 8	
SKULL: FRACTURE TOTAL OR AVERAGE	1 1	6 6	6 6	7 7	7 7	- -	6,000 6,000	- -	- -	- -	551 551	- -	92 92	92 92	
FACE, NEC: BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE ELECT. BURN (CONTACT) FRACTURE RADIATION/ULTRA VIOLET SCALD/ABRASION MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - - - -	11 1 10 28 1 11 2 1 10 4 79	11 1 10 28 1 11 2 1 10 4 79	11 1 10 28 1 11 2 1 10 4 79	13 4 12 101 1 13 2 1 15 1 8 171	2 3 2 73 2 2 - 5 1 4 92	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - -	62 5 142 175 18 363 6 56 348 5 1,180	- - - - - - - - - - -	6 5 14 18 33 3 56 35 1 15	6 5 14 18 33 3 56 35 1 15	
HEAD, NEC: BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONTUSION (CEREBRAL) CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE RADIATION/ULTRA VIOLET SCALD/ABRASION MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - 1 - - - 7 - - 8	1 24 31 79 4 3 2 25 2 15 187	1 24 31 79 4 3 2 25 2 15 187	1 24 31 79 4 3 2 25 2 15 195	3 25 42 224 4 3 3 47 2 23 378	2 2 10 145 - - 1 15 7 183	- - - 5,000 - - - 42,000 - - - 48,000	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	3 - 682 6,314 622 458 38 2 515 33 258 2,925	- - - - - - - - - -	3 28 10 8 114 13 1 21 16 16 16	3 28 10 8 114 13 1 21 16 16 16	

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

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					TOTAL FATAL AND NFIL	NFIL	TOTAL INJURIES	FATAL	LOST HOURS			AVERAGE SEVERITY									
	FATAL	NFIL			TOTAL FATAL AND NFIL					NFIL	TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY						
		TOTAL	PERMANENT	PARTIAL													TOTAL	TEMPORARY	TOTAL			
																				TOTAL	PARTIAL	TOTAL
NECK:																						
CONTUSION OR BRUISE	-	-	26	3	29	4	-	30	6,000	-	542	-	21	542								
CUT OR PUNCTURE	1	-	4	6	10	11	-	15	-	-	6	-	1,502	6,006								
FRACTURE	-	-	1	1	2	7	-	7	-	-	253	-	45	253								
RADIATION/ULTRA VIOLET	-	-	345	1	346	72	-	417	-	-	5	-	30	10,190								
STRAIN/SPRAIN	-	-	10	10	20	11	-	9	-	-	402	-	40	402								
MULTIPLE INJURIES	-	-	7	7	14	2	-	11	-	-	243	-	35	243								
OTHER INJURY, NEC	-	-	33	33	66	7	-	40	-	-	1,384	-	42	1,384								
UNCLASSIFIED (NO DATA)	-	-	1	1	2	-	-	1	-	-	28	-	28	28								
OCCUPATIONAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
TOTAL OR AVERAGE	1	-	432	432	864	98	-	531	6,000	-	13,054	-	30	15,054								
UPPER ARM:																						
BURN/SCALD (NOT CHEM.)	-	-	2	-	2	-	-	2	-	-	7	-	4	7								
CHEMICAL BURN	-	-	-	-	-	1	-	1	-	-	-	-	-	-								
CONTUSION OR BRUISE	-	-	1	1	2	1	-	1	-	-	-	-	1	1								
CUT OR PUNCTURE	-	-	5	5	10	9	-	14	-	-	81	-	16	81								
FRACTURE	-	-	1	1	2	1	-	1	-	-	44	-	44	44								
STRAIN/SPRAIN	-	-	10	10	20	11	-	11	-	-	345	-	35	345								
MULTIPLE INJURIES	-	-	2	2	4	2	-	2	-	-	5	-	4	5								
TOTAL OR AVERAGE	-	-	21	21	42	11	-	32	-	-	488	-	23	488								
ELBOW:																						
CONTUSION OR BRUISE	-	-	54	12	66	26	-	80	-	-	1,019	-	19	1,019								
CUT OR PUNCTURE	-	-	7	7	14	12	-	24	-	-	261	-	22	261								
DISLOCATION	-	-	19	19	38	3	-	22	-	-	345	-	49	345								
FRACTURE	-	-	-	-	-	1	-	1	-	-	600	-	32	600								
RADIATION/ULTRA VIOLET	-	-	-	-	-	9	-	75	-	-	-	-	31	-								
STRAIN/SPRAIN	-	-	66	7	73	2	-	9	-	-	2,052	-	15	2,052								
MULTIPLE INJURIES	-	-	5	5	10	7	-	7	-	-	115	-	23	115								
OTHER INJURY, NEC	-	-	8	8	16	6	-	14	-	-	111	-	14	111								
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
TOTAL OR AVERAGE	-	-	178	178	356	61	-	239	-	-	4,611	-	26	4,611								
FOREARM:																						
BURN/SCALD (NOT CHEM.)	-	-	2	1	3	8	-	10	-	-	13	-	6	13								
CHEMICAL BURN	-	-	1	1	2	1	-	2	-	-	2	-	2	2								
CONTUSION OR BRUISE	-	-	26	4	30	30	-	30	-	-	344	-	13	344								
CUT OR PUNCTURE	-	-	17	17	34	50	-	67	-	-	80	-	5	80								
FRACTURE	-	-	1	1	2	1	-	1	-	-	2	-	2	2								
ELECT. BURN (CONTACT)	-	-	21	1	22	5	-	26	-	-	1,334	-	64	1,334								
RADIATION/ULTRA VIOLET	-	-	1	1	2	1	-	1	-	-	8	-	8	8								
STRAIN/SPRAIN	-	-	7	7	14	5	-	12	-	-	130	-	15	130								
MULTIPLE INJURIES	-	-	5	5	10	3	-	10	-	-	42	-	8	42								
UNCLASSIFIED (NO DATA)	-	-	1	1	2	1	-	2	-	-	47	-	47	47								
TOTAL OR AVERAGE	-	-	82	82	164	79	-	161	-	-	2,002	-	24	2,002								

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY
AT ALL COAL 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	TOTAL INJURIES	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL NFDL					
									TOTAL				
Wrist:													
BURN/SCALD (NOT CHEM.)	-	-	4	-	4	2	6	-	-	65	-	65	16
CHEMICAL BURN	-	-	1	-	1	1	2	-	-	1	-	1	1
CONTUSION OR BRUISE	-	-	21	-	21	5	26	-	-	323	-	323	15
CUT OR PUNCTURE	-	-	14	-	14	26	40	-	-	309	-	309	22
DERMATITIS	-	-	1	-	1	-	1	-	-	7	-	7	7
DISLOCATION	-	-	1	-	1	-	1	-	-	9	-	9	9
ELECT. BURN (CONTACT)	-	-	45	-	45	14	59	-	-	2,055	-	2,055	46
FRACTURE	-	-	1	-	1	-	1	-	-	10	-	10	10
RADIATION/ULTRA VIOLET	-	-	1	-	1	-	1	-	-	30	-	30	30
SCRATCH/ABRASION	-	-	86	-	86	17	103	-	-	1,902	-	1,902	22
STRAIN/SPRAIN	-	-	8	-	8	-	8	-	-	482	-	482	60
MULTIPLE INJURIES	-	-	1	-	1	1	2	-	-	42	-	42	42
OTHER INJURY, NEC	-	-	7	-	7	1	8	-	-	349	-	349	50
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	192	-	192	67	259	-	-	5,585	-	5,585	29
Hand:													
BURN/SCALD (NOT CHEM.)	-	-	24	-	24	10	34	-	-	264	-	264	11
CHEMICAL BURN	-	-	115	-	115	35	150	-	-	1,918	-	1,918	17
CONTUSION OR BRUISE	-	-	128	-	128	191	320	-	-	1,949	-	1,949	15
CUT OR PUNCTURE	-	-	10	-	10	19	29	-	-	90	-	90	9
ELECT. BURN (CONTACT)	-	-	76	-	76	19	95	-	-	2,607	-	2,607	34
FRACTURE	-	-	21	-	21	3	24	-	-	509	-	509	24
RADIATION/ULTRA VIOLET	-	-	5	-	5	1	6	-	-	149	-	149	30
SCRATCH/ABRASION	-	-	15	-	15	5	20	-	-	314	-	314	21
STRAIN/SPRAIN	-	-	45	-	45	2	47	-	-	1,381	-	1,381	31
MULTIPLE INJURIES	-	-	3	-	3	-	3	-	-	105	-	105	35
OTHER INJURY, NEC	-	-	15	-	15	8	23	-	-	542	-	542	36
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	458	-	458	276	734	-	-	9,828	-	9,828	21
Finger(s):													
AMPUTATION/CHLORINATION	-	-	59	-	59	-	59	-	-	10,705	-	10,705	181
BURN/SCALD (NOT CHEM.)	-	-	1	-	1	5	6	-	-	7	-	7	7
CHEMICAL BURN	-	-	170	-	170	94	264	-	-	2,919	-	2,919	9
CONTUSION OR BRUISE	-	-	319	-	319	529	848	-	-	5,216	-	5,216	17
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	16
DERMATITIS	-	-	9	-	9	1	11	-	-	184	-	184	-
DISLOCATION	-	-	6	-	6	2	8	-	-	101	-	101	20
ELECT. BURN (CONTACT)	-	-	322	-	322	209	531	-	-	8,785	-	8,785	17
FRACTURE	-	-	2	-	2	4	6	-	-	35	-	35	27
RADIATION/ULTRA VIOLET	-	-	34	-	34	8	42	-	-	443	-	443	28
SCRATCH/ABRASION	-	-	139	-	139	98	237	-	-	4,064	-	4,064	9
STRAIN/SPRAIN	-	-	17	-	17	3	20	-	-	321	-	321	13
MULTIPLE INJURIES	-	-	-	-	-	16	33	-	-	-	-	-	29
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	-	19
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	1,025	-	1,025	572	2,056	-	-	32,852	-	32,852	30

TABLE 12. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ALL COAL 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	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					
															TOTAL
UPPER EXTREMITIES, NEC. AMPUTATION/ENGULFMENT BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS ELECT. BURN (CONTACT) FRACTURE RADIATION/ULTRA VIOLET SCRATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC. UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - - - - - - - - 3	2 8 1 42 26 1 1 33 5 2 60 24 5 13 221	2 8 1 42 27 1 1 33 5 2 60 24 5 13 224	2 8 1 42 27 1 1 33 5 2 60 24 5 13 224	2 11 3 49 63 1 2 37 5 2 71 31 5 14 296	- - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - -	9,000 162 3 517 1,193 2 2,176 122 13 1,558 1,141 100 329 16,348	9,000 162 3 517 1,193 2 2,176 122 13 1,558 1,141 100 329 16,348	4,500 - - - 720 - - - - - - - - - 3,240	- 20 3 12 18 2 32 66 24 6 26 48 20 25 73	4,500 - - - 720 - - - - - - - - - 3,240	- 20 3 12 18 2 32 66 24 6 26 48 20 25 73		
ABDOMEN: BURN/SCALD (NOT CHEM.) CONTUSION OR BRUISE CUT OR PUNCTURE RADIATION/ULTRA VIOLET STRAIN/SPRAIN UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - -	4 3 3 1 35 4 50	4 3 3 1 35 4 50	4 3 3 1 35 4 50	5 5 6 1 43 6 66	- - - - - - - -	- - - - - - - -	36 19 28 18 1,017 120 1,238	36 19 28 18 1,017 120 1,238	- - - - - - - -	9 6 9 18 29 30 25	- - - - - - - -	9 6 9 18 29 30 25	9 6 9 18 29 30 25	
BACK: BURN/SCALD (NOT CHEM.) CONTUSION OR BRUISE CUT OR PUNCTURE DISLOCATION FRACTURE SCRATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC. UNCLASSIFIED (NO DATA) OCCUPATIONAL DISEASES TOTAL OR AVERAGE	- - - - - - - - - - - 1	4 186 1 1 35 4 3,058	4 186 1 1 36 4 3,061	4 186 1 1 36 4 3,061	4 204 2 1 38 4 3,437	- - - - - - - -	- - - - - - - -	82 5,360 17 16 8,983 85 110,256 3,501 968 5,134 87 125,189	82 5,360 17 16 8,983 85 110,256 3,501 968 5,134 87 125,189	- - - - - - - -	20 29 17 16 85 21 26 66 33 39 87 36	- - - - - - - -	20 29 17 16 85 21 26 66 33 39 87 36	20 29 17 16 85 21 26 66 33 39 87 36	

TABLE 12. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ALL CAD 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	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL		
		TOTAL	PARTIAL	TEMPORARY				TOTAL	PARTIAL	TEMPORARY					TOTAL	
CHEST:																
CONTUSION OR BRUISE	-	89	2	91	89	119	-	-	-	670	-	8	670	-	8	4
CUT OR PUNCTURE	-	2	2	4	2	4	-	-	-	8	-	-	8	-	-	-
DISLOCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRACTURE	-	88	34	122	88	113	-	-	-	2,140	-	24	2,140	-	24	16
STRAIN/SPRAIN	-	34	12	46	34	48	-	-	-	546	-	16	546	-	16	882
MULTIPLE INJURIES	2	12	2	14	14	14	12,000	-	-	343	-	54	343	-	54	32
OTHER INJURY, NEC	-	2	2	4	2	3	-	-	-	108	-	32	108	-	32	67
UNCLASSIFIED (NO DATA)	-	14	14	28	14	17	-	-	-	447	-	-	447	-	-	-
TOTAL OR AVERAGE	2	241	241	243	243	320	12,000	-	-	4,262	-	18	16,262	-	18	67
PELVIC REGION:																
BURN/SCALD (NOT CHEM.)	-	1	1	2	1	1	-	-	-	10	-	-	10	-	10	21
CONTUSION OR BRUISE	-	65	1	66	65	74	-	-	-	1,363	-	-	1,363	-	21	4
CUT OR PUNCTURE	-	2	2	4	2	4	-	-	-	73	-	-	73	-	4	36
DISLOCATION	-	16	16	32	16	32	-	-	-	783	-	-	783	-	49	49
FRACTURE	-	115	8	123	123	123	-	-	-	6,003	-	50	6,003	-	32	28
HERNIA (NOT DISC)	-	2	2	4	2	4	-	-	-	4,344	-	50	4,344	-	28	49
STRAIN/SPRAIN	-	149	7	156	151	167	-	-	-	367	-	-	367	-	52	52
MULTIPLE INJURIES	-	3	3	6	3	6	-	-	-	90	-	-	90	-	30	26
OTHER INJURY, NEC	-	4	4	8	4	7	-	-	-	105	-	-	105	-	26	30
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	117	256	373	373	410	-	-	-	13,142	-	50	13,142	-	28	35
SHOULDER(S):																
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	1	-	-	-	1,616	-	-	1,616	-	21	21
CONTUSION OR BRUISE	-	77	2	79	77	95	-	-	-	1,137	-	-	1,137	-	68	53
CUT OR PUNCTURE	-	26	26	52	26	28	-	-	-	1,380	-	-	1,380	-	49	49
DISLOCATION	-	22	22	44	22	25	-	-	-	1,077	-	-	1,077	-	74	74
FRACTURE	-	1	1	2	1	1	-	-	-	74	-	-	74	-	40	38
RADIATION/ULTRA VIOLET	-	2	2	4	2	2	-	-	-	81	-	-	81	-	38	28
SCALD/ABRASION	-	228	13	241	228	274	-	-	-	8,551	-	-	8,551	-	38	28
STRAIN/SPRAIN	-	13	2	15	13	16	-	-	-	359	-	-	359	-	18	18
MULTIPLE INJURIES	-	2	2	4	2	4	-	-	-	36	-	-	36	-	28	26
OTHER INJURY, NEC	-	15	15	30	15	16	-	-	-	414	-	-	414	-	28	28
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	388	388	388	388	472	-	-	-	13,725	-	35	13,725	-	35	35
TRUNK, NEC:																
BURN/SCALD (NOT CHEM.)	-	61	3	64	62	66	-	-	-	1,226	-	-	1,226	-	20	117
CONTUSION OR BRUISE	-	9	9	18	9	10	-	-	-	14	-	-	14	-	5	5
CUT OR PUNCTURE	-	2	2	4	2	3	-	-	-	602	-	-	602	-	67	67
FRACTURE	-	95	2	97	95	109	-	-	-	16	-	-	16	-	8	8
SCALD/ABRASION	-	39	39	78	39	43	-	-	-	2,048	-	-	2,048	-	22	22
STRAIN/SPRAIN	-	1	1	2	1	1	-	-	-	2,164	-	-	2,164	-	35	35
MULTIPLE INJURIES	-	26	26	52	26	29	-	-	-	12	-	-	12	-	12	12
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	1,577	-	-	1,577	-	61	61
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	236	236	237	237	265	6,000	-	-	7,659	-	-	7,659	-	32	58

TABLE 12. - NUMBER OF INJURIES, LOS* HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY
AT ALL COAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST HOURS					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					TOTAL	PARTIAL					
THIGH: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- RADIATION/ULTRA VIOLET----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	6 6 29 - - - - - 38	6 32 44 3 2 19 2 1 109	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	14 14 38 36 30 1 23		
KNEE: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- FRACTURE----- SCRAPE/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	1 1 29 28 2 2 82 8 1 8 160	1 2 27 54 6 22 3 798 46 55 1,220	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	- - - - - - - - - - - -	10 24 10 42 60 27 39 19 39 32 35	
LOWER LEG: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- SCRAPE/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	2 7 26 - - 1 4 1 41	3 45 38 36 3 16 24 2 3 170	- - - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	15 13 42 93 2 26 47 76 14 45
ANKLE: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	5 4 5 2 318 19 1 4 469	5 44 10 79 342 20 1 4 505	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	15 13 28 61 17 31 56 51 25

TABLE 12. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ALL COAL 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	
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL NFDL							
	TOTAL	PARTIAL														
FOOT:																
AMPUTATION/ENUCLEATION----	-	2	2	2	2	2	2	-	1,785	-	-	1,785	892	-	892	892
BURN/SCALD (NOT CHEM.)----	-	11	11	11	11	11	14	-	-	-	-	327	-	30	30	30
CHEMICAL BURN-----	-	2	2	2	2	2	2	-	-	-	-	8	-	4	4	4
CONTUSION OR BRUISE----	-	257	257	257	257	257	288	-	-	-	-	3,791	-	15	15	15
CUT OR PUNCTURE-----	-	25	25	25	25	25	47	-	-	-	-	449	-	18	18	18
FRACTURE-----	-	128	128	128	128	128	139	-	-	-	-	5,812	-	45	45	45
STRAIN/SPRAIN-----	-	51	51	51	51	51	60	-	-	-	-	1,034	-	20	20	20
MULTIPLE INJURIES-----	-	26	26	26	26	26	28	-	-	-	-	744	-	29	29	29
OTHER INJURY, NEC-----	-	2	2	2	2	2	2	-	-	-	-	131	-	66	66	66
UNCLASSIFIED (NO DATA)----	-	23	23	23	23	23	26	-	-	-	-	522	-	23	23	23
TOTAL OR AVERAGE-----	-	2	527	527	527	527	608	-	-	-	-	14,603	892	24	28	28
TOE(S):																
AMPUTATION/ENUCLEATION----	-	4	4	4	4	4	4	-	1,835	-	-	1,835	459	-	459	459
CONTUSION OR BRUISE----	-	12	12	12	12	12	17	-	-	-	-	357	-	30	30	30
CUT OR PUNCTURE-----	-	4	4	4	4	4	8	-	-	-	-	34	-	8	8	8
DISLOCATION-----	-	1	1	1	1	1	2	-	-	-	-	82	-	82	82	82
FRACTURE-----	-	43	43	43	43	43	69	-	-	-	-	1,395	-	32	32	32
SCALD/ABRASION-----	-	1	1	1	1	1	1	-	-	-	-	10	-	10	10	10
STRAIN/SPRAIN-----	-	1	1	1	1	1	1	-	-	-	-	4	-	4	4	4
MULTIPLE INJURIES-----	-	8	8	8	8	8	9	-	-	-	-	378	-	47	47	47
UNCLASSIFIED (NO DATA)----	-	1	1	1	1	1	1	-	-	-	-	36	-	36	36	36
TOTAL OR AVERAGE-----	-	4	71	75	75	75	112	-	-	-	-	4,131	459	32	55	55
LOWER EXTREMITIES, NEC:																
BURN/SCALD (NOT CHEM.)----	-	5	5	5	5	5	8	-	-	-	-	49	-	10	10	10
CHEMICAL BURN-----	-	94	94	94	94	94	116	-	-	-	-	1,913	-	20	20	20
CONTUSION OR BRUISE----	-	31	31	31	31	31	80	-	-	-	-	379	-	12	12	12
CUT OR PUNCTURE-----	-	67	67	67	67	67	71	-	-	-	-	6,650	3,000	99	142	142
FRACTURE-----	-	1	1	1	1	1	1	-	-	-	-	2	-	2	2	2
RADIATION/ULTRA VIOLET----	-	1	1	1	1	1	1	-	-	-	-	1	-	1	1	1
SCALD/ABRASION-----	-	56	56	56	56	56	64	-	-	-	-	1,449	-	26	26	26
STRAIN/SPRAIN-----	-	36	36	36	36	36	45	-	-	-	-	4,033	1,575	25	106	106
MULTIPLE INJURIES-----	-	4	4	4	4	4	4	-	-	-	-	187	-	47	47	47
OTHER INJURY, NEC-----	-	20	20	20	20	20	25	-	-	-	-	682	-	34	34	34
UNCLASSIFIED (NO DATA)----	-	3	315	318	318	318	416	-	-	-	-	18,345	2,050	39	58	58
TOTAL OR AVERAGE-----	-	3	315	318	318	318	416	-	-	-	-	18,345	2,050	39	58	58
BODY SYSTEMS:																
ASPHYXIATION/CHOKING-----	15	-	4	4	19	3	22	90,000	-	-	-	26	-	6	4,738	4,738
ELECTRIC SHOCK-----	4	-	28	28	32	6	36	24,000	-	-	-	1,034	-	37	782	782
POISONING (SYSTEMIC)-----	-	-	13	13	13	16	29	-	-	-	-	44	-	3	3	3
OTHER INJURY, NEC-----	-	-	1	1	1	-	1	-	-	-	-	18	-	18	18	18
TOTAL OR AVERAGE-----	19	-	46	46	65	25	90	114,000	-	-	-	1,122	-	24	1,771	1,771

[illegible]

TABLE 12A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1969

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					
EAR: BURN/SCALD (NOT CHEM.)----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	- - -	- - -	1 1 1	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	
EYE: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DUST IN EYE----- SCRATCH/ABRASION----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - -	- - - - - - - - -	- - 2 2 2 1 1 6	- - 2 2 2 1 1 1 6	- - 2 2 2 1 1 1 6	1 1 3 6 1 1 1 14	1 1 5 8 1 1 2 20	- - - - - - - -	- - - - - - - -	- - 5 4 4 5 3 17	- - - - - - - -	- - - - - - - -	- - 2 2 - 5 3 3 3	- - - - - - - -	- - - - - - - -	
JAW: CUT OR PUNCTURE----- FRACTURE----- TOTAL OR AVERAGE-----	- - -	- - -	- 1 1	- 1 1	- 1 1	1 1 1	1 1 2	- - -	- - -	- 41 41	- - -	- 41 41	- - -	- 41 41	- - -	- 41 41
NOSE: CUT OR PUNCTURE----- TOTAL OR AVERAGE-----	- -	- -	- -	- -	- -	1 1	1 1	- -	- -	- -	- -	- -	- -	- -	- -	- -
SCALP: CUT OR PUNCTURE----- TOTAL OR AVERAGE-----	- -	- -	- -	- -	- -	1 1	1 1	- -	- -	- -	- -	- -	- -	- -	- -	- -
FACE, NEC: BURN/SCALD (NOT CHEM.)----- CUT OR PUNCTURE----- FRACTURE----- TOTAL OR AVERAGE-----	- - - -	- - - -	1 1 2	1 1 2	1 1 2	1 3 3 5	1 3 1 5	- - - -	- - - -	3 60 63	- - -	3 60 63	- - -	3 60 32	3 60 32	3 60 32
HEAD, NEC: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	1 1 1 4	1 1 1 4	1 1 1 4	1 1 1 2 6	2 2 1 1 6	- - - -	- - - -	42 1 9 53	- - -	42 1 9 53	- - -	42 1 9 13	42 1 9 13	42 1 9 13

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

PART OF BODY INJURED AND NATURE 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 NFDL	TOTAL				PARTIAL						
NECK: STRAIN/SPRAIN----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - -	- - -	3 1 4	3 1 4	3 1 4	3 1 4	- - -	- - -	- - -	64 62 126	64 62 126	- - -	21 62 32	21 62 32	
ELBOW: CUT OR PUNCTURE----- DISLOCATION----- FRACTURE----- STRAIN/SPRAIN----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - -	- - - - - -	1 1 1 1 1 5	1 1 1 1 1 5	1 1 1 1 1 5	1 1 1 1 1 5	- - - - - -	- - - - - -	- - - - - -	28 2 32 10 8 80	28 2 32 10 8 80	- - - - - -	28 2 32 10 8 16	28 2 32 10 8 16	
FOREARM: CUT OR PUNCTURE----- TOTAL OR AVERAGE-----	- -	- -	1 1	- -	- -	1 1	- -	- -	- -	- -	- -	- -	- -	- -	- -
WRIST: CUT OR PUNCTURE----- FRACTURE----- STRAIN/SPRAIN----- TOTAL OR AVERAGE-----	- - - -	- - - -	1 2 3 5	1 2 3 5	1 2 2 5	1 2 2 5	- - - -	- - - -	- - - -	109 32 141 141	109 32 141 141	- - - -	109 16 47 47	109 16 47 47	
HAND: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	1 3 1 1 7	1 3 1 1 7	1 3 1 1 7	1 4 3 1 10	- - - - -	- - - - -	- - - - -	17 4 12 16 50	17 4 12 16 50	- - - - -	17 1 12 16 7	17 1 12 16 7	
FINGER(S): AMPUTATION/ENUCLEATION----- BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- FRACTURE----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - -	2 - - - - - - 2	2 1 5 4 1 2 1 15	2 1 5 4 1 2 1 17	2 1 5 4 1 2 1 17	2 1 7 6 1 3 2 24	- - - - - - - -	- - - - - - - -	360 7 177 67 18 39 13 5 360	360 7 177 67 18 39 13 5 360	180 - - - - - - 180	7 35 17 18 20 13 5 22	180 7 35 17 18 20 13 5 40		

TABLE 12A. - NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ANTHRACITE COAL 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	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											
UPPER EXTREMITIES, NEC: CONTUSION OR BRUISE CUT OR PUNCTURE STRAIN/SPRAIN OTHER INJURY, NEC TOTAL OR AVERAGE	- - - - - -	- 1 1 1 1 4	- 1 1 1 1 4	- 1 1 1 1 4	- 1 1 1 1 4	1 2 2 1 6	- - - - -	- - - - -	- 1 24 6 32 63	- 1 24 6 32 63	- - - - -	- 1 24 6 32 63	- 1 24 6 32 63	- 1 24 6 32 63	
ABDOMEN: STRAIN/SPRAIN UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - -	- 1 1 1	- 1 1 1	- 1 1 1	- 1 1 1	1 1 2	- - - -	- - - -	- 55 55	- 55 55	- - -	- 55 55	- 55 55	- 55 55	
BACK: CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - -	- 2 1 41 2 1 4 52	- 2 1 41 2 1 4 52	- 2 1 41 2 1 4 52	- 2 1 41 2 1 4 52	3 2 44 2 1 4 57	- 1 1 3 2 1 1 5	- - - - - - -	- - - - - - -	- 35 17 85 2,242 494 34 237 3,144	- 35 17 85 2,242 494 34 237 3,144	- - - - - - -	- 35 17 85 2,242 494 34 237 3,144	- 18 17 85 55 247 34 59 60	
CHEST: CONTUSION OR BRUISE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - -	- 3 4 1 1 1 10	- 3 4 1 1 1 10	- 3 4 1 1 1 10	- 3 4 1 1 1 10	5 2 4 1 1 12	- 2 - - - - 2	- - - - - -	- - - - - -	- 33 301 4 83 4 425	- 33 301 4 83 4 425	- - - - - -	- 33 301 4 83 4 425	- 11 75 4 4 83 4 42	
PELVIC REGION: HERNIA (NOT DISC) STRAIN/SPRAIN TOTAL OR AVERAGE	- - - -	- 5 1 5	- 5 1 6	- 5 1 6	- 5 1 6	5 2 7	- 1 1 1	- - - -	- 250 - 250	- 250 12 262	- 250 12 262	- 50 12 50	- 50 12 50	- 50 12 50	
SHOULDER(S): STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - -	- 4 1 5	- 4 1 5	- 4 1 5	- 4 1 5	4 1 1 6	- 1 1 1	- - - -	- 117 - 153	- 117 - 153	- 117 - 153	- - -	- 29 - 31	- 29 - 31	

TABLE 12A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ANTHRACITE COAL 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	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL					PARTIAL
TRUNK, NEC: STRAIN/SPRAIN UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - -	- - - -	3 1 4 -	3 1 4 -	3 1 4 -	- - - -	3 1 4 -	- - - -	- - - -	52 2 54 -	52 2 54 -	- - - -	17 2 14 -	17 2 14 -		
THIGH: CUT OR PUNCTURE STRAIN/SPRAIN TOTAL OR AVERAGE	- - - -	- - - -	- 1 1 -	- 1 1 -	- 1 1 -	1 - - -	1 1 1 2	- - - -	- - - -	132 132 132 -	132 132 132 -	- - - -	132 132 132 -	132 132 132 -		
KNEE: BURN/SCALD (NOT CHEM.) STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - -	- - - - -	- 7 7 1 -	- 7 7 1 -	- 7 7 1 -	1 - - 3 -	1 7 7 4 13	- - - - -	- - - - -	257 2 36 295 295	257 2 36 295 295	- - - - -	37 2 36 33 33	37 2 36 33 33		
LOWER LEG: CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - -	- - - - - -	1 1 1 2 6 -	1 1 1 2 6 -	1 1 1 2 6 -	- - - - - -	1 1 1 2 6 -	- - - - - -	- - - - - -	17 89 19 234 38 397	17 89 19 234 38 397	- - - - - -	17 89 19 234 19 66	17 89 19 234 19 66		
ANKLE: BURN/SCALD (NOT CHEM.) CONTUSION OR BRUISE FRACTURE STRAIN/SPRAIN TOTAL OR AVERAGE	- - - - -	- - - - -	1 1 2 6 10 -	1 1 2 6 10 -	1 1 2 6 10 -	1 - 1 1 1 -	1 1 2 7 11	- - - - -	- - - - -	47 1 65 102 215	47 1 65 102 215	- - - - -	47 1 32 17 22	47 1 32 17 22		
FOOT: CONTUSION OR BRUISE STRAIN/SPRAIN TOTAL OR AVERAGE	- - - -	- - - -	5 1 6 -	5 1 6 -	5 1 6 -	5 - 1 1 -	5 2 7 -	- - - -	- - - -	14 136 150 -	14 136 150 -	- - - -	3 136 25 -	3 136 25 -		
TOE(S): CONTUSION OR BRUISE TOTAL OR AVERAGE	- - -	- - -	1 1 -	1 1 -	1 1 -	1 - -	1 1 1	- - -	- - -	4 4 4	4 4 4	- - -	4 4 4	4 4 4		

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

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NEDL			TOTAL FATAL AND NEDL	NOL	TOTAL INJURIES	FATAL	NEDL			TOTAL FATAL AND NEDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NEDL
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL	PARTIAL	TOTAL				
LOWER EXTREMITIES, NEC: CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - -	- 1 2 1 1 5	- 1 2 1 1 5	- 1 2 1 1 5	1 - - - - 1	1 2 2 1 1 6	- - - - - -	- - - - - -	- 2 162 72 8 244	- 2 162 72 8 244	- 2 81 72 8 49	- 2 81 72 8 49	- 2 81 72 8 49		
BODY SYSTEMS: POISONING (SYSTEMIC) TOTAL OR AVERAGE	- - -	- - -	- - -	- - -	1 1 1	1 1 1	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
MULTIPLE PARTS OF BODY: BURN/SCALD (NOT CHEM.) CONTUSION OR BRUISE CUT OR PUNCTURE STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE	- - - - 1 1	- 1 2 2 3 8	- 1 2 2 3 8	1 2 2 4 9	- - 1 2 2 3	1 2 2 6 12	- - - - 6,000 6,000	- - - - - -	- - - - - -	14 80 85 301 480	14 80 85 301 480	14 40 42 100 60	14 40 42 100 60	14 40 42 100 60	14 40 42 100 60
TOTAL OR AVERAGE: AMPUTATION/ENGULFMENT BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE 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	- - - - - - - - - - - 1 - 1	2 5 24 13 2 2 17 5 - 75 10 4 18 170	2 5 24 13 2 2 17 5 - 75 10 4 18 177	2 5 24 13 2 2 17 5 - 75 11 4 18 178	2 3 9 19 6 3 1 1 8 4 5 60	2 6 33 32 2 8 20 5 1 1 83 15 4 23 238	- - - - - - - - - - - 6,000 - 6,000	- 							

TABLE 128 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT BITUMINOUS COAL 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	TOTAL INJURIES	NOL	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL																																																																																																																																																																	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL																																																																																																																																																																						
EAR: BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE HEARING IMPAIRMENT SCALD/ABRASION MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - -

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

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY																																																																																																																																																																																																																																																																																												
	FATAL	MIDL			TOTAL FATAL AND MIDL	TOTAL INJURIES	FATAL	MIDL			TOTAL FATAL AND MIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MIDL																																																																																																																																																																																																																																																																																											
		TOTAL	PERMANENT	PARTIAL				TOTAL	PARTIAL																																																																																																																																																																																																																																																																																																
NOSE: ----- CONCUSSION OR BRUISE ----- CUT OR PUNCTURE ----- FRACTURE ----- MULTIPLE INJURIES ----- OTHER INJURY, NEC. ----- TOTAL OR AVERAGE	- - - - - -	- 6 11 9 2 28	- 6 11 9 2 28	- 6 11 9 2 28	4 22 10 4 - 40	4 28 21 13 2 68	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- 7 12 24 18 15 8	- 7 12 24 18 15 8	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - -

TABLE 12B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT BITUMINOUS COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL	TOTAL					
											TOTAL				
NECK: CONUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- RADIATION/ULTRA VIOLET----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- OCCUPATIONAL DISEASES----- TOTAL OR AVERAGE-----	- 1 - - - - - - - 1	- - - - - - - - -	26 3 6 1 342 10 7 32 1	25 3 6 1 342 10 7 32 1	4 11 1 - 72 1 2 7 -	30 15 7 1 414 11 9 26 1	5,000 - - - - - - - - 5,000	- - - - - - - - -	542 6 293 6 10,126 402 243 1,322 26	- - - - - - - - -	542 6 293 6 10,126 402 243 1,322 26	- - - - - - - - -	21 1,502 49 6 30 40 35 41 26 44		
UPPER ARM: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	2 - - - - - - 21	2 - - 5 1 10 2	- - 9 1 1 - 11	2 1 1 14 1 11 2 32	- - - - - - - -	- - - - - - - -	7 - - 81 44 346 9	7 - - 81 44 346 9	- - - - - - - -	7 - - 81 44 346 9	- - - - - - - -	4 - - 16 44 45 4 23	
ELBOW: CONUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- FRACTURE----- RADIATION/ULTRA VIOLET----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - -	- - - - - - - - -	54 11 6 18 - 65 7 5 7	54 11 6 18 - 65 7 5 7	26 12 3 1 9 2 2 6	80 23 6 21 74 9 7 13 234	- - - - - - - - -	- - - - - - - -	1,019 233 343 568 - 2,042 108 115 103	1,019 233 343 568 - 2,042 108 115 103	- - - - - - - -	1,019 233 343 568 - 2,042 108 115 103	- - - - - - - -	19 21 27 32 - 31 15 23 15 26	
FOREARM: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONUSION OR BRUISE----- CUT OR PUNCTURE----- ELECT. BURN (CONTACT)----- FRACTURE----- RADIATION/ULTRA VIOLET----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - -	- - - - - - - - -	2 1 26 17 1 21 7 5 1	2 1 26 17 1 21 7 5 1	8 1 4 49 5 5 3 1 78	10 2 30 66 26 1 12 10 2 160	- - - - - - - -	- - - - - - - -	13 2 344 80 2 1,334 8 130 42 47	13 2 344 80 2 1,334 8 130 42 47	- - - - - - - -	13 2 344 80 2 1,334 8 130 42 47	- - - - - - - -	6 2 13 2 24 6 19 8 47 24	

TABLE 128. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

PART OF BODY INJURED 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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL
		TOTAL	PERMANENT	PARTIAL									
Wrist: BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS DISLOCATION ELECT. BURN (CONTACT) FRACTURE RADIATION/ULTRA VIOLET SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC. UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - - - - - - - -	4 1 21 14 1 1 1 44 1 1 84 6 1 7 189	4 1 21 14 1 1 1 44 1 1 84 6 1 7 189	4 1 21 14 1 1 1 44 1 1 84 6 1 7 189	2 1 5 25 - - - 13 - - 17 1 1 65	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	65 1 323 306 1 7 9 1,946 10 30 1,870 482 42 349 5,444	65 1 323 306 1 7 9 1,946 10 30 1,870 482 42 349 5,444	- - - - - - - - - - - - - -	16 1 15 22 1 7 9 44 10 30 22 60 42 50 29	16 1 15 22 1 7 9 44 10 30 22 60 42 50 29	
Hand: BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE ELECT. BURN (CONTACT) FRACTURE RADIATION/ULTRA VIOLET SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC. UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - - - - -	23 112 128 10 75 21 5 15 45 3 14 451	23 112 128 10 75 21 5 15 45 3 14 451	23 112 128 10 75 21 5 15 45 3 14 451	10 34 189 19 19 3 1 5 2 8 273	- - - - - - - - - - - -	- - - - - - - - - - - -	247 1,914 1,937 90 2,591 509 149 314 1,381 105 541 9,778	247 1,914 1,937 90 2,591 509 149 314 1,381 105 541 9,778	- - - - - - - - - - -	11 17 15 9 35 24 30 21 21 35 35 22	11 17 15 9 35 24 30 21 21 35 35 22	
Finger(s): AMPUTATION/ENUCLEATION BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS DISLOCATION ELECT. BURN (CONTACT) FRACTURE RADIATION/ULTRA VIOLET SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC. UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - - - - - -	57 - 1 166 315 - 8 300 2 5 34 136 16 1,067	57 - 1 166 315 - 8 300 2 5 34 136 16 1,067	57 - 1 166 315 - 8 300 2 5 34 136 16 1,067	- 5 92 527 1 2 208 4 2 6 97 15 965	- - - - - - - - - - - -	- - - - - - - - - - - -	10,345 - 2,742 5,149 - 166 101 8,746 33 43 443 4,051 316 21,821 32,166	10,345 - 2,742 5,149 - 166 101 8,746 33 43 443 4,051 316 21,821 32,166	- - - - - - - - - - -	181 9 17 16 - 21 17 27 28 9 13 25 - 20 30	181 9 17 16 - 21 17 27 28 9 13 25 - 20 30	

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

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFIL			TOTAL FATAL AND NFIL	NFIL	FATAL	PERMANENT		TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL
		TOTAL	PARTIAL	TOTAL				PARTIAL					
UPPER EXTREMITIES, NEC.	-	-	-	-	-	-	-	-	-	-	-	-	-
AMPUTATION/ENGULFMENT	-	2	6	-	8	-	-	9,000	-	9,000	4,500	-	4,500
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	-	-	-	-	-	-	20	20
CHEMICAL BURN	-	-	41	-	41	-	-	-	-	-	-	3	3
CONTUSION OR BRUISE	-	-	26	-	26	-	-	-	-	-	-	13	13
CUT OR PUNCTURE	-	-	26	-	26	-	-	720	-	720	-	18	18
DERMATITIS	-	-	-	-	-	-	-	-	-	-	-	2	2
ELECT. BURN (CONTACT)	-	-	-	-	-	-	-	-	-	-	-	32	32
FRACTURE	-	-	33	-	33	-	-	2,175	-	2,175	-	56	56
RADIATION/ULTRA VIOLET	-	-	6	-	6	-	-	120	-	120	-	24	24
SCRATCH/ABRASION	-	-	59	-	59	-	-	1,552	-	1,552	-	6	6
STRAIN/SPRAIN	-	-	24	-	24	-	-	1,141	-	1,141	-	26	26
MULTIPLE INJURIES	-	-	4	-	4	-	-	58	-	58	-	48	48
OTHER INJURY, NEC.	-	-	13	-	13	-	-	329	-	329	-	17	17
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	25	25
TOTAL OR AVERAGE	-	3	217	220	437	-	-	15,285	-	15,285	3,240	30	74
ABDOMEN:	-	-	-	-	-	-	-	-	-	-	-	-	-
BURN/SCALD (NOT CHEM.)	-	-	4	-	4	-	-	35	-	35	-	9	9
CONTUSION OR BRUISE	-	-	3	-	3	-	-	19	-	19	-	9	9
CUT OR PUNCTURE	-	-	3	-	3	-	-	28	-	28	-	18	18
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	18	18
STRAIN/SPRAIN	-	-	35	-	35	-	-	1,017	-	1,017	-	29	29
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	65	-	65	-	22	22
TOTAL OR AVERAGE	-	-	49	49	98	-	-	1,183	-	1,183	-	24	24
BACK:	-	-	-	-	-	-	-	-	-	-	-	-	-
BURN/SCALD (NOT CHEM.)	-	-	4	-	4	-	-	82	-	82	-	20	20
CONTUSION OR BRUISE	-	-	184	-	184	-	-	5,325	-	5,325	-	29	29
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	15	15
DISLOCATION	-	-	-	-	-	-	-	-	-	-	-	85	85
FRACTURE	-	-	34	-	34	-	-	2,898	-	2,898	-	24	24
SCRATCH/ABRASION	-	-	4	-	4	-	-	85	-	85	-	21	21
STRAIN/SPRAIN	-	-	3,020	-	3,020	-	-	108,014	-	108,014	-	35	35
MULTIPLE INJURIES	-	-	51	-	51	-	-	3,007	-	3,007	-	59	59
OTHER INJURY, NEC.	-	-	28	-	28	-	-	934	-	934	-	33	33
UNCLASSIFIED (NO DATA)	-	-	128	-	128	-	-	4,897	-	4,897	-	87	87
TOTAL OR AVERAGE	-	1	3,452	3,456	6,912	-	-	131,345	-	131,345	1,100	35	38

TABLE 12B. - NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ALLIANTOIS COAL 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	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									
CHEST:													
CONTUSION OR BRUISE	-	-	86	-	86	114	-	-	-	537	-	7	7
CUT OR PUNCTURE	-	-	2	-	2	4	-	-	-	8	-	4	4
DISLOCATION	-	-	-	-	-	2	-	-	-	-	-	-	-
FRACTURE	-	-	84	-	84	109	-	-	-	1,839	-	22	22
STRAIN/SPRAIN	-	-	33	-	33	47	-	-	-	542	-	16	16
MULTIPLE INJURIES	2	-	11	-	13	13	12,000	-	-	260	-	24	24
OTHER INJURY, NEC	-	-	2	-	2	3	-	-	-	108	-	54	54
UNCLASSIFIED (NO DATA)	-	-	13	-	13	16	-	-	-	443	-	34	34
TOTAL OR AVERAGE	2	-	231	-	233	308	12,000	-	-	3,837	-	17	68
PELVIC REGION:													
BURN/SCALD (NOT CHEM.)	-	-	1	-	1	1	-	-	-	10	-	10	10
CONTUSION OR BRUISE	-	-	65	-	65	74	-	-	-	1,363	-	21	21
CUT OR PUNCTURE	-	-	2	-	2	3	-	-	-	4	-	4	4
DISLOCATION	-	-	16	-	16	4	-	-	-	73	-	36	36
FRACTURE	-	-	8	-	8	17	-	-	-	783	-	49	49
HEMIA (NOT DISC)	-	-	110	-	118	118	-	-	-	5,753	-	29	29
STRAIN/SPRAIN	-	-	148	-	150	165	5,500	-	-	4,332	-	52	52
MULTIPLE INJURIES	-	-	7	-	7	9	100	-	-	367	-	30	30
OTHER INJURY, NEC	-	-	3	-	3	5	-	-	-	90	-	26	26
UNCLASSIFIED (NO DATA)	-	-	4	-	4	7	-	-	-	105	-	-	-
TOTAL OR AVERAGE	-	-	255	-	267	403	-	-	-	7,280	-	29	35
SHOULDER(S):													
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	1	-	-	-	-	-	-	-
CONTUSION OR BRUISE	-	-	77	-	77	95	-	-	-	1,616	-	21	21
CUT OR PUNCTURE	-	-	26	-	26	10	-	-	-	1,380	-	68	68
DISLOCATION	-	-	22	-	22	25	-	-	-	1,077	-	53	53
FRACTURE	-	-	22	-	22	1	-	-	-	74	-	49	49
RADIATION/ULTRA VIOLET	-	-	1	-	1	2	-	-	-	81	-	74	74
STRAIN/SPRAIN	-	-	224	-	224	270	-	-	-	8,434	-	40	40
MULTIPLE INJURIES	-	-	13	-	13	15	-	-	-	359	-	38	38
OTHER INJURY, NEC	-	-	2	-	2	4	-	-	-	36	-	28	28
UNCLASSIFIED (NO DATA)	-	-	14	-	14	15	-	-	-	378	-	18	18
TOTAL OR AVERAGE	-	-	283	-	283	466	-	-	-	13,572	-	35	35
TRUNK, NEC:													
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	2	-	-	-	-	-	-	-
CONTUSION OR BRUISE	1	-	61	-	62	66	6,000	-	-	7,226	-	20	117
CUT OR PUNCTURE	-	-	3	-	3	3	-	-	-	14	-	5	5
FRACTURE	-	-	9	-	9	10	-	-	-	602	-	67	67
STRAIN/SPRAIN	-	-	2	-	2	2	-	-	-	16	-	8	8
MULTIPLE INJURIES	-	-	92	-	92	106	-	-	-	1,996	-	22	22
OTHER INJURY, NEC	-	-	39	-	39	43	-	-	-	2,164	-	55	55
UNCLASSIFIED (NO DATA)	-	-	1	-	1	1	-	-	-	12	-	12	12
TOTAL OR AVERAGE	1	-	232	-	232	261	6,000	-	-	13,605	-	33	58

TABLE 12B. - NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT BITUMINOUS COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO-RARY						TOTAL	PARTIAL	TOTAL					PARTIAL
			TOTAL	PARTIAL												
THIGH:																
BURN/SCALD (NOT CHEM.)	-	-	30	-	30	6	6	-	-	-	-	405	-	-	405	14
CONTUSION OR BRUISE	-	-	15	-	15	2	2	-	-	-	-	204	-	-	204	14
CUT OR PUNCTURE	-	-	3	-	3	3	3	-	-	-	-	213	-	-	213	71
FRACTURE	-	-	2	-	2	-	-	-	-	-	-	76	-	-	76	38
RADIATION/ULTRA VIOLET	-	-	17	-	17	1	1	-	-	-	-	518	-	-	518	30
STRAIN/SPRAIN	-	-	2	-	2	-	-	-	-	-	-	61	-	-	61	30
MULTIPLE INJURIES	-	-	1	-	1	-	-	-	-	-	-	1	-	-	1	1
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	70	-	70	37	107	-	-	-	-	1,478	-	-	1,478	21
KNEE:																
CHEMICAL BURN	-	-	1	-	1	1	1	-	-	-	-	10	-	-	10	10
CONTUSION OR BRUISE	-	-	198	-	198	27	27	-	-	-	-	4,662	-	-	4,662	24
CUT OR PUNCTURE	-	-	26	-	26	28	28	-	-	-	-	250	-	-	250	10
DISLOCATION	-	-	6	-	6	6	6	-	-	-	-	252	-	-	252	42
FRACTURE	-	-	20	-	20	2	2	-	-	-	-	1,206	-	-	1,206	60
SCRAPE/ABRASION	-	-	3	-	3	3	3	-	-	-	-	80	-	-	80	27
STRAIN/SPRAIN	-	-	709	-	709	82	82	-	-	-	-	27,805	-	-	27,805	39
MULTIPLE INJURIES	-	-	37	-	37	8	8	-	-	-	-	713	-	-	713	19
OTHER INJURY, NEC	-	-	5	-	5	1	1	-	-	-	-	196	-	-	196	39
UNCLASSIFIED (NO DATA)	-	-	46	-	46	5	5	-	-	-	-	1,454	-	-	1,454	32
TOTAL OR AVERAGE	-	-	1,051	-	1,051	156	1,207	-	-	-	-	36,628	-	-	36,628	35
LOWER LEG:																
BURN/SCALD (NOT CHEM.)	-	-	1	-	1	2	2	-	-	-	-	15	-	-	15	15
CONTUSION OR BRUISE	-	-	38	-	38	7	7	-	-	-	-	510	-	-	510	13
CUT OR PUNCTURE	-	-	11	-	11	26	26	-	-	-	-	493	-	-	493	45
FRACTURE	-	-	35	-	35	35	35	-	-	-	-	3,261	-	-	3,261	93
SCRAPE/ABRASION	-	-	3	-	3	3	3	-	-	-	-	5	-	-	5	2
STRAIN/SPRAIN	-	-	14	-	14	1	1	-	-	-	-	368	-	-	368	26
MULTIPLE INJURIES	-	-	19	-	19	4	4	-	-	-	-	712	-	-	712	37
OTHER INJURY, NEC	-	-	1	-	1	1	1	-	-	-	-	76	-	-	76	76
UNCLASSIFIED (NO DATA)	-	-	1	-	1	-	-	-	-	-	-	3	-	-	3	3
TOTAL OR AVERAGE	-	-	123	-	123	41	164	-	-	-	-	5,443	-	-	5,443	44
ANKLE:																
BURN/SCALD (NOT CHEM.)	-	-	4	-	4	4	4	-	-	-	-	29	-	-	29	7
CONTUSION OR BRUISE	-	-	39	-	39	5	5	-	-	-	-	503	-	-	503	13
CUT OR PUNCTURE	-	-	5	-	5	10	10	-	-	-	-	138	-	-	138	28
FRACTURE	-	-	75	-	75	77	77	-	-	-	-	4,610	-	-	4,610	61
STRAIN/SPRAIN	-	-	312	-	312	23	23	-	-	-	-	5,309	-	-	5,309	17
MULTIPLE INJURIES	-	-	19	-	19	1	1	-	-	-	-	585	-	-	585	31
OTHER INJURY, NEC	-	-	1	-	1	1	1	-	-	-	-	56	-	-	56	51
UNCLASSIFIED (NO DATA)	-	-	4	-	4	4	4	-	-	-	-	204	-	-	204	25
TOTAL OR AVERAGE	-	-	459	-	459	35	494	-	-	-	-	11,434	-	-	11,434	25

TABLE 12B - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT BILUMINOUS COAL 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	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
FOOT:														
AMPUTATION/ENGULFMENT	-	2	2	2	2	-	-	-	1,785	1,785	892	-	892	
BURN/SCALD (NOT CHEM.)	-	-	11	11	11	3	-	-	-	327	-	30	30	
CHEMICAL BURN	-	-	2	2	2	-	-	-	-	8	-	4	4	
CONTUSION OR BRUISE	-	-	252	252	252	31	-	-	-	3,777	-	15	15	
CUT OR PUNCTURE	-	-	25	25	25	22	-	-	-	449	-	18	18	
FRACURE	-	-	128	128	128	11	-	-	-	5,812	-	45	45	
STRAIN/SPRAIN	-	-	50	50	50	8	-	-	-	898	-	18	18	
MULTIPLE INJURIES	-	-	26	26	26	2	-	-	-	744	-	29	29	
OTHER INJURY, NEC	-	-	2	2	2	3	-	-	-	131	-	66	66	
UNCLASSIFIED (NO DATA)	-	-	23	23	23	-	-	-	-	522	-	23	23	
TOTAL OR AVERAGE	-	2	519	521	521	80	-	-	1,785	14,453	892	24	28	
TOE(S):														
AMPUTATION/ENGULFMENT	-	4	4	4	4	-	-	-	-	1,835	459	-	459	
CONTUSION OR BRUISE	-	-	11	11	11	5	-	-	-	353	-	32	32	
CUT OR PUNCTURE	-	-	4	4	4	4	-	-	-	34	-	8	8	
DISLOCATION	-	-	1	1	1	1	-	-	-	82	-	82	82	
FRACURE	-	-	43	43	43	26	-	-	-	1,395	-	32	32	
SCALD/ABRASION	-	-	1	1	1	-	-	-	-	10	-	10	10	
STRAIN/SPRAIN	-	-	1	1	1	-	-	-	-	4	-	4	4	
MULTIPLE INJURIES	-	-	8	8	8	1	-	-	-	378	-	47	47	
UNCLASSIFIED (NO DATA)	-	-	1	1	1	-	-	-	-	36	-	36	36	
TOTAL OR AVERAGE	-	4	70	74	74	37	-	-	1,835	4,127	459	33	56	
LOWER EXTREMITIES, NEC:														
BURN/SCALD (NOT CHEM.)	-	-	5	5	5	3	-	-	-	49	-	10	10	
CHEMICAL BURN	-	-	94	94	94	21	-	-	-	1,913	-	20	20	
CONTUSION OR BRUISE	-	-	30	30	30	49	-	-	-	377	-	13	13	
CUT OR PUNCTURE	-	-	65	65	65	3	-	-	-	9,488	3,000	100	144	
FRACURE	-	-	1	1	1	-	-	-	-	2	-	2	2	
RADIATION/ALTRA VIOLET	-	-	1	1	1	-	-	-	-	1	-	1	1	
SCALD/ABRASION	-	-	56	56	56	8	-	-	-	1,449	-	26	26	
STRAIN/SPRAIN	-	-	36	36	36	7	-	-	-	4,033	1,575	25	106	
MULTIPLE INJURIES	-	-	3	3	3	5	-	-	-	115	-	38	38	
OTHER INJURY, NEC	-	-	19	19	19	-	-	-	-	674	-	35	35	
UNCLASSIFIED (NO DATA)	-	-	310	313	313	97	-	-	-	18,101	2,050	39	58	
TOTAL OR AVERAGE	-	3	310	313	313	97	-	-	6,150	18,101	2,050	39	18,101	
BODY SYSTEMS:														
ASPHYXIATION/CHOKING	15	-	4	4	4	3	22	90,000	-	26	-	6	4,738	
ELECTRIC SHOCK	4	-	28	28	28	6	38	24,000	-	1,034	-	37	782	
POISONING (SYSTEMIC)	-	-	13	13	13	15	28	-	-	44	-	18	18	
OTHER INJURY, NEC	-	-	1	1	1	-	1	-	-	18	-	18	18	
TOTAL OR AVERAGE	19	-	45	46	46	24	89	114,000	-	1,122	-	24	1,771	

PART OF BODY INJURED NATURE OF INJURY	NUMBER OF INJURIES										LOST HOURS/DAYS										AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NOI	TOTAL INJURIES	FATAL	PERMANENT			TEMPORARY	TOTAL NFIDL	TOTAL FATAL AND NFIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIDL						
		TOTAL	PARTIAL	TEMPORARY					TOTAL	PARTIAL													
											TOTAL							PARTIAL					
MULTIPLE PARTS OF BODY:																							
BURN/SCALD (NOT CHEM.)	1	24	24	25	5	30	5,000	-	-	-	-	1,002	7,002	-	42	280							
CHEMICAL BURN	17	166	166	183	23	206	102,000	-	-	-	-	4,234	106,234	-	26	15							
CONTUSION OR BRUISE	-	12	12	12	3	15	-	-	-	-	-	229	229	-	40	581							
CUT OR PUNCTURE	-	1	1	1	-	1	-	-	-	-	-	66	66	-	33	19							
DISLOCATION	-	2	2	2	-	2	-	-	-	-	-	1,800	3,673	1,800	110	304							
ELECT. BURN (CONTACT)	-	17	18	18	4	18	-	-	-	-	-	412	3,673	-	22	204							
FRACTURE	-	19	19	19	7	23	-	-	-	-	-	170	170	-	24	24							
RADIATION/ULTRA VIOLET	-	7	7	7	2	9	-	-	-	-	-	8,010	8,010	-	37	37							
SCALD/ABRASION	-	219	219	219	38	257	66,000	-	-	-	-	19,346	85,346	2,295	46	358							
STRAIN/SPRAIN	11	226	230	241	39	280	-	-	-	-	-	9,180	9,180	-	18	18							
MULTIPLE INJURIES	-	5	5	5	5	5	-	-	-	-	-	32	32	-	54	54							
OTHER INJURY, NEC.	-	88	88	88	22	110	-	-	-	-	-	4,743	4,743	-	40	263							
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
TOTAL OR AVERAGE	29	789	794	823	138	961	174,000	-	-	-	-	31,263	216,263	2,196	40	65							
UNCLASSIFIED:																							
CONTUSION OR BRUISE	-	1	1	1	1	1	-	-	-	-	-	18	18	-	18	18							
UNCLASSIFIED (NO DATA)	-	5	5	5	5	5	-	-	-	-	-	92	92	-	18	18							
TOTAL OR AVERAGE	-	6	6	6	1	7	-	-	-	-	-	110	110	-	18	18							
TOTAL OR AVERAGE:																							
AMPUTATION/ENLAVATION	-	65	65	65	3	68	90,000	-	-	-	-	22,965	22,965	353	6	353							
ASPHYXIATION/CHOKING	15	4	4	4	19	22	6,000	-	-	-	-	2,150	8,150	-	19	4,778							
BURN/SCALD (NOT CHEM.)	1	115	115	116	66	182	-	-	-	-	-	209	209	-	5	5							
CHEMICAL BURN	-	44	44	44	40	84	-	-	-	-	-	682	682	-	28	28							
CONCUSSION (CEREBRAL)	19	1,806	1,806	1,825	24	26	114,000	-	-	-	-	34,679	148,679	-	19	81							
CONTUSION OR BRUISE	-	888	888	890	304	2,219	6,000	-	-	-	-	12,623	19,343	720	14	22							
CUT OR PUNCTURE	1	1	1	1	1,333	2,403	-	-	-	-	-	3	3	-	2	2							
DERMATITIS	2	2	2	2	2	4	-	-	-	-	-	2,359	2,359	-	45	45							
DISLOCATION	-	52	52	52	9	61	-	-	-	-	-	170	170	-	2	2							
DUST IN EYE	4	79	79	79	89	168	24,000	-	-	-	-	1,034	25,034	-	37	782							
ELECTRIC SHOCK	-	26	26	26	3	29	-	-	-	-	-	318	318	-	14	14							

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND SEVERE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1969

WORK LOCATION AND STATE	ELECTRICAL		ENTRANCE		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, FIB, SLICK 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:																						
ALABAMA	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	2	22	-	-	5	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	13	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	13	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	2	107	2	20	15	4	10	5	2	2	13	3	36	133	7	1	3	560	5	623	25	5
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE AT UC:																						
ALABAMA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL 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 KNEELLING ON OBJECT		STRIKING OR CLIPPING		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:																						
ALABAMA	-	40	7	-	-	-	-	-	-	-	38	18	55	13	9	4	8	2	2	-	1	339
ARIZONA	-	24	7	-	-	-	-	-	-	-	22	6	34	15	2	1	1	1	1	-	1	150
COLORADO	-	147	16	-	-	-	-	-	-	-	156	36	240	12	43	2	36	4	9	-	1	1,317
ILLINOIS	-	1	1	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	9
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
KENTUCKY	1	281	40	-	10	-	-	-	4	313	75	142	12	22	4	21	13	1	1	1	25	1,743
MARYLAND	-	4	2	-	-	-	-	-	-	8	1	27	3	4	5	5	7	3	2	-	1	182
NEW MEXICO	-	-	-	-	-	-	-	-	-	22	14	34	20	-	-	-	-	-	-	-	-	1
OHIO	-	22	12	-	-	-	-	-	-	3	1	3	3	-	-	-	-	-	-	-	-	189
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
ANTHRACITE	-	3	-	-	-	-	-	-	-	3	1	1	2	1	-	-	-	-	-	-	-	22
BITUMINOUS	1	122	37	-	-	-	-	-	-	122	57	212	33	2	16	8	27	15	4	1	1	402
ALL COAL	1	125	37	-	-	-	-	-	-	125	58	214	34	2	16	8	27	15	4	1	1	1,153
TENNESSEE	-	24	7	-	-	-	-	-	-	32	7	9	1	6	3	1	3	3	1	1	1	118
UTAH	-	26	41	-	-	-	-	-	-	31	18	29	16	22	5	1	17	4	7	1	6	210
VIRGINIA	1	155	41	-	-	-	-	-	-	181	53	70	22	46	21	3	31	17	3	1	1	1,008
WEST VIRGINIA	-	279	46	-	2	-	-	-	-	293	49	294	22	4	21	3	17	4	3	1	1	303
WYOMING	-	3	-	-	-	-	-	-	-	3	1	4	2	-	-	-	-	-	-	-	-	9
TOTAL	3	1,137	218	-	10	-	-	-	-	3	1	2	1	1	-	-	-	-	-	-	-	6
ANTHRACITE	3	1,137	218	-	10	-	-	-	-	3	1	2	1	1	-	-	-	-	-	-	-	22
BITUMINOUS	3	1,140	218	-	10	-	-	-	-	6	1,240	348	1,164	161	172	34	151	74	12	12	42	8,457
ALL COAL	3	1,140	218	-	10	-	-	-	-	6	1,240	349	1,166	162	172	34	151	74	12	12	42	8,479
SURFACE AT UG:																						
ALABAMA	-	3	-	-	-	-	-	-	-	-	-	4	9	3	-	-	-	-	-	-	-	21
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	1	8	-	-	-	-	-	-	-	-	5
COLORADO	-	2	-	-	-	-	-	-	-	2	2	2	40	1	-	-	-	-	-	-	-	16
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
INDIANA	-	1	-	-	-	-	-	-	-	-	-	-	25	8	4	-	-	-	-	-	-	36
KENTUCKY	-	14	4	-	-	-	-	-	-	7	3	3	1	1	-	-	-	-	-	-	-	2
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
OHIO	-	2	1	-	-	-	-	-	-	1	1	1	5	2	-	-	-	-	-	-	-	16
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
ANTHRACITE	1	2	-	-	-	-	-	-	-	2	-	-	15	2	-	-	-	-	-	-	-	25
BITUMINOUS	1	2	1	-	-	-	-	-	-	2	-	-	16	2	-	-	-	-	-	-	-	26
ALL COAL	1	3	1	-	-	-	-	-	-	2	-	-	16	2	-	-	-	-	-	-	-	51
TENNESSEE	-	3	-	-	-	-	-	-	-	1	2	2	3	9	-	-	-	-	-	-	-	12
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	16	6	-	-	-	-	-	-	-	31
VIRGINIA	-	1	3	-	-	-	-	-	-	4	6	8	47	1	-	-	-	-	-	-	-	66
WEST VIRGINIA	-	10	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	143
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
TOTAL	1	38	11	-	-	-	-	-	-	24	29	171	35	1	14	-	1	3	-	-	1	542
ANTHRACITE	1	38	11	-	-	-	-	-	-	24	29	171	35	1	14	-	1	3	-	-	1	542
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	218
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	219

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

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BUCKING AGENT		FALLING, COLLAPSE OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR RICHALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPROBABLE HAULAGE	
	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL
TOTAL UNDERGROUND:																						
ALABAMA		5		3																		
ARIZONA																						
COLORADO		10		1																		
ILLINOIS		1																				
INDIANA																						
IOWA																						
KENTUCKY		2		8																		
MARYLAND																						
NEV. MEXICO																						
OHIO		2		2																		
OKLAHOMA																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS		14		1																		
ALL COAL		14		1																		
TEXAS		3																				
UTAH																						
VIRGINIA		22		2																		
WEST VIRGINIA		37		7																		
WYOMING																						
TOTAL:	2	120	2	25	4	4	0	0	24	24	13	30	30	13	11	11	5	744	573	28	28	69
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
SURFACE MINES:																						
STRIP:																						
ALABAMA																						
ALASKA																						
ARIZONA																						
COLORADO																						
ILLINOIS		2																				
INDIANA																						
IOWA																						
KANSAS																						
KENTUCKY																						
LOUISIANA																						
MARYLAND																						
MISSOURI																						
MONTANA																						
NEV. MEXICO																						
NORTH DAKOTA																						
OHIO																						
OKLAHOMA																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
TEXAS																						
VIRGINIA																						
WASHINGTON																						
WEST VIRGINIA																						
WYOMING																						
TOTAL:	2	8	2	9	4	4	0	0	24	24	13	30	30	13	11	11	5	744	573	28	28	69
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						

TABLE 12 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BOMBING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		PIPE		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
ALGER:																						
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL BANK:																						
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DREGE:																						
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL 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		NONCOVERED HOUSE	
	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL
TOTAL SURFACE:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WORKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	2	8	4	4	6	4	2	11	1	3	1	17	8	-	14	14	16	456	131	8	4	1
ANTRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	2	8	4	4	6	4	2	11	1	3	1	17	8	-	14	14	16	456	131	8	4	1

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

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPEDIMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELLING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NEDL	FTL	NEDL	FTL	NEDL	FTL	NEDL	FTL	NEDL	FTL	NEDL	FTL	NEDL	FTL	NEDL	FTL	NEDL	FTL	NEDL	FTL	NEDL
TOTAL SURFACE:																						
ALASKA	-	5	-	-	-	-	-	-	-	-	12	1	25	2	-	-	-	-	2	-	1	81
ARIZONA	-	1	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	1	-	2	3
CALIFORNIA	-	1	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	1	-	1	7
COLORADO	-	3	-	-	-	-	-	-	-	-	11	10	42	33	-	-	-	-	1	-	20	122
ILLINOIS	-	8	-	-	-	-	-	-	-	-	13	1	1	1	-	-	-	-	1	-	106	5
INDIANA	-	13	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	-	1	1
IOWA	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	-	1	1
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
KENTUCKY	-	52	-	-	-	-	-	-	-	-	33	20	105	14	-	-	-	-	4	-	362	4
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	4	3
MARYLAND	-	2	-	-	-	-	-	-	-	-	2	1	1	1	-	-	-	-	-	-	2	4
MISSOURI	-	2	-	-	-	-	-	-	-	-	3	3	5	3	-	-	-	-	-	-	20	27
MONTANA	-	2	-	-	-	-	-	-	-	-	4	5	7	7	-	-	-	-	-	-	20	27
NEBRASKA	-	1	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	20	27
NORTH DAKOTA	-	1	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	20	27
OHIO	-	10	-	-	-	-	-	-	-	-	2	2	3	3	-	-	-	-	-	-	20	27
OKLAHOMA	-	4	-	-	-	-	-	-	-	-	2	2	3	3	-	-	-	-	-	-	20	27
PENNSYLVANIA:																						
ANTHRACITE	-	3	-	-	-	-	-	-	-	-	10	19	20	20	-	-	-	-	1	-	172	13
BITUMINOUS	-	16	-	-	-	-	-	-	-	-	17	27	59	9	-	-	-	-	1	-	22	22
ALL COAL	-	19	-	-	-	-	-	-	-	-	27	46	79	29	-	-	-	-	2	-	192	35
TENNESSEE	-	1	-	-	-	-	-	-	-	-	3	2	2	2	-	-	-	-	1	-	17	13
TEXAS	-	1	-	-	-	-	-	-	-	-	9	9	20	17	-	-	-	-	1	-	22	22
VIRGINIA	-	17	-	-	-	-	-	-	-	-	19	2	20	17	-	-	-	-	1	-	115	7
WASHINGTON	-	16	-	-	-	-	-	-	-	-	4	4	8	8	-	-	-	-	1	-	41	41
WEST VIRGINIA	-	11	-	-	-	-	-	-	-	-	37	15	12	12	-	-	-	-	1	-	221	56
WYOMING	-	36	-	-	-	-	-	-	-	-	9	7	12	12	-	-	-	-	1	-	221	56
TOTAL:	3	203	2	2	8	8	-	-	-	-	10	174	490	161	-	-	-	-	1	27	1,821	1,055
ANTHRACITE	-	84	-	-	-	-	-	-	-	-	3	207	512	161	-	-	-	-	1	27	1,821	1,055
BITUMINOUS	-	84	-	-	-	-	-	-	-	-	3	207	512	161	-	-	-	-	1	27	1,821	1,055
ALL COAL	-	84	-	-	-	-	-	-	-	-	3	207	512	161	-	-	-	-	1	27	1,821	1,055

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL 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, STIF 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	7
ARIZONA	1	1	-	-	1	-	-	-	-	-	4	-	10	-	-	-	-	-	-	-	2	1
COLORADO	2	1	-	-	-	-	-	-	-	-	1	-	4	-	-	-	-	-	-	-	13	7
ILLINOIS	3	3	-	-	2	-	-	-	-	-	4	-	17	-	-	-	-	-	-	-	59	18
INDIANA	3	1	-	-	-	-	-	-	-	-	1	-	3	-	-	-	-	-	-	-	17	12
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	14	4	-	-	1	-	-	-	-	-	20	-	42	-	-	-	-	-	-	-	186	2
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	3	3
MISSOURI	1	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	6	1
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	1
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	5	3
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	1
OHIO	-	-	-	-	-	-	-	-	-	-	1	-	9	-	-	-	-	-	-	-	1	11
PENNSYLVANIA	1	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	24	25
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	8	1	-	-	-	-	-	-	-	-	5	-	31	-	-	-	-	-	-	-	94	27
ALL COAL	2	2	-	-	-	-	-	-	-	-	3	-	46	-	-	-	-	-	-	-	123	37
TENNESSEE	10	3	-	-	-	-	-	-	-	-	8	-	77	-	-	-	-	-	-	-	217	64
TEXAS	2	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	6	4
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	8	5	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	12	1
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	98	82
WYOMING	13	4	-	-	2	-	-	-	-	-	1	-	65	-	-	-	-	-	-	-	208	4
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	5	1	-	-	-	-	-	-	-	-	5	-	31	-	-	-	-	-	-	-	94	27
BITUMINOUS	51	18	-	-	6	-	-	-	-	-	56	-	233	-	-	-	-	-	-	-	787	364
ALL COAL	59	19	-	-	6	-	-	-	-	-	61	-	264	-	-	-	-	-	-	-	881	391

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL 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		3																				
ALASKA		5																				
ARIZONA		1																				
COLORADO		14																				
ILLINOIS		1																				
INDIANA		1																				
IOWA																						
KANSAS		2																				
KENTUCKY		31																				
LOUISIANA		1																				
MARYLAND																						
MISSOURI																						
MONTANA																						
NEVADA																						
NEW YORK																						
NORTH DAKOTA																						
OHIO		4																				
OKLAHOMA																						
PENNSYLVANIA:																						
ANTHRACITE																						
BITUMINOUS		15																				
ALL COAL		3																				
TEXAS		3																				
UTAH		1																				
VIRGINIA		24																				
WASHINGTON																						
WEST VIRGINIA		42																				
WYOMING		2																				
TOTAL:																						
ANTHRACITE		4																				
BITUMINOUS		142																				
ALL COAL		142																				
OFFICE:																						
ALABAMA																						
COLORADO																						
ILLINOIS																						
KENTUCKY																						
OHIO																						
PENNSYLVANIA:																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
UTAH																						
VIRGINIA																						
WEST VIRGINIA																						
WYOMING																						
TOTAL:																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						

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

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		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
TOTAL MINES AND PLANTS:																				
ALABAMA	48	8	-	-	-	-	-	-	25	1	112	19	-	-	8	3	-	-	2	471
ALASKA	-	-	-	-	-	-	-	-	54	1	1	-	-	-	-	-	-	-	3	1
ARIZONA	2	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	2	3
COLORADO	29	12	-	-	-	-	-	-	24	10	50	21	-	-	-	-	-	-	1	97
ILLINOIS	160	18	-	-	-	-	-	-	173	54	341	29	-	-	37	5	-	-	3	1,560
INDIANA	18	8	-	-	-	-	-	-	16	16	36	9	-	-	-	-	-	-	1	306
INDIANA	1	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	3	90
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
KENTUCKY	2	362	-	-	-	-	-	-	373	107	315	44	-	-	-	-	-	-	1	4
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	2,389
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	611
MISSOURI	7	2	-	-	-	-	-	-	8	1	36	4	-	-	-	-	-	-	1	4
MONTANA	2	1	-	-	-	-	-	-	2	6	6	3	-	-	-	-	-	-	97	23
NE MEXICO	3	1	-	-	-	-	-	-	3	7	8	3	-	-	-	-	-	-	21	14
NEW YORK	7	1	-	-	-	-	-	-	4	11	8	6	-	-	-	-	-	-	32	27
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	50
OHIO	1	5	-	-	-	-	-	-	5	3	5	-	-	-	-	-	-	-	1	-
OKLAHOMA	35	20	-	-	-	-	-	-	44	30	85	38	-	-	-	-	-	-	24	340
PENNSYLVANIA	4	-	-	-	-	-	-	-	5	2	12	2	-	-	6	8	-	-	5	2
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	31
ANTHRACITE	1	14	-	-	-	-	-	-	18	7	56	15	-	-	-	-	-	-	1	177
BITUMINOUS	139	49	-	-	-	-	-	-	154	81	342	64	-	-	1	25	-	-	25	60
ALL COAL	2	153	-	-	-	-	-	-	172	88	398	79	-	-	29	25	-	-	1	509
TEXAS	30	1	-	-	-	-	-	-	37	9	20	5	-	-	30	25	-	-	2	1,686
UTAH	17	14	-	-	-	-	-	-	19	32	20	21	-	-	1	1	-	-	11	158
VIRGINIA	35	8	-	-	-	-	-	-	32	22	34	8	-	-	2	3	-	-	6	141
WASHINGTON	1	52	-	-	-	-	-	-	202	87	133	52	-	-	1	2	-	-	2	232
WEST VIRGINIA	1	11	-	-	-	-	-	-	4	10	8	11	-	-	18	6	-	-	1	115
WYOMING	1	339	-	-	-	-	-	-	351	80	477	55	-	-	34	1	-	-	8	1,238
WYOMING	11	9	-	-	-	-	-	-	13	8	18	11	-	-	4	1	-	-	5	454
TOTAL:	1	14	-	-	-	-	-	-	7	-	56	15	-	-	-	-	-	-	1	177
ANTHRACITE	5	331	-	-	-	-	-	-	604	1	2,069	412	-	-	1	1	-	-	56	61
BITUMINOUS	1,432	332	-	-	-	-	-	-	1,546	611	2,125	427	-	-	164	74	-	-	119	11,457
ALL COAL	6	1,446	-	-	-	-	-	-	1,546	611	2,125	427	-	-	165	74	-	-	58	12,634
OFFICE:																				
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PENNSYLVANIA:																				
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL 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	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL
GRAND TOTAL:	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	14	1	-	-	2	1	-	-	3	1	11	1	114	13	1	1	58	156	123	72	2	2
INDIANA	1	-	-	-	1	-	-	-	-	-	1	2	1	-	2	3	33	32	15	17	-	1
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	2	31	9	-	9	3	12	2	3	2	34	6	151	39	12	832	160	167	161	7	2	2
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	7	-	-	-	-
MARYLAND	1	-	-	-	-	-	-	-	-	-	1	1	8	2	1	30	9	7	7	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	15	9	1	3	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	19	5	6	-	-	-
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
NEW HAMPSHIRE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	117	34	59	1	-	-
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99	5	5	5	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	117	34	59	1	-	-
OHIO	4	31	-	-	-	2	-	-	-	-	3	3	11	9	2	5	7	5	5	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	15	3	-	-	1	-	-	-	5	1	17	4	49	11	2	61	22	18	13	1	2	1
ALL COAL	15	3	1	1	2	-	-	-	5	1	17	4	52	11	2	583	223	123	94	4	5	3
TEXAS	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	644	243	141	107	-	-	-
UTAH	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	10	14	7	-	-	-
VIRGINIA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	38	16	27	-	-	-
WASHINGTON	24	2	-	-	1	1	-	-	1	1	9	6	6	23	3	84	44	17	19	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	5	1	20	6	80	23	-	425	124	113	94	-	6	3
WYOMING	42	2	-	-	2	-	5	3	10	2	39	4	130	27	5	960	188	214	115	-	5	1
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	4	142	32	1	1	10	2	21	28	10	155	38	585	133	31	61	21	18	13	1	14	15
BITUMINOUS	4	142	32	1	1	23	2	21	28	10	155	38	585	133	31	3,953	1,231	917	775	32	33	33
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL 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:	1	48	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ALABAMA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ALASKA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ARIZONA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
COLORADO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ILLINOIS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
INDIANA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IOAH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KANSAS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KENTUCKY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LOUISIANA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MARYLAND	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MISSOURI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MONTANA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEH MEXICO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEW YORK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NORTH DAKOTA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OHIO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OKLAHOMA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PENNSYLVANIA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ANTHRACITE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BITUMINOUS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ALL COAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TENNESSEE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TEXAS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UTAH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
VIRGINIA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WASHINGTON	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WEST VIRGINIA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WORKING	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ANTHRACITE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BITUMINOUS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ALL COAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL COAL 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		HANDING 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:																						
ALABAMA	-	26	-	-	-	26	-	-	-	47	223	6,000	409	-	-	4	2,816	428	-	65	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	134	-	2,130	-	-	-	838	174	-	1	-	-
CALIFORNIA	-	354	-	-	-	6	-	-	-	-	274	-	3,462	-	-	-	12,948	2,341	-	61	-	-
ILLINOIS	-	38	-	-	-	-	-	-	-	-	-	-	44	-	-	-	32	27	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	12,000	435	-	-	-	57	-	75	-	52	1,172	48,000	4,586	-	-	43	19,388	1,933	-	64	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	4	-	127	-	-	-	837	40	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	2	-	-	-	-	-	-	-	-	-	-	654	-	-	-	2,101	356	-	79	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	83	54	-	-	-	-
BITUMINOUS	-	548	-	293	-	2	-	-	-	119	421	-	3,239	-	17	-	15,958	3,129	-	215	-	-
ALL COAL	-	548	-	293	-	2	-	-	-	119	421	-	3,261	-	17	-	16,041	3,183	-	215	-	-
ALL COAL	-	548	-	293	-	2	-	-	-	119	421	-	3,261	-	17	-	16,041	3,183	-	215	-	-
TENNESSEE	-	69	-	-	-	-	-	-	-	24	156	6,000	175	-	-	-	713	82	-	119	-	-
UTAH	-	337	-	-	-	47	-	30	-	243	550	18,000	2,810	-	3	-	1,416	195	-	116	-	-
VIRGINIA	-	447	-	-	-	1	-	78	-	246	1,006	24,000	4,649	-	2	-	9,983	1,717	-	103	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27,018	3,212	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	116	143	-	-	-	-
TOTAL:	12,000	2,258	-	293	-	139	-	183	-	731	12,000	102,000	22,388	-	-	-	83	54	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	2,258	-	293	-	139	-	183	-	731	12,000	102,000	22,388	-	-	-	94,164	13,777	-	823	-	-
ALL COAL	-	2,258	-	293	-	139	-	183	-	731	12,000	102,000	22,410	-	-	-	94,247	13,831	-	823	-	-
SURFACE AT LG:																						
ALABAMA	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	206	10	-	23	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	843	37	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,236	334	-	-	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	199	23	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1,123	139	-	-	-	-
ALL COAL	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1,123	139	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119	1	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	-	-	-	-	-
VIRGINIA	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	919	263	-	18	-	-
WEST VIRGINIA	-	175	-	-	-	-	-	-	-	19	-	-	-	-	-	-	1,477	293	-	200	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,823	21	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	265	-	-	-	-	-	-	-	21	-	-	-	-	-	-	7,992	1,121	-	241	-	-
ALL COAL	-	265	-	-	-	-	-	-	-	21	-	-	-	-	-	-	7,992	1,121	-	241	-	-

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

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPLODMENT		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:																						
ALABAMA	-	2,227	-	-	-	-	-	-	-	-	-	1,416	-	3,272	-	164	-	263	-	13	5,000	11,347
ALASKA	-	1,388	-	-	-	-	-	-	-	-	6,000	630	-	815	-	7	-	144	-	8	6,000	6,318
ARIZONA	-	6,578	33	-	-	-	-	-	-	-	-	4,583	-	9,902	-	1,524	-	782	6,000	452	6,000	43,310
ARIZONA	-	3	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	6,000	149
ARIZONA	-	6,000	-	-	60,000	-	-	-	-	-	-	56	-	-	-	-	-	-	-	-	150,000	56
ARIZONA	-	17,159	53	-	-	-	-	-	-	-	24,000	11,373	-	3,994	-	436	-	701	-	285	6,000	61,806
ARIZONA	-	104	-	-	-	-	-	-	-	-	35	653	-	653	-	-	-	-	-	-	6,000	1,800
ARIZONA	-	614	-	-	-	-	-	-	-	-	1,061	138	-	1,060	-	39	-	53	-	109	6,000	1,38
ARIZONA	-	-	-	-	-	-	-	-	-	-	88	42	-	42	-	-	-	-	-	-	6,000	6,130
ARIZONA	-	168	-	-	-	-	-	-	-	-	120	26	-	26	-	-	-	-	-	-	6,000	473
ARIZONA	-	5,282	-	-	-	-	-	-	-	-	4,275	9,509	-	9,509	-	384	-	1,199	-	721	6,000	45,311
ARIZONA	-	5,450	-	-	-	-	-	-	-	-	4,335	9,535	-	9,535	-	384	-	1,199	-	721	6,000	45,784
ARIZONA	-	1,307	-	-	-	-	-	-	-	-	1,114	65	-	65	-	42	-	14	-	100	6,000	3,877
ARIZONA	-	776	-	-	-	-	-	-	-	-	1,061	447	-	447	-	133	-	24	-	135	6,000	4,472
ARIZONA	-	16,174	-	-	-	-	-	-	-	-	6,000	8,577	-	2,339	-	481	-	276	-	244	6,000	44,067
ARIZONA	-	9,329	-	-	-	-	-	-	-	-	12,439	9,897	-	9,897	-	992	-	746	-	1,819	24,000	71,982
ARIZONA	-	47	-	-	-	-	-	-	-	-	37	79	-	79	-	-	-	-	-	-	24,000	71,982
ARIZONA	-	168	-	-	-	-	-	-	-	-	120	26	-	26	-	-	-	-	-	-	252,000	473
ARIZONA	-	60,983	86	-	60,000	68	-	-	-	-	36,000	46,852	-	42,142	-	4,202	-	4,202	6,000	3,886	301,353	301,353
ARIZONA	-	61,151	86	-	60,000	68	-	-	-	-	36,000	46,982	-	42,168	-	4,202	-	4,202	6,000	3,886	301,353	301,353
SURFACE AT LG:																						
ALABAMA	-	35	-	-	-	-	-	-	-	-	-	35	-	177	-	-	-	-	-	-	6,000	438
ALABAMA	-	68	-	-	-	-	-	-	-	-	72	225	-	225	-	42	-	-	-	-	6,000	268
ALABAMA	-	28	-	-	-	-	-	-	-	-	-	1,746	-	1,746	-	45	-	-	-	1	6,000	2,817
ALABAMA	-	369	-	-	-	-	-	-	-	-	100	456	-	456	-	88	-	-	-	1	6,000	73
ALABAMA	-	46	-	-	-	-	-	-	-	-	8	205	-	205	-	-	-	-	-	-	6,000	2,653
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	182
ALABAMA	-	158	-	-	-	-	-	-	-	-	-	28	-	28	-	-	-	-	-	-	6,000	501
ALABAMA	-	158	-	-	-	-	-	-	-	-	11	553	-	553	-	-	-	-	-	-	6,000	28
ALABAMA	-	162	-	-	-	-	-	-	-	-	11	561	-	561	-	6	-	-	-	-	6,000	1,967
ALABAMA	-	41	-	-	-	-	-	-	-	-	36	35	-	35	-	7	-	-	-	-	6,000	2,015
ALABAMA	-	392	-	-	-	-	-	-	-	-	116	427	-	427	-	374	-	-	-	-	6,000	345
ALABAMA	-	-	-	-	-	-	-	-	-	-	60	2,042	-	2,042	-	28	-	-	-	1	6,000	1,803
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-	6,000	5,058
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	1,875
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	28
ALABAMA	-	1,301	-	-	-	-	-	-	-	-	438	6,108	-	6,108	-	590	-	-	-	3	6,000	18,143
ALABAMA	-	1,301	-	-	-	-	-	-	-	-	438	6,136	-	6,136	-	590	-	-	-	3	12,000	18,171

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL COAL 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		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 UNDERGROUND:																						
ALABAMA		36				26				47	223	6,000	403				3,022	438			65	
COLORADO											134		2,130				843	174			24	
ILLINOIS		354				6					274		3,462				13,791	2,378			61	
INDIANA		38											44				32	27				
IOWA																						
KENTUCKY		502				57				52	1,172	48,000	4,585				20,624	2,267			64	
MARYLAND											4		127				837	40				
NEW MEXICO																						
OHIO		2											654				2,300	379			79	
OKLAHOMA																						
PENNSYLVANIA:																						
ANTHRACITE													22				83	54				
BITUMINOUS		549		293						121	421		3,239				17,081	3,268			215	
ALL COAL		549		293		2				121	421		3,261				17,164	3,322			215	
ALL COAL		69								97		6,000	175				832	83			119	
TENNESSEE										24	156		103				1,458	195				
UTAH		2								243	6,000	18,000	2,810				10,502	1,990			134	
VIRGINIA		349				47				265	1,006	24,000	4,649				28,495	3,505			303	
WEST VIRGINIA		622				1					20						1,939	164				
WYOMING																						
TOTAL:																						
ANTHRACITE													22				83	54				
BITUMINOUS		2,523		293		139				752	4,097	102,000	22,388				102,156	14,898			1,064	
ALL COAL		2,523		293		139				752	4,097	102,000	22,410				102,239	14,952			1,064	
SURFACE MINES:																						
STRIP:																						
ALABAMA											60						408	108				
ALASKA																						
ARIZONA		6,000																6,000	30			
COLORADO																	113	76				
ILLINOIS		50								3							818	456				
INDIANA										1							472	52				
IOWA																	172					
KANSAS																	5					
KENTUCKY		4				125					6						2,652	692			8	
LOUISIANA		6															8					
MARYLAND																	48					
MISSOURI																	62					
MONTANA																	482					
NEW MEXICO																	479	85				
NORTH DAKOTA																	82					
OHIO		3									244						334	163				
OKLAHOMA																	42	149				
PENNSYLVANIA:																						
ANTHRACITE																	335	636				
BITUMINOUS		38															1,105	107				
ALL COAL		38															1,530	833				
TENNESSEE											34						379	34				
TEXAS		4															343	235				
VIRGINIA											151						446	37				
WASHINGTON						3											512	34				
WEST VIRGINIA		13				10				103	211						1,675	123				
WYOMING																	400	50				
TOTAL:																						
ANTHRACITE																	335	636			8	
BITUMINOUS		118				138				103	710						11,127	2,521			8	
ALL COAL		118				138				103	710						11,462	3,157			8	

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL COAL 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 UNDERGROUND:																							
ALABAMA	-	2,257	-	-	-	-	-	-	-	-	-	1,416	-	3,449	-	164	263	-	13	6,000	11,785		
COLORADO	-	1,388	-	-	-	-	-	-	-	-	-	567	-	1,040	-	7	144	-	8	6,000	6,606		
ILLINOIS	-	6,646	-	33	-	8	-	-	-	-	-	4,665	-	11,648	-	1,566	782	-	453	6,000	46,127		
INDIANA	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	45	-	-	-	-	222		
IOWA	-	-	-	-	-	-	-	-	-	-	-	56	-	-	-	-	-	-	-	-	56		
KENTUCKY	6,000	17,528	-	53	60,000	-	-	-	-	-	24,000	11,473	-	4,450	-	524	701	-	286	156,000	64,469		
MARYLAND	-	104	-	-	-	-	-	-	-	-	-	35	-	-	-	-	-	-	-	6,000	1,982		
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	138	-	-	-	-	-	-	-	-	138		
OHIO	-	662	-	-	-	-	-	-	-	-	-	1,069	-	1,265	-	39	53	-	109	-	6,629		
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	88	-	42	-	-	-	-	-	-	130		
PENNSYLVANIA:																							
ANTHRACITE	6,000	189	-	-	-	-	-	-	-	-	120	-	-	54	-	-	-	-	-	6,000	501		
BITUMINOUS	6,000	5,440	-	-	-	-	-	-	-	-	4,286	-	-	10,062	-	384	1,199	-	721	6,000	47,298		
ALL COAL	12,000	5,629	-	-	-	-	-	-	-	-	4,406	-	-	10,116	-	768	2,398	-	1,442	12,000	95,096		
TENNESSEE	-	1,469	-	-	-	-	-	-	-	-	-	1,114	-	-	-	48	14	-	100	6,000	4,242		
UTAH	-	77	-	-	-	-	-	-	-	-	-	1,097	-	-	-	133	24	-	135	6,000	4,585		
VIRGINIA	6,000	16,215	-	-	-	-	-	-	-	-	6,000	8,793	-	2,765	-	488	276	-	244	36,000	45,870		
WEST VIRGINIA	-	9,721	-	-	-	68	-	-	-	-	-	12,489	-	11,869	-	1,366	758	-	1,820	24,000	77,644		
WYOMING	-	47	-	-	-	-	-	-	-	-	-	57	-	62	-	28	-	-	-	-	2,317		
TOTAL:	6,000	189	-	-	-	-	-	-	-	-	120	-	54	-	-	-	-	-	-	6,000	501		
ANTHRACITE	18,000	62,284	-	86	60,000	76	-	-	-	-	36,000	47,300	-	48,250	-	4,792	4,214	-	3,889	236,000	319,496		
BITUMINOUS	24,000	62,452	-	86	60,000	76	-	-	-	-	36,000	47,420	-	48,304	-	4,792	4,214	-	3,889	264,000	319,997		
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SURFACE MINES:																							
ALABAMA	-	79	-	-	-	-	-	-	-	-	-	351	-	452	-	21	-	-	3	6,000	1,542		
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	1	-	4	-	-	-	-	7	12,000	12		
COLORADO	-	26	-	-	-	-	-	-	-	-	-	54	-	56	-	-	-	-	5	6,000	276		
ILLINOIS	-	551	-	-	-	-	-	-	-	-	-	203	-	2,472	-	95	-	-	37	6,000	4,688		
INDIANA	-	476	-	35	-	18	-	-	-	-	-	625	-	1,247	-	73	-	-	40	6,000	3,094		
IOWA	-	45	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	6,000	227		
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	6		
KENTUCKY	6,000	2,267	-	-	-	11	-	-	-	-	12,000	1,143	-	2,757	-	82	10	-	368	24,000	10,450		
LOUISIANA	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	19		
MARYLAND	-	69	-	-	-	-	-	-	-	-	-	39	-	91	-	-	-	-	6	-	154		
MISSOURI	-	27	-	-	-	-	-	-	-	-	-	31	-	132	-	-	-	-	-	-	310		
MONTANA	-	235	-	-	-	31	-	-	-	-	-	56	-	6,136	-	-	-	-	-	-	6,707		
NEW MEXICO	-	27	-	-	-	-	-	-	-	-	-	27	-	-	-	4	-	-	-	-	941		
NORTH DAKOTA	-	17	-	-	-	-	-	-	-	-	-	56	-	82	-	-	-	-	-	-	172		
OHIO	-	344	-	29	-	29	-	-	-	-	6,000	588	-	1,147	-	28	3	-	2	12,000	3,165		
OKLAHOMA	-	67	-	-	-	-	-	-	-	-	-	2	-	79	-	-	-	-	-	-	339		
PENNSYLVANIA:																							
ANTHRACITE	105	105	-	-	-	-	-	-	-	-	209	-	-	780	-	74	-	-	5	-	2,070		
BITUMINOUS	399	399	-	-	-	-	-	-	-	-	263	-	-	2,425	-	74	-	-	199	-	4,805		
ALL COAL	504	504	-	-	-	-	-	-	-	-	472	-	-	3,205	-	74	-	-	204	-	6,875		
TENNESSEE	34	34	-	-	-	-	-	-	-	-	126	-	-	535	-	-	-	-	-	-	1,142		
TEXAS	70	70	-	-	-	-	-	-	-	-	345	-	-	378	-	30	6	-	39	-	1,450		
VIRGINIA	199	199	-	-	-	-	-	-	-	-	300	-	-	254	-	-	-	-	-	-	1,433		
WASHINGTON	343	343	-	-	-	-	-	-	-	-	66	-	-	324	-	-	-	-	-	-	1,288		
WEST VIRGINIA	1,960	1,960	-	-	-	2	-	-	-	-	1,202	-	-	2,256	-	22	6	-	111	18,000	7,781		
WYOMING	435	435	-	-	-	18	-	-	-	-	263	-	-	322	-	56	36	-	32	-	1,576		
TOTAL:	105	105	-	-	-	-	-	-	-	-	209	-	780	-	-	-	-	-	5	-	2,070		
ANTHRACITE	12,000	7,667	-	35	-	109	-	-	-	-	18,000	5,685	-	6,000	-	531	58	-	-	6,000	84,000	51,772	
BITUMINOUS	12,000	7,772	-	35	-	109	-	-	-	-	18,000	5,884	-	6,000	-	531	58	-	-	6,000	84,000	53,842	
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL COAL 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
ALGER:																						
KENTUCKY-----																						
OHIO-----																						
WEST VIRGINIA-----																						
TOTAL:																						
ANTHRACITE-----																						
BITUMINOUS-----																						
ALL COAL-----																						
COLUMBIAN:																						
ILLINOIS:																						
PENNSYLVANIA:																						
ANTHRACITE-----																						
BITUMINOUS-----																						
ALL COAL-----																						
WEST VIRGINIA-----																						
TOTAL:																						
ANTHRACITE-----																						
BITUMINOUS-----																						
ALL COAL-----																						
TOTAL SURFACE:																						
ALABAMA-----																						
ALASKA-----																						
ARIZONA-----																						
COLORADO-----																						
ILLINOIS-----																						
INDIANA-----																						
IOWA-----																						
KANSAS-----																						
KENTUCKY-----																						
LOUISIANA-----																						
MARYLAND-----																						
MISSOURI-----																						
MONTANA-----																						
NEW MEXICO-----																						
NORTH DAKOTA-----																						
OHIO-----																						
OKLAHOMA-----																						
PENNSYLVANIA:																						
ANTHRACITE-----																						
BITUMINOUS-----																						
ALL COAL-----																						
TENNESSEE-----																						
TEXAS-----																						
VIRGINIA-----																						
WASHINGTON-----																						
WEST VIRGINIA-----																						
WYOMING-----																						
TOTAL:																						
ANTHRACITE-----																						
BITUMINOUS-----																						
ALL COAL-----																						

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

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		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
ALGER:																				
KENTUCKY		21								219		21							177	
OHIO		3							137		6							235		
WEST VIRGINIA																		258		
TOTAL:																				
ANTHRACITE										356		27							670	
BITUMINOUS		24							356		27							670		
ALL COAL		24																		
COAL BANK:																				
ILLINOIS											43							43		
PENNSYLVANIA:										31		196						281		
ANTHRACITE										31		196						281		
BITUMINOUS										4		8						45		
ALL COAL																				
WEST VIRGINIA		23																		
TOTAL:																				
ANTHRACITE		23							31		196							281		
BITUMINOUS		23							4		51							88		
ALL COAL									35		247							369		
TOTAL SURFACE:																				
ALABAMA		79							351		452		21				3	1,542		
ALASKA									1		4						7	12		
ARIZONA		9							54		92							185		
COLORADO		26									56						5	276		
ILLINOIS		551							203		2,515		95				37	4,741		
INDIANA		476							625		1,247		73				40	3,094		
IOHA		45									10							227		
KANSAS																		6		
KENTUCKY		2,288							1,143		2,778		82				388	10,627		
LOUISIANA												5						19		
MARYLAND		15									91							154		
MISSOURI		69							39		132						6	310		
MONTANA		27							31		6,136							6,707		
NEW MEXICO		235							56		82		4					941		
NORTH DAKOTA		17							27		5		41					172		
OHIO		347							807		1,147		28				2	3,400		
OKLAHOMA		67							2		79							339		
PENNSYLVANIA:																				
ANTHRACITE		105							240		976						5	2,351		
BITUMINOUS		339							263		2,425		74				195	4,895		
ALL COAL		504							503		3,401		74				204	7,156		
TEXAS		34							126		535		30					1,142		
UTAH		70							345		378						39	1,450		
VIRGINIA		199							300		254							1,433		
WASHINGTON		343							166		334							1,288		
WEST VIRGINIA		1,983							1,343		2,270		22				111	8,084		
WYOMING		435							263		322		56				32	1,576		
TOTAL:																				
ANTHRACITE		105							240		976						5	2,351		
BITUMINOUS		7,714							6,045		21,335		531					849		
ALL COAL		7,819							6,285		22,311		531					854		

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL COAL 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	-	36	-	-	-	26	-	-	-	-	283	6,000	409	-	-	64	-	3,430	-	546	-	65
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	6,000	-	-	-	-	-	-	-	-	-	134	-	2,130	-	-	-	-	956	30	30	-	24
COLORADO	6,000	404	-	-	6	-	-	-	47	-	277	-	3,462	-	13	-	14,609	2,834	250	-	61	
ILLINOIS	-	-	-	-	-	-	-	-	-	-	1	-	44	-	55	-	504	79	-	-	-	-
INDIANA	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	172	-	-	-	-	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
KANSAS	12,000	506	-	-	182	-	250	-	52	-	1,178	48,000	4,566	-	195	-	23,276	3,094	-	-	72	-
KENTUCKY	-	6	-	-	-	-	-	-	-	-	4	-	127	-	-	-	8	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	40	-	-	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	482	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	479	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	-	-	-	-	-
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,641	-	-	-	-	-
OKLAHOMA	5	-	-	-	-	-	9	-	-	-	250	-	654	-	292	-	42	-	-	-	79	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	293	-	2	-	-	-	121	-	421	-	22	-	32	-	429	-	733	-	215	-
BITUMINOUS	587	293	293	-	2	-	-	-	121	-	421	-	3,239	-	32	-	18,276	-	3,465	-	215	-
ALL COAL	587	587	587	-	2	-	-	-	121	-	421	6,000	3,261	-	32	-	18,705	-	4,198	-	215	-
ARIZONA	69	-	-	-	-	-	-	-	-	-	131	-	175	-	-	-	1,211	-	117	-	119	-
TEXAS	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	343	-	235	-	-	-
UTAH	2	-	-	-	47	-	40	-	24	-	156	18,000	103	-	39	-	1,458	-	195	-	-	-
VIRGINIA	349	-	-	-	3	-	-	-	243	-	741	-	2,810	-	-	-	11,348	-	2,017	-	-	-
WASHINGTON	-	-	-	-	11	-	118	-	368	-	1,265	24,000	4,649	-	32	-	512	-	34	-	-	-
WEST VIRGINIA	635	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	30,209	-	3,655	-	303	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,339	-	214	-	-	-
TOTAL:	24,000	2,641	293	-	277	-	427	-	855	-	4,862	102,000	22,368	22	-	-	429	-	733	-	1,072	-
ANTHRACITE	24,000	2,641	293	-	277	-	427	-	855	-	4,862	102,000	22,368	22	-	-	113,329	-	17,581	-	1,072	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDEPENDENT SHOPS:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INMUNATION		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		2,336									1,767		6,000	3,901							12,000	13,327
ALASKA														4								12
ARIZONA		9									54			92							12,000	185
COLORADO		1,414									6,000			1,046							6,000	6,882
ILLINOIS		7,197									4,888			14,163							12,000	50,868
INDIANA		507									630			1,247							6,000	3,316
IOWA		45									56			10							6,000	283
KANSAS																						5
KENTUCKY		19,816									12,616			7,228							180,000	75,096
LOUISIANA																						19
MARYLAND		119									35			926							6,000	2,136
MISSOURI		68									39			132								310
MONTANA		27									31			6,136								6,707
NEVADA		235									36			220								1,079
NORTH DAKOTA		17									27			5								172
OHIO		1,009									1,876			2,412							12,000	10,029
OKLAHOMA		67									90			121								468
PENNSYLVANIA:																						
ANTHRACITE		273									360			1,030							6,000	2,852
BITUMINOUS		5,839									4,549			12,487							6,000	52,103
ALL COAL		6,112									4,908			13,517							12,000	54,955
TENNESSEE		1,503									1,240			687							6,000	5,394
TEXAS		70									345			378							6,000	1,450
UTAH		776									1,097			462							6,000	4,595
VIRGINIA		16,414									9,083			3,020							36,000	47,303
WASHINGTON		343									66			324								1,298
WEST VIRGINIA		11,704									13,842			14,139							42,000	86,124
WYOMING		482									300			404								3,853
TOTAL:																						
ANTHRACITE		273									360			1,030							6,000	2,852
BITUMINOUS		59,998									53,345			69,585							342,000	372,025
ALL COAL		70,271									53,705			70,615							348,000	374,878
INDEPENDENT STATES:																						
ALABAMA																						
ILLINOIS		10																				
KENTUCKY																						
OHIO		34									30			46								
VIRGINIA		87									74			65								
WEST VIRGINIA																						
TOTAL:																						
ANTHRACITE		131									104			25								
BITUMINOUS		131									104			25								
ALL COAL																						

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

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BURNING 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	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL
PROCESSING PLANTS:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	147	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,000	345	-	-	-	-
ILLINOIS	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-
INDIANA	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,100	-	-	-	-
KENTUCKY	-	113	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	51	-	-	-	14
KYENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220	-	-	-	-
OHIO	-	5	-	-	-	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,430	-	-	-	10
ANTHRACITE	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	328	-	-	-	-
BITUMINOUS	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	2,882	-	-	-	10
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	449	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	-	-	-	-
VIRGINIA	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	-	-	22
WEST VIRGINIA	-	101	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	837	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,120	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-
ANTHRACITE	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	1,430	-	-	-	10
BITUMINOUS	-	237	-	-	-	14	-	-	-	45	-	-	-	-	-	-	-	9,069	-	-	-	118
ALL COAL	-	237	-	-	-	17	-	-	-	45	-	-	-	-	-	-	-	10,499	-	-	-	128

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL COAL 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
PROCESSING PLANTS:																						
ALABAMA-----	-	-	-	-	-	4	-	-	-	-	-	118	-	-	-	-	-	-	-	-	720	5
ARIZONA-----	-	1	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	262	5
COLORADO-----	-	15	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	5	-	1,578	307
ILLINOIS-----	-	141	-	-	-	22	-	-	-	-	-	63	-	-	-	10	-	-	-	-	5,000	-
INDIANA-----	-	124	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	33
KANSAS-----	-	-	-	-	-	-	-	-	-	-	-	33	-	-	-	-	-	-	-	-	-	5,268
KENTUCKY-----	-	409	-	-	-	9	-	-	-	-	-	350	-	-	-	97	-	-	-	-	-	318
MARYLAND-----	-	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	117
MONTANA-----	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	598
OHIO-----	-	23	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	4,478
PENNSYLVANIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,797
ANTHRACITE-----	-	495	-	-	-	-	-	-	-	-	-	97	-	-	-	-	-	-	-	-	-	129
BITUMINOUS-----	-	164	-	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-	-	-	129
ALL COAL-----	-	659	-	-	-	-	-	-	-	-	-	133	-	-	-	-	-	-	-	-	-	68
TENNESSEE-----	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	191
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
VIRGINIA-----	-	331	-	-	-	-	-	-	-	-	-	135	-	-	-	5	-	-	-	-	-	12,000
WEST VIRGINIA-----	-	229	-	-	-	10	-	-	-	-	-	191	-	-	-	42	-	-	-	-	-	5,851
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	-	-	232
TOTAL-----	-	495	-	-	-	-	-	-	-	-	-	97	-	-	-	45	-	-	-	-	-	4,478
ANTHRACITE-----	-	1,544	-	-	-	45	-	-	-	-	-	1,146	-	-	-	197	-	-	-	-	-	24,000
BITUMINOUS-----	-	2,039	-	-	-	45	-	-	-	-	-	1,243	-	-	-	242	-	-	-	-	-	23,983
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28,461

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

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPAIRMENT		FLOODING		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	-	2,336	-	-	-	4	-	-	-	-	-	1,885	6,000	4,485	-	185	-	-	-	16	12,000	14,177
ALASKA	-	-	-	-	-	-	-	-	-	-	-	1	-	4	-	-	-	-	-	7	-	12
ARIZONA	-	10	-	-	-	-	-	-	-	-	-	58	-	92	-	-	-	-	-	-	12,000	190
COLORADO	-	1,429	-	-	-	-	-	-	-	-	-	689	-	1,162	-	7	-	-	-	18	5,000	7,144
ILLINOIS	-	7,338	-	33	-	30	-	-	-	-	-	4,933	-	14,975	-	1,571	-	-	-	490	18,000	52,667
INDIANA	-	631	-	35	-	18	-	-	-	-	-	636	-	1,265	-	118	-	-	-	40	6,000	3,703
IDAHO	-	45	-	-	-	-	-	-	-	-	-	56	-	10	-	-	-	-	-	-	-	283
KANSAS	-	-	-	-	-	-	-	-	-	-	-	33	-	1	-	-	-	-	-	-	-	39
KENTUCKY	12,000	20,235	-	53	60,000	20	-	-	-	-	36,000	12,966	-	8,363	-	703	-	-	-	659	180,000	80,404
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,000	19
MARYLAND	-	181	-	-	-	-	-	-	-	-	-	35	-	1,131	-	5	-	-	-	-	-	2,454
MISSOURI	-	69	-	-	-	-	-	-	-	-	-	39	-	132	-	-	-	-	-	6	-	313
MONTANA	-	36	-	-	-	31	-	-	-	-	-	31	-	6,169	-	-	-	-	-	-	-	6,804
NEVADA	-	235	-	-	-	-	-	-	-	-	-	56	-	220	-	4	-	-	-	3	-	1,133
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
NEW YORK	-	17	-	-	-	-	-	-	-	-	-	27	-	5	-	41	-	-	-	-	-	172
NORTH DAKOTA	-	-	-	-	-	29	-	-	-	-	6,000	1,882	-	2,727	-	67	-	-	-	111	12,000	10,573
OKLAHOMA	-	67	-	-	-	-	-	-	-	-	-	90	-	121	-	-	-	-	-	-	-	469
PENNSYLVANIA	6,000	768	-	-	-	-	-	-	-	-	-	457	-	3,084	-	45	-	-	-	5	6,000	7,330
ANTHRACITE	6,000	6,003	-	-	-	-	-	-	-	-	-	4,585	-	14,572	-	501	-	-	-	1,049	6,000	57,900
BITUMINOUS	12,000	6,771	-	-	-	-	-	-	-	-	-	5,042	-	17,656	-	546	-	-	-	1,054	12,000	65,230
ALL COAL	-	1,539	-	-	-	-	-	-	-	-	-	1,240	-	378	-	48	-	-	-	100	6,000	5,453
TENNESSEE	-	70	-	-	-	-	-	-	-	-	-	345	-	378	-	30	-	-	-	38	6,000	1,450
TEXAS	-	775	-	-	-	-	-	-	-	-	-	522	-	24	-	6	-	-	-	136	6,000	4,776
UTAH	6,000	15,779	-	-	-	-	-	-	-	-	12,000	9,258	-	3,805	-	133	-	-	-	247	48,000	50,124
VIRGINIA	-	343	-	-	-	-	-	-	-	-	-	66	-	324	-	493	-	-	-	-	-	1,288
WASHINGTON	6,000	12,920	-	-	-	80	-	-	-	-	6,000	14,107	-	15,345	-	1,431	-	-	-	2,035	48,000	91,713
WEST VIRGINIA	-	482	-	-	-	18	-	-	-	-	-	500	-	427	-	84	-	-	-	32	-	4,125
TOTAL	6,000	768	-	-	-	-	-	-	-	-	657	457	6,000	3,084	45	223	-	-	5	6,000	7,330	
ANTHRACITE	30,000	71,673	-	121	60,000	230	-	-	-	-	66,000	54,585	-	77,941	-	5,521	-	-	12,000	4,988	365,000	367,515
BITUMINOUS	36,000	72,441	-	121	60,000	230	-	-	-	-	66,000	55,052	-	81,025	-	5,521	-	-	12,000	4,993	372,000	404,845
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-	-	-	9	-	33
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-	-	-	-	-	5	-	109
KENTUCKY	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	43
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-	-	-	-	-	-	-	407
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-	-	-	-	-	-	-	407
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	282	-	-	-	-	-	9	-	50
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	3	-	-	-	-	-	-	-	-	-	-	-	453	-	-	-	-	-	23	-	1,031
BITUMINOUS	-	3	-	-	-	-	-	-	-	-	-	-	-	453	-	-	-	-	-	23	-	1,031
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL COAL 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
GRAND TOTAL																						
ALABAMA		36				26					283		6,000	409		66		3,476		560		147
ALASKA																						
ARIZONA	6,000																		6,000	30		24
COLORADO		412				6			47		134			2,130				1,136	277	3,089		61
ILLINOIS	6,000					14					277			3,462			6,000	15,110		132		
INDIANA		38									1			44				596				
IOWA																		172				
KANSAS																						
KENTUCKY	12,000	619				182		260		58	1,178		48,000	4,585		256		25,597		3,885		86
LOUISIANA		6																8				
MARYLAND											4			127				936		40		
MISSOURI											6,000					2		65				
MONTANA																		555		2		
NEVADA																		479		136		
NEW MEXICO																		10				
NEW YORK																		82				
NORTH DAKOTA																		2,861		573		79
OHIO		10						9		39	250			654		292		42		149		
OKLAHOMA																						
PENNSYLVANIA																						
ANTHRACITE						3																10
BITUMINOUS		587		293		2				121	421			22				1,859		854		215
ALL COAL		587		293		5				121	421			3,239		32		21,496		3,793		225
TEXAS		69									131		6,000	175				23,349		4,647		119
UTAH		4																1,212		120		
VIRGINIA		2								24	156			103				343		235		
WASHINGTON		361				47		40		243	741		18,000	2,810		40		1,607		246		156
WEST VIRGINIA						3												12,273		2,549		
WYOMING		789				11		118		368	1,265		24,000	4,649		72		32,708		4,673		303
TOTAL																						
ANTHRACITE						3								22				1,859		854		10
BITUMINOUS	24,000	2,933		293		291		427		900	4,862		102,000	22,385		828		6,000	123,623	20,781		1,190
ALL COAL	24,000	2,933		293		294		427		900	4,862		102,000	22,410		828		6,000	125,482	21,635		1,200

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL COAL 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 ANKLEING 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	-	2,336	-	-	-	4	-	-	-	-	1,885	1	6,000	4,485	-	185	-	263	-	16	12,000	14,177
ALASKA	-	-	-	-	-	-	-	-	-	-	-	58	-	92	-	-	-	-	-	7	12,000	12
ARIZONA	-	10	-	-	-	-	-	-	-	-	-	669	-	1,162	-	-	-	-	-	18	6,000	190
COLORADO	-	1,429	-	-	-	-	-	-	-	-	6,000	-	-	15,040	-	7	-	144	-	493	18,000	7,177
ILLINOIS	-	7,338	-	33	30	30	-	-	-	-	4,333	-	-	1,504	-	1,671	-	802	-	6,000	18,000	52,776
INDIANA	-	631	-	35	18	18	-	-	-	-	636	-	-	1,285	-	118	-	-	-	40	6,000	3,703
IOWA	-	45	-	-	-	-	-	-	-	-	56	-	-	10	-	-	-	-	-	-	6,000	283
KANSAS	-	-	-	-	-	-	-	-	-	-	33	-	-	1	-	-	-	-	-	-	30	180,000
KENTUCKY	12,000	20,236	-	53	50,000	20	-	-	-	-	36,000	12,966	-	6,398	-	703	-	714	-	664	180,000	80,447
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	6,000	2,454
MARYLAND	-	181	-	-	-	-	-	-	-	-	-	35	-	1,131	-	-	-	-	-	6	6,000	313
MISSOURI	-	69	-	-	-	-	-	-	-	-	39	132	-	6,169	-	-	-	-	-	-	-	6,824
MONTANA	-	36	-	-	31	31	-	-	-	-	-	56	-	220	-	4	-	-	-	3	-	1,133
NEW MEXICO	-	235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
NEW YORK	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	41	-	-	-	-	-	172
NORTH CAROLINA	-	17	-	-	-	-	-	-	-	-	-	-	-	5	-	67	-	58	-	111	12,000	10,676
OHIO	-	1,022	-	-	-	29	-	-	-	-	5,000	1,882	-	2,730	-	-	-	-	-	-	-	469
OKLAHOMA	-	67	-	-	-	-	-	-	-	-	30	-	-	121	-	-	-	-	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE	6,000	768	-	-	-	-	-	-	-	-	-	457	-	3,084	-	45	-	223	-	5	6,000	7,330
BITUMINOUS	6,000	6,003	-	-	-	-	-	-	-	-	-	4,585	-	14,647	-	501	-	1,329	-	1,049	6,000	30,307
ALL COAL	12,000	6,771	-	-	-	-	-	-	-	-	-	5,042	-	17,731	-	546	-	1,552	-	1,054	12,000	69,637
TENNESSEE	-	1,539	-	-	-	-	-	-	-	-	-	1,240	-	635	-	48	-	14	-	100	6,000	5,453
TEXAS	-	70	-	-	-	-	-	-	-	-	-	345	-	378	-	30	-	6	-	39	6,000	1,450
UTAH	-	775	-	-	-	-	-	-	-	-	-	1,097	-	572	-	133	-	24	-	136	6,000	4,826
VIRGINIA	6,000	16,779	-	-	-	-	-	-	-	-	12,000	9,268	-	3,805	-	493	-	262	-	247	48,000	50,124
WASHINGTON	-	343	-	-	-	-	-	-	-	-	66	-	-	304	-	-	-	5	-	-	-	1,288
WEST VIRGINIA	6,000	12,020	-	-	80	80	-	-	-	-	6,000	14,107	-	16,627	-	1,431	-	830	-	2,044	48,000	92,096
WYOMING	-	482	-	-	18	18	-	-	-	-	-	500	-	430	-	84	-	-	-	32	-	4,126
TOTAL:																						
ANTHRACITE	6,000	768	-	121	60,000	-	-	-	-	-	457	-	-	3,084	-	45	-	223	-	5	6,000	7,330
BITUMINOUS	30,000	71,676	-	121	60,000	230	-	-	-	-	66,000	54,595	6,000	78,404	-	5,521	-	4,472	-	5,011	366,000	398,546
ALL COAL	36,000	72,444	-	121	60,000	230	-	-	-	-	66,000	55,092	6,000	81,488	-	5,566	-	4,695	-	5,016	372,000	405,876

TABLE 15. - INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES						INJURIES PER MILLION TONS						LOST WORKDAYS PER MILLION TONS			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION	PRODUCTION (SHORT TONS)				
	FATAL	NFDL			TOTAL INJURIES	NFDL	FATAL	NFDL	ALL FATAL AND NFDL	ALL INDU- RIES	FATAL	NFDL	ALL FATAL AND NFDL											
		PERMANENT	TEMPO- RARY	TOTAL FATAL AND NFDL																				
														TOTAL	PARTIAL									
UNDERGROUND MINES:																								
0 - 24,999	4	-	4	134	138	142	41	183	30	94	31	9	30	31	41	5,381	1,883	5,463	4,452	3,365,431	545	-	4,460,487	
25,000 - 49,999	3	-	4	197	201	204	50	254	34	22	64	22	98	23	61	2,028	1,042	3,070	3,167	3,785,941	243	-	8,877,810	
50,000 - 99,999	2	-	15	475	490	492	145	637	09	23	69	10	79	7	01	580	1,266	4,863	4,863	7,930,795	263	-	20,586,286	
100,000 - 149,999	2	-	11	454	465	467	166	533	09	21	61	21	91	3	10	563	816	1,848	1,848	7,234,763	176	-	21,319,067	
150,000 - 249,999	5	-	15	617	621	626	167	733	06	16	88	19	60	5	08	365	569	1,461	1,461	10,428,074	170	-	32,882,457	
250,000 - 499,999	3	-	12	1,087	1,090	1,102	272	1,374	06	22	54	22	60	9	58	873	764	1,333	1,333	15,302,348	142	-	48,766,110	
500,000 - 749,999	4	-	14	566	566	584	247	831	15	21	49	29	39	6	05	564	524	1,509	1,509	9,326,600	45	-	27,302,990	
750,000 - 999,999	2	-	11	423	423	449	149	747	10	29	49	29	59	7	77	594	1,242	1,836	1,836	7,680,576	24	-	20,208,212	
1,000,000 OR MORE	17	-	55	4,234	4,289	4,366	992	5,288	08	21	14	21	22	4	89	503	1,719	1,721	31,037	54,310,538	111	-	202,528,275	
TOTAL OR AVERAGE	42	-	130	8,349	8,479	8,521	2,129	10,650	11	21	88	21	99	5	50	650	779	1,429	68,311	129,357,108	1,739	-	387,437,734	
SURFACE MINES:																								
0 - 24,999	2	-	2	50	52	54	29	83	37	9	68	10	05	5	40	2,234	326	2,560	3,538	3,880,111	729	-	5,371,388	
25,000 - 49,999	1	-	8	43	45	48	42	65	06	26	77	6	32	3	57	387	209	2,087	2,087	3,148,502	214	-	7,795,830	
50,000 - 99,999	1	-	3	88	97	98	44	143	09	56	99	11	22	3	45	518	206	2,087	2,087	5,700,295	105	-	15,495,409	
100,000 - 149,999	2	-	2	160	161	163	96	259	09	6	94	7	03	4	14	273	171	689	3,343	7,266,319	116	-	23,182,876	
150,000 - 249,999	2	-	2	276	278	280	121	401	05	6	31	6	36	2	75	434	155	427	3,333	12,030,253	125	-	44,311,084	
250,000 - 499,999	1	-	1	165	166	167	65	232	05	04	6	72	9	40	2	243	191	434	3,073	7,210,418	41	-	24,681,383	
500,000 - 749,999	1	-	2	102	104	105	33	138	05	5	34	5	39	1	69	308	161	469	1,851	4,061,229	22	-	19,489,254	
750,000 - 999,999	5	-	11	534	546	551	583	1,234	01	1	53	1	54	1	38	71	61	132	20,350	42,593,275	101	-	422,919,727	
1,000,000 OR MORE	14	-	32	1,615	1,648	1,682	1,033	2,685	02	2	86	2	89	1	79	146	94	239	44,629	90,060,325	1,665	-	575,723,701	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AUGER:																								
0 - 24,999	-	-	-	8	8	8	2	10	-	8	87	2	22	2	11	-	389	389	419	253,784	73	56	902,214	
25,000 - 49,999	-	-	-	2	2	2	2	4	-	5	79	1	59	5	79	-	423	423	44	35,897	6	4	345,235	
50,000 - 99,999	-	-	-	2	2	2	3	5	-	2	96	1	59	2	40	-	74	74	120	188,004	4	4	673,588	
100,000 - 149,999	-	-	-	1	1	1	3	4	-	1	17	1	57	3	51	-	25	25	57	131,543	4	3	835,847	
150,000 - 249,999	-	-	-	3	3	3	5	9	-	14	23	14	23	4	67	-	247	247	24	31,457	2	-	210,814	
250,000 - 499,999	-	-	-	4	4	4	5	10	-	5	56	7	00	12	60	-	57	57	35	52,529	2	-	714,550	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QUARRY:																								
0 - 24,999	-	-	-	2	2	2	2	2	-	2	78	2	22	2	11	-	389	389	419	213,400	41	2	301,944	
25,000 - 49,999	-	-	-	5	5	5	1	6	-	6	62	1	62	3	85	-	162	162	49	74,631	7	-	249,350	
50,000 - 99,999	-	-	-	3	3	3	5	3	-	19	26	8	86	8	86	-	325	325	86	166,295	5	-	336,627	
100,000 - 149,999	-	-	-	5	5	5	5	10	-	14	73	14	73	29	46	-	224	224	38	86,008	3	-	86,008	
150,000 - 249,999	-	-	-	-	-	-	-	-	-	-	14	73	14	73	29	-	-	-	5	11,519	1	-	169,829	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 15. - INJURY EXPERIENCE BY DEGREE, HORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES						INJURIES PER MILLION TONS				LOST WORKDAYS PER MILLION TONS			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	PRODUCTION (SHORT TONS)									
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL														
		PERMANENT		TEMPO- RARY															FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL		
		TOTAL	PARTIAL	TOTAL	NFDL	TOTAL FATAL AND NFDL																				NFDL	TOTAL INJURIES
DEGREE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
0 - 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
25,000 - 49,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
50,000 - 99,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
TOTAL OR AVERAGE, SURFACE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
0 - 24,999	2	-	2	60	62	64	31	95	9.52	4.61	1.786	335	2,120	4,242	4,459,356	865	58	6,720,431									
25,000 - 49,999	-	-	-	50	52	52	24	76	6.14	2.83	-	214	214	2,191	3,295,495	229	4	8,475,780									
50,000 - 99,999	-	-	-	94	102	103	45	148	6.22	2.72	362	202	564	3,239	6,057,625	222	5	16,565,944									
100,000 - 149,999	-	-	-	102	105	105	52	157	7.53	3.73	-	197	197	2,126	4,378,475	112	3	13,942,072									
150,000 - 249,999	-	-	-	163	164	166	96	262	7.04	4.07	509	171	680	3,372	7,309,295	118	-	23,563,519									
250,000 - 499,999	2	-	2	289	282	284	126	410	6.30	2.82	509	153	662	3,363	12,091,788	127	-	44,745,634									
500,000 - 749,999	1	-	1	165	167	167	65	232	6.72	2.63	243	191	434	3,073	7,210,416	41	-	24,691,383									
750,000 - 999,999	1	-	1	102	104	105	33	138	5.34	1.89	308	161	469	1,851	4,561,276	22	-	19,489,264									
1,000,000 OR MORE	5	1	11	534	546	551	583	1,234	1.54	1.36	71	51	132	20,360	42,593,275	101	-	422,919,727									
TOTAL OR AVERAGE	14	1	32	1,650	1,683	1,697	1,055	2,752	2.92	1.82	145	94	239	45,812	91,458,011	1,837	70	581,113,754									
TOTAL OR AVERAGE, MINING:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
0 - 24,999	6	-	6	194	200	206	72	278	18.42	24.86	3,220	633	3,853	8,694	7,824,787	1,410	58	11,180,918									
25,000 - 49,999	3	-	3	247	253	256	74	330	14.75	4.26	1,037	538	1,575	5,358	7,086,436	472	4	17,353,590									
50,000 - 99,999	3	-	3	559	562	565	100	785	15.97	5.10	483	794	1,277	6,102	13,978,489	505	5	37,252,230									
100,000 - 149,999	2	-	2	356	370	372	118	630	16.22	3.35	340	571	912	5,023	11,613,180	288	3	25,261,139									
150,000 - 249,999	7	-	7	780	785	792	263	1,055	18.69	4.66	744	403	1,147	8,561	17,735,363	288	-	56,452,016									
250,000 - 499,999	5	-	5	1,367	1,381	1,386	358	1,764	19.08	4.96	321	472	793	12,680	27,394,136	269	-	93,511,744									
500,000 - 749,999	3	-	3	731	745	751	312	1,063	20.44	5.00	577	421	998	7,734	16,537,016	86	-	51,994,373									
750,000 - 999,999	3	-	3	687	700	703	182	885	22.25	4.96	453	211	1,165	5,676	11,741,802	46	-	39,697,476									
1,000,000 OR MORE	22	1	66	4,868	4,935	4,957	1,575	6,532	2.52	10.44	211	275	1,485	51,387	106,303,913	212	-	625,848,002									
TOTAL OR AVERAGE	56	1	162	9,999	10,162	10,216	3,184	13,402	10.55	3.29	347	366	715	114,123	229,815,119	3,576	70	968,551,488									
SURFACE AT UNDERGROUND	2	-	9	534	543	545	219	764	-	-	-	-	-	7,611	13,427,794	42	1,367	-									
INDEPENDENT SHOPS	-	-	-	48	48	48	32	80	-	-	-	-	-	1,043	1,876,095	5	-	-									
PROCESSING PLANTS	4	-	25	856	881	885	391	1,276	-	-	-	-	-	14,953	30,725,677	670	268	-									
OFFICE	-	-	1	24	25	25	16	41	-	-	-	-	-	7,677	14,032,455	39	1,521	-									
GRAND TOTAL OR AVERAGE	62	1	197	11,461	11,659	11,721	3,842	15,563	-	-	-	-	-	145,407	280,877,140	4,414	3,226	968,551,488									

TABLE 15A - INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES										INJURIES PER MILLION TONS				LOST WORKDAYS PER MILLION TONS			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)
	FATAL	NFDL				TOTAL INJURIES	NFDL	TOTAL FATAL AND NFDL	FATAL	NFDL	TOTAL	FATAL	NFDL	TOTAL	FATAL	NFDL	TOTAL					
		PERMANENT	TEMPORARY																			
			TOTAL	PARTIAL	TOTAL																	
UNDERGROUND MINES:																						
0 - 24,999	-	-	-	4	4	2	-	4	4	6	-	13 49	13 49	20 24	-	455	455	270	329,755	75	236,458	
25,000 - 49,999	-	-	-	3	3	1	-	3	3	4	-	09 99	09 99	24 14	-	2,561	2,561	16	31,549	1	29,290	
50,000 - 99,999	-	-	-	15	15	3	-	15	15	18	-	53 25	53 25	18 65	-	1,635	1,635	44	81,615	2	160,851	
TOTAL OR AVERAGE	-	-	-	22	22	6	-	22	22	28	-	45 21	45 21	12 33	-	972	972	330	442,919	78	486,599	
SURFACE MINES:																						
STRIP:																						
0 - 24,999	-	-	-	4	4	-	-	4	4	5	-	13 34	13 34	-	-	1,262	1,262	216	264,517	57	374,690	
25,000 - 49,999	-	-	-	6	6	1	-	6	6	7	-	18 56	18 56	3 10	-	458	458	76	160,500	9	322,886	
50,000 - 99,999	-	-	-	6	6	7	-	6	6	14	-	17 72	17 72	17 35	-	681	681	97	208,652	5	394,006	
100,000 - 149,999	-	-	-	2	2	-	-	2	2	3	-	11 53	11 53	11 53	-	381	381	36	82,550	2	260,154	
150,000 - 249,999	-	-	-	22	22	16	-	22	22	36	-	99 99	99 99	76 00	-	4,493	4,493	53	86,781	1	210,334	
250,000 - 499,999	-	-	-	9	9	9	-	9	9	9	-	33 09	33 09	33 09	-	496	496	244	344,151	1	271,994	
TOTAL OR AVERAGE	-	-	-	49	52	24	-	52	52	76	-	28 33	28 33	13 08	-	1,128	1,128	724	1,172,247	75	1,835,253	
CULM BANK:																						
0 - 24,999	-	-	-	1	1	-	-	1	1	1	-	7 91	7 91	-	-	1,076	1,076	77	88,915	19	126,354	
25,000 - 49,999	-	-	-	1	1	-	-	1	1	1	-	10 72	10 72	-	-	21	21	14	24,113	3	63,258	
50,000 - 99,999	-	-	-	3	3	-	-	3	3	3	-	23 23	23 23	-	-	852	852	39	80,473	2	123,163	
100,000 - 149,999	-	-	-	3	3	2	-	3	3	5	-	13 67	13 67	9 11	-	150	150	19	45,069	2	219,464	
150,000 - 249,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	11,519	1	169,829	
TOTAL OR AVERAGE	-	-	-	8	8	2	-	8	8	10	-	10 84	10 84	2 71	-	381	381	154	250,117	27	738,088	
DREDGE:																						
0 - 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	5,615	4	2,150	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	5,615	4	2,150	
TOTAL OR AVERAGE SURFACE:																						
0 - 24,999	-	-	-	5	5	-	-	5	5	6	-	11 92	11 92	-	-	1,210	1,210	300	379,047	80	503,194	
25,000 - 49,999	-	-	-	7	7	1	-	7	7	8	-	16 82	16 82	2 45	-	360	360	90	184,725	12	116,144	
50,000 - 99,999	-	-	-	10	10	7	-	10	10	17	-	19 08	19 08	13 35	-	723	723	136	289,131	7	524,158	
100,000 - 149,999	-	-	-	5	5	2	-	5	5	8	-	12 51	12 51	4 17	-	275	275	57	132,625	4	475,528	
150,000 - 249,999	-	-	-	22	22	16	-	22	22	38	-	57 84	57 84	42 07	-	2,467	2,467	36	98,300	2	380,363	
250,000 - 499,999	-	-	-	9	9	9	-	9	9	9	-	33 09	33 09	33 09	-	496	496	244	344,151	1	271,994	
TOTAL OR AVERAGE	-	-	-	57	60	26	-	60	60	86	-	23 30	23 30	10 10	-	913	913	885	1,427,979	106	2,575,491	

TABLE 15A. - INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES						INJURIES PER MILLION TONS				LOST WORKDAYS PER MILLION TONS			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	PRODUCTION (SHORT TONS)																
	FATAL	NFDL				TOTAL INJURIES	NOL	TOTAL FATAL AND NFDL		ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL																					
		PERMANENT		TEMPO- RARY				TOTAL FATAL	TOTAL NFDL																									
		TOTAL	PARTIAL																															
TOTAL OR AVERAGE MINING:																																		
0 - 24,999	-	1		9	10	12	2	12	10	15	-	930	930	570	708,802	155	-	799,652																
25,000 - 49,999	-	-	-	10	10	12	2	22	20	26	-	935	935	106	216,274	13	-	445,434																
50,000 - 99,999	-	-	-	24	25	35	10	35	25	51	-	937	937	180	370,748	9	-	685,009																
100,000 - 149,999	-	-	-	5	6	8	2	8	6	16	-	275	275	57	132,625	4	-	479,638																
150,000 - 249,999	-	-	-	22	22	38	16	38	22	54	-	2,487	2,487	98	58,300	2	-	380,353																
250,000 - 499,999	-	-	-	9	9	9	-	9	9	33	-	496	496	244	344,151	1	-	271,994																
TOTAL OR AVERAGE	-	3		79	82	114	32	82	82	37	-	922	922	1,215	1,870,898	184	-	3,062,090																
SURFACE AT UNDERGROUND	1	-	-	1	1	3	1	2	2	-	-	-	-	108	139,965	-	64	-																
INDEPENDENT SHOPS	-	-	-	-	-	-	-	-	-	-	-	-	-	37	69,468	3	-	-																
PROCESSING PLANTS	-	-	4	90	94	121	27	94	94	-	-	-	-	760	1,312,938	58	9	-																
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	114	170,544	5	43	-																
GRAND TOTAL OR AVERAGE	1	7		170	177	238	60	178	178	-	-	-	-	2,234	3,563,833	251	116	3,062,090																

TABLE 15B. - INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES						INJURIES PER MILLION TONS				LOST WORKDAYS PER MILLION TONS				AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)						
	FATAL	NFDL					FATAL	NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL													
		PERMANENT	TEMPORARY	TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES																			
													TOTAL	PARTIAL											
UNDERGROUND MINES:																									
0 - 24,999	4	-	4	130	134	138	35	177	95	32	18	33	14	9	37	42	51	5,764	1,128	6,891	4,182	3,035,676	470	-	4,164,029
25,000 - 49,999	3	-	15	194	198	201	49	256	34	23	34	23	72	6	54	28	25	2,034	1,037	3,072	3,151	3,758,392	242	-	8,842,520
50,000 - 99,999	2	-	11	450	475	477	66	519	10	23	14	23	24	6	80	30	16	525	1,265	1,850	4,819	7,839,180	281	-	20,525,435
100,000 - 149,999	5	-	4	617	621	626	167	753	09	21	81	21	91	3	10	25	00	563	1,471	1,479	3,403	7,234,705	176	-	21,319,067
150,000 - 249,999	3	-	12	1,087	1,089	1,102	272	1,374	06	22	94	22	60	5	08	28	11	912	589	589	1,183	10,426,074	170	-	32,888,487
250,000 - 499,999	3	-	14	566	566	584	247	831	15	21	24	21	39	9	05	30	44	368	764	1,333	7,312	15,302,348	142	-	48,766,110
500,000 - 749,999	4	-	11	565	586	588	249	747	15	25	49	29	59	9	03	30	44	879	623	1,509	4,661	9,206,500	45	-	27,382,900
750,000 - 999,999	2	-	55	4,234	4,263	4,306	992	5,298	08	21	14	21	22	4	89	26	11	503	1,242	1,856	3,627	64,310,638	24	-	20,268,217
1,000,000 OR MORE	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31,037	64,310,638	111	-	262,928,275
TOTAL OR AVERAGE	42	-	130	8,327	8,437	8,499	2,123	10,622	11	21	66	21	95	5	49	27	45	651	779	1,436	67,981	128,914,189	1,661	-	386,951,135
SURFACE MINES:																									
0 - 24,999	2	-	1	46	47	49	29	76	40	9	41	9	81	5	60	15	61	2,402	255	2,657	3,322	3,555,554	672	-	4,956,599
25,000 - 49,999	1	-	2	37	39	39	19	58	5	22	5	22	5	2	54	7	35	387	198	198	2,011	2,387,912	205	-	7,472,946
50,000 - 99,999	1	-	7	83	90	91	35	126	07	5	36	7	69	3	52	11	21	397	193	500	2,095	5,491,643	207	-	15,106,414
100,000 - 149,999	2	-	2	138	139	141	21	221	05	6	14	6	14	2	77	8	56	522	205	205	1,993	4,073,368	103	-	12,486,584
150,000 - 249,999	2	-	2	267	268	271	65	362	05	6	15	6	19	132	348	9	62	274	654	654	1,296	11,179,538	115	-	22,972,342
250,000 - 499,999	1	-	1	165	166	167	65	232	04	6	12	6	16	153	427	8	40	243	427	427	5,089	11,695,108	124	-	43,759,066
500,000 - 749,999	1	-	2	102	104	105	33	138	05	5	34	5	39	274	243	9	40	308	191	468	3,073	7,210,418	41	-	24,681,363
750,000 - 999,999	1	-	11	634	646	651	583	1,234	01	1	53	1	54	161	161	2	92	71	468	132	1,851	4,061,228	22	-	19,489,264
1,000,000 OR MORE	5	-	-	-	-	-	-	-	-	-	-	-	-	61	138	2	92	-	61	132	20,356	42,593,275	101	-	422,919,727
TOTAL OR AVERAGE	14	1	29	1,566	1,596	1,610	1,009	2,619	02	2	72	2	81	1	76	4	56	146	90	237	43,905	88,888,078	1,550	-	573,288,448
ALL:																									
0 - 24,999	-	-	-	8	8	8	2	10	-	8	87	8	87	2	22	11	08	-	399	399	419	253,784	73	56	902,214
25,000 - 49,999	-	-	-	2	2	2	2	4	-	5	79	5	79	5	79	11	39	-	423	423	441	169,404	6	4	745,216
50,000 - 99,999	-	-	-	2	2	2	2	4	-	2	96	2	96	4	44	7	40	-	473	473	129	169,404	4	3	576,588
100,000 - 149,999	-	-	-	1	1	1	3	4	-	1	17	1	17	2	35	4	67	-	25	25	37	131,945	4	1	855,847
150,000 - 249,999	-	-	-	3	3	3	5	3	-	14	23	14	23	14	23	14	23	-	247	247	24	31,457	2	-	210,814
250,000 - 499,999	-	-	-	4	4	4	5	5	-	5	60	5	60	7	00	12	60	-	57	57	35	52,529	2	-	714,556
TOTAL OR AVERAGE	-	-	-	20	20	20	15	35	-	5	40	5	40	4	05	9	45	-	181	181	699	694,616	90	68	3,704,348
COAL BANK:																									
0 - 24,999	-	-	-	1	1	1	-	1	-	5	70	5	70	-	5	70	-	-	28	28	121	124,495	22	2	175,590
25,000 - 49,999	-	-	-	4	4	4	1	5	-	24	05	24	05	-	6	01	30	-	241	241	35	50,406	4	-	156,292
50,000 - 99,999	-	-	-	2	2	2	3	5	-	16	67	16	67	-	25	00	41	-	358	358	47	85,720	3	-	209,464
100,000 - 149,999	-	-	-	2	2	2	2	5	-	10	43	10	43	-	5	96	16	-	-	-	19	40,939	1	-	126,303
TOTAL OR AVERAGE	-	-	-	7	7	7	4	11	-	10	43	10	43	-	131	131	131	-	131	131	222	301,646	30	2	671,349
DREDGE:																									
0 - 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106,445	18	-	142,735
25,000 - 49,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	17,465	2	-	75,163
50,000 - 99,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	21,781	1	-	56,220
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101	145,692	21	-	274,118

TABLE 15B. - INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT BIRMINGHAM COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES										INJURIES PER MILLION TONS				LOST WORKDAYS PER MILLION TONS			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		PERMANENT	TEMPORARY													TOTAL NFDL	TOTAL						FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			PARTIAL	TOTAL	TOTAL																									TOTAL	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
																																						TOTAL	TOTAL	TOTAL	TOTAL	FATAL	NFDL	FATAL	NFDL	FATAL AND NFDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
TOTAL OR AVERAGE SURFACE:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			</

TABLE 16. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PRODUCTION SIZE GROUP
AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI	
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL	PARTIAL						
UNDERGROUND MINES:															
0 - 24,999	4	-	4	134	142	41	183	24,000	-	840	3,990	28,830	210	30	203
25,000 - 49,999	3	-	4	197	204	50	254	18,000	-	3,850	5,405	27,255	962	27	134
50,000 - 99,999	2	-	15	475	492	145	537	12,000	-	12,975	13,248	38,233	865	28	78
100,000 - 149,999	2	-	11	454	467	166	533	12,000	-	3,970	13,475	29,395	361	30	63
150,000 - 249,999	5	-	4	617	626	167	793	30,000	-	365	18,335	48,720	96	30	78
250,000 - 499,999	3	-	12	1,099	1,102	272	1,374	18,000	-	4,215	33,045	55,260	351	30	50
500,000 - 749,999	4	-	14	566	580	247	831	24,000	-	1,310	15,877	41,181	94	28	71
750,000 - 999,999	2	-	11	585	598	149	747	12,000	-	6,030	19,073	37,103	548	33	62
1,000,000 OR MORE	17	-	55	4,234	4,289	992	5,298	102,000	-	11,885	133,948	247,843	216	32	58
TOTAL OR AVERAGE	42	-	130	8,349	8,479	2,129	10,650	252,000	-	45,470	256,356	553,826	350	31	65
SURFACE MINES:															
STRIP:															
0 - 24,999	2	-	2	50	54	29	83	12,000	-	350	1,399	13,749	175	28	255
25,000 - 49,999	1	-	8	43	45	20	65	6,000	-	485	1,143	1,628	242	27	31
50,000 - 99,999	1	-	3	97	98	42	140	6,000	-	410	2,774	3,184	51	31	94
100,000 - 149,999	2	-	3	96	99	44	143	12,000	-	160	2,495	2,655	53	26	58
150,000 - 249,999	2	-	1	160	163	96	259	12,000	-	50	3,921	15,971	50	24	67
250,000 - 499,999	2	-	2	276	280	121	401	12,000	-	150	6,663	18,813	75	24	64
500,000 - 749,999	1	-	1	165	167	65	232	6,000	-	300	4,406	10,706	300	27	29
750,000 - 999,999	1	-	2	102	105	33	138	6,000	-	200	2,932	9,132	100	29	87
1,000,000 OR MORE	5	1	11	634	651	583	1,234	30,000	5,000	630	19,374	56,004	57	31	86
TOTAL OR AVERAGE	14	1	32	1,615	1,648	1,033	2,695	84,000	5,000	2,735	45,107	137,842	85	28	83
AUGER:															
0 - 24,999	-	-	-	8	8	2	10	-	-	-	360	360	-	45	45
25,000 - 49,999	-	-	-	2	2	2	4	-	-	-	146	146	-	73	73
50,000 - 99,999	-	-	-	2	2	3	5	-	-	-	50	50	-	25	25
100,000 - 149,999	-	-	-	1	1	3	4	-	-	-	21	21	-	21	21
150,000 - 249,999	-	-	-	3	3	5	9	-	-	-	52	52	-	17	17
250,000 - 499,999	-	-	-	4	4	4	9	-	-	-	41	41	-	10	10
TOTAL OR AVERAGE	-	-	-	20	20	15	35	-	-	-	670	670	-	34	34
CULM BANK:															
0 - 24,999	-	-	-	2	2	1	2	-	-	-	141	141	-	70	70
25,000 - 49,999	-	-	-	5	5	5	6	-	-	-	42	42	-	8	8
50,000 - 99,999	-	-	-	3	3	5	3	-	-	-	110	110	-	37	37
100,000 - 149,999	-	-	-	5	5	5	10	-	-	-	76	76	-	15	15
150,000 - 249,999	-	-	-	15	15	6	21	-	-	-	369	369	-	25	25
TOTAL OR AVERAGE	-	-	-	15	15	6	21	-	-	-	369	369	-	25	25

TABLE 16. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	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				PERMANENT	TEMPORARY	TOTAL								
															TOTAL	PARTIAL	TOTAL	PARTIAL
DREDGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
0 - 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
25,000 - 49,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
50,000 - 99,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
TOTAL OR AVERAGE SURFACE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
0 - 24,999	2	2	60	62	64	95	12,000	350	1,900	2,250	14,250	175	32	223				
25,000 - 49,999	-	-	50	52	52	76	-	485	1,331	1,816	1,816	242	27	35				
50,000 - 99,999	1	8	94	102	103	148	6,000	410	2,934	3,344	9,344	51	31	91				
100,000 - 149,999	-	3	102	105	105	157	-	160	2,592	2,752	2,752	53	25	26				
150,000 - 249,999	2	1	163	164	166	262	12,000	50	3,973	4,023	16,023	50	24	57				
250,000 - 499,999	2	2	280	282	284	410	12,000	150	6,704	6,854	18,854	75	24	66				
500,000 - 749,999	1	1	165	166	167	232	5,000	300	4,406	4,706	10,706	300	27	84				
750,000 - 999,999	1	2	102	104	105	138	5,000	200	2,932	3,132	9,132	100	29	97				
1,000,000 OR MORE	5	11	634	646	651	1,234	30,000	630	19,374	26,004	56,004	57	31	86				
TOTAL OR AVERAGE	14	32	1,650	1,683	1,697	2,752	84,000	2,735	45,146	54,881	138,881	85	26	82				
TOTAL OR AVERAGE MINING:	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
0 - 24,999	6	6	194	200	206	278	36,000	1,190	5,890	7,080	43,080	198	30	209				
25,000 - 49,999	3	6	247	253	256	330	18,000	4,335	6,736	11,071	29,071	722	27	114				
50,000 - 99,999	3	23	569	592	595	785	18,000	13,385	16,192	29,577	47,577	582	28	80				
100,000 - 149,999	7	14	556	570	572	690	12,000	4,130	16,017	20,147	32,147	285	29	56				
150,000 - 249,999	7	5	780	785	792	1,055	42,000	435	22,308	22,743	64,743	87	29	82				
250,000 - 499,999	5	14	1,367	1,381	1,386	1,784	30,000	4,365	26,749	44,114	74,114	312	29	53				
500,000 - 749,999	5	15	731	746	751	1,063	30,000	1,610	20,263	21,893	51,893	107	28	69				
750,000 - 999,999	3	13	687	700	703	885	18,000	6,230	22,005	28,235	46,235	479	32	65				
1,000,000 OR MORE	22	66	4,868	4,935	4,957	6,532	132,000	6,000	153,322	171,847	303,847	190	31	61				
TOTAL OR AVERAGE	56	162	9,999	10,162	10,218	13,402	336,000	5,000	302,502	356,707	692,707	298	30	68				
SURFACE AT UNDERGROUND	2	9	534	543	545	764	12,000	-	2,250	15,921	18,171	250	30	55				
INDEPENDENT SHOPS	-	-	48	48	48	80	-	-	-	1,506	1,506	-	31	31				
PROCESSING PLANTS	4	25	856	881	885	1,276	24,000	-	1,620	26,841	28,461	65	31	59				
OFFICE	-	1	24	25	25	41	-	-	50	981	1,031	50	41	41				
GRAND TOTAL OR AVERAGE	62	1	11,461	11,659	11,721	15,563	372,000	5,000	52,125	347,751	405,876	265	30	66				

TABLE 16A. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE, FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1988

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES						LOST HOURS						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	
		PERMANENT	TEMPO- RARY						TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFDL
			TOTAL	PARTIAL												
UNDERGROUND MINES:																
0 - 24,999	-	-	4	4	4	2	6	-	-	-	135	135	-	34	34	
25,000 - 49,999	-	-	3	3	3	1	4	-	-	-	75	75	-	25	25	
50,000 - 99,999	-	-	15	15	15	3	18	-	-	-	263	263	-	18	18	
TOTAL OR AVERAGE	-	-	22	22	22	6	28	-	-	-	473	473	-	22	22	
SURFACE MINES:																
STRIP:	-	-	1	5	5	-	5	-	-	300	173	473	300	43	95	
0 - 24,999	-	-	6	6	6	1	7	-	-	50	148	263	50	25	25	
25,000 - 49,999	-	-	2	2	2	7	14	-	-	60	39	99	60	36	33	
50,000 - 99,999	-	-	9	9	9	16	38	-	-	-	946	946	-	20	43	
100,000 - 149,999	-	-	22	22	22	9	38	-	-	-	135	135	-	15	15	
150,000 - 249,999	-	-	49	52	52	24	76	-	-	410	1,550	2,070	137	34	40	
250,000 - 499,999	-	-	3	3	3	-	3	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COLLIERIES:																
0 - 24,999	-	-	1	1	1	-	1	-	-	-	135	135	-	135	135	
25,000 - 49,999	-	-	3	3	3	-	3	-	-	-	2	2	-	2	2	
50,000 - 99,999	-	-	3	3	3	2	5	-	-	-	110	110	-	37	37	
100,000 - 149,999	-	-	3	3	3	-	3	-	-	-	33	33	-	11	11	
150,000 - 249,999	-	-	8	8	8	2	10	-	-	-	281	281	-	35	35	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DREDGE:																
0 - 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, SURFACE:																
0 - 24,999	-	-	1	6	6	-	6	-	-	300	308	608	300	62	102	
25,000 - 49,999	-	-	7	7	7	1	8	-	-	50	150	379	50	21	21	
50,000 - 99,999	-	-	10	10	10	7	17	-	-	60	228	379	60	37	38	
100,000 - 149,999	-	-	5	6	6	2	8	-	-	-	72	132	-	14	22	
150,000 - 249,999	-	-	22	22	22	16	38	-	-	-	946	946	-	43	43	
250,000 - 499,999	-	-	9	9	9	-	9	-	-	-	135	135	-	15	15	
TOTAL OR AVERAGE	-	-	57	60	60	25	86	-	-	410	1,941	2,351	137	34	39	

TABLE 16A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PRODUCTION SIZE GROUP
AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	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					
TOTAL OR AVERAGE, MINING:-----																
0 - 24,999-----	-	1	9	10	10	2	12	-	300	-	444	744	300	49	74	
25,000 - 49,999-----	-	-	10	10	10	2	12	-	-	-	225	225	-	22	22	
50,000 - 99,999-----	-	1	24	25	25	10	35	-	50	-	592	642	50	25	26	
100,000 - 149,999-----	-	1	5	6	6	2	8	-	60	-	72	132	60	14	22	
150,000 - 249,999-----	-	-	22	22	22	16	38	-	-	-	946	946	-	43	43	
250,000 - 499,999-----	-	-	9	9	9	-	9	-	-	-	135	135	-	15	15	
TOTAL OR AVERAGE-----	-	3	79	82	82	32	114	-	410	-	2,414	2,824	137	31	34	
SURFACE AT UNDERGROUND-----	1	-	1	1	2	1	3	6,000	-	-	28	28	-	28	3,014	
INDEPENDENT SHOPS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PROCESSING PLANTS-----	-	4	90	94	94	27	121	-	200	-	4,278	4,478	50	48	48	
OFFICE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GRAND TOTAL OR AVERAGE-----	1	7	170	177	178	60	238	6,000	610	-	6,720	7,330	87	40	75	

TABLE 1B. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIDL	
		PERMANENT		TEMPORARY				PERMANENT		TEMPORARY					
		TOTAL	PARTIAL					TOTAL	PARTIAL						
TOTAL OR AVERAGE, SURFACE: 0 - 24,999----- 25,000 - 49,999----- 50,000 - 99,999----- 100,000 - 149,999----- 150,000 - 249,999----- 250,000 - 499,999----- 500,000 - 749,999----- 750,000 - 999,999----- 1,000,000 OR MORE----- TOTAL OR AVERAGE-----	2 - 1 - 2 2 1 1 5 14	- 1 2 - 2 2 1 1 1 1	55 43 85 97 141 271 185 102 634	56 45 92 99 142 273 166 104 646	58 45 93 98 144 275 167 105 651	89 68 131 149 224 401 232 138 1,234	12,000 - 6,000 - 12,000 12,000 6,000 - 30,000	- - - - - - - - 6,000	50 485 360 100 50 150 6,569 300 530	1,591 1,181 2,605 2,620 3,077 3,077 4,706 2,932 19,374	13,641 1,666 8,965 2,620 15,077 18,719 10,706 9,132 56,004	50 242 51 50 50 75 300 100 57	29 27 31 26 21 27 24 29 31	235 37 96 26 105 68 64 87 86	
TOTAL OR AVERAGE, MINING: 0 - 24,999----- 25,000 - 49,999----- 50,000 - 99,999----- 100,000 - 149,999----- 150,000 - 249,999----- 250,000 - 499,999----- 500,000 - 749,999----- 750,000 - 999,999----- 1,000,000 OR MORE----- TOTAL OR AVERAGE-----	6 3 2 7 5 5 3 22	- - - - - - - - 1	185 277 545 551 758 1,358 731 687 4,868	190 243 567 763 1,372 1,377 746 700 4,935	195 245 570 566 770 1,377 751 703 4,957	266 318 750 582 1,017 1,775 1,063 885 6,532	36,000 18,000 12,000 42,000 30,000 30,000 18,000 132,000	- - - - - - - 6,000	800 4,335 13,335 4,070 4,35 4,365 1,610 6,230 12,525	5,446 5,511 15,600 15,945 21,362 39,614 20,283 22,005 153,322	42,335 28,846 46,935 32,015 63,797 73,979 51,893 46,235 303,847	178 722 686 313 87 312 107 479 190	29 27 29 29 28 29 29 32 31	215 117 82 57 83 54 59 66 61	
SURFACE AT UNDERGROUND----- INDEPENDENT SHOPS----- PROCESSING PLANTS----- OFFICE----- GRAND TOTAL OR AVERAGE-----	1 - 4 - 61	- - - 1 1	533 - 766 - 11,291	542 48 787 25 11,482	543 48 791 25 11,543	761 80 1,155 41 15,325	6,000 - 24,000 - 366,000	- - - - 6,000	2,250 - 1,420 50 51,515	15,893 1,506 22,563 981 341,031	18,143 1,506 23,983 - 398,546	250 - 68 50 271	30 31 29 41 30	44 31 61 41 66	

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

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					FATAL	LOST WORKDAYS					AVERAGE SEVERITY							
	FATAL	NFDL			TOTAL INJURIES		FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL					
		PERMANENT	TOTAL					TOTAL	TEMPORARY	TOTAL NFDL									
			TOTAL	PARTIAL											TOTAL				
																TOTAL	PARTIAL	TOTAL	
UNDERGROUND MINES:																			
UNDERGROUND:																			
BELTMAN/ROOM OPR	-	-	567	578	578	100	678	-	-	1,785	17,451	162	28	30					
CAR DUMP/GRIZZLY/SCREEN-	-	-	6	6	6	1	7	-	-	-	106	-	18	18					
CLEANUP/VENTILATION	-	-	215	215	215	37	252	-	-	-	6,104	-	28	28					
DRILL OPERATOR	-	-	37	37	37	41	41	-	-	-	1,278	-	35	35					
ELECTRICIAN	1	2	386	388	389	94	483	5,000	5,000	100	16,676	50	27	43					
HULL DUMP	1	12	988	1,000	1,001	184	1,185	6,000	6,000	5,050	40,826	421	30	41					
HOLIST/CRANE/SKIP	-	-	-	-	-	1	1	-	-	-	-	-	-	-					
LABORER	4	17	1,689	1,706	1,710	407	2,117	24,000	24,000	9,095	86,619	535	32	51					
LOADING MACH. OPR	-	-	36	36	36	8	44	-	-	-	929	-	26	26					
MECHANIC/MAINTENANCE	2	18	842	860	862	304	1,166	12,000	12,000	2,140	26,836	119	29	45					
MINING MACH. OPR	8	16	865	881	889	170	1,059	48,000	48,000	11,000	88,127	688	34	99					
POWDERMAN/BLASTER	-	-	31	31	31	3	34	-	-	-	990	-	32	32					
RAIL TRANS. AND HAUL	-	-	222	225	225	42	267	-	-	800	8,801	267	36	36					
ROCK/ROOF BOILER	11	32	1,330	1,362	1,373	328	1,701	66,000	66,000	7,375	114,416	788	31	83					
SUPERVISOR/FOREMAN	9	10	567	577	586	235	881	54,000	54,000	7,675	80,041	50	26	19					
TECH./PROP./CLERICAL	-	-	32	33	33	54	54	-	-	30	1,275	50	38	38					
TIMBERMAN/JACKSETTER	6	2	244	246	252	50	302	36,000	36,000	100	6,894	50	26	19					
TRUCK DRIVER	-	-	21	23	23	5	26	-	-	100	492	50	28	28					
WELDER/MACHINIST	-	-	19	19	19	24	24	-	-	200	7,324	50	28	28					
N.E.C. OR UNKNOWN	-	-	252	256	256	72	328	-	-	-	301,826	350	31	65					
TOTAL OR AVERAGE	42	130	8,349	8,479	8,521	2,129	10,650	252,000	252,000	45,470	553,826	250	30	55					
SURFACE AT UNDERGROUND:																			
BELTMAN/ROOM OPR	-	-	27	27	27	3	30	-	-	-	616	-	23	23					
BULLDOZER/MOBILE EQUIP.	-	-	8	8	8	2	10	-	-	50	118	-	10	10					
CLEANUP/VENTILATION	-	-	2	2	2	1	3	-	-	-	12	-	6	6					
DRAG/CRANE/SHOVEL OPR	-	-	20	20	20	8	28	-	-	-	454	-	23	23					
DREDGE/RANGE/BOAT	-	-	-	-	-	1	1	-	-	-	-	-	-	-					
DRILL OPERATOR	-	-	4	4	4	4	8	-	-	-	57	-	14	14					
ELECTRICIAN	-	-	53	53	53	75	75	-	-	-	2,215	-	42	42					
FRONT END LOADER	-	-	15	15	15	19	19	-	-	-	377	-	25	25					
HULL DUMP	-	-	11	11	11	2	13	-	-	-	231	-	17	17					
HOLIST/CRANE/SKIP	-	-	5	5	5	1	6	-	-	-	85	-	29	29					
LABORER	1	1	113	114	114	48	162	6,000	6,000	50	3,361	50	5	5					
LOADING MACH. OPR	-	-	3	3	3	3	3	-	-	-	14	-	38	38					
MECHANIC/MAINTENANCE	-	-	95	101	101	39	140	-	-	100	3,819	-	12	12					
MINING MACH. OPR	-	-	10	10	10	13	13	-	-	-	118	-	22	22					
POWDERMAN/BLASTER	-	-	2	2	2	2	2	-	-	-	44	-	41	41					
PREP. PLANT OPR	-	-	16	16	16	4	20	-	-	-	649	-	41	41					
RAIL TRANS. AND HAUL	-	-	18	18	18	4	22	-	-	-	743	-	19	19					
ROCK/ROOF BOILER	-	-	12	12	12	5	23	-	-	-	231	-	21	21					
SUPERVISOR/FOREMAN	-	-	26	26	26	27	56	6,000	6,000	1,900	2,446	633	26	48					
TECH./PROP./CLERICAL	1	3	12	12	13	18	18	-	-	-	6,315	-	20	28					
TIMBERMAN/JACKSETTER	-	-	12	12	12	3	3	-	-	-	38	-	28	31					
TRUCK DRIVER	-	-	16	16	16	1	23	-	-	-	496	-	28	31					
WELDER/MACHINIST	-	-	19	19	19	12	31	-	-	-	585	-	28	31					
N.E.C. OR UNKNOWN	1	2	40	42	43	61	61	6,000	6,000	150	7,139	75	25	156					
TOTAL OR AVERAGE	2	9	534	543	545	219	764	12,000	12,000	2,250	18,171	250	30	55					

TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ALL COAL 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	NFI	TOTAL FATAL AND NFDL	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		TOTAL	TEMPO- RARY	TOTAL					TOTAL	PARTIAL				
TOTAL OR AVERAGE, U.S.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BELTMAN/ROOM OPR	-	11	594	605	605	103	708	-	1,785	16,284	18,069	162	27	30
BULLDOZER/MOBILE EQUIP	-	-	7	8	8	2	10	-	-	68	118	50	10	18
CAR DUMP/GRIZZLY/SCREEN	-	-	5	6	6	1	7	-	-	106	106	-	18	18
CLEAN/VENTILATION	-	-	217	217	217	38	255	-	-	6,116	6,116	-	28	28
CRANE/CRANE SHOVEL OPR	-	-	20	20	20	8	28	-	-	454	454	-	23	23
DREDGE/BARGE/BOAT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DRILL OPERATOR	-	-	41	41	41	1	49	-	-	1,335	1,335	-	33	33
ELECTRICIAN	1	2	439	441	442	116	558	6,000	100	12,791	18,891	50	29	43
FRONT END LOADER	-	-	15	15	15	4	19	-	-	377	377	-	25	25
HAUL DUMP	1	12	999	1,011	1,012	186	1,198	6,000	5,050	30,007	41,057	421	30	41
HOLST/CRANE/SKIP	-	-	5	5	5	2	7	-	-	85	85	-	17	17
LABORER	4	18	1,802	1,820	1,824	455	2,279	24,000	9,145	56,835	89,980	508	32	49
LOADING MACH. OPR	-	-	36	36	36	8	47	-	-	943	943	-	24	44
MECHANIC/MAINTENANCE	2	20	941	961	963	343	1,306	12,000	2,240	28,415	42,655	112	30	44
MINE/MINE OPR	8	16	875	891	899	173	1,072	48,000	11,000	40,245	88,245	688	33	98
POWERMAN/BLASTER	-	-	33	33	33	3	36	-	-	1,034	1,034	-	31	31
PREP PLANT OPR	-	-	16	16	16	4	20	-	-	649	649	-	41	41
RAIL TRANS. AND HAUL	-	-	3	3	3	46	289	-	-	8,744	9,544	267	36	38
ROCK/ROOF BOLTER	-	32	240	243	243	333	1,116	55,000	800	41,272	48,547	230	31	33
SUPERVISOR/FORMAN	11	13	1,342	1,355	1,356	322	1,678	54,000	7,375	28,489	82,489	777	32	83
TECH. (ROOF) CLERICAL	9	1	523	524	525	76	305	6,000	9,515	18,514	28,514	50	32	124
TIME/ROOF/ADJUSTER	1	2	44	45	45	51	72	-	50	1,540	1,590	50	32	124
TRUCK DRIVER	6	2	245	246	248	8	305	36,000	100	6,333	7,033	50	28	124
WELDER/MACHINIST	-	5	38	38	38	17	55	6,000	100	1,126	1,226	50	23	24
N.E.C. OR UNKNOWN	1	-	252	253	253	90	389	-	350	8,113	14,463	56	28	48
TOTAL OR AVERAGE	44	135	8,883	9,022	9,066	2,348	11,414	264,000	47,720	272,277	583,997	343	31	64
SURFACE MINES:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STRIP:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BELTMAN/ROOM OPR	2	9	269	278	280	103	383	12,000	500	7,672	8,172	56	4	4
BULLDOZER/MOBILE EQUIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEAN/VENTILATION	-	-	56	56	57	49	106	6,000	-	1,938	1,938	-	25	72
CRANE/CRANE SHOVEL OPR	1	2	87	89	89	35	124	-	110	2,277	2,387	-	35	139
DRILL OPERATOR	-	-	43	45	47	47	94	12,000	125	371	1,096	55	26	27
ELECTRICIAN	2	1	135	136	137	183	365	6,000	50	4,243	10,243	50	31	279
FRONT END LOADER	-	-	-	-	-	-	-	-	-	36	36	-	36	36
HAUL DUMP	-	-	1	1	1	1	2	-	-	10	10	-	10	10
HOLST/CRANE/SKIP	-	-	1	1	1	1	2	-	-	180	180	-	18	51
LABORER	1	3	136	139	140	52	232	6,000	-	2,436	2,536	53	18	51
LOADING MACH. OPR	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MECHANIC/MAINTENANCE	2	10	423	433	435	348	783	12,000	1,180	11,422	24,602	118	27	57
MINER	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINING MACH. OPR	-	-	6	6	6	1	6	-	-	89	89	-	15	15
POWERMAN/BLASTER	-	-	44	45	46	16	62	6,000	150	1,168	1,318	150	27	150
PREP PLANT OPR	-	1	12	13	13	27	40	-	300	298	598	300	33	54
RAIL TRANS. AND HAUL	-	-	2	2	2	1	3	-	-	25	25	-	12	12
SUPERVISOR/FORMAN	-	-	35	37	37	62	99	-	50	1,235	1,285	50	34	31
TECH. (ROOF) CLERICAL	-	-	-	-	-	-	-	-	-	215	215	-	24	24
TRUCK DRIVER	3	1	196	198	201	51	252	18,000	50	3,706	3,756	50	31	153
WELDER/MACHINIST	-	-	114	115	116	50	214	6,000	60	3,275	9,335	60	25	80
N.E.C. OR UNKNOWN	-	-	45	45	45	5	80	-	-	953	953	-	21	21
TOTAL OR AVERAGE	14	32	1,515	1,548	1,562	1,033	2,595	84,000	2,735	45,107	137,842	85	26	83

TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ALL COAL 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	
		TOTAL	PERMANENT	PARTIAL					TOTAL	PERMANENT	PARTIAL					TOTAL
AUGER:																
BULLDOZER/MOBILE EQUIP.	-	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
FRONT END LOADER	-	1	1	1	1	1	1	1	1	1	1	1	1	1	135	
LABORER	-	1	1	1	1	1	1	1	1	1	1	1	1	1	17	
MECHANIC/MAINTENANCE	-	1	1	1	1	1	1	1	1	1	1	1	1	1	60	
MIXING MACH. OPR.	-	1	1	1	1	1	1	1	1	1	1	1	1	1	4	
SUPERVISOR/FOREMAN	-	1	1	1	1	1	1	1	1	1	1	1	1	1	4	
TECH./PROP./CLERICAL	-	1	1	1	1	1	1	1	1	1	1	1	1	1	12	
TRUCK DRIVER	-	1	1	1	1	1	1	1	1	1	1	1	1	1	14	
N.E.C. OR UNKNOWN	-	1	1	1	1	1	1	1	1	1	1	1	1	1	34	
TOTAL OR AVERAGE	-	20	20	20	20	15	35	-	670	670	670	-	34	34	34	
CLIM BANK:																
BELTMAN/ROOM OPR.	-	4	4	4	4	1	1	-	206	206	206	-	52	52	52	
BULLDOZER/MOBILE EQUIP.	-	1	1	1	1	1	1	-	43	43	43	-	43	43	43	
DRAG/CRANE/SHOVEL OPR.	-	1	1	1	1	1	1	-	5	5	5	-	5	5	5	
ELECTRICIAN	-	1	1	1	1	1	1	-	11	11	11	-	11	11	11	
FRONT END LOADER	-	1	1	1	1	1	1	-	32	32	32	-	32	32	32	
LABORER	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	
PREP. PLANT OPR.	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	
SUPERVISOR/FOREMAN	-	1	1	1	1	1	1	-	5	5	5	-	5	5	5	
TECH./PROP./CLERICAL	-	1	1	1	1	1	1	-	60	60	60	-	60	60	60	
TRUCK DRIVER	-	1	1	1	1	1	1	-	7	7	7	-	7	7	7	
WELDER/MACHINIST	-	1	1	1	1	1	1	-	369	369	369	-	369	369	369	
TOTAL OR AVERAGE	-	15	15	15	15	6	21	-	369	369	369	-	25	25	25	
DREDGE:																
SUPERVISOR/FOREMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ALL COAL 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	TOTAL INJURIES	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL	PARTIAL				
TOTAL OR AVERAGE, SURFACE:													
BELTMAN/BOOM OPR.	2	274	2	283	285	368	12,000	-	500	8,300	56	4	4
BULLDOZER/MOBILE EQUIP.	1	-	57	57	58	103	6,000	-	-	1,981	-	25	72
CLEANUP/VENTILATION	1	2	87	89	89	124	12,000	-	110	2,277	55	5	136
DRAW/CRANE/SHEVEL OPR.	2	-	44	46	43	36	6,000	-	125	1,101	50	22	273
DRILL OPERATOR	1	1	138	139	140	187	6,000	-	50	4,304	50	31	74
ELECTRICIAN	1	-	1	1	1	2	-	-	-	3	-	10	36
FRONT END LOADER	1	-	1	1	1	2	6,000	-	-	2,753	53	15	61
HAUL DUMP	1	-	140	143	144	239	6,000	-	160	8,763	-	-	61
HOLST/CRANE/SKIP	1	3	140	143	144	789	12,000	-	1,160	12,686	118	27	56
LABORER	2	10	428	438	440	1	-	-	-	452	-	-	38
LOADING MACH. OPR.	-	-	12	12	12	21	-	-	-	1,336	150	33	160
MECHANIC/MAINTENANCE	1	-	44	45	46	62	6,000	-	150	7,338	150	33	160
MINER	-	-	13	13	13	41	-	-	300	638	300	27	54
POWDERMAN/BALASTER	1	-	2	2	2	3	-	-	-	26	-	12	12
PREP. PLANT OPR.	1	-	36	37	37	102	-	-	50	1,285	50	25	25
RAIL TRANS. AND HAUL	1	-	9	9	9	28	-	-	-	224	-	25	25
SUPERVISOR/FOREMAN	3	1	199	201	204	256	18,000	-	50	12,840	50	34	151
TECH./PROP./CLERICAL	1	-	115	116	117	215	6,000	-	60	3,342	60	21	80
TRUCK DRIVER	1	-	49	49	49	85	-	-	-	1,021	-	21	21
WELDER/MACHINIST	-	-	-	-	-	-	-	-	-	-	-	-	-
N.E.C. OR UNKNOWN	14	32	1,650	1,683	1,697	2,752	84,000	-	2,735	54,881	25	28	82
TOTAL OR AVERAGE													
TOTAL OR AVERAGE, MINING:													
BELTMAN/BOOM OPR.	2	11	596	607	607	711	12,000	-	1,785	18,077	162	27	30
BULLDOZER/MOBILE EQUIP.	1	10	281	291	293	398	-	-	550	8,498	-	25	70
CAR DUMP/CRITZLY/SCREEN	1	-	217	217	217	7	-	-	-	106	-	18	18
CLEANUP/VENTILATION	1	-	77	77	78	256	6,000	-	-	5,116	-	28	28
DRAW/CRANE/SHEVEL OPR.	1	-	128	130	130	135	-	-	110	3,722	55	31	108
DRILL OPERATOR	3	4	483	487	490	173	-	-	225	13,992	50	30	30
ELECTRICIAN	1	12	1,000	1,012	1,013	1,189	6,000	-	5,050	41,053	421	41	41
FRONT END LOADER	1	-	5	5	5	9	-	-	-	95	-	16	16
HAUL DUMP	1	-	1,942	1,953	1,958	2,518	30,000	-	9,305	55,438	443	34	50
HOLST/CRANE/SKIP	5	21	1,369	1,395	1,403	2,048	24,000	-	3,420	68,943	-	28	28
LABORER	4	30	1,369	1,395	1,403	2,048	24,000	-	3,420	68,943	-	28	28
LOADING MACH. OPR.	1	-	887	893	893	98	-	-	-	43,341	-	24	24
MECHANIC/MAINTENANCE	8	16	77	78	78	1,053	48,000	-	11,000	40,697	588	33	57
MINER	1	1	28	29	29	61	6,000	-	300	8,372	150	46	46
POWDERMAN/BALASTER	1	3	342	345	345	282	-	-	500	1,347	257	38	38
PREP. PLANT OPR.	11	32	1,342	1,374	1,385	1,718	56,000	-	7,375	9,567	90	31	43
RAIL TRANS. AND HAUL	9	14	625	643	643	1,039	36,000	-	9,625	28,774	230	33	42
SUPERVISOR/FOREMAN	1	2	53	54	55	305	6,000	-	50	1,764	50	20	20
TECH./PROP./CLERICAL	3	1	246	248	248	375	18,000	-	190	6,533	60	21	21
TRUCK DRIVER	1	1	153	154	155	270	6,000	-	60	7,081	60	21	21
WELDER/MACHINIST	1	-	341	341	341	474	6,000	-	250	9,485	25	27	27
N.E.C. OR UNKNOWN	58	171	10,533	10,705	10,763	14,155	345,000	-	50,455	374,678	295	38	57
TOTAL OR AVERAGE													

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

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY			
	FATAL	NFEL			TOTAL FATAL AND NFEL	TOTAL INJURIES	NFEL	FATAL	NFEL		TOTAL FATAL AND NFEL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFEL
		TOTAL	PARTIAL	TEMPO- RARY										
									TOTAL	PARTIAL				
INDEPENDENT SHOPS:														
BELTWAY/BOOM OPR.	-	-	-	4	4	1	-	-	-	222	-	-	-	56
BULLDOZER/MOBILE EQUIP.	-	-	-	1	1	1	-	-	-	7	-	-	-	7
CRANE/SHOVEL OPR.	-	-	-	1	1	2	-	-	-	53	-	-	-	53
DREDGE/CRANE/BOAT	-	-	-	1	1	2	-	-	-	13	-	-	-	27
ELECTRICIAN	-	-	-	3	3	33	-	-	-	82	-	-	-	17
FRONT END LOADER	-	-	-	21	21	12	-	-	-	353	-	-	-	42
LADDER	-	-	-	5	5	1	-	-	-	211	-	-	-	2
MECHANIC/MAINTENANCE	-	-	-	1	1	3	-	-	-	2	-	-	-	2
RAIL TRUCKS AND HAUL	-	-	-	1	1	2	-	-	-	89	-	-	-	44
SUPERVISOR/FOREMAN	-	-	-	2	2	1	-	-	-	255	-	-	-	36
TECH/PROP/CLERICAL	-	-	-	7	7	8	-	-	-	219	-	-	-	219
TRUCK DRIVER	-	-	-	1	1	2	-	-	-	1,506	-	-	-	31
WELDER/MACHINIST	-	-	-	48	48	80	-	-	-	1,506	-	-	-	31
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	4	881	25	856	885	1,276	391	24,000	1,620	26,841	52,461	85	31	59
PROCESSING PLANTS:														
BELTWAY/BOOM OPR.	-	-	-	8	8	9	-	-	-	173	-	-	-	22
BULLDOZER/MOBILE EQUIP.	-	-	-	53	53	14	-	-	-	1,722	-	-	-	31
CLEANUP/VENTILATION	-	-	-	4	4	2	-	-	-	16	-	-	-	4
CRANE/SHOVEL OPR.	-	-	-	23	23	5	-	-	-	954	-	-	-	41
DREDGE/CRANE/BOAT	-	-	-	16	16	3	-	-	-	869	-	-	-	54
DRILL OPERATOR	-	-	-	1	1	1	-	-	-	4	-	-	-	4
ELECTRICIAN	-	-	-	41	41	59	-	-	-	1,006	-	-	-	26
FRONT END LOADER	-	-	-	27	27	17	-	-	-	1,072	-	-	-	40
HAUL BUMP	-	-	-	112	112	40	-	-	-	3,782	-	-	-	33
LADDER	-	-	-	189	189	156	-	-	-	5,398	-	-	-	52
MECHANIC/MAINTENANCE	-	-	-	1	1	102	-	-	-	17	-	-	-	17
MINING MACH. OPR.	-	-	-	172	172	250	-	-	-	6,012	-	-	-	33
PREP PLANT OPR.	-	-	-	164	164	77	-	-	-	1,157	-	-	-	36
RAIL TRUCKS AND HAUL	-	-	-	32	32	9	-	-	-	1,377	-	-	-	27
SUPERVISOR/FOREMAN	-	-	-	51	51	40	-	-	-	434	-	-	-	18
TECH/PROP/CLERICAL	-	-	-	26	26	11	-	-	-	925	-	-	-	31
TRUCK DRIVER	-	-	-	30	30	10	-	-	-	2,775	-	-	-	35
WELDER/MACHINIST	-	-	-	18	18	6	-	-	-	468	-	-	-	26
N.E.C. OR UNKNOWN	-	-	-	856	881	24	-	-	-	1,506	-	-	-	31
TOTAL OR AVERAGE	4	881	25	856	885	1,276	391	24,000	1,620	26,841	52,461	85	31	59

TABLE 17. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ALL COAL 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			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFDL	TOTAL	PARTIAL					
															TOTAL	PARTIAL
TOTAL OR AVERAGE	62	1	196	11,437	11,634	3,826	15,522	372,000	5,000	52,075	346,770	404,845	776,845	266	30	56
ALL MINES AND PLANTS:																
BELT/HAND/COAL OPR.	2	-	11	-	604	106	721	12,000	-	1,785	16,465	18,250	18,250	182	27	30
BULLDOZER/MOBILE EQUIP.	-	-	12	-	338	119	471	-	-	650	9,792	10,442	22,442	54	29	64
CAR DUMP/GRIZZLY/SCREEN	-	-	-	-	6	1	7	-	-	-	106	106	106	-	18	18
CLEANUP/VENTILATION	-	-	-	-	221	41	262	-	-	-	6,132	6,132	6,132	-	28	28
DRAW/CRAVE/SHOVEL OPR.	-	-	-	-	101	63	165	-	-	-	3,366	3,366	3,366	-	54	54
DREDGE/CARGE/BOAT	-	-	-	-	16	6	22	6,000	-	-	869	869	869	-	28	28
DRIER OPERATOR	4	-	2	-	131	43	174	-	-	110	3,616	3,726	3,726	55	34	89
ELECTRICIAN	4	-	1	-	523	183	716	24,000	-	325	14,826	15,151	39,151	54	28	82
FRONT END LOADER	1	-	6	-	182	66	250	6,000	-	50	5,716	5,766	11,766	31	31	64
HAUL DUMP	1	-	12	-	1,000	187	1,200	6,000	-	5,050	30,043	35,093	41,093	421	16	41
HOLST/CRANE/SKIP	-	-	-	-	6	3	9	-	-	-	95	95	95	-	30	30
LABORER	5	-	25	-	2,057	591	2,678	30,000	-	9,515	63,082	72,607	102,607	381	16	49
LOADING MACH. OPR.	-	-	-	-	39	9	48	-	-	-	943	943	943	-	31	49
MECHANIC/MAINTENANCE	5	-	36	-	1,579	806	2,425	30,000	-	3,910	45,782	49,692	79,692	109	29	138
MILER	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
MINING MACH. OPR.	8	-	16	-	888	182	1,094	48,000	-	11,000	29,714	40,714	88,714	688	33	97
POWDERMAN/BLASTER	-	-	1	-	77	19	98	6,000	-	150	2,222	2,372	8,372	130	23	106
PREP. PLANT OPR.	1	-	9	-	192	109	311	6,000	-	860	6,489	7,359	13,359	96	36	66
RAIL TRANS. AND HAUL	-	-	-	-	274	37	334	6,000	-	800	9,926	10,726	13,726	267	35	39
ROCK/ROOF BOLTER	11	-	32	-	1,342	333	1,718	66,000	-	7,375	41,272	48,647	114,647	230	31	83
SUPERVISOR/FOREMAN	9	-	14	-	685	430	1,138	54,000	-	9,525	21,737	31,362	85,362	688	32	121
TECH./PROP./CLERICAL	1	-	3	-	81	56	138	6,000	-	150	2,200	2,350	8,350	50	28	78
TIMBERMAN/JACKSETTER	1	-	2	-	246	51	345	36,000	-	100	6,933	7,033	43,033	50	28	153
TRUCK DRIVER	4	-	3	-	270	70	348	24,000	6,000	-	8,635	14,845	38,845	50	32	140
WELDER/MACHINIST	1	-	2	-	224	161	388	6,000	-	120	6,878	12,998	12,998	60	31	57
N.E.C. OR UNKNOWN	1	-	6	-	366	133	500	6,000	-	350	9,821	10,171	16,171	58	27	44
TOTAL OR AVERAGE	62	1	196	11,437	11,634	3,826	15,522	372,000	5,000	52,075	346,770	404,845	776,845	266	30	56
OFFICE:																
DRILL OPERATOR	-	-	-	1	1	1	1	-	-	-	5	5	5	-	5	5
ELECTRICIAN	-	-	1	-	3	-	4	-	-	50	211	261	261	50	106	87
HAUL DUMP	-	-	-	1	1	-	1	-	-	-	8	8	8	-	8	8
LABORER	-	-	-	3	3	-	3	-	-	-	394	394	394	-	131	131
MECHANIC/MAINTENANCE	-	-	-	4	4	-	6	-	-	-	85	85	85	-	21	21
PREP. PLANT OPR.	-	-	-	-	-	-	1	-	-	-	7	7	7	-	7	7
RAIL TRANS. AND HAUL	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
ROCK/ROOF BOLTER	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SUPERVISOR/FOREMAN	-	-	-	5	5	-	5	-	-	-	181	181	181	-	36	36
TECH./PROP./CLERICAL	-	-	-	3	3	-	3	-	-	-	43	43	43	-	14	14
N.E.C. OR UNKNOWN	-	-	-	4	4	-	5	-	-	-	47	47	47	-	12	12
TOTAL OR AVERAGE	-	-	1	24	25	16	41	-	-	50	581	1,031	1,031	50	41	41

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

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL			NFDL	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL						TOTAL	PARTIAL					
GRAND TOTAL OR AVERAGE:	62	1	11,461	11,559	11,721	3,842	15,563	372,000	6,000	52,125	265	347,751	405,876	777,876	30	
BELTMAN/ROOM OPR	2	-	604	615	615	106	721	12,000	-	1,785	162	15,465	18,250	22,442	27	
BULLDOZER/MOBILE EQUIP	-	-	31	350	352	119	471	-	-	650	54	9,792	10,442	22,106	29	
CAR DUMP/GRIZZLY/SCREEN	-	-	6	6	6	1	7	-	-	-	-	106	106	-	18	
CLEANUP/VENTILATION	-	-	221	221	221	63	262	-	-	-	-	6,132	6,132	6,132	28	
DAG/CRANE/SHOVEL OPR	-	-	101	101	102	43	165	6,000	-	-	-	3,386	3,386	9,386	34	
DREDGE/BOAT	-	-	16	16	16	6	22	-	-	-	-	889	889	-	28	
DRILL OPERATOR	-	-	130	132	132	43	175	-	-	110	55	3,621	3,731	3,731	28	
ELECTRICIAN	4	-	525	532	536	184	720	24,000	-	375	54	15,412	39,412	39,412	29	
FRONT END LOADER	1	-	182	183	184	66	250	6,000	-	50	50	5,716	11,766	11,766	31	
HAUL DUMP	1	-	1,001	1,013	1,014	187	1,201	6,000	-	5,050	421	30,041	41,101	41,101	30	
HOTEL/CRANE/SKIP	-	-	6	6	6	3	9	-	-	-	-	95	95	95	16	
LABORER	5	-	2,080	2,085	2,090	591	2,681	30,000	-	9,515	381	63,485	73,001	103,001	49	
LOADING MACH. OPR	-	-	39	39	39	9	48	-	-	-	-	943	943	943	24	
MECHANIC/MAINTENANCE	5	-	1,583	1,619	1,624	808	2,432	30,000	-	3,910	109	45,867	49,777	79,777	29	
MINER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MINING MACH. OPR	8	-	888	904	912	182	1,094	48,000	-	11,000	588	29,714	40,714	88,714	33	
POWERMAN/BLASTER	1	-	77	78	79	19	98	6,000	-	150	150	2,222	2,372	8,372	29	
PREP. PLANT OPR	1	-	192	201	202	112	314	6,000	-	860	96	6,499	7,359	13,359	34	
RAIL TRAMP AND HAUL	-	-	275	278	278	57	335	-	-	-	-	9,933	10,733	10,733	36	
ROCK/ROOF BOLLER	-	-	1,342	1,374	1,385	334	1,719	66,000	-	7,375	230	41,972	48,547	114,547	31	
SUPERVISOR/FOREMAN	11	-	690	704	713	430	1,143	54,000	-	9,625	688	21,918	31,543	85,543	32	
TECH./PROP./CLERICAL	9	-	81	84	85	64	149	6,000	-	150	50	2,243	2,393	8,393	28	
TIMBERMAN/JACKSETTER	1	-	246	248	254	51	305	36,000	-	100	50	6,933	7,033	43,033	28	
TRUCK DRIVER	6	-	270	274	278	70	348	24,000	6,000	150	50	8,695	14,845	38,845	32	
WELDER	4	-	224	226	227	161	388	6,000	-	120	60	6,996	12,996	12,996	57	
WELDER/MACHINIST	1	-	364	370	371	134	505	6,000	-	350	58	9,888	10,218	16,218	27	
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	62	1	11,461	11,559	11,721	3,842	15,563	372,000	6,000	52,125	265	347,751	405,876	777,876	30	

TABLE 17A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1969

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	PARTIAL	TOTAL NFDL					
			TOTAL	PARTIAL											
UNDERGROUND MINES:															
UNDERGROUND:															
DRILL OPERATOR	-	-	1	19	1	1	-	-	-	-	12	12	-	12	
LABORER	-	-	19	2	19	23	-	-	-	-	313	313	-	16	
SUPERVISOR/FOREMAN	-	-	2	2	2	4	-	-	-	-	148	148	-	74	
TOTAL OR AVERAGE	-	-	22	22	22	28	-	-	-	-	473	473	-	22	
SURFACE AT UNDERGROUND:															
LABORER	-	-	1	1	1	1	-	-	-	-	28	28	-	28	
MECHANIC/MAINTENANCE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TECH./PROF./CLERICAL	1	-	-	-	-	1	-	5,000	-	-	-	5,000	-	5,000	
TOTAL OR AVERAGE	1	-	1	1	2	3	-	5,000	-	-	28	5,028	-	28	
TOTAL OR AVERAGE, UG:															
DRILL OPERATOR	-	-	1	20	1	1	-	-	-	-	12	12	-	12	
LABORER	-	-	20	4	20	24	-	-	-	-	341	341	-	17	
MECHANIC/MAINTENANCE	-	-	2	2	2	4	-	-	-	-	148	148	-	74	
SUPERVISOR/FOREMAN	1	-	-	-	1	1	-	5,000	-	-	-	5,000	-	5,000	
TECH./PROF./CLERICAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	1	-	23	23	24	31	-	5,000	-	-	501	5,501	-	271	
SURFACE MINES:															
STRIP:															
BULLDOZER/MOBILE EQUIP.	-	-	2	4	2	2	-	-	-	-	62	62	-	31	
DRAG/CRANE/SHOVEL OPR.	-	-	4	4	4	5	-	-	-	-	64	64	-	16	
DRILL OPERATOR	-	-	3	5	5	2	-	-	-	-	164	164	-	33	
ELECTRICIAN	-	-	2	1	1	1	-	-	-	-	6	6	-	6	
FRONT END LOADER	-	-	1	1	1	1	-	-	-	-	37	37	-	37	
LABORER	-	-	1	1	1	1	-	-	-	-	300	300	-	42	
MECHANIC/MAINTENANCE	-	-	15	16	16	20	-	-	-	-	924	924	-	58	
SUPERVISOR/FOREMAN	-	-	-	-	-	4	-	-	-	-	-	-	-	-	
TECH./PROF./CLERICAL	-	-	9	9	9	13	-	-	-	-	185	185	-	21	
TRUCK DRIVER	-	-	11	11	11	15	-	-	-	-	533	533	-	48	
WELDER/MACHINIST	-	-	3	3	3	3	-	-	-	-	95	95	-	32	
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	3	49	52	52	76	-	-	410	-	1,500	2,070	137	34	
DUMM BANK:															
BULLDOZER/MOBILE EQUIP.	-	-	2	2	2	2	-	-	-	-	160	160	-	80	
DRAG/CRANE/SHOVEL OPR.	-	-	1	1	1	1	-	-	-	-	43	43	-	43	
FRONT END LOADER	-	-	1	1	1	1	-	-	-	-	2	2	-	2	
LABORER	-	-	2	2	2	3	-	-	-	-	9	9	-	4	
TRUCK DRIVER	-	-	1	1	1	2	-	-	-	-	60	60	-	60	
WELDER/MACHINIST	-	-	1	1	1	1	-	-	-	-	7	7	-	7	
TOTAL OR AVERAGE	-	-	8	8	8	10	-	-	-	-	281	281	-	35	

TABLE 17A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ANTHRACITE COAL 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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PARTIAL	TOTAL NFDL					PERMANENT	TEMPO- RARY						
TOTAL OR AVERAGE, SURFACE:																
BULLDOZER/MOBILE EQUIP.	-	4	4	4	4	4	4	-	-	222	222	-	56	56	21	56
DRAG/CRANE/SHOVEL OPR.	-	5	5	5	5	5	5	-	-	107	107	-	21	21	18	33
DRILL OPERATOR	-	3	3	3	3	3	3	-	110	54	164	55	6	6	20	20
ELECTRICIAN	-	1	1	1	1	1	1	-	-	6	6	-	4	4	4	4
FRONT END LOADER	-	2	2	2	2	2	2	-	-	39	39	-	300	300	42	58
LABORER	-	15	15	16	16	16	16	-	300	624	924	974	4	4	4	4
MECHANIC/MAINTENANCE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUPERVISOR/FOREMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TECH./PROF./CLERICAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRUCK DRIVER	-	10	10	10	10	10	10	-	-	245	245	-	24	24	45	45
WELDER/MACHINIST	-	12	12	12	12	12	12	-	-	540	540	-	32	32	32	32
N.E.C. OR UNKNOWN	-	3	3	3	3	3	3	-	-	95	95	-	-	-	-	-
TOTAL OR AVERAGE	-	57	60	60	26	85	60	-	410	1,941	2,351	137	34	39	-	-
TOTAL OR AVERAGE, MINING:																
BULLDOZER/MOBILE EQUIP.	-	4	4	4	4	4	4	-	-	222	222	-	56	56	21	56
DRAG/CRANE/SHOVEL OPR.	-	5	5	5	5	5	5	-	-	107	107	-	21	21	16	29
DRILL OPERATOR	-	2	2	2	2	2	2	-	110	66	176	55	6	6	6	6
ELECTRICIAN	-	1	1	1	1	1	1	-	-	6	6	-	20	20	16	16
FRONT END LOADER	-	2	2	2	2	2	2	-	-	39	39	-	350	350	42	58
LABORER	-	22	22	22	22	22	22	-	300	624	924	300	74	74	74	74
MECHANIC/MAINTENANCE	-	15	15	16	16	16	16	-	-	148	148	-	6,000	6,000	5,000	5,000
SUPERVISOR/FOREMAN	-	2	2	2	2	2	2	-	-	245	245	-	24	24	24	24
TECH./PROF./CLERICAL	-	-	-	-	-	-	-	-	-	540	540	-	45	45	45	45
TRUCK DRIVER	-	10	10	10	10	10	10	-	-	95	95	-	32	32	32	32
WELDER/MACHINIST	-	12	12	12	12	12	12	-	-	95	95	-	-	-	-	-
N.E.C. OR UNKNOWN	-	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	80	83	84	33	117	84	6,000	410	2,442	2,852	137	31	105	-	-
TOTAL OR AVERAGE, PROCESSING PLANTS:																
BULLDOZER/MOBILE EQUIP.	-	3	3	3	3	3	3	-	-	99	99	-	33	33	29	33
DRAG/CRANE/SHOVEL OPR.	-	1	1	1	1	1	1	-	-	29	29	-	29	29	22	22
ELECTRICIAN	-	4	4	4	4	4	4	-	-	90	90	-	102	102	49	49
FRONT END LOADER	-	6	6	6	6	6	6	-	-	613	613	-	64	64	64	64
LABORER	-	18	18	20	20	20	20	-	100	877	977	50	65	65	29	29
MECHANIC/MAINTENANCE	-	11	11	11	11	11	11	-	-	705	705	-	29	29	3	3
PREP. PLANT OPR.	-	2	2	2	2	2	2	-	100	980	1,080	-	30	30	27	27
RAIL TRANS. AND HAUL	-	15	17	17	17	17	17	-	-	-	-	-	-	-	-	-
SUPERVISOR/FOREMAN	-	7	7	7	7	7	7	-	-	202	202	-	32	32	32	32
TECH./PROF./CLERICAL	-	2	2	2	2	2	2	-	-	6	6	-	-	-	-	-
TRUCK DRIVER	-	8	8	8	8	8	8	-	-	238	238	-	-	-	-	-
WELDER/MACHINIST	-	9	9	9	9	9	9	-	-	246	246	-	-	-	-	-
N.E.C. OR UNKNOWN	-	6	6	6	6	6	6	-	-	193	193	-	-	-	-	-
TOTAL OR AVERAGE	-	90	94	94	27	121	94	-	200	4,278	4,478	50	48	48	-	-

TABLE 17A. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ANTHRACITE COAL 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			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFDL	TOTAL	PARTIAL				
TOTAL OR AVERAGE															
ALL MINES AND PLANTS:															
BULLDOZER/MOBILE EQUIP.	-	-	-	7	7	5	7	-	-	-	321	-	46	46	
DRAW/CRANE/SHOVEL OPR.	-	-	-	6	6	6	11	-	-	-	136	-	23	23	
DRILL OPERATOR	-	-	-	4	4	5	6	-	-	-	176	-	16	16	
ELECTRICIAN	-	2	-	5	5	2	7	-	-	110	96	55	82	19	
FRONT END LOADER	-	-	-	8	8	2	10	-	-	-	652	-	31	82	
LABORER	-	-	-	40	42	12	54	-	-	100	1,277	50	31	32	
MECHANIC/MAINTENANCE	-	-	-	26	27	9	36	-	-	300	1,629	300	51	60	
PREP. PLANT OPR.	-	2	-	15	17	4	21	-	-	100	1,060	50	65	64	
RAIL TRNSP. AND HAUL	-	-	-	9	9	1	10	-	-	-	350	-	39	39	
SUPERVISOR/FOREMAN	-	-	-	2	2	3	5	6,000	-	-	6,006	-	3	2,002	
TECH./PROP./CLERICAL	1	-	-	18	18	6	24	-	-	-	483	-	27	27	
TRUCK DRIVER	-	-	-	21	21	6	27	-	-	-	786	-	37	37	
WELDER/MACHINIST	-	-	-	9	9	-	9	-	-	-	288	-	32	32	
N.E.C. OR UNKNOWN	-	-	-	170	177	60	238	6,000	-	610	6,720	87	40	75	
TOTAL OR AVERAGE	1	-	7	170	177	178	238	6,000	-	610	6,720	87	40	75	
GRAND TOTAL OR AVERAGE:															
BULLDOZER/MOBILE EQUIP.	-	-	-	7	7	6	7	-	-	-	321	-	46	46	
DRAW/CRANE/SHOVEL OPR.	-	-	-	6	6	6	11	-	-	-	136	-	23	23	
DRILL OPERATOR	-	-	-	4	4	5	6	-	-	-	176	-	16	16	
ELECTRICIAN	-	2	-	5	5	2	7	-	-	110	96	55	82	19	
FRONT END LOADER	-	-	-	8	8	2	10	-	-	-	652	-	31	82	
LABORER	-	-	-	40	42	12	54	-	-	100	1,277	50	31	32	
MECHANIC/MAINTENANCE	-	-	-	26	27	9	36	-	-	300	1,629	300	51	60	
PREP. PLANT OPR.	-	2	-	15	17	4	21	-	-	100	1,060	50	65	64	
RAIL TRNSP. AND HAUL	-	-	-	9	9	1	10	-	-	-	350	-	39	39	
SUPERVISOR/FOREMAN	1	-	-	18	18	3	24	6,000	-	-	6,006	-	3	2,002	
TECH./PROP./CLERICAL	-	-	-	21	21	6	27	-	-	-	483	-	27	27	
TRUCK DRIVER	-	-	-	21	21	6	27	-	-	-	786	-	37	37	
WELDER/MACHINIST	-	-	-	9	9	-	9	-	-	-	288	-	32	32	
N.E.C. OR UNKNOWN	-	-	-	170	177	60	238	6,000	-	610	6,720	87	40	75	
TOTAL OR AVERAGE	1	-	7	170	177	178	238	6,000	-	610	6,720	87	40	75	

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

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	LOST WORKDAYS					AVERAGE SEVERITY								
	FATAL	NFDL			TOTAL FATAL AND NFDL			NOL	TOTAL FATAL AND NFDL	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL					
		TOTAL	TEMPO- RARY	TOTAL							TOTAL	TEMPO- RARY					TOTAL				
																		TOTAL	PARTIAL	TOTAL	PARTIAL
UNDERGROUND MINES:																					
BELTMAN/ROOM OPR.	-	11	567	578	578	100	578	-	-	1,785	17,451	162	28	30							
CAR DUMP/GRIZZLY/SCREEN	-	-	6	6	6	7	6	-	-	-	106	-	18	18							
CLEANUP/VENTILATION	-	-	215	215	215	37	215	-	-	-	6,104	-	28	28							
DRILL OPERATOR	-	-	36	36	36	4	36	-	-	-	1,266	-	35	35							
ELECTRICIAN	1	2	386	388	389	94	483	6,000	-	100	10,576	50	27	43							
HAUL DUMP	1	12	988	1,000	1,001	184	1,185	6,000	-	5,050	34,826	421	30	41							
HOIST/DRAPE/SKIP	-	-	-	-	-	1	-	-	-	-	-	-	-	-							
LABORER	4	17	1,670	1,687	1,691	403	2,094	24,000	-	9,095	86,306	535	32	51							
LOADING MACH. OPR.	-	-	36	36	36	8	44	-	-	-	929	-	26	26							
MECHANIC/MAINTENANCE	-	18	842	860	862	304	1,166	12,000	-	2,140	26,835	119	29	45							
MINING MACH. OPR.	8	16	865	881	889	170	1,059	48,000	-	11,000	88,127	688	34	99							
POWDERMAN/BLASTER	-	-	31	31	31	3	34	-	-	-	990	-	32	32							
RAIL TRANS. AND HAUL	-	3	222	225	225	42	267	-	-	800	8,801	267	36	39							
ROCK/ROOF BOLT	11	32	1,330	1,362	1,373	328	1,701	66,000	-	7,375	48,416	230	31	83							
SUPERVISOR/FOREMAN	9	10	565	575	584	293	877	54,000	-	7,675	79,883	768	32	137							
TECH./PROF. CLERICAL	-	1	30	33	33	54	-	-	-	50	1,275	90	28	39							
TIMBERMAN/JACKSETTER	5	2	244	246	252	50	302	36,000	-	100	6,894	50	19	171							
TRUCK DRIVER	-	2	21	23	23	3	26	-	-	100	452	50	28	21							
WELDER/MACHINIST	-	-	19	19	19	5	24	-	-	200	541	-	28	29							
N.E.C. OR UNKNOWN	-	4	252	256	256	72	328	-	-	-	7,324	50	28	29							
TOTAL OR AVERAGE	42	130	8,327	8,457	8,499	2,123	10,622	252,000	-	45,470	301,353	350	31	65							
SURFACE AT UNDERGROUND:																					
BELTMAN/ROOM OPR.	-	-	27	27	27	3	27	-	-	-	618	-	23	23							
BULLDOZER/MOBILE EQUIP.	-	1	7	8	8	3	10	-	-	50	118	50	10	15							
CLEANUP/VENTILATION	-	-	2	2	2	1	3	-	-	-	12	-	6	6							
DRAPE/CRANE/SKIDDER OPR.	-	-	20	20	20	6	26	-	-	-	454	-	23	23							
DREDGE/RANGE/BOAT	-	-	-	-	-	1	1	-	-	-	-	-	-	-							
DRILL OPERATOR	-	-	4	4	4	4	8	-	-	-	57	-	14	14							
ELECTRICIAN	-	-	53	53	53	22	75	-	-	-	2,215	-	42	42							
FRONT END LOADER	-	-	15	15	15	4	19	-	-	-	377	-	25	25							
HAUL DUMP	-	-	11	11	11	2	13	-	-	-	231	-	17	17							
HOIST/DRAPE/SKIP	-	-	5	5	5	6	11	-	-	-	85	-	29	29							
LABORER	-	1	112	113	113	48	161	-	-	50	3,333	50	5	5							
LOADING MACH. OPR.	-	2	98	101	101	33	133	-	-	100	3,819	50	38	38							
MECHANIC/MAINTENANCE	-	-	10	10	10	3	13	-	-	-	118	-	12	12							
MINING MACH. OPR.	-	-	16	16	16	4	20	-	-	-	44	-	22	22							
POWDERMAN/BLASTER	-	-	2	2	2	4	6	-	-	-	649	-	41	41							
PREP. PLANT OPR.	-	-	18	18	18	4	22	-	-	-	743	-	41	41							
RAIL TRANS. AND HAUL	-	-	12	12	12	5	17	-	-	-	231	-	19	19							
ROCK/ROOF BOLT	-	-	26	26	26	27	56	-	-	1,900	2,448	633	21	84							
SUPERVISOR/FOREMAN	-	3	26	29	29	27	56	-	-	-	315	-	26	26							
TECH./PROF. CLERICAL	-	-	12	12	12	1	3	-	-	-	39	-	20	20							
TIMBERMAN/JACKSETTER	-	-	2	2	2	5	23	-	-	-	499	-	28	28							
TRUCK DRIVER	-	-	18	18	18	12	31	-	-	-	585	-	31	31							
WELDER/MACHINIST	-	2	40	42	43	18	61	6,000	-	150	1,139	75	25	166							
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
TOTAL OR AVERAGE	1	9	533	542	543	218	761	6,000	-	2,250	18,143	250	30	44							

TABLE 178. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT BILKINUS COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NFIDL	FATAL	PERMANENT			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY
		TOTAL	PARTIAL	TEMPO- RARY				TOTAL	PARTIAL				
TOTAL OR AVERAGE, LG:													
BELTMAN/ROOM OPR.	-	-	594	605	605	103	-	-	1,785	16,284	18,069	162	27
BULLDOZER/MOBILE EQUIP.	-	-	7	8	8	2	-	-	50	68	118	50	10
CAR DUMP/GRIZZLY/SCREEN	-	-	6	6	6	1	-	-	-	106	106	-	18
CLEANUP/VENTILATION	-	-	217	217	217	38	-	-	-	6,116	6,116	-	28
DRAW/CRANE/SWHEEL OPR.	-	-	20	20	20	8	-	-	-	454	454	-	23
DREDGE/BARGE/BOAT	-	-	-	-	-	1	-	-	-	-	-	-	-
DRILL OPERATOR	-	-	40	40	40	8	-	-	-	1,323	1,323	-	33
ELECTRICIAN	1	2	439	441	442	116	6,000	-	100	12,791	18,891	50	29
FRONT END LOADER	-	-	15	15	15	4	-	-	-	377	377	-	25
HAIL DUMP	1	12	999	1,011	1,012	186	6,000	-	5,050	30,007	41,057	421	30
HOT/STAGE/SKIP	-	-	5	5	5	2	-	-	-	85	85	-	17
LABORER	4	18	1,782	1,800	1,804	451	24,000	-	9,145	56,494	65,639	508	32
LOADING MACH. OPR.	-	-	39	39	39	8	-	-	-	943	943	-	24
MECHANIC/MAINTENANCE	2	20	941	961	963	342	12,000	-	2,240	28,415	30,655	112	30
MINING MACH. OPR.	8	16	875	891	896	173	48,000	-	11,000	29,245	38,245	688	33
POWDERMAN/BLASTER	-	-	33	33	33	3	-	-	-	1,034	1,034	-	31
PREP. PLANT OPR.	-	-	16	16	16	4	-	-	-	649	649	-	41
RAIL TRANS. AND HAIL	-	-	240	243	243	46	-	-	-	8,744	9,544	267	36
ROCK/ROOF BOLTER	11	32	1,342	1,374	1,385	333	65,000	-	7,375	48,647	114,647	47	230
SUPERVISOR/FOREMAN	9	13	591	604	613	320	54,000	-	9,575	18,766	82,341	737	31
TECH. PROF. /CLERICAL	-	-	44	45	45	26	-	-	50	1,540	1,590	50	35
TIMBERMAN/JACKSETTER	6	2	246	248	254	51	36,000	-	100	6,933	43,033	50	28
TRUCK DRIVER	-	-	39	41	41	8	-	-	100	891	991	50	23
WELDER/MACHINIST	-	-	38	38	38	17	-	-	100	1,126	1,126	50	24
N.E.C. OR UNKNOWN	1	-	292	298	299	90	6,000	-	350	8,113	14,463	58	28
TOTAL OR AVERAGE	43	139	8,860	8,999	9,042	2,341	258,000	-	47,720	271,776	319,496	343	31
SURFACE MINES:													
STRIP:													
BELTMAN/ROOM OPR.	-	-	2	2	2	-	-	-	-	8	8	-	4
BULLDOZER/MOBILE EQUIP.	2	9	267	276	278	103	12,000	-	500	7,610	20,110	56	29
CLEANUP/VENTILATION	-	-	-	-	-	-	-	-	-	-	-	-	-
DRAW/CRANE/SWHEEL OPR.	-	-	-	-	53	44	-	-	-	1,874	1,874	-	36
DRILL OPERATOR	-	-	52	52	84	35	-	-	-	2,223	2,223	-	26
ELECTRICIAN	2	2	42	44	46	46	12,000	-	125	1,000	13,000	62	23
FRONT END LOADER	1	1	134	135	136	46	6,000	-	50	4,256	10,256	50	31
HAIL DUMP	-	-	-	-	1	-	-	-	-	36	36	-	36
HOT/STAGE/SKIP	-	-	-	-	1	1	-	-	-	10	10	-	10
LABORER	1	3	136	139	140	91	6,000	-	160	2,436	8,586	53	18
LOADING MACH. OPR.	-	-	-	-	-	-	-	-	-	-	-	-	-
MECHANIC/MAINTENANCE	2	9	408	417	419	344	12,000	-	880	10,798	23,678	98	26
MINER	-	-	-	-	-	-	-	-	-	-	-	-	-
MINING MACH. OPR.	-	-	-	-	6	6	-	-	-	89	89	-	15
POWDERMAN/BLASTER	1	-	44	45	46	16	6,000	-	150	1,338	7,338	150	27
PREP. PLANT OPR.	-	-	12	13	13	27	-	-	300	398	698	300	33
RAIL TRANS. AND HAIL	-	-	-	-	2	1	-	-	-	25	25	-	12
SUPERVISOR/FOREMAN	-	-	-	-	37	58	-	-	50	1,235	1,285	50	34
TECH. PROF. /CLERICAL	-	-	-	-	7	18	-	-	-	215	215	-	35
TRUCK DRIVER	3	1	187	189	192	47	18,000	-	50	6,521	30,571	50	31
WELDER/MACHINIST	1	-	103	104	105	94	6,000	-	60	2,742	8,802	60	27
N.E.C. OR UNKNOWN	-	-	42	42	42	35	-	-	-	868	868	-	21
TOTAL OR AVERAGE	14	29	1,556	1,566	1,610	1,009	84,000	6,000	2,325	43,447	135,772	80	28

TABLE 17B. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT BITUMINOUS COAL 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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL																			
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFDL																		
TOTAL	PARTIAL																																	
AUGER: BULLDOZER/MOBILE EQUIP. - FRONT END LOADER - LABORER - MECHANIC/MAINTENANCE - MINING MACH. OPER. - SUPERVISOR/FOREMAN - TECH./PROP./CLERICAL - TRUCK DRIVER - N.E.C. OR UNKNOWN - TOTAL OR AVERAGE -----	-	-	-	1	1	1	1	-	-	-	2	2	-	2	2	2	135	17	60	4	12	14	34	-	23	5	4	23	-	5	13	-	-	
CULM BANK: BELTWAY/ROOM OPER. - BULLDOZER/MOBILE EQUIP. - ELECTRICIAN - FRONT END LOADER - LABORER - PREP. PLANT OPER. - SUPERVISOR/FOREMAN - TECH./PROP./CLERICAL - TOTAL OR AVERAGE -----	-	-	-	2	2	2	2	-	-	-	46	46	-	46	5	9	23	-	5	5	88	-	-	-	-	-	-	-	-	-	-	-	-	
DREDGE: SUPERVISOR/FOREMAN - TOTAL OR AVERAGE -----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL
		TOTAL	PARTIAL	TEMPORARY				TOTAL	PERMANENT	PARTIAL				
TOTAL OR AVERAGE, SURFACE:														
BELTMAN/ROOM OPR.	2	270	9	279	281	2	12,000	500	-	-	8,158	56	4	72
BUILDING/MOBILE EQUIP.	1	-	-	-	53	1	6,000	-	-	-	1,874	-	28	149
CLEANING/VENTILATION	1	-	-	-	84	1	6,000	-	-	-	2,223	-	36	26
DRAWING/CRANE/SHOVEL OPR.	2	43	2	45	47	2	12,000	125	-	-	4,265	62	23	279
ELECTRICIAN	1	136	1	137	138	1	6,000	50	-	-	36	50	74	36
FRONT END LOADER	1	1	-	1	1	1	6,000	-	-	-	10	-	10	10
HAUL, DUMP	1	1	-	1	1	1	6,000	-	-	-	2,754	-	46	62
HOLIST/CRANE/SKIP	1	138	3	141	142	1	6,000	160	-	-	10	53	10	62
LABORER	2	413	9	422	424	2	12,000	880	-	-	11,762	98	26	56
MECHANIC/MAINTENANCE	1	12	1	13	13	1	6,000	150	-	-	452	-	38	38
MINING MACH. OPR.	1	44	1	45	46	1	6,000	300	-	-	1,338	150	27	160
POWERMAN/BLOWER	1	12	1	13	13	1	6,000	50	-	-	688	300	33	54
PREP. PLANT OPR.	1	2	1	3	3	1	6,000	25	-	-	2	50	12	12
RAIL TRANS. AND HAUL	1	36	1	37	37	1	6,000	224	-	-	1,285	50	34	34
SUPERVISOR/FOREMAN	1	189	1	190	191	1	18,000	60	-	-	12,595	50	25	25
TECH. APT. /CLERICAL	3	103	1	104	105	3	6,000	60	-	-	30,595	50	158	158
TRUCK DRIVER	1	46	-	46	46	1	6,000	-	-	-	2,802	60	27	84
WELDER/MACHINIST	1	-	-	-	-	1	6,000	-	-	-	926	-	20	20
N.E.C. OR UNKNOWN	14	1,553	29	1,582	1,537	14	84,000	2,325	6,000	52,530	80	28	83	83
TOTAL OR AVERAGE														
TOTAL OR AVERAGE, MINING:														
BELTMAN/ROOM OPR.	2	596	11	607	607	2	12,000	1,785	-	-	18,077	162	27	30
BUILDING/MOBILE EQUIP.	1	277	10	287	289	1	6,000	550	-	-	8,276	55	28	70
CAR DUMP/GRIZZLY/SCREEN	1	217	-	217	217	1	6,000	-	-	-	106	-	18	18
CLEANING/VENTILATION	1	72	-	72	73	1	6,000	-	-	-	6,116	-	28	28
DRAWING/CRANE/SHOVEL OPR.	1	124	-	124	124	1	6,000	-	-	-	2,328	-	32	114
DREDGE/BARGE/BOAT	1	482	4	486	489	1	18,000	225	-	-	3,545	-	29	29
ELECTRICIAN	3	151	1	152	153	3	6,000	50	-	-	13,985	56	28	65
FRONT END LOADER	1	1,000	12	1,012	1,013	1	6,000	5,050	-	-	10,840	421	30	70
HAUL, DUMP	1	6	-	6	6	1	6,000	-	-	-	4,642	-	41	41
HOLIST/CRANE/SKIP	5	1,920	21	1,941	1,946	5	30,000	9,305	-	-	35,093	95	16	16
LABORER	4	39	29	68	67	4	24,000	3,120	-	-	68,943	443	31	51
LOADING MACH. OPR.	1	1,354	29	1,383	1,387	1	48,000	11,000	-	-	98,393	108	24	24
MECHANIC/MAINTENANCE	8	887	16	903	911	8	48,000	11,000	-	-	66,417	588	29	48
MINER	1	77	1	78	79	1	6,000	150	-	-	8,372	33	97	106
POWERMAN/BLOWER	1	28	1	29	29	1	6,000	300	-	-	1,347	150	29	106
PREP. PLANT OPR.	1	242	3	245	245	1	6,000	800	-	-	1,347	267	46	46
RAIL TRANS. AND HAUL	1	1,342	32	1,374	1,385	1	66,000	7,375	-	-	9,569	30	36	36
ROCK/ROOF BOILER	11	627	14	641	650	11	54,000	9,625	-	-	114,647	230	31	83
SUPERVISOR/FOREMAN	9	53	1	54	54	9	36,000	100	-	-	83,626	688	32	128
TECH. APT. /CLERICAL	1	246	2	248	249	1	18,000	150	-	-	1,814	50	33	34
TIMBERMAN/LADYSETTER	3	228	3	231	232	3	6,000	60	-	-	43,033	50	28	33
TRUCK DRIVER	1	141	1	142	143	1	6,000	350	-	-	13,596	50	169	169
WELDER/MACHINIST	1	338	6	344	345	1	6,000	-	-	-	9,928	60	69	69
N.E.C. OR UNKNOWN	57	10,453	168	10,621	10,679	57	342,000	50,045	6,000	372,026	298	30	45	45
TOTAL OR AVERAGE														

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

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	MIDL			TOTAL FATAL AND MIDL	MIDL	FATAL	MIDL			TOTAL FATAL AND MIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MIDL	
		TOTAL	PARTIAL	TEMPO- RARY				TOTAL MIDL	PERMANENT	PARTIAL					TOTAL MIDL
INDEPENDENT SHOPS:															
BELTMAN/ROOM OPR.	-	-	4	-	4	-	-	-	-	222	7	-	56	7	-
BULLDOZER/MOBILE EQUIP.	-	-	1	-	1	-	-	-	-	53	13	-	53	6	-
DREDGE/CRANE/SHOVEL OPR.	-	-	1	-	1	-	-	-	-	82	82	-	27	17	-
DREDGE/CRANE/BOAT	-	-	2	-	2	-	-	-	-	353	353	-	-	-	-
ELECTRICIAN	-	-	3	-	3	-	-	-	-	-	-	-	-	-	-
FRONT END LOADER	-	-	21	-	21	-	-	-	-	211	2	-	42	2	-
LABORER	-	-	5	-	5	-	-	-	-	89	255	-	44	44	-
MECHANIC/MAINTENANCE	-	-	1	-	1	-	-	-	-	219	219	-	36	36	-
RAIL TRAMP AND HAUL	-	-	2	-	2	-	-	-	-	1,506	1,506	-	31	31	-
SUPERVISOR/FOREMAN	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-
TECH./PROP./CLERICAL	-	-	7	-	7	-	-	-	-	-	-	-	-	-	-
TRUCK DRIVER	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-
WELDER/MACHINIST	-	-	48	-	48	-	-	-	-	-	-	-	-	-	-
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	787	-	791	-	24,000	-	1,420	22,583	47,983	68	29	61	-
PROCESSING PLANTS:															
BELTMAN/ROOM OPR.	-	-	8	-	8	-	-	-	-	173	173	-	22	30	-
BULLDOZER/MOBILE EQUIP.	-	-	50	-	52	-	-	-	-	1,523	1,523	-	42	42	-
CLEANUP/VENTILATION	-	-	4	-	4	-	-	-	-	16	16	-	4	4	-
DREDGE/CRANE/SHOVEL OPR.	-	-	22	-	22	-	-	-	-	925	925	-	54	54	-
DREDGE/CRANE/BOAT	-	-	16	-	16	-	-	-	-	869	869	-	4	4	-
DRILL OPERATOR	-	-	1	-	1	-	-	-	-	4	4	-	4	4	-
ELECTRICIAN	-	-	37	-	38	-	5,000	-	-	916	7,016	-	26	22	-
FRONT END LOADER	-	-	21	-	21	-	-	-	-	459	459	-	22	22	-
HAUL DUMP	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-
LABORER	-	-	94	-	96	-	-	-	-	2,895	2,895	-	35	29	-
MECHANIC/MAINTENANCE	-	-	178	-	184	-	6,000	-	-	5,293	11,293	-	82	61	-
MINING MACH. OPR.	-	-	6	-	6	-	-	-	-	17	17	-	17	17	-
PREP. PLANT OPR.	-	-	1	-	1	-	-	-	-	4,472	4,472	-	77	70	-
RAIL TRAMP AND HAUL	-	-	149	-	155	-	-	-	-	1,157	1,157	-	36	36	-
SUPERVISOR/FOREMAN	-	-	32	-	32	-	-	-	-	1,175	1,175	-	27	27	-
TECH./PROP./CLERICAL	-	-	44	-	44	-	-	-	-	528	528	-	19	31	-
TRUCK DRIVER	-	-	24	-	24	-	6,000	-	-	687	6,687	-	60	36	-
WELDER/MACHINIST	-	-	22	-	22	-	-	-	-	2,029	2,029	-	23	23	-
N.E.C. OR UNKNOWN	-	-	55	-	56	-	-	-	-	275	275	-	-	-	-
TOTAL OR AVERAGE	4	21	787	-	791	-	24,000	-	1,420	22,583	47,983	68	29	61	-

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

WORK LOCATION AND OCCUPATION AT TIME 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	
		PERMANENT	TEMPORARY					TOTAL	PERMANENT	TEMPORARY					TOTAL
			TOTAL	PARTIAL											
TOTAL OR AVERAGE	61	189	11,267	11,457	11,512	15,284	366,000	6,000	51,465	340,050	272	30	56		
ALL MINES AND PLANTS:															
BELTMAN/BOOM OPR	-	11	584	615	615	721	-	-	1,785	16,465	162	27	30		
BULLDOZER/MOBILE EQUIP	-	12	331	343	343	464	12,000	-	650	9,471	54	23	64		
CAR DUMP/GRIZZLY SCREEN	-	-	221	221	221	7	-	-	-	106	-	18	18		
CLEANUP/VENTILATION	-	-	41	41	41	262	-	-	-	6,132	-	26	26		
DRAW/CRAVE/SHOVEL OPR	-	-	95	95	95	154	6,000	-	-	3,260	-	34	34		
DREDGE/CARGE/BOAT	-	-	16	16	16	22	-	-	-	869	-	54	54		
DRILL OPERATOR	-	-	125	125	125	168	-	-	-	3,550	-	28	28		
ELECTRICIAN	4	6	518	524	524	708	24,000	-	305	14,730	54	28	82		
FRONT END LOADER	-	-	174	175	175	240	6,000	-	50	5,064	-	28	56		
HAUL DUMP	1	12	1,000	1,012	1,012	1,290	6,000	-	5,050	35,093	421	30	63		
HOLIST/CAGE/CRIP	-	-	6	6	6	9	-	-	-	95	-	16	41		
LABORER	-	-	23	2,017	2,040	2,624	30,000	-	9,415	61,365	405	24	50		
LOADING MACH OPR	-	35	1,553	1,588	1,588	48	30,000	-	3,610	44,453	103	29	49		
MECHANIC/MAINTENANCE	-	-	-	-	-	1	-	-	-	-	-	-	-		
MILNER	-	-	-	-	-	1	-	-	-	-	-	-	-		
MINING MACH OPR	3	16	886	904	904	1,064	48,000	-	11,000	26,714	328	33	37		
POWERMAN/BLASTER	-	7	177	178	178	98	6,000	-	150	2,272	150	29	106		
PREP PLANT OPR	-	-	-	-	-	260	-	-	-	5,519	105	31	36		
RAIL TRANS AND HAUL	-	3	274	277	277	250	-	-	760	6,273	267	36	39		
ROCK/ROOF BOLTER	11	30	1,342	1,374	1,374	333	56,000	-	800	10,726	236	31	33		
SUPERVISOR/FOREMAN	9	14	676	690	690	1,716	54,000	-	9,525	46,647	236	31	33		
TECH/PROF/CLERICAL	-	-	-	-	-	1	-	-	-	21,367	668	32	32		
TIMBERMAN/ADJSETTER	-	3	76	79	79	132	-	-	150	2,194	50	25	30		
TRUCK DRIVER	4	1	246	248	248	305	36,000	-	100	6,933	50	25	55		
WELDER/MACHINIST	6	1	262	265	265	324	24,000	6,000	150	8,212	50	33	148		
N.E.C. OR UNKNOWN	1	-	203	205	205	231	6,000	-	135	6,212	62	30	148		
	-	-	351	357	357	451	6,000	-	350	9,553	56	27	24		
TOTAL OR AVERAGE	61	189	11,267	11,457	11,512	15,284	366,000	6,000	51,465	340,050	272	30	56		
OFFICE:															
DRILL OPERATOR	-	1	1	1	1	1	-	-	-	5	5	5	5		
ELECTRICIAN	-	2	1	3	3	4	-	-	50	211	50	106	27		
HAUL DUMP	-	1	1	1	1	1	-	-	-	3	3	8	8		
LABORER	-	3	3	3	3	3	-	-	-	354	-	131	131		
MECHANIC/MAINTENANCE	-	4	4	4	4	4	-	-	-	85	-	21	21		
PREP PLANT OPR	-	-	-	-	-	-	-	-	-	7	-	7	7		
RAIL TRANS AND HAUL	-	-	-	-	-	-	-	-	-	-	-	-	-		
ROCK/ROOF BOLTER	-	-	-	-	-	-	-	-	-	-	-	36	36		
SUPERVISOR/FOREMAN	-	5	5	5	5	5	-	-	-	161	-	14	14		
TECH/PROF/CLERICAL	-	3	3	3	3	3	-	-	-	43	-	12	12		
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	47	-	41	41		
TOTAL OR AVERAGE	-	1	24	25	25	41	-	-	50	381	56	41	41		

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

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	PERMANENT		NFIDL	TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL
		TOTAL	PARTIAL	TOTAL										
GRAND TOTAL OR AVERAGE:	61	190	11,291	11,482	11,543	3,782	366,000	6,000	51,515	341,031	271	30	66	
BELT/HAND/ROOM OPR.	2	11	604	615	615	106	12,000	-	1,785	16,465	18,260	162	27	30
BULLDOZER/MOBILE EQUIP.	-	12	331	343	345	464	-	-	150	9,471	22,121	54	25	18
CAR DUMP/GRIZZLY/SCREEN	-	-	6	6	6	7	-	-	-	106	6,132	-	18	28
CLEANUP/VENTILATION	-	-	221	221	221	262	6,000	-	-	3,260	3,260	-	34	54
DRAW CRANE/SHOVEL OPR.	-	-	55	56	56	154	-	-	-	889	3,555	-	28	74
DREDGE/BARGE/BOAT	-	-	16	16	16	22	-	-	-	3,555	3,555	-	20	20
DRILL OPERATOR	-	-	126	126	126	169	-	-	-	14,941	15,316	54	31	41
ELECTRICIAN	4	7	520	527	531	713	24,000	-	375	5,064	11,114	-	20	20
FRONT END LOADER	1	1	174	175	176	240	6,000	-	50	30,061	41,101	421	30	41
HAIL DUMP	1	12	1,001	1,013	1,014	1,201	6,000	-	5,050	95	95	-	16	16
HOLST/CAGE/SKIP	-	-	6	6	6	9	-	-	-	62,259	101,674	409	31	50
LABORER	5	23	2,020	2,043	2,048	2,627	30,000	-	9,415	943	78,146	-	24	24
LOADING MACH. OPR.	5	35	1,557	1,592	1,597	2,396	30,000	-	3,610	44,538	88,714	103	33	97
METAL/MILK/MAINTENANCE	-	-	-	-	-	1	-	-	-	-	-	-	-	-
MINER	8	16	888	904	912	1,094	48,000	-	11,000	29,714	88,714	688	33	106
MINING MACH. OPR.	-	-	77	78	79	98	6,000	-	150	2,272	8,372	150	29	109
POUNDER/BLASTER	1	1	177	184	185	233	6,000	-	780	5,519	12,379	109	31	66
PREP. PLANT OPR.	-	-	275	278	278	334	-	-	-	9,073	12,733	267	30	39
RAIL TRAMP AND HAIL	-	-	1,342	1,378	1,385	1,719	66,000	-	800	41,772	114,647	230	31	83
ROCK/ROOF ROLLER	11	32	681	704	704	920	54,000	-	7,373	48,647	85,193	688	32	127
SUPERVISOR/FOREMAN	9	14	681	685	685	743	36,000	-	9,625	21,568	2,387	50	28	28
TECH. AIDE/CLERICAL	-	3	79	82	82	143	6,000	-	150	6,933	43,033	50	33	148
TIMEKEEPER/BOOKSETTER	6	3	246	248	254	324	24,000	-	100	2,237	38,362	50	30	59
TRUCK DRIVER	4	1	292	295	295	361	6,000	6,000	120	8,212	12,212	50	30	59
WELDER/MACHINIST	1	2	355	361	362	455	6,000	-	350	9,530	15,930	59	27	44
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	61	190	11,291	11,482	11,543	3,782	366,000	6,000	51,515	341,031	764,546	271	30	66

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT ALL COAL 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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL		
		PERMANENT	TEMPORARY	TOTAL				TOTAL	PARTIAL	TOTAL					TEMPORARY	TOTAL NFDL
UNDERGROUND MINES																
UNDERGROUND																
ELECTRICAL	2	-	107	107	109	20	129	12,000	-	-	2,258	-	21	131		
ENTRAPMENT	-	-	1	1	1	2	3	-	-	-	203	-	203	203		
EXPLODING VESSEL	1	-	15	15	16	4	20	5,000	-	-	139	-	9	384		
UNDER PRESSURE	-	-	10	10	10	5	15	-	-	-	183	-	18	18		
EXPLOSIVE AND BREAKING AGENT	-	-	22	22	22	4	26	-	-	-	731	-	33	33		
FALLING, ROLLING, OR SLIDING MATERIAL	-	-	138	138	140	30	170	12,000	-	-	4,997	-	30	115		
FALL 3' FACE, RIB, SIDE OR HIGHWALL	2	-	584	588	595	133	728	102,000	-	-	18,435	-	32	206		
FALL OF ROOF (UNDERGROUND MINES ONLY)	17	4	2,921	2,927	2,991	663	3,654	-	-	-	89,812	994	10	16		
FIRE	-	70	628	628	628	424	1,052	-	-	-	13,631	53	31	32		
HANDLING MATERIAL	-	4	24	24	25	5	30	-	-	-	748	190	21	32		
HAND TOOL	-	1	1,120	1,140	1,143	216	1,361	-	-	-	51,151	73	31	33		
NONPOWERED HAULAGE	3	20	2	2	2	-	2	18,000	-	-	86	1,144	34	34		
POWERED HAULAGE	-	-	2	2	2	-	2	-	-	-	58	-	43	43		
HOISTING	-	-	2	2	2	-	2	-	-	-	34,727	471	34	5,006		
IGNITION OR EXPLOSION OF GAS OR DUST	10	25	1,214	1,240	1,245	349	1,595	50,000	-	-	42,168	50	36	36		
MACHINERY	5	-	1,162	1,166	1,166	162	1,328	35,000	-	-	42,168	50	36	36		
SLIP OR FALL OF PERSON	-	4	172	172	172	34	206	-	-	-	4,202	-	24	24		
STEPPING OR KNEELING ON OBJECT	-	-	151	151	151	63	214	-	-	-	4,202	-	28	28		
STRIKING OR BUMPING	-	-	73	74	75	12	87	-	-	-	3,886	900	41	132		
OTHER INJURIES	1	-	8,349	8,479	8,521	2,129	10,650	5,000	-	-	301,826	350	31	65		
TOTAL OR AVERAGE	42	130	13	13	13	5	18	252,000	-	-	255	-	20	20		
SURFACE AT UNDERGROUND	-	-	13	13	13	5	18	-	-	-	255	-	20	20		
ELECTRICAL	-	-	2	2	2	1	3	-	-	-	43	-	10	10		
FALLING, ROLLING, OR SLIDING MATERIAL	-	-	211	218	218	95	313	5,000	-	-	7,992	300	28	37		
FIRE	1	7	50	50	50	43	93	-	-	-	1,121	-	22	22		
HANDLING MATERIAL	-	-	3	3	3	11	50	-	-	-	241	-	30	30		
HAND TOOL	-	-	37	38	39	11	50	-	-	-	1,301	-	30	30		
NONPOWERED HAULAGE	1	1	1	1	1	1	2	-	-	-	3	-	8	8		
POWERED HAULAGE	-	-	24	24	24	25	53	-	-	-	438	-	15	15		
IGNITION OR EXPLOSION OF GAS OR DUST	-	-	171	172	172	35	207	-	-	-	500	50	36	36		
MACHINERY	-	-	14	14	14	1	15	-	-	-	12	-	12	12		
SLIP OR FALL OF PERSON	-	-	3	3	3	4	7	-	-	-	3	-	1	1		
STEPPING OR KNEELING ON OBJECT	-	-	534	543	545	219	764	-	-	-	15,201	250	30	55		
STRIKING OR BUMPING	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	2	9	13	13	13	5	18	12,000	-	-	15,201	250	30	55		

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ALL COAL 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
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL				
2	-	-	120	1	122	25	147	12,000	-	-	2,523	-	21	119	
-	-	-	1	1	2	2	3	-	-	-	253	-	253	253	
1	-	-	15	15	16	4	20	5,000	-	-	139	-	9	384	
-	-	-	10	10	10	5	15	-	-	-	183	-	18	18	
-	-	-	24	24	24	5	29	-	-	-	752	-	31	31	
2	-	-	138	138	140	30	170	12,000	-	-	4,057	-	30	115	
17	-	4	584	588	595	133	738	102,000	-	3,375	18,435	954	32	206	
1	-	77	3,132	3,209	3,209	748	1,357	6,000	-	6,535	6,112	-	10	508	
-	-	4	674	678	678	467	1,145	-	-	750	102,236	85	21	22	
-	-	1	27	28	28	6	34	-	-	73	14,552	190	37	38	
4	-	21	1,157	1,175	1,182	229	1,411	24,000	-	22,970	1,064	1,054	34	73	
-	-	-	2	2	2	-	2	-	-	-	86	-	43	43	
10	-	-	3	3	3	1	14	50,000	-	-	75	-	25	4,521	
5	-	26	1,238	1,264	1,276	378	1,548	36,000	-	12,255	35,155	471	25	55	
-	-	5	1,333	1,338	1,338	197	1,535	-	-	250	48,304	50	36	36	
-	-	-	186	186	186	35	221	-	-	-	4,792	-	25	25	
-	-	-	152	152	152	16	218	-	-	-	4,214	-	28	28	
1	-	1	76	77	78	16	94	5,000	-	900	2,989	900	35	127	
44	-	139	8,883	9,022	9,065	2,348	11,414	254,000	-	47,720	272,777	343	31	584	
TOTAL OR AVERAGE															

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

WORK LOCATION AND ACCIDENT CLASSIFICATION	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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL
		TOTAL	PARTIAL	TEMPO- RARY				TOTAL	PARTIAL								
SURFACE MINES:																	
STRIP:																	
ELECTRICAL	2	-	-	8	10	14	12,000	-	-	118	12,118	-	15	1,212	-	15	-
ENTRAPMENT	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL	-	-	-	6	6	10	-	-	-	138	138	-	23	23	-	23	-
UNDER PRESSURE	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
EXPLOSIVE AND BREAKING	2	-	-	11	13	14	12,000	-	-	244	12,244	-	22	942	-	22	-
AGENT	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	-	-	-	1	1	4	-	-	-	103	103	-	103	103	-	103	-
SLIDING MATERIAL	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE	1	-	-	15	16	24	6,000	-	-	710	6,710	-	47	419	-	47	-
OR HIGHWALL	1	-	-	14	15	16	6,000	-	-	612	6,612	-	44	441	-	44	-
FIRE	-	-	-	462	462	349	-	-	-	10,462	11,462	-	24	25	-	24	-
HANDLING MATERIAL	-	-	-	18	135	202	6,000	-	-	2,537	8,537	-	8	8	-	8	-
HAND TOOL	1	-	-	1	1	6	-	-	-	50	50	-	38	38	-	38	-
NONPOWERED HAULAGE	2	-	-	202	203	254	12,000	-	-	7,722	19,722	-	35	95	-	35	-
POWERED HAULAGE	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-
HOISTING	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-
IGNITION OR EXPLOSION	-	-	-	8	8	9	-	-	-	109	109	-	14	14	-	14	-
OF GAS OR DUST	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
INMATION	3	-	-	204	212	385	18,000	-	-	4,999	23,894	-	25	113	-	25	-
MACHINERY	-	-	-	5	5	1	-	-	-	895	895	-	179	179	-	179	-
SLIP OR FALL OF	-	-	-	-	-	133	-	-	-	-	-	-	-	-	-	-	-
PERSON	1	1	3	504	505	661	6,000	6,000	6,000	150	28,037	50	32	56	-	32	-
STEPPING OR KNEELING	-	-	-	37	37	45	-	-	-	531	531	-	14	14	-	14	-
ON OBJECT	-	-	-	5	5	5	-	-	-	36	36	-	12	12	-	12	-
STRIKING OR BUMPING	-	-	-	28	29	62	6,000	-	-	894	894	-	30	236	-	30	-
OTHER INJURIES	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	14	1	32	1,615	1,648	2,285	84,000	6,000	6,000	45,107	137,842	65	28	83	-	28	-
AUGER:																	
FALL OF FACE, RIB, SIDE	-	-	-	2	2	2	-	-	-	55	55	-	28	28	-	28	-
OR HIGHWALL	-	-	-	6	6	6	-	-	-	41	41	-	7	7	-	7	-
HANDLING MATERIAL	-	-	-	2	2	4	-	-	-	167	167	-	84	84	-	84	-
HAND TOOL	-	-	-	2	2	3	-	-	-	24	24	-	12	12	-	12	-
POWERED HAULAGE	-	-	-	5	5	7	-	-	-	356	356	-	71	71	-	71	-
NONPOWERED HAULAGE	-	-	-	3	3	3	-	-	-	27	27	-	9	9	-	9	-
MACHINERY	-	-	-	3	3	1	-	-	-	670	670	-	34	34	-	34	-
SLIP OR FALL OF	-	-	-	20	20	35	-	-	-	16	16	-	4	4	-	4	-
PERSON	-	-	-	20	20	35	-	-	-	48	48	-	24	24	-	24	-
STRIKING OR BUMPING	-	-	-	1	1	1	-	-	-	23	23	-	12	12	-	12	-
TOTAL OR AVERAGE	-	-	-	20	20	35	-	-	-	670	670	-	34	34	-	34	-
CULM BANK:																	
HANDLING MATERIAL	-	-	-	4	4	5	-	-	-	16	16	-	4	4	-	4	-
HAND TOOL	-	-	-	2	2	1	-	-	-	48	48	-	24	24	-	24	-
NONPOWERED HAULAGE	-	-	-	1	1	1	-	-	-	23	23	-	12	12	-	12	-
POWERED HAULAGE	-	-	-	3	3	3	-	-	-	35	35	-	9	9	-	9	-
MACHINERY	-	-	-	5	5	7	-	-	-	247	247	-	49	49	-	49	-
SLIP OR FALL OF	-	-	-	15	15	21	-	-	-	369	369	-	25	25	-	25	-
PERSON	-	-	-	15	15	21	-	-	-	369	369	-	25	25	-	25	-
TOTAL OR AVERAGE	-	-	-	15	15	21	-	-	-	369	369	-	25	25	-	25	-

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

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFEL			TOTAL FATAL AND NFEL	TOTAL INJURIES	FATAL	NFEL			TOTAL FATAL AND NFEL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFEL	
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL	PARTIAL	TOTAL					
DREDGE, POWERED HAULAGE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, SURFACE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ELECTRICAL	2	-	3	3	10	4	12,000	-	-	118	12,118	-	15	1,212	
ENTRAPPED	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
EXPLODING VESSEL	-	-	5	5	5	4	-	-	-	138	138	-	23	23	
UNDER PRESSURE	-	-	-	-	-	10	-	-	-	-	-	-	-	-	
EXPLOSIVE AND BREAKING AGENT	2	-	11	11	13	1	12,000	-	-	244	12,244	-	22	942	
FALLING, ROLLING, OR SLIDING MATERIAL	-	-	-	-	-	3	-	-	-	103	103	-	103	103	
FALL OF FACE, RIB, SIDE OR HIGHWALL	1	-	17	17	12	3	6,000	-	-	155	6,255	-	45	376	
FIRE	1	-	14	14	15	1	6,000	-	-	512	6,512	-	44	441	
HANDLING MATERIAL	-	-	454	454	472	352	-	-	-	11,319	11,319	-	23	23	
HAND TOOL	1	-	134	134	140	207	6,000	-	-	2,740	6,372	-	21	21	
NONPOWERED HAULAGE	-	-	-	-	-	6	-	-	-	50	50	-	8	8	
POWERED HAULAGE	2	-	205	205	208	84	12,000	-	-	7,819	19,819	-	38	38	
HOISTING	-	-	-	-	-	1	-	-	-	35	35	-	23	23	
IGNITION OR EXPLOSION OF GAS OR DUST	-	-	6	6	6	3	-	-	-	109	109	-	14	14	
IMMERSION	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
MACHINERY	3	-	212	217	220	175	16,000	-	-	5,285	24,285	179	25	110	
SLIP OR FALL OF PERSON	1	1	508	512	513	161	5,000	5,000	5,000	150	22,311	50	32	35	
STEPPING OR KNEELING ON OBJECT	-	-	37	37	37	6	-	-	-	531	531	-	14	14	
STRIKING OR BUMPING	-	-	5	5	5	5	-	-	-	38	38	-	12	12	
OTHER INJURIES	1	-	26	26	29	33	5,000	-	-	254	6,654	-	58	256	
TOTAL OR AVERAGE	14	1	1,650	1,653	1,657	1,055	84,000	6,000	2,725	45,146	130,881	25	28	82	

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

WORK LOCATION AND ACCIDENT CLASSIFICATION	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	PARTIAL	TOTAL					TEMPO- RARY	TOTAL
TOTAL OR AVERAGE, MINING:																
ELECTRICAL	4	-	128	128	132	29	24,000	-	-	2,641	26,641	-	21	202		
ENTRAPMENT	-	-	1	1	1	3	-	-	-	293	293	-	293	293		
EXPLODING VESSEL	1	-	21	21	22	8	6,000	-	-	277	6,277	-	13	285		
UNDER PRESSURE	2	-	21	21	23	6	12,000	-	-	427	12,427	-	20	540		
EXPLOSIVE AND BREAKING	-	-	25	25	25	8	-	-	-	855	855	-	34	34		
AGENT	3	-	155	155	158	38	18,000	-	-	4,862	22,862	-	31	145		
FALLING, ROLLING, OR	17	4	584	588	605	133	102,000	-	-	18,435	124,410	-	32	205		
SLIDING MATERIAL	2	-	25	25	27	29	12,000	-	-	724	12,724	-	29	467		
FALL OF FACE, RIB, SIDE	1	95	3,586	3,681	3,681	1,100	6,000	-	-	106,203	113,758	-	30	31		
OR HIGHWALL	1	9	808	817	818	672	6,000	-	-	16,344	24,344	-	30	30		
FALL OF ROOF (UNDER-	6	22	1,362	1,384	1,390	313	36,000	-	-	47,271	106,271	-	36	37		
GROUND MINES ONLY)	-	-	3	3	3	3	-	-	-	121	121	-	35	76		
FIRE	10	-	11	11	21	2	60,000	-	-	185	60,185	-	17	2,866		
HANDLING MATERIAL	9	-	1,450	1,461	1,490	553	54,000	-	-	40,555	107,705	-	28	72		
HAND TOOL	1	8	1,841	1,850	1,851	358	6,000	-	-	64,215	76,615	-	35	41		
POWERED HAULAGE	-	-	223	223	223	43	-	-	-	5,323	5,323	-	24	24		
POWERED HAULAGE	2	-	157	157	157	71	-	-	-	4,272	4,272	-	27	27		
OTHER INJURIES	-	-	104	105	107	49	12,000	-	-	3,843	16,743	-	37	156		
TOTAL OR AVERAGE	58	1	10,533	10,705	10,763	3,403	348,000	-	-	318,423	722,878	-	30	67		
INDEPENDENT SHOPS:																
ELECTRICAL	-	-	2	2	2	2	-	-	-	55	55	-	28	28		
HANDLING MATERIAL	-	-	15	15	15	9	-	-	-	747	747	-	50	50		
HAND TOOL	-	-	11	11	11	10	-	-	-	164	164	-	15	15		
POWERED HAULAGE	-	-	3	3	3	3	-	-	-	131	131	-	44	44		
MACHINERY	-	-	4	4	4	8	-	-	-	104	104	-	26	26		
SLIP OR FALL OF	-	-	11	11	11	2	-	-	-	298	298	-	27	27		
PERSON	-	-	1	1	1	1	-	-	-	1	1	-	1	1		
STEPPING OR KNEELING	-	-	1	1	1	2	-	-	-	6	6	-	6	6		
ON OBJECT	-	-	1	1	1	2	-	-	-	1	1	-	1	1		
STRIKING OR BUMPING	-	-	1	1	1	2	-	-	-	6	6	-	6	6		
OTHER INJURIES	-	-	48	48	48	80	-	-	-	1,506	1,506	-	31	31		
TOTAL OR AVERAGE	-	-	48	48	48	80	-	-	-	1,506	1,506	-	31	31		

TABLE 18 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ALL COAL 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	
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL	PARTIAL	TOTAL					
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ALL COAL 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 NFDL				TOTAL	PARTIAL	TOTAL NFDL						
TOTAL OR AVERAGE																
ALL MINES AND PLANTS:																
ELECTRICAL	4	-	142	142	146	178	32	24,000	-	-	2,933	2,933	-	21	184	
ENTRAPMENT	-	-	1	1	1	4	3	-	-	-	293	293	-	293	293	
EXPLODING VESSEL	1	-	23	23	24	33	9	5,000	-	-	294	294	-	13	262	
UNDER PRESSURE	2	-	21	21	23	29	6	12,000	-	-	427	427	-	20	540	
EXPLOSIVE AND BREAKING	1	-	28	28	29	39	10	6,000	-	-	900	900	-	32	238	
AGENT	3	-	155	155	158	196	38	18,000	-	-	4,862	4,862	-	31	145	
FALLING, ROLLING, OR SLIDING MATERIAL	17	-	584	588	605	738	133	102,000	-	3,975	18,435	22,410	994	32	206	
FALL OF FACE, RIB, SIDE OR HIGHWALL	2	-	31	31	33	36	3	12,000	-	-	828	828	-	27	389	
FALL OF ROOF (UNDER- GROUND MINES ONLY)	1	-	3,906	4,017	4,018	5,259	1,241	6,000	-	8,545	116,459	131,004	77	30	33	
FIRE	1	-	12	12	13	15	1	6,000	-	1,540	20,031	21,571	128	22	29	
HANDLING MATERIAL	1	-	32	32	33	48	15	36,000	-	75	1,125	1,200	75	35	36	
HAND TOOL	6	-	1,424	1,446	1,452	1,784	332	-	-	23,020	49,421	72,441	1,046	40	75	
NONPOWERED HAULAGE	-	-	3	3	3	2	-	-	-	-	121	121	-	-	40	
POWERED HAULAGE	-	-	17	17	27	29	2	60,000	-	-	230	230	-	14	2,231	
HOISTING	10	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
IGNITION OR EXPLOSION OF GAS OR DUST	11	-	1,512	1,546	1,557	2,168	611	66,000	-	13,470	41,582	55,052	396	28	78	
INUNDATION	1	1	2,113	2,125	2,126	2,553	427	6,000	5,000	550	74,475	81,025	50	35	41	
MACHINERY	-	-	239	239	239	294	45	-	-	-	5,566	5,566	-	23	23	
SLIP OR FALL OF PERSON	-	-	165	165	165	239	74	-	-	-	4,695	4,695	-	28	28	
STEPPING OR KNEELING ON OBJECT	-	-	119	120	122	180	58	12,000	-	900	4,093	4,993	900	34	139	
STRICKING OR BUMPING OTHER INJURIES	2	-	1	1	1	1	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	62	1	11,437	11,634	11,696	15,522	3,826	372,000	6,000	52,075	346,770	404,845	266	30	66	
OFFICE:																
EXPLODING VESSEL	-	-	8	9	9	1	1	-	-	50	428	478	50	54	53	
UNDER PRESSURE	-	-	1	1	1	20	11	-	-	-	64	64	-	64	64	
HANDLING MATERIAL	-	-	1	1	1	3	2	-	-	-	3	3	-	3	3	
HAND TOOL	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
POWERED HAULAGE	-	-	11	11	11	12	1	-	-	-	463	463	-	42	42	
SLIP OR FALL OF PERSON	-	-	3	3	3	4	1	-	-	-	23	23	-	8	8	
OTHER INJURIES	-	-	24	25	25	41	16	-	-	50	981	1,031	50	41	41	
TOTAL OR AVERAGE	-	-	24	25	25	41	16	-	-	-	50	1,031	50	41	41	

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ALL COAL 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	TOTAL INJURIES	NOL	FATAL	NFIDL		TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL
		TOTAL	PERMANENT						TOTAL NFIDL					
			TOTAL	PARTIAL										
GRAND TOTAL OR AVERAGE:	4	-	-	142	146	32	24,000	-	-	2,933	26,933	-	21	184
ELECTRICAL	-	-	-	1	1	3	-	-	-	293	293	-	293	293
ENTRAPMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL	1	-	-	23	24	10	6,000	-	-	294	6,294	-	13	262
UNDER PRESSURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLOSIVE AND BREAKING	2	-	-	21	23	6	12,000	-	-	427	12,427	-	20	540
AGENTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	1	-	-	28	29	10	6,000	-	-	900	6,900	-	32	238
SLIDING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE	3	-	-	155	158	38	18,000	-	-	4,862	22,862	-	31	145
OR HIGHWALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF ROOF (UNDER-	17	-	4	584	588	133	102,000	-	3,975	18,435	124,410	994	32	206
GROUND MINES ONLY)	2	-	31	31	33	36	12,000	-	-	828	12,828	27	27	389
FIRE	-	-	-	3,914	4,026	1,252	6,000	-	-	116,887	131,482	77	30	33
HANDLING MATERIAL	1	-	112	923	936	788	6,000	-	8,505	20,095	27,635	128	22	30
HAND TOOL	-	-	12	32	33	15	-	-	1,540	1,125	2,665	73	36	36
NONPOWERED HAULAGE	-	-	1	1,425	1,453	332	36,000	-	23,020	49,424	108,444	1,046	35	75
POWERED HAULAGE	6	-	22	3	3	-	-	-	-	121	121	-	40	40
HOISTING	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IGNITION OR EXPLOSION	10	-	-	17	27	2	60,000	-	-	230	60,230	-	14	2,231
OF GAS OR DUST	-	-	-	-	-	1	-	-	-	-	-	-	-	-
INUNDATION	11	-	34	1,512	1,557	611	66,000	-	13,470	41,582	121,052	396	28	78
MACHINERY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIP OR FALL OF	1	1	11	2,124	2,137	428	6,000	6,000	550	74,938	87,488	50	35	41
PERSON	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEPPING OR KNEELING	-	-	-	239	239	45	-	-	-	5,566	5,566	-	23	23
ON OBJECT	-	-	-	165	165	74	-	-	-	4,695	4,695	-	28	28
STRIKING OR BUMPING	2	-	1	122	123	59	12,000	-	900	4,116	17,016	900	34	136
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	62	1	197	11,461	11,659	3,842	372,000	6,000	52,125	347,751	777,876	285	30	66

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

WORK LOCATION AND ACCIDENT CLASSIFICATION	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	TOTAL						TOTAL	PERMANENT	PARTIAL									
			TOTAL	TEMPO- RARY	TOTAL NFDL															
UNDERGROUND MINES:																				
UNDERGROUND:																				
FALL OF ROOF (UNDER- GROUND MINES ONLY)	-	-	-	3	3	-	3	-	-	-	-	-	7	7						
HANDLING MATERIAL	-	-	-	6	6	3	9	-	-	-	-	-	14	14						
HAND TOOL	-	-	-	5	5	1	6	-	-	-	-	-	11	11						
POWERED HAULAGE	-	-	-	3	3	1	4	-	-	-	-	-	56	56						
MACHINERY	-	-	-	3	3	1	4	-	-	-	-	-	40	40						
SLIP OR FALL OF PERSON	-	-	-	2	2	1	3	-	-	-	-	-	13	13						
TOTAL OR AVERAGE	-	-	-	22	22	6	28	-	-	-	-	-	22	22						
SURFACE AT UNDERGROUND:																				
HANDLING MATERIAL	1	-	-	-	-	1	1	6,000	-	-	-	-	-	6,000						
POWERED HAULAGE	-	-	-	1	1	-	1	-	-	-	-	-	28	28						
SLIP OR FALL OF PERSON	-	-	-	1	1	-	1	-	-	-	-	-	28	28						
TOTAL OR AVERAGE	1	-	-	1	1	1	3	6,000	-	-	-	-	28	3,014						
TOTAL OR AVERAGE, UG:																				
FALL OF ROOF (UNDER- GROUND MINES ONLY)	-	-	-	3	3	-	3	-	-	-	-	-	7	7						
HANDLING MATERIAL	-	-	-	6	6	4	10	-	-	-	-	-	14	14						
HAND TOOL	-	-	-	5	5	1	6	-	-	-	-	-	11	11						
POWERED HAULAGE	1	-	-	3	3	1	4	6,000	-	-	-	-	56	1,542						
MACHINERY	-	-	-	3	3	1	4	-	-	-	-	-	40	40						
SLIP OR FALL OF PERSON	-	-	-	3	3	1	4	-	-	-	-	-	18	18						
TOTAL OR AVERAGE	1	-	-	23	23	7	31	6,000	-	-	-	-	22	271						
SURFACE MINES:																				
STRIP:																				
HANDLING MATERIAL	-	2	-	11	13	12	25	-	-	-	-	55	20	26						
HAND TOOL	-	1	-	6	7	4	11	-	-	-	-	300	56	91						
POWERED HAULAGE	-	-	-	3	3	1	4	-	-	-	-	-	35	35						
MACHINERY	-	-	-	8	8	1	9	-	-	-	-	-	26	26						
SLIP OR FALL OF PERSON	-	-	-	20	20	6	26	-	-	-	-	-	38	38						
OTHER INJURIES	-	-	-	1	1	1	2	-	-	-	-	-	5	5						
TOTAL OR AVERAGE	-	3	-	49	52	24	76	-	-	-	-	137	34	40						

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

WORK LOCATION AND ACCIDENT CLASSIFICATION	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	PARTIAL					
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CULM BANK HANDLING MATERIAL----- HAND TOOL----- NONPOWERED HAULAGE----- MACHINERY----- SLIP OR FALL OF PERSON----- TOTAL OR AVERAGE-----	-	-	3	3	3	1	4	-	-	-	11	11	-	-	4	4
	-	-	1	1	1	1	1	-	-	-	43	43	-	-	43	43
	-	-	2	2	2	-	2	-	-	-	31	31	-	-	16	16
	-	-	2	2	2	-	2	-	-	-	196	196	-	-	98	98
	-	-	8	8	8	2	10	-	-	-	281	281	-	-	35	35
TOTAL OR AVERAGE-----	-	-	16	16	16	13	29	-	-	-	346	346	55	17	22	22
TOTAL OR AVERAGE, SURFACE: HANDLING MATERIAL----- HAND TOOL----- NONPOWERED HAULAGE----- POWERED HAULAGE----- MACHINERY----- SLIP OR FALL OF PERSON----- OTHER INJURIES----- TOTAL OR AVERAGE-----	-	2	14	16	16	13	29	-	-	-	346	346	55	17	22	22
	-	1	7	8	8	4	12	-	-	-	679	679	300	54	85	85
	-	-	3	3	3	1	1	-	-	-	105	105	-	35	35	35
	-	-	10	10	10	1	11	-	-	-	240	240	-	24	24	24
	-	-	22	22	22	6	28	-	-	-	976	976	-	44	44	44
	-	-	1	1	1	1	2	-	-	-	5	5	-	5	5	5
	-	3	57	60	60	26	86	-	-	-	2,351	2,351	137	34	39	39
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, MINING: FALL OF ROOF (UNDER- GROUND MINES ONLY)----- HANDLING MATERIAL----- HAND TOOL----- NONPOWERED HAULAGE----- POWERED HAULAGE----- MACHINERY----- SLIP OR FALL OF PERSON----- OTHER INJURIES----- TOTAL OR AVERAGE-----	-	-	3	3	3	-	3	-	-	-	22	22	-	7	7	7
	-	2	20	22	22	17	39	-	-	-	429	429	55	16	20	20
	-	1	12	13	13	5	18	-	-	-	733	733	300	56	56	56
	-	-	6	6	6	1	7	-	-	-	273	273	-	46	896	896
	1	-	13	13	13	2	15	6,000	-	-	360	360	-	28	28	28
	-	-	25	25	25	7	32	-	-	-	1,030	1,030	-	41	41	41
	-	-	1	1	1	1	2	-	-	-	5	5	-	5	5	5
	-	-	80	83	84	33	117	-	-	-	2,852	2,852	137	31	105	105
TOTAL OR AVERAGE-----	1	3	-	-	-	-	-	6,000	-	-	-	-	-	-	-	-
PROCESSING PLANTS: EXPLODING VESSEL----- UNDER PRESSURE----- HANDLING MATERIAL----- HAND TOOL----- NONPOWERED HAULAGE----- POWERED HAULAGE----- MACHINERY----- SLIP OR FALL OF PERSON----- STEPPING OR KNEELING ON OBJECT----- STRIKING OR BUMPING----- OTHER INJURIES----- TOTAL OR AVERAGE-----	-	-	1	1	1	-	1	-	-	-	3	3	-	3	3	3
	-	4	35	39	39	4	43	-	-	-	1,430	1,430	50	35	37	37
	-	-	5	5	5	8	13	-	-	-	121	121	-	24	24	24
	-	-	1	1	1	1	1	-	-	-	10	10	-	10	10	10
	-	-	8	8	8	1	9	-	-	-	495	495	-	62	62	62
	-	-	5	5	5	5	10	-	-	-	97	97	-	19	19	19
	-	-	31	31	31	8	39	-	-	-	2,054	2,054	-	66	66	66
	-	-	3	3	3	-	3	-	-	-	45	45	-	15	15	15
	-	-	1	1	1	1	1	-	-	-	223	223	-	223	223	223
	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
	-	4	90	94	94	27	121	-	-	-	4,478	4,478	50	48	48	48
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 18A. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ANTHRACITE COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TOTAL	PARTIAL					TOTAL	TEMPO- RARY	TOTAL NFDL				
TOTAL OR AVERAGE: ALL MINES AND PLANTS: EXPLODING VESSEL UNDER PRESSURE FALL OF ROOF (UNDER- GROUND MINES ONLY) HANDLING MATERIAL HAND TOOL NONPOWERED HAULAGE POWERED HAULAGE MACHINERY SLIP OR FALL OF PERSON STEPPING OR KNEELING ON OBJECT STRIKING OR BUMPING OTHER INJURIES TOTAL OR AVERAGE	1	-	-	1	1	1	-	-	-	-	3	-	3	3	3
GRAND TOTAL OR AVERAGE: EXPLODING VESSEL UNDER PRESSURE FALL OF ROOF (UNDER- GROUND MINES ONLY) HANDLING MATERIAL HAND TOOL NONPOWERED HAULAGE POWERED HAULAGE MACHINERY SLIP OR FALL OF PERSON STEPPING OR KNEELING ON OBJECT STRIKING OR BUMPING OTHER INJURIES TOTAL OR AVERAGE	1	-	-	1	1	1	-	-	-	-	3	-	3	3	3

TABLE 182. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT BITUMINOUS COAL 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				TOTAL	PARTIAL					
										TOTAL				
UNDERGROUND MINES:														
UNDERGROUND:														
ELECTRICAL	2	-	107	107	109	129	20	12,000	-	-	2,258	-	21	131
ENTRAPMENT	-	-	1	1	1	3	2	-	-	-	253	-	253	283
EXPLODING VESSEL	1	-	15	15	16	20	4	6,000	-	-	139	-	9	384
UNDER PRESSURE	-	-	10	10	10	15	5	-	-	-	183	-	18	18
EXPLOSIVE AND BREAKING AGENT	-	-	22	22	22	26	4	-	-	-	731	-	33	33
FALLING, ROLLING, OR SLIDING MATERIAL	-	-	138	138	140	170	30	12,000	-	-	4,097	-	30	115
FALL OF FACE, RIB, SIDE OR HIGHWALL	2	-	581	585	602	735	133	102,000	-	-	18,413	-	32	207
FALL OF ROOF (UNDERGROUND MINES ONLY)	17	-	7	7	7	8	1	-	-	3,975	69	-	10	32
FIRE	-	-	2,915	2,965	2,985	3,645	660	-	-	4,435	94,164	63	31	32
HANDLING MATERIAL	-	-	619	623	623	1,046	423	-	-	760	13,777	190	21	22
HAND TOOL	-	-	24	25	25	30	5	-	-	75	823	75	31	33
NONPOWERED HAULAGE	3	-	1,117	1,140	1,140	1,358	218	18,000	-	22,870	60,963	1,144	34	69
POWERED HAULAGE	-	-	2	2	2	2	2	-	-	-	86	-	43	43
HOISTING	-	-	2	2	2	2	2	-	-	-	68	-	34	5,066
IGNITION OR EXPLOSION OF GAS OR DUST	10	-	1,211	1,237	1,243	1,591	348	60,000	-	12,255	34,607	471	29	67
MACHINERY	6	-	1,160	1,164	1,164	1,325	161	36,000	-	200	46,862	50	36	36
SLIP OR FALL OF PERSON	-	-	172	172	172	206	34	-	-	-	4,202	-	24	24
STEPPING OR KNEELING ON OBJECT	-	-	151	151	151	214	63	-	-	-	4,202	-	28	28
STRIKING OR BUMPING	-	-	73	74	75	87	12	-	-	900	3,886	900	41	132
OTHER INJURIES	1	-	8,327	8,457	8,499	10,622	2,123	5,000	-	-	2,986	-	31	65
TOTAL OR AVERAGE	42	-	8,327	8,457	8,499	10,622	2,123	252,000	-	45,470	255,883	350	31	65
SURFACE AT UNDERGROUND:														
ELECTRICAL	-	-	13	13	13	18	5	-	-	-	265	-	20	20
FALLING, ROLLING, OR SLIDING MATERIAL	1	-	2	2	2	3	1	-	-	-	21	-	10	10
FIRE	-	-	4	4	5	5	5	-	-	-	43	-	11	1,209
HANDLING MATERIAL	-	-	211	218	218	302	84	6,000	-	2,100	7,992	300	26	37
HAND TOOL	-	-	50	50	50	93	43	-	-	-	1,121	-	22	22
NONPOWERED HAULAGE	-	-	3	3	3	4	1	-	-	-	241	-	80	80
POWERED HAULAGE	-	-	37	38	38	49	11	-	-	100	1,301	100	32	34
IGNITION OR EXPLOSION OF GAS OR DUST	-	-	1	1	1	2	1	-	-	-	8	-	8	8
MACHINERY	-	-	24	24	24	53	29	-	-	-	438	-	18	18
SLIP OR FALL OF PERSON	-	-	170	171	171	206	35	-	-	50	6,058	50	36	36
STEPPING OR KNEELING ON OBJECT	-	-	14	14	14	15	1	-	-	-	590	-	42	42
STRIKING OR BUMPING	-	-	1	1	1	4	3	-	-	-	12	-	12	12
OTHER INJURIES	-	-	3	3	3	7	4	-	-	-	3	-	1	1
TOTAL OR AVERAGE	1	-	533	542	543	761	218	6,000	-	2,250	18,143	250	30	44

TABLE 188 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT BITUMINOUS COAL 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	
		PERMANENT	TEMPO- RARY					TOTAL	PARTIAL	TOTAL NFDL					
			TOTAL	PARTIAL											
															TOTAL
TOTAL OR AVERAGE, UG:	43	8,860	8,999	9,042	11,383	258,000	319,456	47,720	577,456	343	31	64			
ELECTRICAL	2	-	120	1	122	147	12,000	2,523	-	14,523	-	21	119		
ENTRAPPED	-	-	1	1	1	3	-	293	-	293	-	293	293		
EXPLODING VESSEL	-	-	15	15	15	20	5,000	139	-	5,139	-	9	384		
UNDER PRESSURE	1	-	-	-	-	15	-	-	-	-	-	-	-		
EXPLOSIVE AND BREAKING	-	-	10	10	10	15	-	-	-	183	-	18	18		
AGENT	-	-	-	-	-	29	-	-	-	752	-	31	31		
FALLING, ROLLING, OR	-	-	24	24	24	29	-	-	-	4,097	-	30	115		
SLIDING MATERIAL	-	-	138	138	140	170	12,000	4,097	-	16,097	-	30	115		
FALL OF FACE, RIB, SIDE	2	-	-	-	-	735	-	-	-	18,413	994	32	207		
OR HIGHWALL	17	-	585	585	592	735	102,000	22,388	3,975	124,388	994	32	207		
FALL OF ROOF (UNDER-	1	-	11	11	12	13	5,000	112	-	6,112	-	10	509		
GROUND MINES ONLY)	1	-	3,203	3,203	3,203	3,947	-	95,621	-	102,156	-	31	32		
FIRE	-	-	669	673	673	1,139	-	14,138	6,535	14,898	190	21	22		
HANDLING MATERIAL	-	-	27	28	28	34	-	75	75	1,064	75	37	38		
HAND TOOL	-	-	1,154	1,175	1,178	1,407	-	39,314	22,970	80,284	1,094	34	68		
NONPOWERED HAULAGE	3	-	2	2	2	2	18,000	86	-	18,086	-	43	43		
POWERED HAULAGE	-	-	-	-	-	-	-	-	-	-	-	-	-		
HOISTING	-	-	-	-	-	14	-	-	-	75	-	25	4,621		
IGNITION OR EXPLOSION	10	-	3	3	13	14	50,000	75	-	50,075	-	25	66		
OF GAS OR DUST	6	-	1,235	1,261	1,267	1,644	36,000	35,045	12,255	83,300	471	28	36		
MACHINERY	-	-	1,330	1,335	1,335	1,531	-	48,250	250	48,250	50	35	35		
SUP OR FALL OF	-	-	5	5	5	221	-	-	-	4,792	-	26	26		
PERSON	-	-	186	186	186	221	-	-	-	4,792	-	26	26		
STEERING OR WHEELING	-	-	152	152	152	218	-	-	-	4,214	-	28	28		
ON OBJECT	-	-	75	77	78	94	6,000	-	900	9,889	900	39	127		
STRIKING OR BUMPING	1	-	1	1	1	1	-	-	-	-	-	-	-		
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	43	139	8,860	8,999	9,042	11,383	258,000	319,456	47,720	577,456	343	31	64		

TABLE 12B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT BITUMINOUS COAL 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	
		PERMANENT	TEMPO- RARY	TOTAL				PERMANENT	TEMPO- RARY	TOTAL					
															TOTAL
SURFACE MINES:															
STRIP:															
ELECTRICAL	2	-	8	-	10	14	12,000	-	-	-	118	-	15	1,212	-
ENTRAPMENT	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL	-	-	6	-	6	10	-	-	-	-	138	-	23	23	-
UNDER PRESSURE	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
EXPLOSIVE AND BREAKING	-	-	11	-	11	14	12,000	-	-	-	244	-	22	942	-
AGENT	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	-	-	1	-	1	4	-	-	-	-	103	-	103	103	-
SLIDING MATERIAL	-	-	15	-	15	24	-	-	-	-	710	-	47	419	-
FALL OF FACE, RIB, SIDE	1	-	14	-	15	16	5,000	-	-	-	612	-	44	441	-
OR HIGHWALL	1	-	433	-	434	786	5,000	-	-	-	11,127	-	57	56	-
FIRE	1	-	124	-	125	327	5,000	-	-	-	2,501	-	18	8	-
HANDLING MATERIAL	1	-	1	-	1	5	-	-	-	-	8	-	8	8	-
HAND TOOL	1	-	199	-	200	281	12,000	-	-	-	7,667	-	38	35	-
NONPOWERED HAULAGE	2	-	1	-	1	1	-	-	-	-	35	-	-	-	-
POWERED HAULAGE	-	-	8	-	8	9	-	-	-	-	109	-	14	14	-
HOISTING	-	-	196	-	196	376	18,000	-	-	-	5,685	-	24	116	-
IGNITION OR EXPLOSION	3	-	5	-	5	172	-	-	-	-	23,685	-	179	179	-
OF GAS OR DUST	-	-	201	-	204	150	5,000	-	-	-	15,107	-	50	50	-
IMMERSION	1	-	3	-	4	65	-	-	-	-	21,257	-	31	31	-
MACHINERY	-	-	37	-	37	45	-	-	-	-	531	-	14	14	-
SLIP OR FALL OF PERSON	-	-	5	-	5	9	-	-	-	-	58	-	12	12	-
STEPPING OR KNEELING	-	-	27	-	28	50	5,000	-	-	-	849	-	31	31	-
ON OBJECT	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STRIKING OR BUMPING	-	-	-	-	-	2,619	84,000	6,000	2,325	43,447	51,772	80	28	135,772	84
OTHER INJURIES	-	-	-	-	-	1,009	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	14	1	1,566	1,566	1,610	2,619	84,000	6,000	2,325	43,447	51,772	80	28	135,772	84
UNDER:															
FALL OF FACE, RIB, SIDE	-	-	2	-	2	2	-	-	-	-	55	-	28	28	-
OR HIGHWALL	-	-	6	-	6	8	-	-	-	-	41	-	7	7	-
HANDLING MATERIAL	-	-	2	-	2	4	-	-	-	-	167	-	84	84	-
HAND TOOL	-	-	2	-	2	3	-	-	-	-	24	-	12	12	-
POWERED HAULAGE	-	-	5	-	5	7	-	-	-	-	356	-	71	71	-
MACHINERY	-	-	3	-	3	6	-	-	-	-	27	-	9	9	-
SLIP OR FALL OF PERSON	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STRIKING OR BUMPING	-	-	20	-	20	35	-	-	-	-	670	-	34	34	-
TOTAL OR AVERAGE	-	-	20	20	20	15	-	-	-	-	670	-	34	34	-
DEEP MINES:															
FALL OF FACE, RIB, SIDE	-	-	1	-	1	1	-	-	-	-	5	-	5	5	-
OR HIGHWALL	-	-	1	-	1	2	-	-	-	-	5	-	5	5	-
HANDLING MATERIAL	-	-	1	-	1	2	-	-	-	-	23	-	23	23	-
HAND TOOL	-	-	1	-	1	1	-	-	-	-	4	-	4	4	-
POWERED HAULAGE	-	-	1	-	1	1	-	-	-	-	51	-	17	17	-
MACHINERY	-	-	3	-	3	5	-	-	-	-	88	-	13	13	-
SLIP OR FALL OF PERSON	-	-	7	-	7	11	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	7	7	7	4	-	-	-	-	88	-	13	13	-

TABLE 188. - NUMBER OF INJURIES, LOST HOLIDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST HOLIDAYS						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	TEMPORARY													
		TOTAL	PARTIAL																				
DREDGE:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-								
POWERED HAULAGE:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-								
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
TOTAL OR AVERAGE, SURFACE:	2	-	8	8	10	14	12,000	-	-	118	12,118	-	15	1,212									
ELECTRICAL:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-								
ENTRAPMENT:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-								
EXPLODING VESSEL:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-								
UNDER PRESSURE:	-	-	5	5	5	10	-	-	-	138	138	-	23	23									
EXPLOSIVE AND BREAKING:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-								
AGENT:	2	-	11	11	13	14	12,000	-	-	244	12,244	-	22	942									
FALLING, ROLLING, OR:	-	-	1	1	1	4	-	-	-	103	103	-	103	103									
SLIDING MATERIAL:	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-								
FALL OF FACE, RIB, SIDE:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-								
OR HIGHWALL:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-								
FIRE:	1	-	17	17	18	25	6,000	-	-	755	6,755	-	45	315									
HANDLING MATERIAL:	1	-	14	14	15	16	6,000	-	-	612	6,612	-	44	341									
HAND TOOL:	1	16	440	456	456	795	6,000	-	-	910	11,910	57	23	2,000									
NONPOWERED HAULAGE:	1	4	127	131	132	335	6,000	-	-	2,373	8,033	60	19	1,000									
POWERED HAULAGE:	2	-	202	203	205	289	12,000	-	-	50	19,744	50	32	1,000									
HOISTING:	-	-	1	1	1	1	-	-	-	35	35	-	13	13									
IGNITION OR EXPLOSION:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-								
OF GAS OR DUST:	-	-	6	6	6	9	-	-	-	105	105	-	14	14									
INMATION:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-								
MACHINERY:	3	5	202	207	210	384	18,000	-	835	5,150	24,045	179	25	114									
SIP OR FALL OF:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-								
PERSON:	1	3	486	490	491	545	6,000	6,000	190	15,185	27,335	50	31	56									
STEPPING OR KNEELING:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-								
ON OBJECT:	-	-	37	37	37	45	-	-	-	531	531	-	14	14									
STRIKING OR BUMPING:	-	-	5	5	5	10	-	-	-	56	56	-	12	12									
OTHER INJURIES:	1	-	27	27	28	60	6,000	-	-	849	6,849	-	31	245									
TOTAL OR AVERAGE:	14	29	1,553	1,523	1,537	2,556	84,000	6,000	2,325	44,205	136,530	50	28	83									

TABLE 188. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT BLINDING TONAL OPERATIONS IN THE UNITED STATES, 1988* (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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		TOTAL	PARTIAL	TEMPORARY					TOTAL	PARTIAL	TEMPORARY					TOTAL
TOTAL OR AVERAGE, MINING:																
ELECTRICAL	4	-	-	128	1	132	29	161	24,000	-	-	2,641	-	21	252	282
EXPLODING VESSEL	-	-	-	-	-	-	3	4	-	-	-	293	-	253	-	-
UNDER PRESSURE	1	-	-	21	21	22	8	30	5,000	-	-	277	-	13	265	265
EXPLOSIVE AND BREAKING	2	-	-	21	21	23	6	29	12,000	-	-	427	-	20	540	540
ACER	-	-	-	25	25	25	8	33	-	-	-	855	-	34	34	34
FALLING, ROLLING, OR	-	-	-	155	155	158	38	195	18,000	-	-	4,862	-	31	145	145
SLIDING MATERIAL	3	-	-	581	581	592	133	715	102,000	-	-	22,388	994	32	207	207
FALL OF FACE, RIB, SIDE	17	-	-	27	27	27	2	29	12,000	-	-	724	-	20	471	471
OR HIGHWALL	2	-	-	3,659	3,659	3,659	1,083	4,742	6,000	-	-	105,884	80	33	31	31
FALL OF ROOF (UNDER-	2	-	-	756	756	756	1,474	1,474	6,000	-	-	15,511	135	21	23	23
GROUND MINES ONLY)	1	-	-	28	28	29	11	40	30,000	-	-	1,072	1,046	35	35	35
FIRE	5	-	-	1,356	1,356	1,353	313	1,666	-	-	-	69,958	-	72	72	72
HANDLING MATERIAL	-	-	-	3	3	3	3	6	-	-	-	121	-	40	40	40
HAND TOOL	-	-	-	11	11	21	2	23	60,000	-	-	185	-	17	2,866	2,866
NONPOWERED HAULAGE	10	-	-	11	11	21	2	23	-	-	-	185	-	17	73	73
POWERED HAULAGE	9	-	-	1,437	1,437	1,477	551	2,028	54,000	-	-	53,345	424	28	41	41
HOISTING	1	-	-	1,816	1,816	1,826	351	2,177	5,000	-	-	63,185	50	35	50	50
IGNITION OR EXPLOSION	1	1	8	223	223	223	43	266	-	-	-	5,323	-	24	24	24
OF GAS OR DUST	-	-	-	157	157	157	71	228	-	-	-	4,272	-	27	27	27
IMMUNIZATION	-	-	-	103	103	106	48	154	12,000	-	-	3,838	900	37	158	158
MACHINERY	2	-	-	168	168	168	32	199	342,000	-	-	372,026	298	30	67	67
SLIP OR FALL OF	57	1	168	19,453	10,622	10,679	3,370	14,049	-	-	-	50,045	-	28	28	28
PERSON	-	-	-	2	2	2	-	2	-	-	-	55	-	28	50	50
STEPPING OR KNEELING	-	-	-	15	15	15	9	24	-	-	-	747	-	15	15	15
ON OBJECT	-	-	-	11	11	11	10	21	-	-	-	164	-	44	44	44
STRIKING OR BUMPING	-	-	-	3	3	3	3	9	-	-	-	131	-	25	25	25
OTHER INJURIES	-	-	-	4	4	4	8	12	-	-	-	104	-	27	27	27
TOTAL OR AVERAGE	-	-	-	48	48	48	32	80	-	-	-	1,506	-	31	31	31
INDEPENDENT SECTORS:																
ELECTRICAL	-	-	-	2	2	2	-	2	-	-	-	55	-	28	50	50
HANDLING MATERIAL	-	-	-	15	15	15	9	24	-	-	-	747	-	15	15	15
HAND TOOL	-	-	-	11	11	11	10	21	-	-	-	164	-	44	44	44
POWERED HAULAGE	-	-	-	3	3	3	3	9	-	-	-	131	-	25	25	25
MACHINERY	-	-	-	4	4	4	8	12	-	-	-	104	-	27	27	27
SLIP OR FALL OF	-	-	-	11	11	11	2	13	-	-	-	298	-	27	27	27
PERSON	-	-	-	11	11	11	2	13	-	-	-	298	-	27	27	27
STEPPING OR KNEELING	-	-	-	1	1	1	1	2	-	-	-	1	-	1	1	1
ON OBJECT	-	-	-	1	1	1	1	2	-	-	-	6	-	6	6	6
STRIKING OR BUMPING	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
OTHER INJURIES	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	48	48	48	32	80	-	-	-	1,506	-	31	31	31

TABLE 18B - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ALLUUVIOUS COAL 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	PARTIAL	TEMPO- RARY				TOTAL NFDL							
									TOTAL	PARTIAL					
															TOTAL
-	-	-	12	12	3	15	-	-	-	237	237	-	20	20	
PROCESSING PLANTS	-	-	-	1	1	1	2	-	-	-	14	14	-	14	14
ELECTRICAL	-	-	-	3	3	2	5	-	-	-	45	45	-	15	15
EXPLODING VESSEL	-	-	-	6	6	1	7	-	-	-	104	104	-	17	17
UNDER PRESSURE	-	-	-	282	283	128	411	6,000	-	-	8,279	9,069	66	31	53
FALLING, ROLLING, OR	-	-	-	101	101	94	195	6,000	-	-	2,962	2,962	53	29	29
SLIDING MATERIAL	-	-	-	3	3	3	6	-	-	-	118	118	-	30	30
FIRE	-	-	-	51	51	18	69	-	-	-	1,544	1,544	-	8	8
HANDLING MATERIAL	-	-	-	6	6	45	103	-	-	-	45	45	107	16	16
HAND TOOL	-	-	-	56	56	59	292	-	-	-	1,146	1,146	50	34	35
NONPOWERED HAULAGE	-	-	-	233	233	59	292	-	-	-	6,058	6,058	-	16	16
POWERED HAULAGE	-	-	-	12	12	1	13	-	-	-	197	197	-	32	32
IGNITION OR EXPLOSION	-	-	-	15	15	6	21	-	-	-	250	250	-	17	17
OF GAS OR DUST	-	-	-	787	787	364	1,155	24,000	-	-	22,563	22,563	68	28	28
MACHINERY	2	-	-	21	21	364	1,155	-	-	-	47,983	47,983	-	51	51
SUP OR FALL OF	-	-	-	12	12	1	13	-	-	-	194	194	-	16	16
PERSON	-	-	-	15	15	6	21	-	-	-	250	250	-	32	32
STEPPING OR KNEELING	-	-	-	766	766	364	1,155	-	-	-	22,563	22,563	68	28	28
ON OBJECT	-	-	-	21	21	364	1,155	-	-	-	47,983	47,983	-	51	51
STRUCK OR BUMPING	-	-	-	12	12	1	13	-	-	-	194	194	-	16	16
OTHER INJURIES	-	-	-	15	15	6	21	-	-	-	250	250	-	32	32
TOTAL OR AVERAGE	4	-	-	787	787	364	1,155	24,000	-	-	22,563	22,563	68	28	28

TABLE 188. - NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT BITUMINOUS COAL 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	NOL	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
			TOTAL	PARTIAL												
TOTAL OR AVERAGE	4	-	142	142	146	32	178	24,000	-	-	2,933	-	21	184		
ALL MINES AND PLANTS:	-	-	1	1	1	3	4	-	-	-	293	-	293	293		
ELECTRICIAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ENTRANCE	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EXPLODING VESSEL	1	-	22	22	23	9	32	5,000	-	-	291	-	13	274		
UNDER PRESSURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EXPLOSIVE AND BREAKING AGENT	2	-	21	21	23	5	25	12,000	-	-	427	-	20	540		
FALLING, ROLLING, OR SLIDING MATERIAL	1	-	26	26	29	10	39	5,000	-	-	900	-	32	238		
FALL OF FACE, RIB, SIDE OR HIGHWALL	3	-	155	155	158	35	195	18,000	-	-	4,862	-	31	145		
FALL OF ROOF (UNDERGROUND MINES ONLY)	17	4	581	585	592	133	725	102,000	-	-	12,413	994	32	207		
FIRE	2	-	31	31	33	1	36	12,000	-	-	828	-	27	389		
HANDLING MATERIAL	1	105	3,956	3,957	3,957	1,220	5,177	5,000	-	-	124,910	78	30	33		
HAND TOOL	1	-	905	916	917	773	1,690	5,000	-	-	20,717	113	22	29		
NONPOWERED HAULAGE	-	-	31	32	32	14	46	-	-	-	1,190	75	35	71		
POWERED HAULAGE	5	22	1,410	1,432	1,437	331	1,768	35,000	-	-	71,673	1,046	40	40		
HOISTING	-	-	3	3	3	-	3	-	-	-	121	-	-	-		
IGNITION OR EXPLOSION OF GAS OR DUST	10	-	17	17	27	2	29	50,000	-	-	230	-	14	2,231		
IMMERSION	-	-	-	-	-	1	1	-	-	-	-	-	-	-		
MACHINERY	11	34	1,494	1,528	1,529	504	2,143	55,000	-	-	41,125	355	26	78		
SLIP OR FALL OF PERSON	1	11	2,057	2,069	2,070	412	2,482	5,000	5,000	5,000	77,941	50	35	41		
STEPPING OR KNEELING ON OBJECT	-	-	235	235	235	45	281	-	-	-	5,521	-	23	23		
STRIKING OR BUMPING	-	-	164	164	164	74	238	-	-	-	4,472	-	27	27		
OTHER INJURIES	2	1	118	119	121	56	177	12,000	-	-	4,988	900	35	140		
TOTAL OR AVERAGE	67	189	11,257	11,457	11,518	3,756	15,294	355,000	5,000	5,000	397,515	272	30	66		
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EXPLODING VESSEL	-	-	3	3	3	1	1	-	-	-	428	-	428	428		
UNDER PRESSURE	-	-	1	1	1	1	2	-	-	-	59	-	59	59		
HANDLING MATERIAL	-	-	1	1	1	-	1	-	-	-	3	-	3	3		
HAND TOOL	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
POWERED HAULAGE	-	-	11	11	11	1	12	-	-	-	463	-	463	463		
SLIP OR FALL OF PERSON	-	-	3	3	3	1	4	-	-	-	23	-	23	23		
OTHER INJURIES	-	-	24	25	25	15	41	-	-	-	1,031	50	41	41		
TOTAL OR AVERAGE	-	1	24	25	25	15	41	-	-	-	1,031	50	41	41		

TABLE 188. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT BLINDHOLM COAL 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	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL WORKDAYS LOST	TOTAL FATAL AND NFIDL	TOTAL FATAL AND NFIDL	
		PERMANENT		TOTAL				PERMANENT		TOTAL					
		TOTAL	PARTIAL					TOTAL	PARTIAL						
4	-	-	142	146	178	24,000	-	-	2,933	26,933	27	26,960			
-	-	-	1	1	4	-	-	-	793	793	793	793			
1	-	-	22	23	33	6,000	-	-	791	6,791	791	791			
2	-	-	21	23	29	12,000	-	-	427	12,427	427	12,427			
1	-	-	28	29	39	6,000	-	-	900	6,900	900	6,900			
3	-	-	155	158	196	18,000	-	-	4,862	22,862	4,862	22,862			
17	-	4	581	602	735	102,000	-	3,975	12,413	124,375	12,413	124,375			
2	-	31	31	33	36	12,000	-	-	228	12,228	228	12,228			
1	-	106	3,859	3,965	5,197	6,000	-	8,285	115,332	121,522	115,332	121,522			
1	-	11	906	918	1,693	6,000	-	1,240	12,541	13,447	12,541	13,447			
5	-	1	31	32	46	30,000	-	75	115	30,075	115	30,075			
-	-	22	1,411	1,433	1,769	-	-	23,020	42,556	44,026	42,556	44,026			
-	-	-	3	3	3	-	-	-	121	121	121	121			
10	-	-	17	17	29	60,000	-	-	230	60,230	230	60,230			
11	-	34	1,494	1,528	2,143	66,000	-	13,470	41,125	107,595	41,125	107,595			
1	1	11	2,068	2,080	2,494	6,000	6,000	550	71,854	78,404	71,854	78,404			
-	-	-	236	236	281	-	-	-	5,521	5,521	5,521	5,521			
-	-	-	164	164	238	-	-	-	4,472	4,472	4,472	4,472			
2	-	1	121	124	181	12,000	-	-	900	12,900	900	12,900			
61	1	190	11,291	11,482	15,325	366,000	6,000	51,515	341,031	388,546	341,031	388,546			
TOTAL OR AVERAGE															

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT ALL COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL			
ELECTRICAL:														
EYE-----	-	25	-	25	25	5	30	-	-	-	-	-	97	4
FACE, NEC-----	-	3	-	3	3	1	3	-	-	-	-	-	33	11
HEAD, NEC-----	-	2	-	2	2	1	3	-	-	-	-	-	32	16
ELBOW-----	-	2	-	2	2	1	3	-	-	-	-	-	-	5
FOREARM-----	-	2	-	2	2	1	3	-	-	-	-	-	10	10
WRIST-----	-	30	-	30	30	4	36	-	-	-	-	-	19	19
HAND-----	-	8	-	8	8	1	9	-	-	-	-	-	607	607
FINGER(S)-----	-	3	-	3	3	1	4	-	-	-	-	-	160	160
UPPER EXTREMITIES, NEC-----	-	1	-	1	1	1	2	-	-	-	-	-	188	188
BACK-----	-	2	-	2	2	1	3	-	-	-	-	-	76	76
PELVIC REGION-----	-	1	-	1	1	1	2	-	-	-	-	-	10	10
THIGH-----	-	2	-	2	2	1	3	-	-	-	-	-	76	76
LOWER EXTREMITIES, NEC-----	-	29	-	29	29	7	40	24,000	1,036	2	-	-	25	38
BODY SYSTEMS-----	4	23	-	23	23	4	27	-	587	-	-	-	36	759
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	-	-	-	-	-	-	26	26
TOTAL OR AVERAGE-----	4	142	-	142	146	32	178	24,000	2,933	-	-	-	26,933	184
ENTRAPMENT:														
BACK-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
TRUNK, NEC-----	-	1	-	1	1	1	2	-	-	-	-	-	293	293
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
UNCLASSIFIED-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	1	-	1	1	3	4	-	293	-	-	-	293	293
EXPLODING VESSEL UNDER PRESSURE:														
EYE-----	-	6	-	6	6	3	9	-	-	-	-	-	29	5
FACE, NEC-----	-	3	-	3	3	1	3	-	-	-	-	-	8	3
HEAD, NEC-----	1	1	-	1	2	1	3	6,000	3	-	-	-	3	3,002
HAND-----	-	1	-	1	1	2	3	-	4	-	-	-	4	4
UPPER EXTREMITIES, NEC-----	-	2	-	2	2	1	3	-	-	-	-	-	16	8
ABDOMEN-----	-	3	-	3	3	1	4	-	-	-	-	-	103	34
BACK-----	-	1	-	1	1	1	2	-	-	-	-	-	21	21
CHEST-----	-	1	-	1	1	1	2	-	-	-	-	-	46	46
KNEE-----	-	1	-	1	1	1	2	-	-	-	-	-	49	24
LOWER LEG-----	-	2	-	2	2	1	3	-	-	-	-	-	15	5
FOOT-----	-	3	-	3	3	1	4	-	-	-	-	-	15	5
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	1	23	-	23	24	10	34	6,000	294	-	-	-	6,294	262

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

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NFIL	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 NFIDL				
EXPLOSIVE AND BREAKING AGENT:															
EAR		1	1	1	1	1					1	9		1	9
EYE		1	4	4	4	4					28	7		7	28
HEAD, NEC		2	2	2	2	2					37	18		18	37
NECK															
HAND															
FINGER(S)		1	1	1	1	1					28	28		28	28
UPPER EXTREMITIES, NEC		2	2	2	2	2					77	13		13	38
SHOULDER(S)											26	60		60	60
THIGH		1	1	1	1	1					89	89		89	89
LOWER LEG		1	1	1	1	1					3	3		3	3
FOOT		1	1	1	1	1					37	10		10	37
LOWER EXTREMITIES, NEC		1	1	1	1	1					10	10		10	10
BOOY SYSTEMS	2		3	3	5	7		12,000			22	2,404		7	2,404
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE	2		21	21	23	29		12,000			427	12,427		20	540
FALLING, ROLLING, OR SLIDING MATERIAL:															
EAR															
HEAD, NEC			2	2	2	2					4	4		2	2
NECK			3	3	3	3					51	17		17	51
FINGER(S)			1	1	1	1					182	36		36	182
BACK			1	1	1	1					75	38		38	75
SHOULDER(S)			2	2	2	2					3	3		3	3
TRUNK, NEC			3	3	3	3					195	65		65	195
KNEE			3	3	3	3					3	3		3	3
ANKLE			3	3	3	3					92	31		31	92
FOOT			3	3	3	3					1	1		1	1
TOE(S)			3	3	3	3					199	66		66	199
LOWER EXTREMITIES, NEC			3	3	3	3		6,000			94	5,000		31	5,000
BOOY SYSTEMS	1		3	3	3	3									
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE	1		28	28	29	39		6,000			900	5,900		32	238

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT ALL COAL 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	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												
FALL OF FACE, RIB, SIDE OR HIGHWALL:																
EAR-----	-	-	1	1	1	2	1	-	-	1	-	-	1	1	1	1
EYE-----	-	-	1	1	1	2	2	-	-	1	-	-	1	1	1	1
MOUTH/TEETH/TONGUE-----	-	-	2	2	2	3	3	-	-	6	-	-	6	6	3	3
SCALP-----	-	-	2	2	2	3	6	6,000	-	60	-	-	6,009	60	2,003	2,003
FACE, NEC-----	-	-	6	6	6	1	1	-	-	-	-	-	-	-	-	-
HEAD, NEC-----	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
NECK-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
UPPER ARM-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FOREARM-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
WRIST-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HAND-----	-	-	10	10	10	3	13	-	-	141	-	-	141	14	14	14
FINGER(S)-----	-	-	3	3	3	5	8	-	-	55	-	-	55	18	18	18
UPPER EXTREMITIES, NEC-----	-	-	1	1	1	3	3	-	-	22	-	-	22	22	22	22
BACK-----	-	-	13	13	13	2	15	-	-	835	-	-	835	64	64	64
CHEST-----	-	-	5	5	5	1	6	-	-	95	-	-	95	19	19	19
PELVIC REGION-----	-	-	5	5	5	1	6	-	-	186	-	-	186	37	37	37
SHOULDER(S)-----	-	-	5	5	5	1	6	-	-	256	-	-	256	43	43	43
TRUNK, NEC-----	-	-	8	8	8	1	9	-	-	242	-	-	242	30	30	30
THIGH-----	-	-	2	2	2	1	3	-	-	16	-	-	16	8	8	8
KNEE-----	-	-	10	10	10	2	12	-	-	207	-	-	207	21	21	21
LOWER LEG-----	-	-	7	7	7	1	8	-	-	291	-	-	291	42	42	42
ANKLE-----	-	-	11	11	11	1	12	-	-	345	-	-	345	31	31	31
FOOT-----	-	-	21	21	21	1	22	-	-	520	-	-	520	25	25	25
LOWER EXTREMITIES, NEC-----	-	-	18	18	18	3	21	-	-	631	-	-	631	35	35	35
MULTIPLE PARTS OF BODY-----	2	-	23	23	25	2	27	12,000	-	932	-	-	12,932	41	41	517
TOTAL OR AVERAGE-----	3	-	155	155	158	38	196	18,000	-	4,862	-	-	22,862	31	31	145

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE OF ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL COAL 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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		TOTAL	PERMANENT	PARTIAL					TOTAL NFDL					
FALL OF ROOF (UNDER- GROUND MINES ONLY):	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EAR	-	1	8	1	5	4	-	-	-	6	1,800	6	1,818	6
EYE	-	7	3	10	12	4	-	-	-	18	-	40	40	227
JAW	-	3	2	5	6	2	-	-	-	7	-	7	7	13
MOUTH/TEETH/TONGUE	-	2	2	4	4	2	-	-	-	18	-	18	18	4
NOSE	-	1	2	3	4	2	-	-	-	6	-	6	6	18
SCALP	-	2	2	4	4	2	-	-	-	92	-	92	92	3
FACE, NEC	-	5	6	11	13	7	-	-	-	640	-	640	640	15
HEAD, NEC	4	25	39	64	42	13	24,000	-	-	1,108	-	1,108	1,108	850
NECK	-	39	3	42	42	3	-	-	-	-	-	-	-	26
UPPER ARM	-	-	-	-	1	1	-	-	-	-	-	-	-	28
ELBOW	-	1	1	2	2	1	-	-	-	-	-	-	-	1
FOREARM	-	4	4	8	8	4	-	-	-	1	-	1	1	10
Wrist	-	5	5	10	10	2	-	-	-	39	-	39	39	20
HAND	-	40	40	80	53	13	-	-	-	99	-	99	99	25
FINGER(S)	-	40	40	80	63	13	-	-	-	1,008	-	1,008	1,008	38
UPPER EXTREMITIES, NEC	-	2	16	18	23	3	-	-	-	1,096	-	1,096	1,096	25
BACK	-	76	76	152	19	6	-	-	-	541	212	541	541	34
CHEST	-	7	7	14	9	2	-	-	-	3,218	-	3,218	3,218	42
PELVIC REGION	-	11	11	22	11	5	-	-	-	114	-	114	114	16
SHOULDER(S)	-	33	33	66	38	11	-	-	-	527	-	527	527	48
TRUNK, NEC	1	22	23	45	24	5	6,000	-	-	950	-	950	950	26
THIGH	-	8	8	16	9	3	-	-	-	134	-	134	134	43
KNEE	-	22	22	44	23	7	-	-	-	451	-	451	451	302
LOWER LEG	-	11	11	22	12	4	-	-	-	711	-	711	711	17
ANKLE	-	19	19	38	15	5	-	-	-	836	-	836	836	20
FOOT	-	48	49	97	52	15	-	-	-	1,504	-	1,504	1,504	65
TOE(S)	-	3	3	6	4	3	-	-	-	97	1,750	97	97	44
LOWER EXTREMITIES, NEC	-	27	27	54	33	11	-	-	-	1,159	-	1,159	1,159	31
MULTIPLE PARTS OF BODY	12	-	107	119	138	19	72,000	-	-	3,146	-	3,146	3,146	32
TOTAL OR AVERAGE	17	4	584	588	738	133	102,000	22,410	3,975	18,435	994	124,410	22,410	206
FIRE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EYE	-	3	2	5	3	1	-	-	-	7	-	7	7	2
FACE, NEC	-	2	2	4	3	1	-	-	-	11	-	11	11	6
HAND	-	5	5	10	6	2	-	-	-	42	-	42	42	8
BACK	-	2	2	4	3	1	-	-	-	59	-	59	59	30
KNEE	-	3	3	6	3	1	-	-	-	15	-	15	15	19
LOWER LEG	-	1	1	2	1	1	-	-	-	5	-	5	5	15
UPPER EXTREMITIES, NEC	-	1	1	2	1	1	-	-	-	3	-	3	3	5
BOOT/STIRRUPS	1	-	-	-	-	-	6,000	-	-	628	-	628	628	3,002
MULTIPLE PARTS OF BODY	1	-	-	-	15	2	6,000	-	-	528	-	528	528	473
TOTAL OR AVERAGE	2	31	31	62	36	3	12,000	828	-	828	-	12,828	828	389

TABLE 19 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TOTAL						TOTAL NFDL						
			TOTAL	PARTIAL											
HANDLING MATERIAL:															
EAR-----	-	-	4	4	4	14	18	-	-	-	-	50	-	-	12
EYE-----	-	-	56	56	56	80	136	-	-	-	-	257	-	-	5
JAW-----	-	-	3	3	3	6	9	-	-	-	-	35	-	-	12
MOUTH/TEETH/TONGUE-----	-	-	9	9	9	30	39	-	-	-	-	102	-	-	11
NOSE-----	-	-	6	6	6	7	13	-	-	-	-	33	-	-	6
SCALP-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-
SKULL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC-----	-	-	11	11	11	15	26	-	-	-	-	296	-	-	296
HEAD, NEC-----	-	-	24	24	24	39	63	-	-	-	-	274	-	-	274
NECK-----	-	-	57	57	57	72	129	-	-	-	-	183	-	-	183
UPPER ARM-----	-	-	7	7	7	11	18	-	-	-	-	1513	-	-	1513
ELBOW-----	-	-	63	63	63	82	145	-	-	-	-	1779	-	-	1779
FOREARM-----	-	-	20	20	20	22	42	-	-	-	-	1555	-	-	1555
WRIST-----	-	-	20	20	20	22	42	-	-	-	-	476	-	-	476
HAND-----	-	-	50	50	50	68	118	-	-	-	-	1426	-	-	1426
FINGER(S)-----	-	-	101	101	101	139	240	-	-	-	-	1960	-	-	1960
UPPER EXTREMITIES, NEC-----	-	-	383	383	383	443	826	-	-	-	-	8923	-	-	8923
ADDITION-----	-	-	50	50	50	7	57	-	-	-	-	1457	-	-	1457
BACK-----	-	-	27	27	27	7	34	-	-	-	-	833	-	-	833
CHEST-----	-	-	2,093	2,093	2,093	244	2,337	-	-	-	-	73,655	-	-	73,655
PELVIC REGION-----	-	-	43	43	43	12	55	-	-	-	-	602	-	-	602
SHOULDER(S)-----	-	-	134	134	134	15	147	-	-	-	-	3,455	-	-	3,455
TRUNK, NEC-----	-	-	152	152	152	33	185	-	-	-	-	5,013	-	-	5,013
THIGH-----	-	-	59	59	59	11	70	-	-	-	-	1,368	-	-	1,368
KNEE-----	-	-	7	7	7	2	9	-	-	-	-	137	-	-	137
LOWER LEG-----	-	-	222	222	222	39	261	-	-	-	-	7,257	-	-	7,257
ANKLE-----	-	-	22	22	22	6	28	-	-	-	-	822	-	-	822
FOOT-----	-	-	32	32	32	7	39	-	-	-	-	737	-	-	737
TOE(S)-----	-	-	124	124	124	16	140	-	-	-	-	2,780	-	-	2,780
LOWER EXTREMITIES, NEC-----	-	-	22	22	22	16	38	-	-	-	-	598	-	-	598
BODY SYSTEMS-----	-	-	49	49	49	4	53	-	-	-	-	1,490	-	-	1,490
MULTIPLE PARTS OF BODY-----	1	-	3	3	3	4	7	-	-	-	-	20	-	-	20
TOTAL OR AVERAGE-----	1	-	112	3,914	4,026	1,252	5,279	5,000	-	-	-	116,887	77	-	30

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL LOCAL 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	NFI	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL			
HAND TOOL:														
EAR	-	-	2	2	2	5	3	-	-	-	30	-	15	15
EYE	-	-	58	58	58	111	53	-	-	-	471	-	8	8
JAW	-	-	6	6	6	22	16	-	-	-	97	-	16	16
MOUTH/TEETH/TONGUE	-	-	7	7	7	59	52	-	-	-	16	-	2	2
NOSE	-	-	5	5	5	14	9	-	-	-	48	-	10	10
SCALP	-	-	2	2	2	3	2	-	-	-	16	-	8	8
FACE, NEC	-	-	15	15	15	43	28	-	-	-	282	-	19	19
HEAD, NEC	-	-	22	22	22	63	40	6,000	-	-	341	-	16	16
NECK	1	-	10	10	10	17	7	-	-	-	166	-	17	17
UPPER ARM	-	-	3	3	3	7	4	-	-	-	11	-	4	4
ELBOW	-	-	32	32	32	47	15	-	-	-	845	-	26	26
FOREARM	-	-	15	15	15	44	29	-	-	-	155	-	10	10
WRIST	-	-	22	22	22	36	14	-	-	-	383	-	17	17
HAND	-	-	82	82	82	163	81	-	-	-	1,352	-	16	16
FINGER(S)	-	-	187	187	187	457	263	-	-	-	3,884	-	20	20
UPPER EXTREMITIES, NEC	-	7	21	21	21	46	25	-	740	-	271	106	13	13
ABDOMEN	-	-	7	7	7	13	6	-	-	-	52	-	9	9
BACK	-	-	175	175	175	193	18	-	-	-	5,809	-	33	33
CHEST	-	-	18	18	18	33	15	-	-	-	204	-	11	11
PELVIC REGION	-	-	11	11	11	13	2	-	-	-	375	-	34	34
SHOULDER(S)	-	4	29	29	29	39	10	-	200	-	952	50	25	25
TRUNK, NEC	-	-	10	10	10	11	1	-	-	-	137	-	14	14
THIGH	-	-	19	19	19	47	8	-	-	-	333	-	18	18
KNEE	-	-	47	47	47	66	20	-	-	-	1,477	-	31	31
LOWER LEG	-	-	12	12	12	15	1	-	-	-	239	-	20	20
ANKLE	-	-	15	15	15	20	1	-	-	-	515	-	34	34
FOOT	-	-	38	38	38	39	1	-	-	-	785	-	21	21
TOE(S)	-	-	2	2	2	8	5	-	-	-	646	-	28	28
LOWER EXTREMITIES, NEC	-	1	23	23	23	53	30	-	600	-	1,091	500	35	35
MULTIPLE PARTS OF BODY	-	-	31	31	31	35	4	-	-	-	2	-	2	2
UNCLASSIFIED	-	-	1	1	1	1	1	-	-	-	2	-	2	2
TOTAL OR AVERAGE	1	12	923	935	936	1,724	788	6,000	1,540	20,095	21,635	128	22	30
NONPOWERED HAULAGE:														
EYE	-	-	1	1	1	1	1	-	-	-	4	-	4	4
HEAD, NEC	-	-	2	2	2	2	1	-	-	-	45	-	45	45
NECK	-	-	1	1	1	1	1	-	-	-	26	-	13	13
ELBOW	-	-	1	1	1	1	1	-	-	-	18	-	18	18
WRIST	-	-	1	1	1	1	1	-	-	-	54	-	54	54
HAND	-	-	3	3	3	9	5	-	75	-	238	75	22	22
FINGER(S)	-	-	11	11	11	16	5	-	-	-	22	-	5	5
UPPER EXTREMITIES, NEC	-	-	2	2	2	2	1	-	-	-	34	-	34	34
ABDOMEN	-	-	1	1	1	1	1	-	-	-	28	-	14	14
BACK	-	-	1	1	1	1	1	-	-	-	24	-	24	24
CHEST	-	-	1	1	1	1	1	-	-	-	30	-	30	30
PELVIC REGION	-	-	1	1	1	1	1	-	-	-	30	-	30	30
TRUNK, NEC	-	-	1	1	1	1	1	-	-	-	23	-	23	23
THIGH	-	-	1	1	1	1	1	-	-	-	37	-	37	37
KNEE	-	-	1	1	1	1	1	-	-	-	1	-	1	1
ANKLE	-	-	1	1	1	1	1	-	-	-	1	-	1	1
FOOT	-	-	1	1	1	1	1	-	-	-	1	-	1	1
TOTAL OR AVERAGE	-	1	32	33	33	48	15	-	75	1,125	1,200	75	35	35

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL COAL 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	NFIL	FATAL	PERMANENT		TOTAL NFIL	TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY
		TOTAL	PARTIAL	TOTAL				PARTIAL					
POWERED HAULAGE													
EAR	-	5	-	-	5	11	-	-	-	58	58	-	12
EYE	-	38	-	-	38	53	-	-	-	160	160	-	4
JAW	-	1	-	-	1	16	-	-	-	39	39	-	39
MOUTH/TEETH/TONGUE	-	5	-	-	5	3	-	-	-	18	18	-	4
NOSE	-	1	-	-	1	2	-	-	-	33	33	-	7
SCALP	-	2	-	-	2	17	-	-	-	26	26	-	26
SKULL	-	11	-	-	11	73	-	-	-	150	150	-	14
FACE, NEC	-	43	-	-	43	195	-	-	-	561	561	-	13
HEAD, NEC	-	157	-	-	157	38	-	-	-	5,738	5,738	-	37
NECK	-	2	-	-	2	3	-	-	-	17	17	-	8
UPPER ARM	-	21	-	-	21	30	-	-	-	464	464	-	22
ELBOW	-	8	-	-	8	11	-	-	-	258	258	-	22
FOREARM	-	12	-	-	12	13	-	-	-	226	226	-	19
WRIST	-	41	-	-	41	56	-	-	-	1,294	1,294	-	32
HAND	-	79	-	-	79	152	-	-	-	5,694	5,694	-	63
FINGER(S)	-	32	-	-	32	41	-	-	-	1,013	1,013	-	307
UPPER EXTREMITIES, NEC	-	4	-	-	4	4	-	-	-	74	74	-	18
ABDOMEN	-	364	-	-	364	47	-	-	-	13,852	13,852	-	38
BACK	-	46	-	-	46	56	-	-	-	746	746	-	144
CHEST	-	26	-	-	26	31	-	-	-	843	843	-	20
PELVIC REGION	-	40	-	-	40	43	-	-	-	1,568	1,568	-	27
SHOULDER(S)	-	40	-	-	40	47	-	-	-	1,631	1,631	-	41
TRUNK, NEC	-	10	-	-	10	11	-	-	-	274	274	-	27
THIGH	-	75	-	-	75	84	-	-	-	2,647	2,647	-	35
KNEE	-	23	-	-	23	25	-	-	-	1,058	1,058	-	46
LOWER LEG	-	29	-	-	29	30	-	-	-	1,459	1,459	-	50
ANKLE	-	54	-	-	54	51	-	-	-	1,571	1,571	-	31
FOOT	-	14	-	-	14	19	-	-	-	497	497	-	36
TOE(S)	-	51	-	-	51	62	-	-	-	5,660	5,660	-	109
LOWER EXTREMITIES, NEC	-	1	-	-	1	2	-	-	-	6	6	-	5
BODY SYSTEMS	-	183	-	-	183	213	-	-	-	14,778	14,778	-	3,003
MULTIPLE PARTS OF BODY	-	2	-	-	2	2	-	-	-	54	54	-	204
UNCLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-	27
TOTAL OR AVERAGE	6	1,425	22	1,447	1,453	1,785	36,000	-	23,020	49,424	108,444	1,046	35
HOISTING													
CHEST	-	1	-	-	1	1	-	-	-	33	33	-	33
SHOULDER(S)	-	1	-	-	1	1	-	-	-	53	53	-	53
LOWER EXTREMITIES, NEC	-	1	-	-	1	1	-	-	-	35	35	-	35
TOTAL OR AVERAGE	-	3	-	-	3	3	-	-	-	121	121	-	40

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL COAL 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	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	TEMPO- RARY					TOTAL NFDL
IGNITION OR EXPLOSION OF GAS OR DUST:																
EYE	-	-	-	1	1	1	-	1	-	-	2	-	2	-	2	5
FACE, NEC	-	-	-	1	1	1	-	1	-	-	5	-	5	-	5	3
HEAD, NEC	-	-	-	1	1	1	-	1	-	-	3	-	3	-	3	10
UPPER ARM	-	-	-	7	7	7	-	7	-	-	73	-	73	-	73	28
HAND	-	-	-	1	1	1	-	1	-	-	28	-	28	-	28	4
UPPER EXTREMITIES, NEC	-	-	-	1	1	1	-	1	-	-	4	-	4	-	4	5,455
PELVIC REGION	-	-	-	1	1	1	-	1	-	-	115	-	115	-	115	23
TOE(S)	10	-	-	5	5	15	-	5	60,000	-	115	-	60,004	-	23	5,455
BOOTS	-	-	-	1	1	1	-	1	-	-	4	-	4	-	4	23
MULTIPLE PARTS OF BODY	-	-	-	17	17	27	2	29	60,000	-	230	-	60,230	-	14	2,231
TOTAL OR AVERAGE	10	-	-	17	17	27	2	29	60,000	-	230	-	60,230	-	14	2,231
INMUNITION:																
PELVIC REGION	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
MACHINERY:																
EAR	-	-	-	11	11	11	11	22	-	-	186	-	186	-	17	5
EYE	-	-	-	86	86	86	137	223	-	-	469	-	469	-	18	5
FACE, NEC	-	-	-	6	6	6	5	11	-	-	109	-	109	-	5	3
HEAD, NEC	-	-	-	8	8	8	20	28	-	-	42	-	42	-	31	3
MOUTH/TEETH/TONGUE	-	-	-	9	9	9	11	20	-	-	279	-	279	-	3	3
NOSE	-	-	-	1	1	1	1	2	-	-	3	-	3	-	3	3
SCALP	-	-	-	2	2	2	3	3	-	-	88	-	88	-	44	2,029
SKULL	1	-	-	21	21	21	23	44	-	-	244	-	244	-	12	12
FACE, NEC	-	-	-	40	40	40	27	68	-	-	530	-	530	-	13	13
HEAD, NEC	1	-	-	54	54	55	7	62	6,000	-	1,675	-	6,530	-	31	140
NECK	1	-	-	3	3	4	2	5	6,000	-	103	-	1,033	-	34	34
UPPER ARM	-	-	-	15	15	15	2	17	-	-	398	-	398	-	27	27
ELBOW	-	-	-	16	16	16	2	18	-	-	644	-	644	-	40	40
FOREARM	-	-	-	34	34	34	21	55	-	-	774	-	774	-	23	23
WRIST	-	-	-	110	110	110	14	124	-	-	2,574	-	2,574	-	36	36
HAND	-	-	-	285	285	285	47	332	-	-	11,308	-	11,308	-	33	33
UPPER EXTREMITIES, NEC	-	-	-	25	25	25	19	44	-	-	4,620	-	4,620	-	185	185
ABDOMEN	-	-	-	5	5	5	1	6	-	-	80	-	80	-	16	16
BACK	-	-	-	173	173	173	27	200	-	-	5,423	-	5,423	-	31	31
CHEST	1	-	-	22	22	23	6	28	6,000	-	465	-	6,465	-	21	21
PELVIC REGION	-	-	-	11	11	11	4	15	-	-	318	-	318	-	23	23
SHOULDER(S)	-	-	-	46	46	46	12	58	-	-	1,524	-	1,524	-	33	33
TRUNK, NEC	-	-	-	33	33	33	5	38	-	-	1,252	-	1,252	-	38	38
THIGH	-	-	-	5	5	5	3	8	-	-	66	-	66	-	13	13
KNEE	-	-	-	78	78	78	10	88	-	-	2,480	-	2,480	-	32	32
LOWER LEG	-	-	-	18	18	18	11	29	-	-	1,161	-	1,161	-	64	64
ANKLE	-	-	-	35	35	35	1	36	-	-	1,062	-	1,062	-	30	30
FOOT	-	-	-	128	128	128	17	145	-	-	2,534	-	2,534	-	23	23
TOE(S)	-	-	-	21	21	21	6	27	-	-	2,119	-	2,119	-	42	42
LOWER EXTREMITIES, NEC	-	-	-	57	57	57	11	68	-	-	6,047	-	6,047	-	51	51
BOOTS	-	-	-	3	3	3	4	8	-	-	19	-	19	-	6	6
MULTIPLE PARTS OF BODY	7	-	-	117	119	126	18	144	42,000	-	4,380	-	50,823	-	2,190	403
TOTAL OR AVERAGE	11	34	1,512	1,546	1,557	611	2,168	66,000	-	-	55,052	-	121,052	-	28	78

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL OIL 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	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
SLIP OR FALL OF PERSON:																			
EAR	-	-	1	1	1	2	3	-	-	-	-	-	-	-	7	5			
EYE	-	-	1	1	1	1	3	-	-	-	-	-	-	-	5	8			
JAW	-	-	2	2	2	4	10	-	-	-	-	-	-	-	24	10			
MOUTH/TEETH/TONGUE	-	-	2	2	2	4	6	-	-	-	-	-	-	-	-	-			
NOSE	-	-	2	2	2	4	1	-	-	-	-	-	-	-	-	-			
SCALP	-	-	1	1	1	1	1	-	-	-	-	-	-	-	10	19			
SKULL	-	-	4	4	4	4	11	-	-	-	-	-	-	-	19	31			
FACE NEC	-	-	17	17	17	17	28	-	-	-	-	-	-	-	31	34			
HEAD NEC	-	-	21	21	21	4	25	-	-	-	-	-	-	-	35	31			
NECK	-	-	5	5	5	1	6	-	-	-	-	-	-	-	25	39			
UPPER ARM	-	-	41	41	41	15	56	-	-	-	-	-	-	-	26	22			
ELBOW	-	-	17	17	17	12	29	-	-	-	-	-	-	-	37	42			
FOREARM	-	-	63	63	63	19	82	-	-	-	-	-	-	-	40	52			
WRIST	-	-	27	27	27	30	87	-	-	-	-	-	-	-	42	40			
HAND	-	-	38	38	38	8	46	-	-	-	-	-	-	-	21	34			
FINGER(S)	-	-	30	30	30	1	31	-	-	-	-	-	-	-	34	45			
UPPER EXTREMITIES, NEC	-	-	4	4	4	1	5	-	-	-	-	-	-	-	28	32			
ABDOMEN	-	-	504	504	504	63	567	-	-	-	-	-	-	-	38	38			
BACK	1	-	93	93	93	29	122	6,000	550	20,090	26,090	50	50	21	34	44			
CHEST	-	-	57	57	58	10	78	-	-	1,915	1,915	-	-	21	34	45			
PELVIC REGION	-	-	72	72	72	4	76	-	-	3,256	3,256	-	-	28	32	38			
SHOULDER(S)	-	-	15	15	15	4	19	-	-	1,643	1,643	-	-	28	32	38			
TRUNK, NEC	-	-	482	482	482	15	497	-	-	17,282	17,282	-	-	38	44	22			
THIGH	-	-	58	58	58	63	121	-	-	1,449	1,449	-	-	22	27	27			
KNEE	-	-	33	33	33	11	44	-	-	5,244	5,244	-	-	27	27	27			
LOWER LEG	-	-	237	237	237	16	253	-	-	1,919	1,919	-	-	27	27	27			
ANKLE	-	-	70	70	70	2	72	-	-	161	161	-	-	27	27	27			
FOOT	-	-	6	6	6	36	8	-	-	2,311	2,311	-	-	27	27	27			
TOE(S)	-	-	80	80	80	21	101	-	-	8,603	8,603	-	-	27	27	27			
LOWER EXTREMITIES, NEC	-	-	165	165	165	1	166	6,000	-	-	-	-	-	27	27	27			
MULTIPLE PARTS OF BODY	1	-	1	1	1	-	1	-	-	-	-	-	-	27	27	27			
UNCLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-	-	27	27	27			
TOTAL OR AVERAGE	1	1	2,124	2,136	2,137	428	2,565	6,000	550	74,338	81,488	50	50	35	41	41			

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL COAL 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	TOTAL					
										TOTAL				
STEPPING OR KNEELING ON OBJECT:-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-
NECK-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
WRIST-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
FINGER(S)-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-
BACK-----	-	-	-	-	-	18	18	-	-	-	-	-	-	-
CHEST-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
PELVIC REGION-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
TRUNK, NEC-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
KNEE-----	-	-	-	-	-	96	96	-	-	-	-	-	-	-
LOWER LEG-----	-	-	-	-	-	86	86	-	-	-	-	-	-	-
ANKLE-----	-	-	-	-	-	28	28	-	-	-	-	-	-	-
FOOT-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
TOE(S)-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	239	239	-	-	-	-	-	-	-
STRIKING OR BUMPING:-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EAR-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-
EYE-----	-	-	-	-	-	4	4	-	-	-	-	-	-	-
ARM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-
NOSE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC-----	-	-	-	-	-	4	4	-	-	-	-	-	-	-
HEAD, NEC-----	-	-	-	-	-	79	79	-	-	-	-	-	-	-
NECK-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
ELBOW-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
WRIST-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-
FINGER(S)-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
BACK-----	-	-	-	-	-	18	18	-	-	-	-	-	-	-
CHEST-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-
SHOULDER(S)-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-
KNEE-----	-	-	-	-	-	20	20	-	-	-	-	-	-	-
LOWER LEG-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
ANKLE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
FOOT-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
TOE(S)-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	23	23	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	165	165	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	165	165	-	-	-	-	-	-	-
STAIRS OR RAMPING:-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EAR-----	-	-	-	-	-	6	6	-	-	-	-	-	-	-
EYE-----	-	-	-	-	-	9	9	-	-	-	-	-	-	-
ARM-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	6	6	-	-	-	-	-	-	-
NOSE-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-
FACE, NEC-----	-	-	-	-	-	16	16	-	-	-	-	-	-	-
HEAD, NEC-----	-	-	-	-	-	101	101	-	-	-	-	-	-	-
NECK-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
ELBOW-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
WRIST-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
FINGER(S)-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	4	4	-	-	-	-	-	-	-
BACK-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
CHEST-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-
SHOULDER(S)-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-
KNEE-----	-	-	-	-	-	7	7	-	-	-	-	-	-	-
LOWER LEG-----	-	-	-	-	-	21	21	-	-	-	-	-	-	-
ANKLE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
FOOT-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
TOE(S)-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	27	27	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	239	239	-	-	-	-	-	-	-

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

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		PERMANENT	TEMPO- RARY	TOTAL NFI				PERMANENT	TEMPO- RARY	TOTAL NFI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
															TOTAL	PARTIAL	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
																		TOTAL	PARTIAL	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
OTHER INJURIES:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

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					
					TOTAL						PARTIAL				
TOTAL OR AVERAGE.....	52	11,481	11,259	11,721	3,542	15,563	372,300	5,000	52,125	347,421	405,516	777,876	255	30	58
EAR.....	-	30	287	21	30	47	77	-	-	-	377	3,402	1,500	-	13
EYE.....	-	289	21	21	21	138	636	-	-	-	1,500	3,402	1,500	-	11
ARM.....	-	21	21	21	21	31	171	-	-	-	377	3,402	1,500	-	16
TOOTH/TEETH/TONGUE.....	-	28	28	28	28	115	165	-	-	-	377	3,402	1,500	-	7
NOSE.....	-	6	6	6	6	12	7	-	-	-	377	3,402	1,500	-	15
SKULL.....	-	5	5	5	5	7	7	-	-	-	377	3,402	1,500	-	6
SKIN.....	-	75	75	75	75	90	171	-	-	-	377	3,402	1,500	-	595
FACE.....	-	167	167	167	167	125	378	-	-	-	377	3,402	1,500	-	13
HEAD.....	8	432	432	432	432	135	531	48,000	-	-	377	3,402	1,500	-	261
NECK.....	1	21	21	21	21	98	531	5,000	-	-	377	3,402	1,500	-	44
UPPER ARM.....	-	21	21	21	21	11	32	-	-	-	377	3,402	1,500	-	23
ELBOW.....	-	178	178	178	178	219	219	-	-	-	377	3,402	1,500	-	26
FOREARM.....	-	82	82	82	82	151	151	-	-	-	377	3,402	1,500	-	24
WRIST.....	-	130	130	130	130	579	579	-	-	-	377	3,402	1,500	-	25
HAND.....	-	456	456	456	456	276	259	-	-	-	377	3,402	1,500	-	21
FINGERS.....	-	1,064	1,064	1,064	1,064	2,056	2,056	-	-	-	377	3,402	1,500	-	73
UPPER EXTREMITIES.....	-	2,241	2,241	2,241	2,241	2,056	2,056	-	-	-	377	3,402	1,500	-	238
ABDOMEN.....	-	50	50	50	50	66	66	-	-	-	377	3,402	1,500	-	36
BACK.....	-	3	3	3	3	296	296	-	-	-	377	3,402	1,500	-	18
CHEST.....	2	3,504	3,504	3,504	3,504	427	3,930	12,000	-	-	377	3,402	1,500	-	38
PELVIC REGION.....	-	241	241	241	241	18	18	-	-	-	377	3,402	1,500	-	16
SHOULDER(S).....	-	373	373	373	373	410	410	-	-	-	377	3,402	1,500	-	29
TRUNK.....	-	308	308	308	308	37	37	-	-	-	377	3,402	1,500	-	36
THIGH.....	1	236	236	236	236	28	28	5,000	-	-	377	3,402	1,500	-	37
LEG.....	-	71	71	71	71	109	109	-	-	-	377	3,402	1,500	-	35
KNEE.....	-	1,060	1,060	1,060	1,060	1,090</									

TABLE 19A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ANTHRAHITE COAL OPERATIONS IN THE UNITED STATES, 1988

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				TOTAL	PARTIAL						
EXPLODING VESSEL UNDER PRESSURE FACE, NEC	-	-	1	1	1	1	-	-	-	3	-	3	3	3	
TOTAL OR AVERAGE	-	-	1	1	1	1	-	-	-	3	-	3	3	3	
FALL OF ROOF (UNDER- GROUND MINES ONLY):	-	-	1	1	1	1	-	-	-	1	-	1	17	1	
HAND	-	-	1	1	1	1	-	-	-	17	-	17	4	4	
BACK	-	-	1	1	1	1	-	-	-	4	-	4	7	7	
CHEST	-	-	1	1	1	1	-	-	-	22	-	22	7	7	
TOTAL OR AVERAGE	-	-	3	3	3	3	-	-	-	22	-	22	7	7	
HANDLING MATERIAL:	-	-	3	3	3	3	-	-	-	7	-	7	2	2	
EYE	-	-	-	-	-	-	8	-	-	-	-	-	-	-	
SCALP	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
HEAD, NEC	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
NECK	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
ELBOW	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
WRIST	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
HAND	-	-	2	2	2	2	1	-	-	-	-	-	-	-	
FINGER(S)	-	-	1	1	1	1	1	-	-	-	-	-	-	-	
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
ABDOMEN	-	-	-	-	-	-	2	-	-	-	-	-	-	-	
ARM	-	-	23	23	23	23	1	-	-	-	-	-	-	-	
BACK	-	-	-	-	-	-	2	-	-	-	-	-	-	-	
CHEST	-	-	5	5	5	5	1	-	-	-	-	-	-	-	
PELVIC REGION	-	-	-	-	-	-	2	-	-	-	-	-	-	-	
SHOULDER(S)	-	-	2	2	2	2	1	-	-	-	-	-	-	-	
TRUNK, NEC	-	-	2	2	2	2	1	-	-	-	-	-	-	-	
ANKLE	-	-	5	5	5	5	1	-	-	-	-	-	-	-	
FOOT	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
TOE(S)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	2	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	6	55	61	61	61	21	-	310	1,549	1,859	52	28	30	

TABLE 19A - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT ANTHRACITE COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL		
		PERMANENT	TEMPO- RARY	TOTAL NFIL					PERMANENT		TOTAL NFDL						
									TOTAL	PARTIAL							
																TOTAL	PARTIAL
HAND TOOL:																	
EYE-----	-	-	-	1	1	1	3	-	-	-	1	-	1	1	41	1	1
JAW-----	-	-	-	1	1	1	1	-	-	-	1	-	1	1	41	-	1
NOSE-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	5	-	5
FACE, NEC-----	-	-	-	2	2	2	1	-	-	-	10	-	10	10	4	-	4
HEAD, NEC-----	-	-	-	1	1	1	1	-	-	-	26	-	26	26	28	-	28
NECK-----	-	-	-	1	1	1	1	-	-	-	17	-	17	17	8	-	8
ELBOW-----	-	-	-	2	2	2	1	-	-	-	300	-	300	300	68	-	68
HAND-----	-	-	-	1	1	1	1	-	-	-	1	-	1	1	146	-	146
FINGER(S)-----	-	-	-	1	1	1	1	-	-	-	100	-	100	100	57	-	57
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	1	-	-	-	73	-	73	73	73	-	73
BACK-----	-	-	-	1	1	1	1	-	-	-	70	-	70	70	70	-	70
SHOULDER(S)-----	-	-	-	1	1	1	1	-	-	-	2	-	2	2	2	-	2
THIGH-----	-	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	13	13	13	3	-	-	-	554	-	554	554	33	-	47
NOTE: OR AVERAGE-----	-	-	-	13	13	13	-	-	-	-	-	-	-	-	-	-	-
NONPOWERED HAULAGE:																	
BACK-----	-	-	-	1	1	1	1	-	-	-	10	-	10	10	10	-	10
PELVIC REGION-----	-	-	-	1	1	1	1	-	-	-	10	-	10	10	10	-	10
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-
POWERED HAULAGE:																	
HEAD, NEC-----	-	-	-	1	1	1	1	-	-	-	42	-	42	42	42	-	42
FINGER(S)-----	-	-	-	1	1	1	1	-	-	-	28	-	28	28	28	-	28
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	1	-	-	-	86	-	86	86	86	-	86
BACK-----	-	-	-	1	1	1	1	-	-	-	36	-	36	36	36	-	36
CHEST-----	-	-	-	1	1	1	1	-	-	-	36	-	36	36	36	-	36
LOWER LEG-----	-	-	-	1	1	1	1	-	-	-	30	-	30	30	30	-	30
ANKLE-----	-	-	-	1	1	1	1	-	-	-	72	-	72	72	72	-	72
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	1	-	-	-	34	-	34	34	34	-	34
MULTIPLE PARTS OF BODY-----	1	-	-	-	-	-	16	5,000	-	-	5,000	-	5,000	5,000	3,017	-	3,017
TOTAL OR AVERAGE-----	1	-	-	14	14	15	16	5,000	-	-	5,768	-	5,768	5,768	55	-	451

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

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST HOURS				AVERAGE SEVERITY										
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NOL	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL							
		PERMANENT	TEMPORARY	TOTAL					PERMANENT	TEMPORARY	TOTAL										
MACHINERY:	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
EAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
FACE	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
NECK	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
NECK, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
TRUNK, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
SLIP OR FALL OF PERSON:	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
FACE	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
NECK	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
NECK, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
FOREARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
ABDOMEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
CHEST	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
PELVIC REGION	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
SHOULDER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
TRUNK, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
THIGH	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
LOWER LEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
STEPPING OR KICKING ON OBJECT:	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-							

TABLE 19A. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1989 (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	NFE ^a			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL NFDL					PERMANENT		TEMPORARY					TOTAL NFDL
									TOTAL	PARTIAL						
STRIKING OR BUMPING: BACK-----	-	-	1	1	1	-	1	-	-	223	223	-	223	223	223	
TOTAL OR AVERAGE-----	-	-	1	1	1	-	1	-	-	223	223	-	223	223	223	
OTHER INJURIES: EYE-----	-	-	1	1	1	1	2	-	-	5	5	-	5	5	5	
BODY SYSTEMS-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	1	1	1	2	3	-	-	5	5	-	5	5	5	
TOTAL OR AVERAGE: EAR-----	-	-	6	6	6	14	1	-	-	17	17	-	17	17	3	
EYE-----	-	-	1	1	1	1	20	-	-	41	41	-	41	41	3	
JAW-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	41	
NOSE-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
SCALP-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
FACE, NEC-----	-	-	2	2	2	3	5	-	-	63	63	-	63	63	32	
HEAD, NEC-----	-	-	4	4	4	2	6	-	-	53	53	-	53	53	13	
NECK-----	-	-	4	4	4	-	4	-	-	126	126	-	126	126	32	
ELBOW-----	-	-	5	5	5	-	5	-	-	80	80	-	80	80	16	
FOREARM-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
WRIST-----	-	-	3	3	3	2	10	-	-	141	141	-	141	141	47	
HAND-----	-	-	7	7	7	7	24	-	-	50	50	-	50	50	7	
FINGER(S)-----	-	-	15	17	17	2	6	-	-	326	326	-	326	326	22	
UPPER EXTREMITIES, NEC-----	-	-	2	2	2	7	2	-	-	63	63	-	63	63	16	
ARM-----	-	-	5	5	5	1	5	-	-	55	55	-	55	55	55	
SHOULDER(S)-----	-	-	50	52	52	1	2	-	-	3,144	3,144	-	3,144	3,144	60	
TRUNK, NEC-----	-	-	10	10	10	2	12	-	-	425	425	-	425	425	42	
THIGH-----	-	-	1	1	1	1	7	-	-	262	262	-	262	262	12	
LEG-----	-	-	5	5	5	1	6	-	-	153	153	-	153	153	31	
FOOT-----	-	-	4	4	4	1	4	-	-	54	54	-	54	54	14	
TOE(S)-----	-	-	9	9	9	4	2	-	-	132	132	-	132	132	132	
LOWER EXTREMITIES, NEC-----	-	-	10	10	10	1	13	-	-	295	295	-	295	295	33	
BODY SYSTEMS-----	-	-	10	10	10	1	6	-	-	397	397	-	397	397	66	
MULTIPLE PARTS OF BODY-----	-	-	10	10	10	1	11	-	-	215	215	-	215	215	22	
TOTAL OR AVERAGE-----	1	7	170	177	178	60	238	6,000	510	6,480	7,330	87	6,480	13,330	75	

TABLE 19B - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INURED AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NEED				TOTAL FATAL AND NFDL	AVERAGE SEVERITY							
	FATAL	NFDL						TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NEED			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY				
		PERMANENT	TEMPO- RARY	TOTAL NFDL							TOTAL FATAL AND NFDL		TOTAL INJURIES				FATAL	NEED		TOTAL FATAL AND NFDL
																		TOTAL	PARTIAL	
ELECTRICAL:																				
EYE	-	-	-	-	25	30	-	-	-	57	57	-	4	-	-	97	4			
FACE, NEC	-	-	-	-	3	3	-	-	-	33	33	-	11	-	-	33	11			
HEAD, NEC	-	-	-	-	3	3	-	-	-	32	32	-	16	-	-	32	16			
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
FOREARM	-	-	-	-	3	3	-	-	-	10	10	-	5	-	-	10	5			
WRIST	-	-	-	-	3	3	-	-	-	15	15	-	10	-	-	15	10			
HAND	-	-	-	-	32	36	-	-	-	507	507	-	188	-	-	507	188			
FINGER(S)	-	-	-	-	3	3	-	-	-	156	156	-	24	-	-	156	24			
UPPER EXTREMITIES, NEC	-	-	-	-	3	3	-	-	-	188	188	-	25	-	-	188	25			
BACK	-	-	-	-	3	3	-	-	-	76	76	-	10	-	-	76	10			
PELVIC REGION	-	-	-	-	3	3	-	-	-	10	10	-	38	-	-	10	38			
THIGH	-	-	-	-	3	3	-	-	-	76	76	-	2	-	-	76	2			
LOWER EXTREMITIES, NEC	-	-	-	-	26	40	24,000	-	-	2	2	-	36	-	-	25,036	759			
BODY SYSTEMS	4	-	-	-	23	27	-	-	-	1,036	1,036	-	26	-	-	587	26			
MULTIPLE PARTS OF BODY	-	-	-	-	23	27	-	-	-	587	587	-	21	-	-	26	21			
TOTAL OR AVERAGE	4	-	-	-	142	178	24,000	-	-	2,933	2,933	-	-	-	-	26,933	184			
ENTRAPMENT:																				
BACK	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	293	-			
TRUNK, NEC	-	-	-	-	1	1	-	-	-	293	293	-	-	-	-	-	293			
MULTIPLE PARTS OF BODY	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-			
UNCLASSIFIED	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE	-	-	-	-	1	4	-	-	-	293	293	-	-	-	-	293	293			
EXPLODING VESSEL UNDER PRESSURE:																				
EYE	-	-	-	-	5	9	-	-	-	29	29	-	5	-	-	29	5			
FACE, NEC	-	-	-	-	2	3	5,000	-	-	5	5	-	2	-	-	5	2			
HEAD, NEC	1	-	-	-	3	3	-	-	-	3	3	-	3	-	-	3,003	3			
HAND	-	-	-	-	4	4	-	-	-	4	4	-	4	-	-	4	4			
UPPER EXTREMITIES, NEC	-	-	-	-	15	15	-	-	-	15	15	-	8	-	-	15	8			
ABDOMEN	-	-	-	-	103	103	-	-	-	103	103	-	34	-	-	103	34			
BACK	-	-	-	-	21	21	-	-	-	21	21	-	21	-	-	21	21			
CHEST	-	-	-	-	46	46	-	-	-	46	46	-	46	-	-	46	46			
KNEE	-	-	-	-	49	49	-	-	-	49	49	-	24	-	-	49	24			
LOWER LEG	-	-	-	-	15	15	-	-	-	15	15	-	5	-	-	15	5			
FOOT	-	-	-	-	291	291	-	-	-	291	291	-	13	-	-	291	13			
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,291	-			
TOTAL OR AVERAGE	1	-	-	-	22	33	5,000	-	-	291	291	-	-	-	-	6,291	274			

TABLE 15B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT BITUMINOUS COAL 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	NOL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		TOTAL	PERMANENT	PARTIAL					TOTAL	TEMPORARY	TOTAL NFIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
EXPLOSIVE AND BREAKING AGENT: EAR----- EYE----- HEAD, NEC----- NECK----- HAND----- FINGER(S)----- UPPER EXTREMITIES, NEC----- SHOULDER(S)----- THIGH----- LOWER LEG----- FOOT----- LOWER EXTREMITIES, NEC----- BODY SYSTEMS----- MULTIPLE PARTS OF BODY----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	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	PARTIAL	TOTAL				TEMPO- RARY	TOTAL NFIL							
										PERMANENT					TOTAL	PARTIAL
FALL OF FACE, RIB, SIDE OR HIGHWALL:																
EAR					1									1		
EYE					1									11		
MOUTH/TEETH/TONGUE					1									6		
SCALP					2									3		
FACE, NEC					2									4		
HEAD, NEC	1				6		5,000							10		
NECK					6									6		
UPPER ARM																
FOREARM																
WRIST																
HAND																
FINGER(S)					10									14		
UPPER EXTREMITIES, NEC					10									16		
BACK					13									22		
CHEST					13									64		
PELVIC REGION					5									19		
SHOULDER(S)					6									37		
TRUNK, NEC					6									43		
THIGH					6									30		
KNEE					6									8		
LOWER LEG					6									21		
ANKLE					6									42		
FOOT					6									31		
LOWER EXTREMITIES, NEC					2									25		
MULTIPLE PARTS OF BODY	2				23		12,000							36		
TOTAL OR AVERAGE	3				155		18,000							517		
					155									145		

TABLE 19B - NUMBER OF INJURIES, LOST HOLIDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST HOLIDAYS					AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NO.	TOTAL INJURIES	FATAL	NFI		TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		TOTAL	TEMPORARY	TOTAL NFI					PERMANENT	TOTAL				
FALL OF ROOF (UNDERGROUND MINES ONLY):														
EAR	-	1	7	8	4	13	-	-	1,818	6	1,824	1,800	6	3,630
EYE	-	3	3	6	9	4	-	-	40	18	58	-	3	13
JAW	-	2	1	3	5	3	-	-	7	7	14	-	4	4
MOUTH/TEETH/TONGUE	-	1	2	3	4	3	-	-	18	18	36	-	18	18
NOSE	-	2	6	8	10	5	-	-	92	92	184	-	3	15
SCALP	-	2	2	4	6	3	-	-	540	540	1,080	-	15	15
FACE, NEC	-	2	2	4	6	3	-	24,000	1,108	1,108	1,108	-	26	890
HEAD, NEC	4	39	39	78	117	13	-	-	-	-	-	-	28	28
NECK	-	1	1	2	3	1	-	-	-	-	-	-	-	-
UPPER ARM	-	1	1	2	3	1	-	-	-	-	-	-	-	-
ELBOW	-	1	1	2	3	1	-	-	-	-	-	-	-	-
FOREARM	-	1	1	2	3	1	-	-	-	-	-	-	-	-
WRIST	-	1	1	2	3	1	-	-	-	-	-	-	-	-
HAND	-	39	39	78	117	13	-	-	39	39	78	-	10	10
FINGER(S)	-	38	38	76	114	13	-	-	99	99	198	-	20	20
UPPER EXTREMITIES, NEC	-	2	2	4	6	1	-	-	1,007	1,007	2,014	212	26	2,226
BACK	-	15	15	30	45	23	-	-	1,521	1,521	3,042	-	34	3,076
CHEST	-	18	18	36	54	23	-	-	541	541	1,082	-	43	1,125
PELVIC REGION	-	73	73	146	219	11	-	-	3,201	3,201	6,402	-	18	6,420
SHOULDER(S)	-	16	16	32	48	8	-	-	110	110	220	-	48	258
TRUNK, NEC	1	22	22	44	66	11	-	6,000	527	527	6,527	-	25	6,552
THIGH	-	8	8	16	24	24	-	-	869	869	1,738	-	43	1,781
KNEE	-	22	22	44	66	8	-	-	134	134	268	-	17	285
LOWER LEG	-	11	11	22	33	11	-	-	451	451	902	-	20	922
ANKLE	-	19	19	38	57	12	-	-	711	711	1,422	-	65	1,487
FOOT	-	48	48	96	144	13	-	-	836	836	1,672	-	44	1,716
TOE(S)	-	3	3	6	9	3	-	-	1,750	1,750	3,500	1,750	31	3,531
LOWER EXTREMITIES, NEC	-	27	27	54	81	16	-	-	97	97	194	-	32	226
MULTIPLE PARTS OF BODY	12	107	107	214	321	19	-	72,000	3,146	3,146	75,146	-	43	75,189
TOTAL OR AVERAGE	17	581	581	1,162	1,743	133	-	102,000	22,388	22,388	124,388	994	32	125,382
FIRE:														
EYE	-	3	3	6	9	1	-	-	7	7	14	-	2	16
FACE, NEC	-	3	3	6	9	1	-	-	11	11	22	-	8	30
HAND	-	3	3	6	9	1	-	-	42	42	84	-	20	104
BACK	-	3	3	6	9	1	-	-	58	58	116	-	19	135
KNEE	-	3	3	6	9	1	-	-	15	15	30	-	5	35
LOWER LEG	-	1	1	2	3	1	-	-	5	5	10	-	3	13
UPPER EXTREMITIES, NEC	-	1	1	2	3	1	-	-	3	3	6	-	3	9
BODY SYSTEMS	1	13	13	26	39	1	-	5,000	528	528	5,528	-	48	5,576
MULTIPLE PARTS OF BODY	1	1	1	2	3	1	-	5,000	528	528	5,528	-	48	5,576
TOTAL OR AVERAGE	2	31	31	62	93	3	-	12,000	528	528	12,528	-	27	12,555

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

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					TOTAL FATAL AND NFDL	TOTAL INJURIES	F.A.I.A.	LOST WORKDAYS				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	AVERAGE SEVERITY	
	FATAL			NFDL					PERMANENT		NFDL						
	TOTAL	PARTIAL	TOTAL	TEMPO- RARY	TOTAL				PARTIAL	TOTAL	TEMPO- RARY						
HANDLING MATERIAL:																	
EAR																	12
EYE																	5
JAW																	12
MOUTH/TEETH/TONGUE																	11
NOSE																	6
SCALP																	296
SKULL																	25
FACE NEC																	8
HEAD NEC																	26
NECK																	25
UPPER ARM																	24
ELBOW																	24
FOREARM																	24
Wrist																	24
HAND																	24
FINGER(S)																	24
UPPER EXTREMITIES NEC																	24
ARM																	24
SHOULDER																	24
PELVIC REGION																	24
SHOULDER(S)																	24
TRUNK NEC																	24
THIGH																	24
KNEE																	24
LOWER LEG																	24
ANKLE																	24
FOOT																	24
TOE(S)																	24
LOWER EXTREMITIES NEC																	24
BODY SYSTEMS																	24
MULTIPLE PARTS OF BODY																	24
TOTAL OR AVERAGE	106	3,855	3,966	3,966	3,966	3,966	6,000	8,285	115,336	123,623	78	30	33				

TABLE 18B - NUMBER OF INJURIES, LOSST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT BILLINGS BOA OPERATIONS IN THE UNITED STATES, 1988 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOSST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NO. INJURED	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				
HAND TOOL: EAR..... EYE..... JAW..... MOUTH/TEETH/TONGUE..... NOSE..... SCALP..... FACE, NEC..... HEAD, NEC..... NECK..... UPPER ARM..... ELBOW..... FOREARM..... WRIST..... HAND..... FINGER(S)..... UPPER EXTREMITIES, NEC..... ABDOMEN..... BACK..... CHEST..... PELVIC REGION..... SHOULDER(S)..... TRUNK, NEC..... THIGH..... KNEE..... LOWER LEG..... ANKLE..... FOOT..... TOE(S)..... LOWER EXTREMITIES, NEC..... MULTIPLE PARTS OF BODY..... UNCLASSIFIED..... TOTAL OR AVERAGE.....	1 1													

TABLE 1B - NUMBER OF INJURIES, LOSSES, AND AVERAGE SEVERITY OF INJURY FOR ALL TYPES OF ACCIDENTS, BY PART OF BODY INJURED
 AVERAGE SEVERITY OF INJURY IS THE AVERAGE OF THE AVERAGE SEVERITY OF ALL INJURIES TO THAT PART OF THE BODY

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOSSES				AVERAGE SEVERITY				
	FATAL	NFI			TOTAL FATAL AND NFI	N.	TOTAL INJURIES	TOTAL	NFI		TOTAL FATAL AND NFI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI	AVERAGE SEVERITY
		PERMANENT	TEMPORARY	TOTAL					TOTAL	PARTIAL					
POWERED HAULAGE															
EAR	-	-	-	38	1	39	-	-	-	38	-	-	-	38	12.4
EYE	-	-	-	38	1	39	-	-	-	38	-	-	-	38	39.4
HEAD	-	-	-	38	1	39	-	-	-	38	-	-	-	38	4.7
MOUTH/TEETH/TONGUE	-	-	-	38	1	39	-	-	-	38	-	-	-	38	26.78
NOSE	-	-	-	38	1	39	-	-	-	38	-	-	-	38	14.12
SCALP	-	-	-	38	1	39	-	-	-	38	-	-	-	38	37.8
SKULL	-	-	-	38	1	39	-	-	-	38	-	-	-	38	3.6
FACE, NEC	-	-	-	38	1	39	-	-	-	38	-	-	-	38	22.32
HEAD, NEC	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.32
NECK	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
UPPER ARM	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
ELBOW	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
FOREARM	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
WRIST	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
HAND	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
FINGER(S)	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
UPPER EXTREMITIES, NEC	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
ABDOMEN	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
BACK	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
CHEST	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
PELVIC REGION	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
SHOULDER(S)	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
TRUNK, NEC	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
THIGH	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
KNEE	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
LOWER LEG	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
ANKLE	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
FOOT	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
TOE(S)	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
LOWER EXTREMITIES, NEC	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
BODY SYSTEMS	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
MULTIPLE PARTS OF BODY	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
UNCLASSIFIED	-	-	-	38	1	39	-	-	-	38	-	-	-	38	32.4
TOTAL OR AVERAGE	5	22	1,411	1,433	331	1,764	30,000	23,000	48,556	101,576	1,046	34	71	3,003	34
HOISTING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	33	1	34	-	-	-	33	-	-	-	33	33
SHOULDER(S)	-	-	-	33	1	34	-	-	-	33	-	-	-	33	35
LOWER EXTREMITIES, NEC	-	-	-	33	1	34	-	-	-	33	-	-	-	33	40
TOTAL OR AVERAGE	-	-	3	3	-	3	-	-	121	121	-	-	-	121	40

TABLE 199. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT BITUMINOUS COAL 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	PERMANENT	TEMPORARY	TOTAL NFDL					TOTAL	PARTIAL					
IGNITION OR EXPLOSION OF GAS OR DUST:																
EYE.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER ARM.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PELVIC REGION.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BODY SYSTEMS.....	10	-	-	-	-	-	-	5	50.00	-	-	50.00	-	-	-	50.00
MULTIPLE PARTS OF BODY.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE.....	10	-	-	17	17	27	2	29	50.00	-	-	50.00	-	-	-	50.00
INMUNITION:																
PELVIC REGION.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY:																
EAR.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EYE.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JAW.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOSE.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCALP.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SKULL.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NECK.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER ARM.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBOW.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOREARM.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S).....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ABDOMEN.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEST.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PELVIC REGION.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOULDER(S).....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRUNK, NEC.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THIGH.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER LEG.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOE(S).....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BODY SYSTEMS.....	7	-	-	14	14	21	18	39	40.00	-	-	40.00	-	-	-	40.00
MULTIPLE PARTS OF BODY.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE.....	11	-	-	34	34	52	64	116	40.00	-	-	40.00	-	-	-	40.00

TABLE 1B - NUMBER OF INJURIES, LOSSES AND AVERAGE SEVERITY BY TYPE OF ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
 - PERMANENT TOTAL OPERATION IN THE UNITED STATES 1965 - CONTINUED

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURED						LOSSES AND DAYS						AVERAGE SEVERITY					
	FATAL	NFD			TOTAL FATAL AND NFD	NO. INJURED	TOTAL NFD	TOTAL NFD	TOTAL NFD	TOTAL FATAL AND NFD	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFD	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFD		
		TOTAL	PARTIAL	TEMPORARY														
																	PERMANENT	TEMPORARY
SUP OR FALL OF PERSON: HEAD EAR EYE JAW MOUTH/TEETH/TONGUE NOSE SCALP SKULL FACE FACE HEAD NECK UPPER ARM ELBOW FOREARM WRIST HAND FINGER(S) UPPER EXTREMITIES, NEC ARM/ARM BACK CHEST PELVIC REGION SHOULDER(S) TRUNK, NEC THIGH KNEE LOWER LEG ANKLE FOOT TOE(S) LOWER EXTREMITIES, NEC MULTIPLE PARTS OF BODY UNCLASSIFIED TOTAL OR AVERAGE	1 1																	

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

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NEDL			TOTAL FATAL AND NEDL	TOTAL INJURIES	NOL	TOTAL FATAL AND NEDL	NEDL		TOTAL FATAL AND NEDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NEDL
		TOTAL	PARTIAL	TEMPO- RARY					TOTAL NEDL					
										TOTAL				
-	-	-	-	-	-	-	-	-	-		-	-	-	-
STEPPING OR KNEELING ON OBJECT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	2	-	455	-	455	-	22	455
NECK	-	-	-	-	-	-	2	-	10	-	10	-	8	10
ARM(S)	-	-	-	-	-	-	2	-	3,055	-	3,055	-	15	3,055
Wrist	-	-	-	-	-	-	15	-	1,372	-	1,372	-	15	1,372
Hand	-	-	-	-	-	-	4	-	529	-	529	-	7	529
Back	-	-	-	-	-	-	16	-	128	-	128	-	4	128
Chest	-	-	-	-	-	-	2	-	-	-	-	-	-	-
PELVIC REGION	-	-	-	-	-	-	2	-	-	-	-	-	-	-
TRUNK, NEC	-	-	-	-	-	-	2	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	236	236	-	-	236	-	23	236
LOWER LEG	-	-	-	-	-	-	45	-	5,521	-	5,521	-	23	5,521
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	236	236	-	-	4,472	-	23	4,472
STRICKING OR BUMPING:	-	-	-	-	-	-	669	669	-	-	669	-	12	669
EAR	-	-	-	-	-	-	3	-	-	-	-	-	-	-
EYE	-	-	-	-	-	-	4	-	-	-	-	-	-	-
FACE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	-	79	79	-	-	79	-	14	79
NECK	-	-	-	-	-	-	4	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	-	79	79	-	-	79	-	25	79
WRIST	-	-	-	-	-	-	1	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	3	3	-	-	3	-	19	3
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	17	17	-	-	17	-	3	17
BACK	-	-	-	-	-	-	3	3	-	-	3	-	28	3
CHEST	-	-	-	-	-	-	20	20	-	-	20	-	36	20
SHOULDER(S)	-	-	-	-	-	-	1	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	1	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	-	1	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	1	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	1	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	-	1	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	23	23	-	-	23	-	34	23
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	164	164	-	-	164	-	27	164
TOTAL OR AVERAGE	-	-	-	-	-	-	164	164	-	-	4,472	-	27	4,472

TABLE 188 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT BILLINGS TOTAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST HOURS					AVERAGE SEVERITY							
	FATAL	MED			TOTAL FATAL AND MED	TOTAL INJURIES	FATAL	MED			TOTAL FATAL AND MED	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MED					
		PERMANENT	TEMPO- RARY	TOTAL MED				PERMANENT	TEMPO- RARY	TOTAL MED									
															TOTAL	PARTIAL	TOTAL	PARTIAL	TOTAL
OTHER INJURIES:																			
EAR	-	-	1	-	1	4	36	-	-	-	2	-	2	2	2				
EYE	-	-	10	-	10	36	20	-	-	-	17	-	2	2	14				
FACE, MED	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
HEAD, MED	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
NECK	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
ELBOW	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
Wrist	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
ARM	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
Hand	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
Finger(s)	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
UPPER EXTREMITIES, MED	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
BACK	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
CHEST	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
PELVIC REGION	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
SHOULDER(S)	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
TRUNK, MED	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
THIGH	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
KNEE	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
ANKLE	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
FOOT	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
BODY SYSTEMS	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
MULTIPLE PARTS OF BODY	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
UNCLASSIFIED	-	-	-	-	-	2	2	-	-	-	-	-	-	-	2				
TOTAL OR AVERAGE	2	-	121	-	123	181	57	12,000	900	-	4,111	900	34	17,011	137				

TABLE 19B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT BITUMINOUS COAL 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	NFDL	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL					TOTAL	PERMANENT	PARTIAL					TOTAL NFDL
TOTAL OR AVERAGE	51	190	11,281	11,432	11,543	3,782	366,000	6,000	51,515	341,031	398,546	764,546	271	30	66	
EAR	-	-	30	-	30	46	-	-	-	-	377	377	-	13	13	
EYE	-	1	291	-	292	324	-	-	1,800	-	3,365	3,365	1,800	15	15	
JAW	-	-	20	-	20	50	-	-	-	-	295	295	-	7	7	
MOUTH/TEETH/TONGUE	-	-	34	-	34	135	-	-	-	-	244	244	-	15	15	
NOSE	-	-	28	-	28	68	-	-	-	-	431	431	-	8	8	
SCALP	-	-	6	-	6	11	-	-	-	-	51	51	-	936	936	
SKULL	1	-	6	-	7	7	6,000	-	-	-	551	551	-	15	15	
FACE, NEC	-	-	77	-	77	89	-	-	-	-	1,117	1,117	-	16	16	
HEAD, NEC	8	-	183	-	191	181	48,000	-	-	-	2,872	2,872	-	30	30	
NECK	-	-	428	-	428	98	6,000	-	-	-	12,968	12,968	-	23	23	
UPPER ARM	1	-	21	-	21	11	-	-	-	-	488	488	-	26	26	
ELBOW	-	-	173	-	173	61	-	-	-	-	4,531	4,531	-	29	29	
FOREARM	-	-	82	-	82	78	-	-	-	-	2,002	2,002	-	22	22	
WRIST	-	-	189	-	189	65	-	-	-	-	5,444	5,444	-	30	30	
HAND	-	-	451	-	451	273	-	-	-	-	9,778	9,778	-	74	74	
FINGER(S)	-	57	1,010	-	1,067	955	-	-	10,345	21,821	32,166	32,166	181	20	20	
UPPER EXTREMITIES, NEC	-	3	217	-	220	70	-	-	9,720	6,555	16,285	16,285	3,240	34	34	
ARM	-	-	49	-	49	15	-	-	-	1,183	1,183	1,183	-	24	24	
ABDOMEN	-	-	3,456	-	3,456	422	-	-	6,000	122,045	131,945	131,945	1,100	38	38	
BACK	1	-	233	-	233	75	-	-	-	3,837	3,837	3,837	-	35	35	
CHEST	2	-	231	-	231	308	12,000	-	-	7,290	12,680	12,680	50	17	17	
PELVIC REGION	-	112	367	-	367	403	-	-	5,600	13,572	13,572	13,572	-	29	29	
SHOULDER(S)	-	-	383	-	383	83	-	-	-	7,605	7,605	7,605	-	35	35	
TRUNK, NEC	-	-	232	-	232	28	-	6,000	-	1,478	1,478	1,478	-	31	31	
THIGH	1	-	70	-	70	37	-	-	-	36,628	36,628	36,628	-	35	35	
KNEE	-	-	1,051	-	1,051	156	-	-	-	5,443	5,443	5,443	-	44	44	
LOWER LEG	-	-	123	-	123	41	-	-	-	11,434	11,434	11,434	-	25	25	
ANKLE	-	-	459	-	459	35	-	-	-	12,668	12,668	12,668	892	24	24	
FOOT	-	2	521	-	521	80	-	-	-	4,127	4,127	4,127	455	33	33	
TOE(S)	-	-	74	-	74	37	-	-	1,765	11,951	18,101	18,101	2,050	35	35	
LOWER EXTREMITIES, NEC	-	4	313	-	313	97	-	-	6,150	1,122	115,122	115,122	-	24	24	
BODY SYSTEMS	19	-	46	-	46	89	-	-	-	10,386	42,243	42,243	2,136	40	40	
MULTIPLE PARTS OF BODY	29	-	789	-	789	138	366,000	6,000	-	341,031	398,546	764,546	271	30	66	
UNCLASSIFIED	-	-	6	-	6	1	-	-	-	110	110	110	-	18	18	

TABLE 20. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT ALL COAL OPERATIONS IN THE UNITED STATES, 1969

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	PERM- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL																																																																																																												
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL																																																																																																																	
										TOTAL					PARTIAL	TOTAL																																																																																																										
ELECTRICAL: ASPHYXIATION/DROWNING----- BURN/SCALD (HOT LIQ.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- DUST IN EYE----- ELECTRIC SHOCK----- ELECT. BURN (CONTACT)----- POISONING (SYSTEMIC)----- RADIATION/ULTRA VIOLET----- STRAIN/SPRAIN----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - 4 - - - - - - - 4	- - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - -

TABLE 20. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT ALL COAL 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			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL				
EXPLOSIVE AND BREAKING AGENT:----- ASPHYXIATION/CHOKING:----- CONCUSSION (CEREBRAL):----- CONTUSION OR BRUISE:----- CUT OR PUNCTURE:----- DUST IN EYE:----- FRACTURE:----- SCRATCH/ABRASION:----- STRAIN/SPRAIN:----- MULTIPLE INJURIES:----- UNCLASSIFIED (NO DATA):----- TOTAL OR AVERAGE:-----	- - 1 - - - - - - 1 2	- - - - - - - - - - -	- - - - - - - - - - -	1 1 8 4 4 3 3 2 1 2 21	1 1 7 4 4 3 3 2 2 2 23	1 1 5 1 1 1 1 1 1 6	- 6,000 - 6,000 12,000 - - - - - - -	- - - - - - - - - - -	10 1 43 102 - 180 - 37 37 17 427	10 1 5 26 - 60 - 18 37 8 20	10 1 755 26 - 60 - 3,018 8 540				
FALLING, ROLLING, OR SLIDING MATERIAL:----- ASPHYXIATION/CHOKING:----- CONCUSSION (CEREBRAL):----- CONTUSION OR BRUISE:----- CUT OR PUNCTURE:----- FRACTURE:----- STRAIN/SPRAIN:----- MULTIPLE INJURIES:----- UNCLASSIFIED (NO DATA):----- TOTAL OR AVERAGE:-----	1 - - - - - - - - 1	- - - - - - - - -	- - - - - - - - -	- 1 12 1 5 6 1 2 28	1 12 1 5 6 1 2 29	- 1 2 5 1 1 1 10	5,000 - - - - - - - - 6,000	- - - - - - - - -	- 2 320 2 317 152 52 55 900	- 2 27 2 63 25 32 28 32	6,000 2 27 2 63 25 32 28 238				
FALL OF FACE, RIB, SIJUE OR HIGHWALL:----- CONTUSION OR BRUISE:----- CUT OR PUNCTURE:----- FRACTURE:----- SCRATCH/ABRASION:----- STRAIN/SPRAIN:----- MULTIPLE INJURIES:----- UNCLASSIFIED (NO DATA):----- TOTAL OR AVERAGE:-----	2 - - - - 1 3	- - - - - - -	- - - - - - -	53 9 32 3 19 26 14 155	55 9 32 3 19 26 14 158	11 15 4 4 4 2 2 38	12,000 - - - - 6,000 - - 18,000	- - - - - - - -	631 168 1,879 15 525 861 783 4,862	12 19 59 5 28 34 56 31	230 19 1,879 5 525 861 783 22,862				

TABLE 20. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT ALL COAL 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	TEMPO- RARY	TOTAL					TOTAL NFDL					
TOTAL	PARTIAL	TOTAL	PARTIAL	TOTAL										
HAND TOOL: AMPUTATION/ENUCLEATION----- BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONCUSSION (CEREBRAL)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DERMATITIS----- DISLOCATION----- DUST IN EYE----- FRACTURE----- HEARING IMPAIRMENT----- HERNIA (NOT DISC)----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- -<													

TABLE 20. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT ALL COAL OPERATIONS IN THE UNITED STATES, 1959 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	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					TOTAL NFDL							
TOTAL	PARTIAL															
HOISTING: FRACTURE----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - -	- - - -	2 1 3 -	2 1 3 -	2 1 3 -	- - - -	- - - -	- - - -	- - - -	- - - -	88 33 121 -	88 33 121 -	- - - -	44 33 40 -	44 33 40 -	
IGNITION OR EXPLOSION OF GAS OR DUST: ASPHYXIATION/DROWNING----- BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- POISONING (SYSTEMIC)----- RADIATION/ULTRA VIOLET----- TOTAL OR AVERAGE-----	10 - - - - - 10	- - - - - -	2 15 1 1 1 17	2 15 1 1 1 17	10 15 1 1 1 27	- - - - - -	60,000 - - - - - 60,000	- - - - - -	- - - - - -	- - - - - -	224 224 4 2 230 -	224 224 4 2 230 -	- - - - - -	15 4 2 2 14 -	6,000 15 4 2 2 2,231 -	
INUNDATION: STRAIN/SPRAIN----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
MACHINERY: AMPUTATION/ENGULFMENT----- ASPHYXIATION/DROWNING----- 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)----- RADIATION/ULTRA VIOLET----- SCRAATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - 6 1 - - - 1 - - - 3 - - 11	29 - - - - - - - - - - 1 - - - - - 34	1 49 7 4 385 225 1 7 22 242 2 2 19 19 277 166 12 74 1,512	1 49 7 4 385 225 1 7 22 242 1 2 19 19 277 170 12 74 1,546	29 1 49 7 4 391 226 1 7 22 243 1 2 19 19 277 173 12 74 1,557	- - - - - 74 272 2 1 1 39 51 - 										

TABLE 20. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT ALL COAL OPERATIONS IN THE UNITED STATES, 1969 (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			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL					PERMANENT	TEMPO- RARY	TOTAL				
SLIP OR FALL OF PERSON: BURN/SCALD (NOT CHEM.)----- CONCUSSION (CEREBRAL)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- FRACTURE----- HEMIA (NOT DISC.)----- RADIATION/ULTRA VIOLET----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - 1 - - - - 1 - - - 1	- - - - 1 - - - - - - - - - 1	1 6 338 45 19 218 11 1 1 1,214 142 15 120 2,136	1 6 338 45 19 219 11 1 5 1,214 143 15 120 2,137	2 59 87 2 54 - - - 161 33 2 28 428	3 6 397 132 21 273 11 1 5 1,375 176 17 148 2,565	- - - - - - - - - 6,000 - - - 6,000	- - - - - 6,000 550 - - - 550	2 78 8,240 532 741 16,530 550 74 18 42,542 6,287 727 5,167 74,938 81,488	- - - - - 50 - - - - - 50	2 13 24 12 39 75 90 74 4 35 86 48 43 41	2 13 24 12 39 75 90 74 4 35 86 48 43 35	2 78 8,240 532 741 16,530 550 74 18 42,542 6,287 727 5,167 81,488	2 13 24 12 39 75 90 74 4 35 86 48 43 41	
STEPPING OR KNEELING ON OBJECT----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - -	- - - - - - - - -	15 12 16 188 2 6 239	15 12 16 188 2 6 239	4 19 3 14 1 3 45	19 31 19 202 3 1 9 284	- - - - - - - -	- - - - - - - -	- - - - - - - -	319 102 525 4,382 32 206 5,566	- - - - - - -	21 8 33 23 16 - 34 23	21 8 33 23 16 - 34 23	319 102 525 4,382 32 206 5,566	21 8 33 23 16 - 34 23
STRICKING OR BUMPING----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - -	- - - - - - - - -	22 9 5 3 105 7 3 11 165	22 9 5 3 105 7 3 11 165	5 32 8 22 22 5 5 74	27 41 13 3 127 9 3 16 239	- - - - - - - -	- - - - - - - -	- - - - - - - -	519 103 86 4 3,340 281 26 336 4,695	- - - - - - - -	24 11 17 1 32 40 9 31 28	24 11 17 1 32 40 9 31 28	519 103 86 4 3,340 281 26 336 4,695	24 11 17 1 32 40 9 31 28

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

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	LOST WORKDAYS				AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL			NOL	TOTAL FATAL AND NFDL	NFDL			TOTAL FATAL AND NFDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	TEMPO-RARY						TOTAL	PARTIAL	TEMPO-RARY					TOTAL NFDL
OTHER INJURIES:																	
ASPHALTATION/ROADWORK	2	-	-	-	2	2	12,000	-	-	-	-	-	-	6	12,006	6	6,003
CHEMICAL BURN	-	-	-	-	-	2	-	-	-	-	-	-	-	6	141	24	3
CONTUSION OR BRUISE	-	-	-	-	-	1	-	-	-	-	-	-	-	141	63	13	24
CUT OR PUNCTURE	-	-	-	-	-	12	-	-	-	-	-	-	-	63	9	2	13
DUST IN EYE	-	-	-	-	-	13	-	-	-	-	-	-	-	9	62	12	2
FRACTURE	-	-	-	-	-	13	-	-	-	-	-	-	-	6	6	1	1
POISONING (SYSTEMIC)	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
SCALD/ABRASION	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE INJURIES	-	-	-	-	-	79	-	-	-	-	-	-	-	3,264	4,164	47	59
OTHER INJURY, NEC	-	-	-	-	-	4	-	-	-	-	-	-	-	75	109	25	25
UNCLASSIFIED (NO DATA)	-	-	-	-	-	6	-	-	-	-	-	-	-	381	381	25	25
TOTAL OR AVERAGE	2	1	122	123	125	59	12,000	-	-	-	900	4,116	5,016	900	17,016	34	136
OTHER INJURIES:																	
ASPHALTATION/ROADWORK	-	-	-	-	-	67	-	-	-	-	-	-	-	-	23,325	-	348
CHEMICAL BURN	15	-	-	-	15	67	90,000	-	-	-	23,325	26	26	-	90,026	6	348
CONTUSION OR BRUISE	-	-	-	-	-	19	-	-	-	-	-	-	-	-	8,238	19	4,738
CUT OR PUNCTURE	-	-	-	-	-	44	-	-	-	-	-	-	-	-	2,238	5	5
DISLOCATION	-	-	-	-	-	24	-	-	-	-	-	-	-	-	209	28	28
DUST IN EYE	-	-	-	-	-	24	-	-	-	-	-	-	-	-	682	19	19
ELECTRIC SHOCK	-	-	-	-	-	1,830	-	-	-	-	-	-	-	-	35,070	14	14
HEARING IMPAIRMENT	-	-	-	-	-	901	-	-	-	-	-	-	-	-	19,516	2	2
HERNIA (NOT DISC)	-	-	-	-	-	2	-	-	-	-	-	-	-	-	3	44	44
POISONING (SYSTEMIC)	-	-	-	-	-	54	-	-	-	-	-	-	-	-	2,379	2	2
RADIATION/ULTRA VIOLET	-	-	-	-	-	81	-	-	-	-	-	-	-	-	174	37	37
SCALD/ABRASION	-	-	-	-	-	28	-	-	-	-	-	-	-	-	1,034	14	14
STRAIN/SPRAIN	-	-	-	-	-	22	-	-	-	-	-	-	-	-	318	46	46
MULTIPLE INJURIES	-	-	-	-	-	1,137	-	-	-	-	-	-	-	-	63,357	2,400	-
OTHER INJURY, NEC	-	-	-	-	-	115	-	-	-	-	-	-	-	-	6,003	50	49
UNCLASSIFIED (NO DATA)	-	-	-	-	-	8	-	-	-	-	-	-	-	-	44	3	3
OCCUPATIONAL DISEASES	-	-	-	-	-	13	-	-	-	-	-	-	-	-	1,415	15	15
TOTAL OR AVERAGE	62	1	197	11,461	11,659	3,842	372,000	6,000	52,125	405,876	777,876	265	30	66			

TABLE 20A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1969

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		
		PERMANENT	TOTAL					TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFDL	
			TOTAL	PARTIAL												TOTAL
EXPLODING VESSEL UNDER PRESSURE BURN/SCALD (NOT CHEM.)----- TOTAL OR AVERAGE-----	-	-	1	1	1	1	-	-	-	3	3	-	3	3		
FALL OF ROOF (UNDER- GROUND MINES ONLY): CUT OR PUNCTURE----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	-	-	1	1	2	2	-	-	-	17	5	-	17	2		
HANDLING MATERIAL: AMPUTATION/EMULSION----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DUST IN EYE----- FRACTURE----- FEMUR (NOT DISC)----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	-	-	1	1	2	3	-	-	-	60	51	60	17	7		
HAND TOOL: AMPUTATION/EMULSION----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- SCALD/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	-	-	1	1	2	3	-	-	-	300	139	300	300	30		
NONPOWDERED HULLAGE: STRAIN/SPRAIN----- TOTAL OR AVERAGE-----	-	-	1	1	2	2	-	-	-	10	10	-	10	10		

TABLE 20A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY
AT ANTHRACITE COAL 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			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL			
		TOTAL	PERMANENT	PARTIAL					TOTAL	TEMPO- RARY	TOTAL NFDL							
POWERED HAULAGE: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - 1 - - 1	- - - - - - - -	3 1 2 4 1 2 1 14	3 1 2 4 2 2 1 14	3 1 2 4 2 2 1 15	- - - - - - - -	- - - - 6,000 - - 6,000	- - - - - - - -	- - - - - - - -	- - - - - - - -	72 24 36 400 6,034 104 36 768 6,768	- - - - - - - -	24 24 49 100 34 52 36 55	24 24 49 100 34 52 36 55	24 24 49 100 34 52 36 451			
MACHINERY: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	4 1 4 2 5 1 1 18	4 1 4 2 5 1 1 18	4 1 4 2 5 1 1 18	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	85 2 55 162 149 3 1 457 457	- - - - - - - -	21 2 14 81 30 3 1 25	21 2 14 81 30 3 1 25	21 2 14 81 30 3 1 25		
SLIP OR FALL OF PERSON: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	6 1 2 9 29 3 1 5 56	6 1 2 9 29 3 1 5 56	6 1 2 9 29 3 1 5 56	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	127 17 17 20 670 1,454 581 34 181 3,084 3,084	- - - - - - - -	21 17 17 10 74 50 194 34 36 55	21 17 17 10 74 50 194 34 36 55	21 17 10 74 50 194 34 36 55	
STEPPING OR KNEELING ON OBJECT: FRACTURE----- STRAIN/SPRAIN----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	1 1 1 3 56	1 1 1 3 56	1 1 1 3 56	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	5 4 36 45 3,084	- - - - -	5 4 36 15 55	5 4 36 15 55	5 4 36 15 55
STRIKING OR BUMPING: MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - -	- - -	1 1 1	1 1 1	1 1 1	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	223 223 223	- - -	223 223 223	223 223 223	223 223 223

TABLE 20A - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DECREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY
AT ANTHRACITE COAL 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	
		PERMANENT	TOTAL					TEMPO- RARY	TOTAL NFDL						
			TOTAL	PARTIAL											
OTHER INJURIES: DUST IN EYE----- POISONING (SYSTEMIC)----- OTHER INJURY, NEC----- TOTAL OR AVERAGE-----	- - - -	- - 1 -	- - 1 1	- - 1 1	- - 1 1	- - - -	- - - -	- - 5 5	- - 5 5	- - 5 5	- - - -	- - 5 5	- - - -	- - - -	
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
APPLICATION/VENTILATION----- BURN/SCALD (HOT CHEN)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- DUST IN EYE----- FRACTURE----- HERNIA (NOT DISC)----- POISONING (SYSTEMIC)----- SCALD/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - - - - 1 - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -		

TABLE 208. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT BITUMINOUS COAL 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	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PARTIAL	TEMPO- RARY					PERMANENT	TOTAL	PARTIAL					
																TOTAL
ELECTRICAL: ASPHYXIATION/DROWNING----- BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- DUST IN EYE----- ELECTRIC SHOCK----- ELECT. BURN (CONTACT)----- POISONING (SYSTEMIC)----- RADIATION/ULTRA VIOLET----- STRAIN/SPRAIN----- OTHER INJURY - NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - 4 - - - - - - 4	- - - - - - - - - - - - - - -	7 7 5 2 1 28 22 73 2 1 1 142	- - - - - - - - - - - - - -	7 7 5 2 1 28 22 73 2 1 1 142	1 2 1 1 1 6 3 15 1 1 1 32	1 9 6 2 1 38 25 88 2 1 2 178	- - - - - 24,000 - - - - - - 24,000	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	115 12 12 40 - 1,034 318 1,275 89 36 2,933	- - - - - - - - - - - - - -	16 2 - 6 40 37 14 17 44 36 21	16 2 - 6 40 782 14 2 17 44 36 184		
ENTRAPMENT: STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - -	- - - -	- 1 1 1	- - - -	- 1 1 1	1 2 2 3	1 1 2 4	- - - -	- - - -	- - - -	- - - -	293 - 293	- - -	293 - 293	293 - 293	293 - 293
EXPLODING VESSEL UNDER PRESSURE: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DUST IN EYE----- FRACTURE----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - 1 - -	- - - - - - - - - - -	8 1 4 2 1 1 3 1 1 1 22	- - - - - - - - - - -	8 1 4 2 1 1 3 1 1 1 22	2 2 1 2 1 1 1 1 1 1 10	10 3 3 4 1 1 2 2 2 2 33	- - - - - - - - - - -	- - - - - - - - - - -	- - - - - - - - - - -	- - - - - - - - - - -	84 2 11 17 2 21 5 110 39 291	- - - - - - - - - - -	10 2 3 8 2 21 5 37 39 13	10 2 3 8 2 21 5 37 39 274	

TABLE 208. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT BITUMINOUS COAL 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	
		PERMANENT	TEMPO- RARY	TOTAL NFDL				PERMANENT		TOTAL NFDL					
								TOTAL	PARTIAL						
EXPLOSIVE AND BREAKING AGENT:															
ASPHALTATION/ROADWORK	-	-	1	-	1	1	-	-	-	10	10	-	10		
CONCUSSION (CEREBRAL)	-	-	1	-	1	1	-	-	-	1	1	-	1		
CONTUSION OR BRUISE	-	-	7	-	7	8	6,000	-	-	43	6,043	-	755		
CUT OR PUNCTURE	-	-	4	-	4	4	-	-	-	102	102	-	26		
DUST IN EYE	-	-	-	-	-	1	-	-	-	-	-	-	-		
FRACTURE	-	-	3	-	3	3	-	-	-	180	180	-	60		
SCRATCH/ABRASION	-	-	-	-	-	1	-	-	-	-	-	-	-		
STRAIN/SPRAIN	-	-	2	-	2	2	6,000	-	-	37	37	-	18		
MULTIPLE INJURIES	1	-	1	-	2	3	-	-	-	37	6,037	-	37		
UNCLASSIFIED (NO DATA)	-	-	2	-	2	3	-	-	-	17	17	-	8		
TOTAL OR AVERAGE	2	-	21	-	23	29	12,000	-	-	427	12,427	-	540		
FALLING, ROLLING, OR SLIDING MATERIAL:															
ASPHALTATION/ROADWORK	1	-	-	-	1	1	6,000	-	-	2	6,000	-	2		
CONCUSSION (CEREBRAL)	-	-	12	-	12	14	-	-	-	320	320	-	27		
CONTUSION OR BRUISE	-	-	1	-	1	6	-	-	-	2	2	-	2		
CUT OR PUNCTURE	-	-	5	-	5	7	-	-	-	317	317	-	63		
FRACTURE	-	-	6	-	6	7	-	-	-	152	152	-	25		
STRAIN/SPRAIN	-	-	1	-	1	2	-	-	-	52	52	-	52		
MULTIPLE INJURIES	-	-	2	-	2	2	-	-	-	55	55	-	28		
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	1	-	28	-	29	39	6,000	-	-	900	6,900	-	32		
FALL OF FACE, RIB, SIDE OR HIGHWALL:															
CONCUSSION OR BRUISE	2	-	53	-	55	66	12,000	-	-	631	12,631	-	230		
CUT OR PUNCTURE	-	-	9	-	9	24	-	-	-	188	188	-	19		
FRACTURE	-	-	32	-	32	36	-	-	-	1,879	1,879	-	59		
SCRATCH/ABRASION	-	-	3	-	3	3	-	-	-	15	15	-	5		
STRAIN/SPRAIN	-	-	19	-	19	23	-	-	-	525	525	-	28		
MULTIPLE INJURIES	1	-	25	-	26	28	6,000	-	-	861	6,861	-	264		
UNCLASSIFIED (NO DATA)	-	-	14	-	14	16	-	-	-	783	783	-	56		
TOTAL OR AVERAGE	3	-	155	-	158	196	18,000	-	-	4,862	22,862	-	31		

TABLE 208. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	NFIDL	FATAL	NFIDL		TOTAL FATAL AND NFIDL	PERMA-NENT PARTIAL	TEMPO-RARY	
		TOTAL	TEMPO-RARY	TOTAL NFIDL					PERMANENT	PARTIAL				
-	-	3	-	3	3	-	-	-	2,175	-	2,175	725	-	725
-	-	4	-	4	5	-	-	-	273	-	273	-	68	273
9	-	210	-	210	243	-	54,000	-	4,310	-	58,310	-	21	256
-	-	54	-	54	112	-	-	-	823	-	823	-	15	286
-	-	3	-	3	3	-	-	-	308	-	308	-	103	403
-	-	3	-	3	4	-	-	-	7	-	7	-	2	2
-	-	86	-	86	99	-	-	-	5,295	-	5,295	-	62	62
-	-	7	-	7	9	-	-	-	82	-	82	-	12	12
-	-	59	-	59	62	-	-	-	1,260	-	1,260	-	21	21
-	-	99	-	99	123	-	-	-	3,517	-	3,517	-	36	441
8	-	5	-	5	7	-	48,000	-	1,800	-	51,517	1,800	22	318
-	-	50	-	50	64	-	-	-	2,400	-	2,400	-	48	48
-	-	1	-	1	1	-	-	-	28	-	28	-	28	28
-	-	4	-	4	133	-	102,000	-	3,975	-	124,388	994	72	207
17	-	581	-	581	735	-	-	-	-	-	-	-	-	-
-	-	1	-	1	2	-	5,000	-	-	-	5,003	-	3	3,002
-	-	23	-	23	27	-	5,000	-	-	-	6,663	-	29	278
-	-	2	-	2	3	-	-	-	-	-	3	-	3	3
-	-	3	-	3	3	-	-	-	-	-	5	-	2	2
-	-	1	-	1	1	-	-	-	-	-	91	-	30	30
-	-	31	-	31	35	-	-	-	-	-	63	-	63	63
2	-	-	-	-	-	-	12,000	-	-	-	12,828	-	27	389
-	-	11	-	11	11	-	-	-	1,235	-	1,235	112	-	112
-	-	1	-	1	2	-	-	-	8	-	8	-	8	8
-	-	15	-	15	26	-	-	-	310	-	310	-	21	21
-	-	18	-	18	42	-	-	-	81	-	81	-	4	4
-	-	324	-	324	442	-	-	-	4,749	-	4,749	-	15	15
-	-	198	-	198	643	-	-	-	2,506	-	2,506	-	13	13
-	-	16	-	16	19	-	-	-	511	-	511	-	32	32
-	-	15	-	15	37	-	-	-	33	-	33	-	2	2
-	-	229	-	229	382	-	-	-	8,445	-	8,445	-	37	37
-	-	99	-	99	99	-	-	-	4,550	-	4,803	50	37	49
-	-	2	-	2	3	-	-	-	12	-	12	-	6	6
-	-	1	-	1	1	-	-	-	6	-	6	-	6	6
-	-	17	-	17	24	-	-	-	110	-	110	-	33	34
-	-	2,805	-	2,805	3,186	-	-	-	92,335	-	94,835	625	30	75
-	-	133	-	133	184	-	5,000	-	3,986	-	9,986	-	30	43
1	-	27	-	27	42	-	-	-	585	-	585	-	22	22
-	-	49	-	49	69	-	-	-	1,321	-	1,321	-	27	27
-	-	1	-	1	1	-	-	-	87	-	87	-	87	87
-	-	3,859	-	3,859	5,197	-	6,000	-	8,285	-	123,623	78	30	33
1	-	-	-	-	-	-	-	-	-	-	129,623	-	-	-
TOTAL OR AVERAGE														

FIRE:														
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-</													

TABLE 203. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	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	PARTIAL	TOTAL NFIL					
			TOTAL	PARTIAL											
HAND TOOL: AMPUTATION/ENGULFMENT----- BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONCUSSION (CEREBRAL)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DERMATITIS----- DISLOCATION----- DUST IN EYE----- FRACTURE----- HEARING IMPAIRMENT----- HERNIA (NOT DISC)----- SCRAPE/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- 														

TABLE 208. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	NFIDL	FATAL	PERMANENT		TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY
		TOTAL	PARTIAL	TOTAL									
									TOTAL	PARTIAL			
-	-	1	1	1	2	-	-	-	2	-	2		
SLIP OR FALL OF PERSON-----	-	-	6	6	6	3	-	-	-	78	-	13	
BURN/SCALD (NOT CHEM.)-----	-	-	332	332	332	6	-	-	-	8,113	-	24	
CONCUSSION (CEREBRAL)-----	-	-	44	44	44	387	-	-	-	515	-	12	
CONTUSION OR BRUISE-----	-	-	17	17	17	129	-	-	-	721	-	42	
CUT OR PUNCTURE-----	-	-	209	210	210	19	-	-	-	15,850	-	76	
DISLOCATION-----	1	-	11	11	11	262	-	-	5,000	550	50	47	
FRACTURE-----	-	11	1	1	1	11	-	-	-	74	74	50	
HERNIA (NOT DISC)-----	-	-	1	1	1	1	-	-	-	18	-	4	
RADIATION/ULTRA VIOLET-----	-	-	5	5	5	5	-	-	-	41,088	-	35	
SCALD/ABRASION-----	-	-	1,185	1,185	1,185	1,342	-	-	-	5,706	-	41	
STRAIN/SPRAIN-----	-	-	139	139	140	32	-	6,000	-	5,693	-	50	
MULTIPLE INJURIES-----	1	-	14	14	14	2	-	-	-	4,986	-	43	
OTHER INJURY, NEC-----	-	-	115	115	115	141	-	-	-	78,404	50	35	
UNCLASSIFIED (NO DATA)-----	-	-	2,068	2,080	2,081	2,494	413	6,000	6,000	550	84,404	50	35
TOTAL OR AVERAGE-----	1	1	11	11	11	238	74	-	-	-	4,472	-	27
STEPPING OR KNEELING ON OBJECT-----	-	-	15	15	15	19	-	-	-	319	-	21	
CONTUSION OR BRUISE-----	-	-	12	12	12	31	-	-	-	102	-	8	
CUT OR PUNCTURE-----	-	-	15	15	15	18	-	-	-	520	-	35	
FRACTURE-----	-	-	187	187	187	201	-	-	-	4,378	-	23	
STRAIN/SPRAIN-----	-	-	2	2	2	3	-	-	-	32	-	16	
MULTIPLE INJURIES-----	-	-	5	5	5	1	-	-	-	170	-	34	
OTHER INJURY, NEC-----	-	-	5	5	5	8	-	-	-	170	-	23	
UNCLASSIFIED (NO DATA)-----	-	-	236	236	236	281	45	-	-	5,521	-	23	
TOTAL OR AVERAGE-----	-	-	236	236	236	281	45	-	-	5,521	-	23	
STRIKING OR BUMPING ON OBJECT-----	-	-	22	22	22	27	-	-	-	519	-	24	
CONTUSION OR BRUISE-----	-	-	9	9	9	41	-	-	-	103	-	11	
CUT OR PUNCTURE-----	-	-	5	5	5	13	-	-	-	86	-	17	
FRACTURE-----	-	-	3	3	3	3	-	-	-	4	-	1	
STRAIN/SPRAIN-----	-	-	105	105	105	127	-	-	-	3,340	-	32	
MULTIPLE INJURIES-----	-	-	6	6	6	8	-	-	-	58	-	10	
OTHER INJURY, NEC-----	-	-	3	3	3	3	-	-	-	26	-	9	
UNCLASSIFIED (NO DATA)-----	-	-	11	11	11	16	5	-	-	336	-	31	
TOTAL OR AVERAGE-----	-	-	164	164	164	238	74	-	-	4,472	-	27	

TABLE 208. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

AT BLUENTHUS LOCAL OPERATIONS IN THE UNITED STATES, 1950 (CONTINUED)												
ACCIDENT CLASSIFICATION AND NATURE 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	PARTIAL	TEMPORARY				TOTAL NFDL				
									PERMANENT			
							TOTAL	PARTIAL				
OTHER INJURIES:												
ASPHYXIATION/CHOKING	2	-	-	-	2	2	12,000	-	-	12,000	-	3
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	24
CONCUSSION OR BRUISE	-	-	-	-	-	-	-	-	-	-	-	13
DISLOCATION	-	-	-	-	-	-	-	-	-	-	-	2
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	12
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	1
SCALD/ABRASION	-	-	-	-	-	-	-	-	-	-	-	59
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	25
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	25
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	13
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	34
TOTAL OR AVERAGE	2	1	1	121	124	57	12,000	-	900	17,011	900	34
OTHER INJURIES:												
ASPHYXIATION/CHOKING	15	65	-	-	65	65	90,000	-	-	22,965	353	6
CUT OR PUNCTURE	1	-	-	-	-	-	6,000	-	-	8,150	-	19
CONCUSSION OR BRUISE	-	-	-	-	-	-	-	-	-	2,150	-	5
DISLOCATION	-	-	-	-	-	-	-	-	-	209	-	28
FRACTURE	-	-	-	-	-	-	-	-	-	682	-	19
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	34,679	-	14
SCALD/ABRASION	-	-	-	-	-	-	-	-	-	12,623	-	2
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	2,359	-	45
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	1,034	-	2
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	318	-	37
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	62,358	-	46
TOTAL OR AVERAGE	15	65	1	1,120	1,124	401	6,000	6,000	4,800	51,558	2,400	61
OTHER INJURIES:												
ASPHYXIATION/CHOKING	1	110	-	-	111	118	-	-	-	5,753	50	32
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	1,415	-	3
CONCUSSION OR BRUISE	-	-	-	-	-	-	-	-	-	1,415	-	15
DISLOCATION	-	-	-	-	-	-	-	-	-	862	-	10
FRACTURE	-	-	-	-	-	-	-	-	-	185,519	690	33
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	41,647	2,055	200
SCALD/ABRASION	-	-	-	-	-	-	-	-	-	4,375	1,800	53
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	18,520	-	37
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	115	-	58
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	30
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	30
TOTAL OR AVERAGE	61	190	1	11,291	11,482	3,782	365,000	6,000	51,515	398,546	271	66

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

WORK LOCATION, TYPE OF COAL 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:								
ALL COAL:								
ILLINOIS-----	-	25	1	-	-	3	6	3
KENTUCKY-----	-	3	-	-	1	8	4	40
PENNSYLVANIA-----	1	-	-	-	-	14	-	23
UTAH-----	-	26	3	-	1	2	-	2
VIRGINIA-----	-	333	-	-	-	15	2	46
WEST VIRGINIA-----	-	-	-	-	-	103	-	438
TOTAL-----	1	387	4	-	2	146	12	552
SURFACE AT UC:								
SURFACE AT UC:								
ALL COAL:								
KENTUCKY-----	-	-	-	-	-	1	-	1
UTAH-----	-	11	-	-	-	7	-	18
WEST VIRGINIA-----	-	11	-	-	-	9	-	20
TOTAL-----	-	-	-	-	-	-	-	-
TOTAL UNDERGROUND:								
TOTAL UNDERGROUND:								
ALL COAL:								
ILLINOIS-----	-	25	1	-	-	3	6	3
KENTUCKY-----	-	3	-	-	1	9	4	41
PENNSYLVANIA-----	1	-	-	-	-	14	-	23
UTAH-----	-	26	3	-	1	3	-	3
VIRGINIA-----	-	344	-	-	1	16	2	46
WEST VIRGINIA-----	-	398	4	-	-	110	-	456
TOTAL-----	1	-	-	-	2	155	12	572
SURFACE MINES:								
SURFACE MINES:								
STRIP:								
ALL COAL:								
ALABAMA-----	-	-	-	-	1	-	-	1
ILLINOIS-----	-	1	-	-	2	-	-	2
KENTUCKY-----	-	-	-	-	-	2	-	2
MISSOURI-----	-	-	-	-	-	-	-	1
MONTANA-----	1	-	-	-	-	-	-	1
NEW MEXICO-----	1	-	-	-	1	-	-	1
NORTH DAKOTA-----	-	-	-	-	-	3	-	4
OHIO-----	1	5	-	-	1	2	-	8
PENNSYLVANIA-----	-	21	-	-	-	6	-	8
WASHINGTON-----	-	-	-	-	-	11	-	32
WEST VIRGINIA-----	-	-	-	-	-	-	1	1
WYOMING-----	-	-	-	-	-	-	-	-
TOTAL-----	3	27	-	-	5	24	1	60

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

WORK LOCATION, TYPE OF COAL 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:								
ALL COAL:								
ALABAMA	-	-	-	-	1	-	-	1
ILLINOIS	-	-	-	-	2	-	-	2
KENTUCKY	-	1	-	-	-	2	-	2
MISSOURI	-	-	-	-	-	-	-	1
MONTANA	1	-	-	-	-	-	-	1
NEW MEXICO	1	-	-	-	1	-	-	1
NORTH DAKOTA	-	-	-	-	-	3	-	4
OHIO	1	5	-	-	1	2	-	8
PENNSYLVANIA	-	-	-	-	-	6	-	6
WASHINGTON	-	21	-	-	-	11	-	32
WEST VIRGINIA	-	-	-	-	-	-	1	1
WYOMING	-	-	-	-	5	24	1	60
TOTAL	3	27	-	-	-	-	-	-
TOTAL MINING:								
ALL COAL:								
ALABAMA	-	-	-	-	1	-	-	1
ILLINOIS	-	26	1	-	2	3	6	5
KENTUCKY	-	-	-	-	-	2	-	42
MISSOURI	-	-	-	-	-	-	-	2
MONTANA	1	-	-	-	-	-	-	1
NEW MEXICO	1	-	-	-	1	-	-	1
NORTH DAKOTA	-	-	-	-	-	-	-	1
OHIO	1	8	-	-	2	3	4	31
PENNSYLVANIA	1	-	-	-	1	16	-	3
UTAH	-	26	3	-	1	3	-	46
VIRGINIA	-	-	-	-	-	6	-	6
WASHINGTON	-	365	-	-	-	121	2	488
WEST VIRGINIA	-	-	-	-	-	-	1	1
WYOMING	-	-	4	-	7	179	13	532
TOTAL	4	425	4	-	-	-	-	-
INDEPENDENT SHOPS:								
ALL COAL:								
VIRGINIA	-	4	-	-	-	2	-	2
WEST VIRGINIA	-	4	-	-	-	2	-	6
TOTAL	-	4	-	-	-	4	-	8
PROCESSING PLANTS:								
ALL COAL:								
KENTUCKY	-	2	-	-	-	1	2	5
NEW MEXICO	1	2	-	-	-	1	-	3
PENNSYLVANIA	-	-	-	-	-	6	-	6
VIRGINIA	-	61	-	-	-	40	1	102
WEST VIRGINIA	1	65	-	-	-	48	3	117
TOTAL	1	65	-	-	-	-	-	-

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

WORK LOCATION, TYPE OF COAL 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 MINES AND PLANTS:								
ALL COAL:								
ALABAMA	-	-	-	-	1	3	-	1
ILLINOIS	-	28	1	-	2	10	8	5
KENTUCKY	-	-	-	-	-	2	-	47
MISSOURI	-	-	-	-	-	-	-	2
MONTANA	1	-	-	-	-	-	-	1
NEW MEXICO	2	-	-	-	-	-	-	2
NORTH DAKOTA	-	-	-	-	1	3	-	1
OHIO	1	10	-	-	2	17	4	4
PENNSYLVANIA	1	-	-	-	1	3	-	34
UTAH	-	26	3	-	1	24	-	3
VIRGINIA	-	430	-	-	-	163	-	54
WASHINGTON	-	-	-	-	-	-	3	6
WEST VIRGINIA	-	-	-	-	-	-	1	596
WYOMING	-	-	-	-	-	-	-	1
TOTAL	5	494	4	-	7	231	16	757
OFFICE:								
ALL COAL:								
WEST VIRGINIA	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
GRAND TOTAL:								
ALL COAL:								
ALABAMA	-	-	-	-	1	3	-	1
ILLINOIS	-	28	1	-	2	10	8	5
KENTUCKY	-	-	-	-	-	2	-	47
MISSOURI	-	-	-	-	-	-	-	2
MONTANA	1	-	-	-	-	-	-	1
NEW MEXICO	2	-	-	-	-	-	-	2
NORTH DAKOTA	-	-	-	-	1	3	-	1
OHIO	1	10	-	-	2	17	4	4
PENNSYLVANIA	1	-	-	-	1	3	-	34
UTAH	-	26	3	-	1	24	-	3
VIRGINIA	-	430	-	-	-	164	-	54
WASHINGTON	-	-	-	-	-	-	3	6
WEST VIRGINIA	-	-	-	-	-	-	1	597
WYOMING	-	-	-	-	-	-	-	1
TOTAL	5	494	4	-	7	232	16	758

TABLE 21A. - OCCURRENCES REPORTED TO NIOSH AS OCCUPATIONAL ILLNESSES AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION, TYPE OF COAL 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
UNDERGROUND MINES:								
UNDERGROUND:	-	-	-	-	-	-	2	2
ANTHRACITE:	-	-	-	-	-	-	2	2
PENNSYLVANIA	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-
TOTAL UNDERGROUND:	-	-	-	-	-	-	2	2
ANTHRACITE:	-	-	-	-	-	-	2	2
PENNSYLVANIA	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-
SURFACE MINES:								
STRIP:	-	5	-	-	-	-	-	5
ANTHRACITE:	-	5	-	-	-	-	-	5
PENNSYLVANIA	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-
TOTAL SURFACE:	-	5	-	-	-	-	-	5
ANTHRACITE:	-	5	-	-	-	-	-	5
PENNSYLVANIA	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-
TOTAL MINING:	-	5	-	-	-	-	2	7
ANTHRACITE:	-	5	-	-	-	-	2	7
PENNSYLVANIA	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-
PROCESSING PLANTS:								
ANTHRACITE:	-	2	-	-	-	1	-	3
PENNSYLVANIA	-	2	-	-	-	1	-	3
TOTAL	-	-	-	-	-	-	-	-
TOTAL MINES AND PLANTS:	-	7	-	-	-	1	2	10
ANTHRACITE:	-	7	-	-	-	1	2	10
PENNSYLVANIA	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-
GRAND TOTAL:	-	7	-	-	-	1	2	10
ANTHRACITE:	-	7	-	-	-	1	2	10
PENNSYLVANIA	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-

TABLE 21B. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1985

WORK LOCATION, TYPE OF COAL 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:								
BITUMINOUS:								
ILLINOIS	-	25	1	-	-	3	6	3
KENTUCKY	1	3	-	-	1	8	2	40
PENNSYLVANIA	-	26	3	-	1	14	-	21
UTAH	-	333	-	-	1	2	-	2
VIRGINIA	-	-	-	-	-	16	2	46
WEST VIRGINIA	-	-	-	-	-	103	-	438
TOTAL	1	387	4	-	2	146	10	550
SURFACE AT UC:								
BITUMINOUS:								
KENTUCKY	-	-	-	-	-	1	-	1
UTAH	-	11	-	-	-	7	-	18
WEST VIRGINIA	-	11	-	-	-	9	-	20
TOTAL	-	-	-	-	-	-	-	-
TOTAL UNDERGROUND:								
UNDERGROUND:								
BITUMINOUS:								
ILLINOIS	-	25	1	-	-	3	6	3
KENTUCKY	1	3	-	-	1	9	2	41
PENNSYLVANIA	-	26	3	-	1	14	-	21
UTAH	-	344	-	-	-	3	-	3
VIRGINIA	-	-	3	-	1	16	-	46
WEST VIRGINIA	-	386	4	-	-	110	2	455
TOTAL	1	-	-	-	2	155	10	570
SURFACE MINES:								
SURFACE:								
BITUMINOUS:								
ALABAMA	-	-	-	-	1	-	-	1
ILLINOIS	-	1	-	-	2	-	-	2
KENTUCKY	-	-	-	-	-	2	-	2
MISSOURI	1	-	-	-	-	-	-	1
MONTANA	1	-	-	-	-	-	-	1
NEB. MEXICO	1	-	-	-	1	-	-	1
NORTH DAKOTA	-	-	-	-	-	3	-	4
OHIO	1	-	-	-	1	2	-	3
PENNSYLVANIA	-	-	-	-	-	6	-	6
WASHINGTON	-	21	-	-	-	11	-	32
WEST VIRGINIA	-	-	-	-	-	-	1	1
WYOMING	-	-	-	-	-	-	-	-
TOTAL	3	22	-	-	5	24	1	55

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

WORK LOCATION, TYPE OF COAL 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:								
BITUMINOUS:								
ALABAMA	-	-	-	-	1	-	-	1
ILLINOIS	-	1	-	-	2	-	-	2
KENTUCKY	-	-	-	-	-	2	-	2
MISSOURI	-	-	-	-	-	-	-	1
MONTANA	1	-	-	-	-	-	-	1
NEW MEXICO	1	-	-	-	1	-	-	1
NORTH DAKOTA	-	-	-	-	-	3	-	4
OHIO	-	-	-	-	1	2	-	3
PENNSYLVANIA	-	-	-	-	-	6	-	6
WASHINGTON	-	21	-	-	-	11	-	32
WEST VIRGINIA	-	-	-	-	-	-	1	1
WYOMING	-	-	-	-	-	-	-	-
TOTAL	3	22	-	-	5	24	1	55
TOTAL MINING:								
BITUMINOUS:								
ALABAMA	-	-	-	-	1	-	-	1
ILLINOIS	-	26	1	-	2	3	6	42
KENTUCKY	-	-	-	-	-	2	-	2
MISSOURI	1	-	-	-	-	-	-	1
MONTANA	1	-	-	-	1	-	-	1
NEW MEXICO	-	-	-	-	-	3	-	4
NORTH DAKOTA	-	-	-	-	2	16	-	24
OHIO	1	3	-	-	-	3	2	4
PENNSYLVANIA	1	-	-	-	-	16	-	3
UTAH	-	26	3	-	1	16	-	46
VIRGINIA	-	-	-	-	-	6	-	6
WASHINGTON	-	365	-	-	-	121	2	486
WEST VIRGINIA	-	-	-	-	-	-	1	1
WYOMING	-	-	-	-	7	179	11	625
TOTAL	4	420	4	-	7	179	11	625
INDEPENDENT SHOPS:								
BITUMINOUS:								
VIRGINIA	-	4	-	-	-	2	-	2
WEST VIRGINIA	-	4	-	-	-	2	-	6
TOTAL	-	4	-	-	-	4	-	8
PROCESSING PLANTS:								
BITUMINOUS:								
KENTUCKY	-	2	-	-	-	1	2	5
NEW MEXICO	1	-	-	-	-	6	-	1
VIRGINIA	-	61	-	-	-	40	1	102
WEST VIRGINIA	-	63	-	-	-	47	3	114
TOTAL	1	63	-	-	-	47	3	114

TABLE 21B. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION, TYPE OF COAL 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 MINES AND PLANTS:								
BITUMINOUS:								
ALABAMA-----						1		1
ILLINOIS-----		28			2	3		5
KENTUCKY-----			1			10	8	47
MISSOURI-----						2		2
MONTANA-----	1							1
NEH. MEXICO-----	2							2
NORTH DAKOTA-----					1	3		4
OHIO-----	1	3			2	16	2	24
PENNSYLVANIA-----	1					3		3
UTAH-----		26	3		1	24		54
VIRGINIA-----		430				6		6
WASHINGTON-----						163	3	596
WEST VIRGINIA-----							1	1
WYOMING-----								
TOTAL-----	5	487	4		7	230	14	747
OFFICE:								
BITUMINOUS:								
WEST VIRGINIA-----						1		1
TOTAL-----						1		1
GRAND TOTAL:								
BITUMINOUS:								
ALABAMA-----								1
ILLINOIS-----		28				3		5
KENTUCKY-----			1			10	8	47
MISSOURI-----						2		2
MONTANA-----	1							1
NEH. MEXICO-----	2							2
NORTH DAKOTA-----					1	3		4
OHIO-----	1	3			2	16	2	24
PENNSYLVANIA-----	1					3		3
UTAH-----		26	3		1	24		54
VIRGINIA-----		430				6		6
WASHINGTON-----						164	3	597
WEST VIRGINIA-----							1	1
WYOMING-----								
TOTAL-----	5	487	4		7	231	14	748

TABLE 22 - 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	NFDL	NFDL 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	128,914,189	386,951,135
SURFACE:	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:	14	.03	1,596	3.59	1,099	2.27	2,619	5.89	43,905	88,883,078	573,883,448
STRIP MINES:	-	-	7	5.76	15	4.32	35	10.08	699	694,616	3,704,348
AUGER MINES:	-	-	20	3.13	5	2.24	12	5.37	323	447,338	945,467
OTHER SURFACE MINES:	-	-	7	3.61	5	2.29	12	5.92	44,527	90,030,032	578,588,263
TOTAL, SURFACE MINES:	14	.03	1,623	9.15	1,029	2.90	2,666	12.10	120,411	232,232,030	565,489,358
TOTAL, PRODUCTION MINING:	57	.05	10,622	3.70	3,370	2.90	14,049	7.85	14,191	29,408,142	
PREPARATION PLANTS:	4	.03	786	5.31	364	3.54	1,154	8.86	1,006	1,806,627	
INDEPENDENT SHOPS/YARDS:	-	-	48	5.34	32	2.54	80	7.91	15,197	31,214,769	
TOTAL, OTHER OPERATIONS:	4	.03	834	5.34	396	2.54	1,234	11.60	135,608	263,446,799	965,489,398
TOTAL, BITUMINOUS MINING:	61	.05	11,456	8.70	3,766	2.86	15,283	12.64	330	442,919	486,599
PENNSYLVANIA ANTHRACITE COAL:											
UNDERGROUND MINES:	-	-	22	9.93	6	2.71	28	4.29	108	139,985	486,599
SURFACE:	1	1.43	1	7.89	7	2.40	31	10.64	438	582,904	
TOTAL, UNDERGROUND MINES:	1	.34	23	8.87	13	4.09	76	12.97	724	1,172,247	1,835,253
SURFACE MINES:	-	-	52	6.40	2	1.50	10	8.00	154	250,117	738,088
STRIP MINES:	-	-	8	-	-	-	-	-	7	-	2,150
CULM BANK:	-	-	-	-	-	-	-	-	-	-	-
DREDGE:	-	-	-	-	-	-	-	-	-	-	-
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	8.26	33	3.28	117	11.64	1,323	2,010,883	3,062,090
PREPARATION PLANTS:	-	-	95	14.42	27	4.10	122	18.52	762	1,317,535	
INDEPENDENT SHOPS/YARDS:	-	-	-	-	-	-	-	-	37	69,468	
TOTAL, OTHER OPERATIONS:	-	-	95	13.70	27	3.89	122	17.59	799	1,387,003	
TOTAL, ANTHRACITE MINING:	1	.06	178	10.48	60	3.53	239	14.07	2,122	3,397,886	3,062,090
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:	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:	14	.03	1,648	3.66	1,033	2.29	2,695	5.98	44,629	90,060,325	575,723,701
STRIP MINES:	-	-	20	5.76	15	4.32	35	10.08	699	694,616	3,704,348
AUGER MINES:	-	-	15	5.44	6	2.17	21	7.61	376	551,763	1,409,437
CULM BANK:	-	-	-	-	-	-	-	-	108	151,307	276,268
DREDGE:	-	-	-	-	-	-	-	-	151,307	151,307	
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	3,826	2.87	15,522	11.63	137,730	266,844,685	968,551,488
OFFICERWORKERS:											
BITUMINOUS:	-	-	25	36	16	.23	41	.59	7,562	13,850,127	
ANTHRACITE:	-	-	-	-	-	-	-	-	115	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

TABLE 23 - 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	MFDL	MFDL INCIDENCE RATE	NOL	NOI 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	29,972	58,281,232
SUBTOTAL, SURFACE MINES-----	20	.04	2,497	4.78	1,817	3.48	4,334	8.29	53,568	104,531,780
SAND AND GRAVEL-----	3	.01	1,491	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	5.53	723	4.05	1,529	8.56	17,238	35,732,634
STONE-----	1	.01	2,060	4.69	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-----	-	-	-	-	1	22.02	1	22.02	5	9,083
STONE-----	-	-	6	2.48	11	4.55	17	7.04	229	483,244
TOTAL, SHOPS AND YARDS-----	-	-	21	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	4.29	6,727	9.81	67,818	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	60,288,279
TOTAL, MINES/MILLS/SHOPS-----	37	.02	8,849	5.08	7,070	4.06	15,956	9.16	179,422	348,381,168
OFFICERWORKERS:										
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, OFFICERWORKERS-----	-	-	37	14	40	16	77	30	28,909	51,512,610
SUMMARY TOTAL (INCLUDES OFFICERWORKERS):										
METAL-----	11	.02	2,340	4.47	2,046	3.91	4,397	8.40	53,275	104,633,464
NONMETAL-----	4	.01	1,270	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	158,228,008	329,653,184
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

CONTRACTOR DATA

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 six different tables, numbers 5, 7, 9, 12, 13, and 14. However, only one of these, table 9, provides a further division by nature of injury as well. The occupation of the injured is found in table 13 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.

REFERENCE GUIDE TO COAL STATISTICAL TABLES (CONTRACTOR 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	Coal production (short tons)	Accident classification
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	2	
	3			3	3						
	4	4	4			4	4	4	4	4	
	5			5	5						
	7			7	7						
	8	8	8								
	9			9	9						
	10	10	10								
	11			11	11						
	13										13
				14							14
	17			17	17						
	18			18	18						
	22	22				22	22			22	21
	23	23				23	23				
Employment size group	4	4	4			4	4	4	4	4	
State	5			5	5						
	7			7	7						
	13										13
Part of body injured				14							14
	8	8	8								21
	9			9	9						
Nature of injury	12			12	12						
	19			19	19						
	10	10	10								
Occupation at time of injury	11			11	11						
	12			12	12						
	20			20	20						
Accident classification	17			17	17						
	18			18	18						
	19			19	19						
Type of coal	22	22				22	22			22	
Mineral industry	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.

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

	EXCLUDING OFFICERWORKERS					INCLUDING OFFICERWORKERS				
	1985	1986	1987	1988	1989	1985	1986	1987	1988	1989
NUMBER OF INJURIES:										
FATAL-----	4	3	5	9	6	4	3	5	9	6
NFDL-----	298	253	272	248	338	298	254	275	250	341
TOTAL LWD INJURIES-----	302	256	277	257	344	302	257	280	259	347
NDL-----	66	64	138	118	173	66	65	139	119	176
TOTAL INJURIES-----	368	320	415	375	517	368	322	419	378	523
INCIDENCE RATES:										
FATAL-----	.05	.04	.07	.12	.06	.05	.04	.07	.11	.06
NFDL-----	3.97	3.62	3.83	3.24	3.53	3.77	3.44	3.66	3.00	3.22
ALL LWD INJURIES-----	4.02	3.66	3.90	3.35	3.59	3.82	3.48	3.73	3.11	3.27
NDL-----	.88	.91	1.95	1.54	1.80	.83	.88	1.85	1.43	1.66
ALL INJURIES-----	4.90	4.57	5.85	4.89	5.39	4.65	4.36	5.57	4.54	4.93
SEVERITY MEASURES:										
FATAL-----	319	257	423	705	376	303	244	399	648	340
NFDL-----	227	244	143	205	153	216	231	136	189	139
ALL LWD INJURIES-----	547	501	566	910	528	519	475	535	838	478
AVERAGE SEVERITY:										
PERMANENT PARTIAL-----	794	332	489	870	1,058	794	332	489	870	1,058
TEMPORARY NFDL-----	40	33	25	30	25	40	33	25	29	25
ALL LWD INJURIES-----	136	137	145	271	147	136	136	144	269	146
AVERAGE NUMBER OF EMPLOYEES-----	12,937	12,269	12,915	13,306	17,598	13,676	12,931	13,786	15,133	19,522
EMPLOYEE-HOURS WORKED-----	15,030,591	13,997,187	14,188,883	15,329,994	19,171,582	15,821,571	14,777,274	15,032,184	16,657,770	21,204,119
PRODUCTION (SHORT TONS)-----	5,951,090	8,790,604	5,954,957	4,923,294	3,199,366	5,951,090	8,790,604	5,954,957	4,923,294	3,199,366
NUMBER OF CONTRACTORS-----	1,140	1,266	1,427	1,531	1,802	1,299	1,413	1,586	1,737	2,036

NOTE: THE NUMBER OF CONTRACTORS SHOWN IN THIS TABLE FOR 1985 HAS BEEN REVISED FROM THE FIGURE PROVIDED IN THE 1985 PUBLICATION.

TABLE 1 DEPICTS THE TOTAL NUMBER OF INDEPENDENT COAL CONTRACTORS REPORTING TO MSHA. SOME CONTRACTORS WORK BOTH IN THE UNDERGROUND AND ON THE SURFACE AT MULTIPLE WORK LOCATIONS. THESE CONTRACTORS MAY APPEAR MULTIPLE TIMES IN TABLES 2 AND 4 IN THE COLUMN "NUMBER OF WORK LOCATIONS". SUBTOTALS AND TOTALS INVOLVING THESE WORK LOCATIONS IN THESE TABLES MAY DIFFER.

TABLE 2. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY #			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF WORK LOCATIONS	PRODUCTION (SHORT TONS)
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT	TEMPORARY	TOTAL NFDL	TOTAL													
														PARTIAL				
UNDERGROUND MINES:																		
UNDERGROUND	-	-	60	34	94	60	78	-	9.38	2.82	12.20	-	345	345	1,278	1,278,715	161	258,553
SURFACE AT UNDERGROUND	1	1	35	35	95	35	60	.07	2.36	1.58	3.94	394	292	3,001	3,045,627	505	-	
TOTAL OR AVERAGE	1	1	94	95	95	95	138	.05	4.39	4.44	6.38	277	308	4,279	4,324,342	666	258,553	
SURFACE MINES:																		
STRIP	-	2	125	3	127	130	214	.06	2.41	2.47	4.06	342	43	8,889	10,535,609	1,196	2,030,592	
ADDER	-	-	3	3	3	3	5	-	3.31	3.31	5.52	-	57	201	181,248	57	490,372	
CULM BANK	-	-	1	1	1	1	1	-	1.62	1.62	1.62	-	6	156	123,421	31	419,939	
DREDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	79	48,195	13	-	
TOTAL OR AVERAGE	3	2	129	131	134	134	220	.05	2.41	2.46	4.04	331	43	9,325	10,888,473	1,297	2,940,813	
SURFACE MINES:																		
TOTAL OR AVERAGE	4	3	223	226	230	230	358	.05	2.97	3.02	4.71	316	118	13,604	15,212,815	1,963	3,199,366	
MINING	-	-	1	1	1	1	3	-	45.92	45.92	99.99	-	2,755	23	4,355	5	-	-
INDEPENDENT SHOPS	-	-	108	111	113	113	42	.10	5.61	5.72	7.84	607	283	3,972	3,954,412	425	-	-
PROCESSING PLANTS	2	3	332	338	344	344	517	.06	3.53	3.59	5.39	376	153	17,589	19,171,582	2,363	3,199,366	
TOTAL OR AVERAGE ALL MINES AND PLANTS	6	6	332	338	344	344	517	.06	3.53	3.59	5.39	376	153	17,589	19,171,582	2,363	3,199,366	-
OFFICE	-	-	3	3	3	3	6	-	.30	.30	.59	-	6	1,323	2,032,537	234	-	-
GRAND TOTAL OR AVERAGE	6	6	335	341	347	347	523	.06	3.22	3.27	4.93	340	139	19,522	21,204,119	2,627	3,199,366	-

NOTE: TABLE 1 DEPICTS THE TOTAL NUMBER OF INDEPENDENT COAL CONTRACTORS REPORTING TO MSHA. SOME CONTRACTORS WORK BOTH IN THE UNDERGROUND AND ON THE SURFACE AT MULTIPLE WORK LOCATIONS. THESE CONTRACTORS MAY APPEAR MULTIPLE TIMES IN TABLES 2 AND 4 IN THE COLUMN NUMBER OF WORK LOCATIONS. SUBTOTALS AND TOTALS INVOLVING THESE WORK LOCATIONS IN THESE TWO TABLES MAY DIFFER.

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

WORK LOCATION	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												
UNDERGROUND MINES:															
UNDERGROUND-----	-	-	-	-	60	78	6,000	-	-	-	2,206	-	37	37	37
SURFACE AT UNDERGROUND-----	1	-	1	-	36	60	6,000	-	3,000	-	4,449	3,000	43	43	250
TOTAL OR AVERAGE-----	1	-	1	-	96	138	6,000	-	3,000	-	6,655	3,000	39	39	132
SURFACE MINES:															
STRIP-----	3	-	2	-	130	214	18,000	-	160	-	2,270	80	17	17	156
AUGER-----	-	-	-	-	3	5	-	-	-	-	52	-	17	17	17
CULM BANK-----	-	-	-	-	1	1	-	-	-	-	4	-	4	4	4
DREDGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	3	-	2	-	131	220	18,000	-	160	-	2,326	80	17	17	152
SURFACE MINES-----															
TOTAL OR AVERAGE-----	4	-	3	-	230	358	24,000	-	3,160	-	8,981	1,053	26	26	143
MINING-----	-	-	-	-	1	4	-	-	-	-	60	-	60	60	60
INDEPENDENT SHOPS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROCESSING PLANTS-----	2	-	3	-	113	155	12,000	-	3,185	-	2,414	1,062	22	22	156
TOTAL OR AVERAGE, ALL MINES AND PLANTS-----	6	-	6	-	344	517	36,000	-	6,345	-	14,640	1,058	25	25	147
OFFICE-----	-	-	-	-	3	6	-	-	-	-	60	-	20	20	20
GRAND TOTAL OR AVERAGE-----	6	-	6	-	347	523	36,000	-	6,345	-	14,700	1,058	25	25	146

TABLE 4. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	NUMBER OF WORK LOCATIONS	PRODUCTION (SHORT TONS)								
	FATAL	NFDL				TOTAL INJURIES	NFDL	TOTAL FATAL AND NFDL	TOTAL INJURIES	NFDL	FATAL	NFDL	ALL FATAL AND NFDL											
		PERMANENT	TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL												FATAL	NFDL	ALL FATAL AND NFDL					
																				TOTAL	PARTIAL	TOTAL	FATAL	NFDL
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																								
1-4	1	-	1	7	8	15	6	9	15	6	38	3.05	3.43	2.29	5.72	1.265	3.555	861	524,033	411	35,736			
5-9	-	-	-	7	7	10	3	7	10	3	-	336	3.36	1.44	4.81	131	131	568	416,167	86	48,126			
10-19	-	-	-	13	13	16	3	13	16	3	-	527	5.27	1.22	6.49	155	155	647	492,950	48	173,441			
20-34	-	-	-	17	17	33	16	17	33	16	-	341	3.41	3.21	6.62	60	60	937	996,435	35	-			
35-49	-	-	-	12	12	45	8	12	45	8	-	476	4.76	4.76	9.53	45	45	298	503,672	7	-			
50-99	-	-	-	37	37	7	6	37	7	6	-	795	7.95	1.72	9.67	482	482	677	930,922	10	250			
100-149	-	-	-	1	1	-	-	1	-	-	-	49	4.9	2.92	3.41	15	15	120	410,688	1	-			
150-249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	162	49,435	1	-			
TOTAL OR AVERAGE	1	-	1	94	95	138	42	96	138	42	05	439	4.44	1.94	6.38	308	585	4,279	4,324,342	589	258,553			
SURFACE MINES:																								
STRIP:																								
1-4	3	-	-	12	12	23	8	15	23	8	54	2.17	2.72	1.45	4.16	26	3,285	1,457	1,104,541	762	991,834			
5-9	-	-	-	9	9	12	3	9	12	3	-	155	1.55	1.31	2.06	32	32	1,279	1,163,510	202	38,288			
10-19	-	-	-	26	26	26	13	26	26	13	-	262	2.62	2.23	5.89	77	77	1,784	1,966,872	136	670,930			
20-34	-	-	-	34	34	58	22	34	58	22	-	365	3.65	2.74	5.11	53	53	1,567	1,970,511	58	146,715			
35-49	-	-	-	27	27	6	3	27	6	3	-	166	1.66	1.45	2.12	19	19	756	1,084,511	19	99,163			
50-99	-	-	-	11	11	14	3	11	14	3	-	158	1.58	1.58	2.12	19	19	734	1,323,763	11	83,572			
100-149	-	-	-	28	28	60	31	28	60	31	-	723	7.23	7.80	15.09	120	120	505	795,075	4	-			
150-249	-	-	-	2	2	2	-	2	2	-	-	58	5.8	-	5.8	13	13	264	686,501	3	-			
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	411,320	411,320	1	-			
TOTAL OR AVERAGE	3	-	2	125	127	214	84	130	214	84	06	241	2.47	1.59	4.06	43	385	8,888	10,535,609	1,196	2,030,502			
AUGER:																								
1-4	-	-	-	2	2	2	-	2	2	-	-	594	5.94	-	5.94	139	139	97	67,384	44	254,342			
5-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	58,078	10	146,444			
10-19	-	-	-	1	1	1	-	1	1	-	-	359	3.59	-	3.59	18	18	40	55,786	3	89,556			
TOTAL OR AVERAGE	-	-	-	3	3	5	2	3	5	2	-	331	3.31	2.21	5.52	57	57	201	181,248	57	490,372			
CULM BANK:																								
1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	7,198	15	20,925			
5-9	-	-	-	1	1	1	-	1	1	-	-	486	4.86	-	4.86	19	19	63	41,130	11	255,480			
10-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	75,053	5	103,534			
TOTAL OR AVERAGE	-	-	-	1	1	1	-	1	1	-	-	162	1.62	-	1.62	6	6	156	123,421	31	419,939			
DREDGE:																								
1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	8,085	8	-			
5-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	18,558	3	-			
10-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	5,400	1	-			
20-34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	16,151	1	-			
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	48,195	13	-			

TABLE 4. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF WORK LOCATIONS	PRODUCTION (SHORT TONS)																					
	FATAL	NFDL					TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL					ALL FATAL AND NFDL																				
		TOTAL	PERMANENT		TOTAL	TOTAL NFDL														TOTAL	TOTAL NFDL	TOTAL	TOTAL NFDL	TOTAL	TOTAL NFDL	TOTAL	TOTAL NFDL	TOTAL	TOTAL NFDL										
			TOTAL	PARTIAL																										TOTAL	TOTAL NFDL	TOTAL	TOTAL NFDL	TOTAL	TOTAL NFDL	TOTAL	TOTAL NFDL	TOTAL	TOTAL NFDL
TOTAL OR AVERAGE, SURFACE:	3	-	-	-	14	14	17	8	25	2.36	2.86	1.35	4.21	3.032	32	30	3.064	1,536	1,187,208	829	1,267,101																		
1 - 4	-	-	-	-	10	10	10	5	15	1.56	1.56	1.78	2.34	-	30	30	30	1,425	2,121,277	226	460,212																		
5 - 9	-	-	-	-	27	27	27	13	40	2.54	2.54	1.22	3.77	-	73	73	73	1,906	2,123,151	145	864,050																		
10 - 19	-	-	-	-	36	36	36	22	58	3.62	3.62	2.21	5.84	-	52	52	52	1,566	1,986,602	59	146,715																		
20 - 34	-	-	-	-	2	2	2	4	6	3.62	3.62	2.74	1.11	-	1	1	1	7.96	1,084,511	19	91,153																		
35 - 49	-	-	-	-	11	11	11	3	14	1.66	1.66	1.45	2.12	-	19	19	19	7.94	1,323,786	11	83,572																		
50 - 99	-	-	-	-	29	29	29	31	60	7.29	7.29	7.80	15.09	-	120	120	120	505	795,075	4	-																		
100 - 149	-	-	-	-	2	2	2	-	2	1.58	1.58	-	5.58	-	13	13	13	264	411,320	3	-																		
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-																		
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
TOTAL OR AVERAGE	3	-	2	-	129	131	134	86	220	2.41	2.46	1.58	4.04	331	43	373	9,325	10,888,473	1,297	2,940,813																			
TOTAL OR AVERAGE, MINING:	4	-	1	-	21	22	25	14	40	2.57	3.04	1.64	4.67	2,805	409	355	3,214	2,457	1,711,241	1,240	1,302,837																		
1 - 4	-	-	-	-	17	17	17	8	25	2.00	2.00	1.94	2.55	-	55	55	55	1,993	1,587,444	312	460,212																		
5 - 9	-	-	-	-	40	40	40	16	56	3.06	3.06	1.22	4.28	-	88	88	88	2,533	2,616,141	153	913,176																		
10 - 19	-	-	-	-	53	53	53	34	91	3.55	3.55	2.55	6.10	-	15	15	15	2,533	2,933,097	94	300,156																		
20 - 34	-	-	-	-	14	14	14	4	18	1.76	1.76	1.50	2.27	-	210	210	210	1,064	1,588,183	26	99,163																		
35 - 49	-	-	-	-	48	48	48	11	59	4.36	4.36	5.98	5.23	-	84	84	84	1,411	2,254,690	21	83,822																		
50 - 99	-	-	-	-	30	30	30	37	67	4.98	4.98	6.14	11.11	-	12	12	12	705	1,203,763	5	-																		
100 - 149	-	-	-	-	2	2	2	-	2	1.54	1.54	-	5.4	-	-	-	-	264	744,936	4	-																		
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	411,320	1	-																		
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
TOTAL OR AVERAGE	4	-	3	-	223	226	230	128	358	2.97	3.02	1.68	4.71	316	118	434	13,604	15,212,815	1,896	3,199,366																			
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
1 - 4	-	-	-	-	-	-	-	3	3	-	-	99.99	99.99	-	-	-	-	5	1,591	3	-																		
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1,745	1	-																		
10 - 19	-	-	-	-	-	-	-	-	-	99.99	99.99	-	99.99	-	11,776	11,776	11,776	12	1,019	1	-																		
TOTAL OR AVERAGE	-	-	-	-	1	1	1	3	4	45.92	45.92	99.99	99.99	-	2,755	2,755	2,755	23	4,355	5	-																		
PROCESSING PLANTS:	2	-	1	-	17	18	20	2	22	12.88	14.32	1.43	15.75	8,589	621	521	9,210	503	279,418	235	-																		
1 - 4	-	-	-	-	21	21	21	3	24	8.02	8.02	1.15	9.17	-	1,305	1,305	1,305	503	523,441	94	-																		
5 - 9	-	-	-	-	7	7	7	15	34	1.77	1.77	3.80	5.57	-	75	75	75	762	789,590	58	-																		
10 - 19	-	-	-	-	23	23	23	11	34	7.37	7.37	3.53	10.90	-	102	102	102	457	623,768	19	-																		
20 - 34	-	-	-	-	21	21	21	4	25	6.96	6.96	1.33	8.29	-	131	131	131	394	603,350	10	-																		
35 - 49	-	-	-	-	5	5	5	3	8	2.57	2.57	1.28	3.85	-	63	63	63	317	466,963	5	-																		
50 - 99	-	-	-	-	13	13	13	4	17	17.77	17.77	5.32	22.77	-	157	157	157	208	150,356	2	-																		
100 - 149	-	-	-	-	2	2	2	-	2	-	-	-	-	-	10	10	10	728	517,485	2	-																		
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
TOTAL OR AVERAGE	2	-	3	-	108	111	113	42	155	5.51	5.72	2.12	7.84	607	283	890	3,972	3,954,412	3,972	3,954,412	425	-																	

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

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF WORK LOCATIONS	PRODUCTION (SHORT TONS)
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPORARY	TOTAL NFDL															
														TOTAL	PARTIAL				
TOTAL OR AVERAGE ALL MINES AND PLANTS:																			
1-4	6	-	2	38	40	46	19	19	4.62	1.91	6.53	3.614	439	4,053	2,965	1,992,250	1,478	1,302,837	
5-9	-	-	1	37	38	39	11	31	3.42	.99	4.41	-	349	349	2,592	2,222,630	407	460,212	
10-19	-	-	-	48	48	48	49	31	2.82	1.82	4.54	-	89	89	3,377	3,406,740	262	913,176	
20-34	-	-	1	75	76	76	49	79	2.82	2.72	6.93	-	63	63	3,000	3,606,866	113	320,156	
35-49	-	-	-	35	35	35	8	125	4.21	2.72	5.92	-	47	47	1,448	2,191,573	36	99,163	
50-99	-	-	1	53	54	54	14	68	3.19	1.03	5.00	-	186	186	1,728	2,721,653	26	83,822	
100-149	-	-	1	42	43	43	41	84	3.97	1.03	12.39	-	92	92	842	1,356,119	7	-	
150-249	-	-	-	2	2	2	-	2	6.34	6.05	1.54	-	12	12	705	1,744,936	4	-	
250 OR MORE	-	-	-	2	2	2	-	2	.43	-	.43	-	6	6	952	928,815	3	-	
TOTAL OR AVERAGE	6	6	6	332	338	344	173	517	3.59	1.80	5.39	376	153	528	17,599	19,171,582	2,326	3,199,366	
OFFICE:																			
1-4	-	-	-	1	1	1	2	3	.68	1.37	2.05	-	13	13	318	292,953	183	-	
5-9	-	-	-	1	1	1	-	1	1.20	-	1.20	-	43	43	165	166,939	28	-	
10-19	-	-	-	1	1	1	-	1	1.20	-	1.20	-	6	6	153	166,767	12	-	
20-34	-	-	-	-	-	-	-	-	-	1.23	1.23	-	-	-	85	162,373	3	-	
35-49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	63,082	1	-	
50-99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	192	352,755	3	-	
100-149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136	212,160	1	-	
150-249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	382	365,448	2	-	
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450	250,000	1	-	
TOTAL OR AVERAGE	-	-	-	3	3	3	6	6	.30	.30	.59	-	6	6	1,923	2,032,537	234	-	
GRAND TOTAL OR AVERAGE:																			
1-4	6	-	2	39	41	47	21	68	4.11	1.84	5.95	3,151	384	3,535	3,283	2,285,213	1,661	1,302,837	
5-9	-	-	1	38	39	39	11	50	3.26	.92	4.18	-	328	328	2,757	2,389,569	435	460,212	
10-19	-	-	-	49	49	49	31	80	2.74	1.73	4.48	-	85	85	3,480	3,573,507	264	913,176	
20-34	-	-	1	76	76	76	50	126	4.03	2.65	5.69	-	60	60	3,085	3,769,239	116	320,156	
35-49	-	-	-	35	35	35	8	43	3.10	.71	3.81	-	46	46	1,490	2,254,665	37	99,163	
50-99	-	-	1	53	54	54	14	68	3.51	.91	4.42	-	165	165	1,920	3,074,448	29	83,822	
100-149	-	-	1	42	43	43	41	84	5.48	5.23	10.71	-	80	80	1,078	1,568,279	8	-	
150-249	-	-	-	2	2	2	-	2	.36	-	.36	-	4	4	1,687	1,110,384	6	-	
250 OR MORE	-	-	-	2	2	2	-	2	.34	-	.34	-	8	8	1,442	1,178,815	4	-	
TOTAL OR AVERAGE	6	-	6	335	341	347	176	523	3.27	1.66	4.93	340	139	478	19,522	21,204,119	2,560	3,199,366	

NOTE: TABLE 1 DEPICTS THE TOTAL NUMBER OF INDEPENDENT COAL CONTRACTORS REPORTING TO MSHA. SOME CONTRACTORS WORK BOTH IN THE UNDERGROUND AND ON THE SURFACE AT MULTIPLE WORK LOCATIONS. THESE CONTRACTORS MAY APPEAR MULTIPLE TIMES IN TABLES 2 AND 4 IN THE COLUMN "NUMBER OF WORK LOCATIONS." SUBTOTALS AND TOTALS INVOLVING THESE WORK LOCATIONS IN THESE TABLES MAY DIFFER.

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

WORK LOCATION AND EMPLOYMENT SIZE GROUP	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		TOTAL NFDL					
									TOTAL	PARTIAL						
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																
1 - 4	1	-	1	8	9	6	15	6,000	-	3,000	3,314	3,314	9,314	3,000	45	1,035
5 - 9	-	-	-	7	7	3	10	-	-	-	272	272	-	-	39	39
10 - 19	-	-	-	13	13	3	16	-	-	-	381	381	-	-	29	29
20 - 34	-	-	-	17	17	16	33	-	-	-	300	300	-	-	18	18
35 - 49	-	-	-	12	12	-	12	-	-	-	113	113	-	-	9	9
50 - 99	-	-	-	37	37	8	45	-	-	-	2,245	2,245	-	-	61	61
100 - 149	-	-	-	1	1	6	7	-	-	-	30	30	-	-	30	30
TOTAL OR AVERAGE	1	-	1	95	96	42	138	6,000	-	3,000	6,655	6,655	12,655	3,000	39	132
SURFACE MINES:																
STRIP:																
1 - 4	3	-	-	12	15	8	23	18,000	-	-	142	142	18,142	-	12	1,209
5 - 9	-	-	-	9	9	3	12	-	-	-	189	189	-	-	21	21
10 - 19	-	-	-	26	26	13	39	-	-	-	767	767	-	-	30	30
20 - 34	-	-	1	36	36	22	58	-	-	110	408	408	110	110	12	14
35 - 49	-	-	-	2	2	4	6	-	-	-	4	4	-	-	2	2
50 - 99	-	-	-	11	11	3	14	-	-	-	125	125	-	-	11	11
100 - 149	-	-	1	28	29	31	60	-	-	50	479	479	50	50	15	17
150 - 249	-	-	-	2	2	-	2	-	-	-	46	46	-	-	23	23
TOTAL OR AVERAGE	3	-	2	127	130	84	214	18,000	-	160	2,270	2,270	20,270	80	17	156
AUGER:																
1 - 4	-	-	-	2	2	-	2	-	-	-	47	47	-	-	24	24
5 - 9	-	-	-	-	-	2	2	-	-	-	-	-	-	-	5	5
10 - 19	-	-	-	1	1	-	1	-	-	-	5	5	-	-	17	17
TOTAL OR AVERAGE	-	-	-	3	3	2	5	-	-	-	52	52	-	-	-	-
CULM BANK:																
5 - 9	-	-	-	1	1	-	1	-	-	-	4	4	-	-	4	4
TOTAL OR AVERAGE	-	-	-	1	1	-	1	-	-	-	4	4	-	-	4	4
TOTAL OR AVERAGE, SURFACE:																
1 - 4	3	-	-	14	17	8	25	18,000	-	-	189	189	18,189	-	14	1,070
5 - 9	-	-	-	10	10	5	15	-	-	-	193	193	-	-	19	19
10 - 19	-	-	-	27	27	13	40	-	-	-	772	772	-	-	29	29
20 - 34	-	-	1	36	36	22	58	-	-	110	518	518	110	110	12	14
35 - 49	-	-	-	2	2	4	6	-	-	-	4	4	-	-	2	2
50 - 99	-	-	-	11	11	3	14	-	-	-	125	125	-	-	11	11
100 - 149	-	-	1	28	29	31	60	-	-	50	479	479	50	50	15	17
150 - 249	-	-	-	2	2	-	2	-	-	-	46	46	-	-	23	23
TOTAL OR AVERAGE	3	-	2	129	134	86	220	18,000	-	160	2,326	2,326	20,326	80	17	152

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

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFEL			TOTAL FATAL AND NFEL	TOTAL INJURIES	FATAL	NFEL			TOTAL FATAL AND NFEL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFEL	
		PERMANENT	TEMPORARY	TOTAL				PERMANENT	TEMPORARY	TOTAL					
															TOTAL
TOTAL OR AVERAGE. MINING:	4	1	21	22	26	14	24,000	3,000	503	3,433	27,503	3,000	24	1,058	
1 - 4	-	-	17	17	17	8	-	-	465	465	465	-	27	27	
5 - 9	-	-	40	40	40	16	-	-	1,153	1,153	1,153	-	29	29	
10 - 19	-	-	53	53	53	38	-	-	1,708	1,708	1,708	-	14	15	
20 - 34	-	1	14	14	14	4	-	-	117	117	818	110	8	8	
35 - 49	-	-	48	48	48	11	-	-	2,370	2,370	2,370	50	49	49	
50 - 99	-	-	30	30	30	37	-	50	46	508	508	-	16	16	
100 - 149	-	-	2	2	2	2	-	-	-	46	46	-	23	23	
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	4	3	223	226	230	128	24,000	3,160	5,821	8,981	32,981	1,053	26	143	
INDEPENDENT SHOPS:	-	-	-	-	-	3	-	-	-	-	-	-	-	-	
1 - 4	-	-	1	1	1	1	-	-	-	-	-	-	-	-	
5 - 9	-	-	1	1	1	1	-	-	-	-	-	-	-	-	
10 - 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	1	1	1	3	-	-	-	-	-	-	-	-	
PROCESSING PLANTS:	2	1	17	18	20	2	12,000	110	757	867	12,867	110	45	643	
1 - 4	-	1	20	21	21	3	-	3,000	415	3,415	3,415	3,000	21	163	
5 - 9	-	-	7	7	7	15	-	-	236	236	236	-	42	42	
10 - 19	-	-	23	23	23	11	-	-	319	319	319	-	14	14	
20 - 34	-	-	21	21	21	4	-	-	336	336	336	-	19	19	
35 - 49	-	-	5	5	5	3	-	75	87	162	162	75	9	27	
50 - 99	-	1	13	13	13	4	-	-	118	118	118	-	13	13	
100 - 149	-	-	2	2	2	2	-	-	26	26	26	-	-	-	
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	2	3	108	111	113	42	12,000	3,185	2,414	5,599	17,599	1,062	22	156	
TOTAL OR AVERAGE. ALL MINES AND PLANTS:	6	2	35	40	46	19	36,000	3,110	1,260	4,370	40,370	1,555	33	878	
1 - 4	-	1	37	38	38	11	-	3,000	880	3,880	3,880	3,000	24	102	
5 - 9	-	-	48	48	48	31	-	-	1,509	1,509	1,509	-	31	15	
10 - 19	-	-	75	76	76	49	-	-	1,027	1,027	1,027	110	14	15	
20 - 34	-	-	35	35	35	6	-	-	513	513	513	-	15	15	
35 - 49	-	-	53	53	53	14	-	75	2,457	2,457	2,457	75	47	47	
50 - 99	-	1	42	43	43	41	-	50	577	577	577	50	15	15	
100 - 149	-	-	2	2	2	2	-	-	46	46	46	-	23	23	
150 - 249	-	-	-	-	-	-	-	-	26	26	26	-	13	13	
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	6	6	332	338	344	173	36,000	6,345	8,235	14,640	50,640	1,058	25	47	
OFFICE:	-	-	1	1	1	2	-	-	-	-	-	-	-	-	
1 - 4	-	-	1	1	1	1	-	-	-	-	-	-	-	-	
5 - 9	-	-	1	1	1	1	-	-	-	-	-	-	-	-	
10 - 19	-	-	1	1	1	1	-	-	-	-	-	-	-	-	
20 - 34	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	3	3	3	6	-	-	-	-	-	-	-	-	

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

WORK LOCATION AND EMPLOYMENT SIZE GROUP	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 NFDL					
GRAND TOTAL OR AVERAGE:	6	2	39	41	47	21	68	36,000	3,110	3,000	1,279	4,389	1,555	33	859
1 - 4	-	1	38	39	39	11	50	-	3,000	-	916	3,916	3,000	24	100
5 - 9	-	-	49	49	49	31	80	-	-	-	1,514	1,514	-	31	31
10 - 19	-	-	75	76	76	50	126	-	110	110	1,027	1,137	110	14	15
20 - 34	-	-	35	35	35	8	43	-	-	-	513	513	-	15	15
35 - 49	-	-	53	54	54	14	68	-	75	75	2,457	2,532	75	46	47
50 - 99	-	-	42	43	43	41	84	-	50	50	577	627	50	14	15
100 - 149	-	-	2	2	2	-	2	-	-	-	46	46	-	23	23
150 - 249	-	-	2	2	2	-	2	-	-	-	26	26	-	13	13
250 OR MORE	-	-	-	-	-	-	-	-	-	-	8,355	14,700	1,058	25	146
TOTAL OR AVERAGE:	6	6	335	341	347	176	523	36,000	6,345	-	8,355	14,700	1,058	25	146

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

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	TEMPORARY	TOTAL FATAL AND NFDL	
		TOTAL	PARTIAL	TEMPORARY					TOTAL NFDL	PERMANENT	TEMPORARY					TOTAL NFDL
UNDERGROUND MINES:																
UNDERGROUND:																
ALABAMA	-	-	-	3	3	1	4	-	-	-	241	-	80	80	241	80
ARIZONA	-	-	-	2	2	-	2	-	-	-	177	-	88	88	177	88
COLORADO	-	-	-	4	4	-	4	-	-	-	15	-	4	4	15	4
ILLINOIS	-	-	-	16	16	3	19	-	-	-	375	-	23	23	375	23
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	2	2	4	6	-	-	-	44	-	22	22	44	22
BITUMINOUS	-	-	-	2	2	4	6	-	-	-	44	-	22	22	44	22
ALL COAL	-	-	-	11	11	5	16	-	-	-	612	-	56	56	612	56
UTAH	-	-	-	11	11	3	14	-	-	-	410	-	37	37	410	37
VIRGINIA	-	-	-	10	10	2	12	-	-	-	324	-	32	32	324	32
WEST VIRGINIA	-	-	-	1	1	-	1	-	-	-	8	-	8	8	8	8
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	60	60	18	78	-	-	-	2,206	-	37	37	2,206	37
ANTHRACITE	-	-	-	60	60	18	78	-	-	-	2,206	-	37	37	2,206	37
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE AT UNDERGROUND:																
ALABAMA	-	-	-	1	1	-	1	-	-	-	21	-	21	21	21	21
COLORADO	-	-	-	3	3	3	6	-	-	-	123	-	41	41	123	41
ILLINOIS	-	-	-	3	3	2	5	-	-	-	166	-	55	55	166	55
KENTUCKY	1	-	-	2	2	-	2	6,000	-	-	40	-	20	20	40	1,542
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	1	1	-	1	-	-	-	6	-	6	6	6	6
ANTHRACITE	-	-	-	2	2	3	5	-	-	-	3	-	2	2	3	2
BITUMINOUS	-	-	-	3	3	3	6	-	-	-	9	-	3	3	9	3
ALL COAL	-	-	-	6	6	10	16	-	-	-	169	-	28	28	169	28
UTAH	-	-	-	5	5	2	7	-	-	-	3,142	-	36	36	3,142	628
VIRGINIA	-	-	-	12	12	2	14	-	-	-	779	-	65	65	779	65
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	33	33	24	59	6,000	-	-	6	-	6	6	6	6
ANTHRACITE	1	-	-	1	1	24	25	6,000	-	-	1,443	-	44	44	1,443	298
BITUMINOUS	-	-	-	34	34	24	60	-	-	-	4,449	-	43	43	4,449	290
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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
		TOTAL	PERMANENT	PARTIAL					TOTAL	PARTIAL				
TOTAL OR AVERAGE, UG:														
ALABAMA	-	4	-	4	4	1	5	-	-	-	262	-	66	262
ALASKA	-	2	-	2	2	1	3	-	-	-	177	-	88	177
COLORADO	-	7	-	7	7	3	10	-	-	-	138	-	20	138
ILLINOIS	-	19	-	19	20	5	25	6,000	-	-	541	-	327	6,541
KENTUCKY	1	2	-	2	2	-	2	-	-	-	40	-	20	40
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	1	-	1	1	7	8	-	-	-	6	-	6	6
BITUMINOUS	-	4	-	4	4	7	11	-	-	-	47	-	12	47
ALL COAL	-	5	-	5	5	8	12	-	-	-	53	-	11	53
UTAH	-	17	-	17	17	13	25	-	3,000	-	781	-	46	781
VIRGINIA	-	15	-	15	16	4	20	-	-	-	3,552	-	37	3,552
WEST VIRGINIA	-	22	-	22	22	4	26	-	-	-	1,103	-	50	1,103
WYOMING	-	1	-	1	1	-	1	-	-	-	8	-	8	8
TOTAL OR AVERAGE:	-	1	-	1	95	42	137	5,000	-	-	6	-	6	6
ANTHRACITE	-	93	-	93	96	42	138	5,000	-	-	3,649	-	39	12,649
BITUMINOUS	-	1	-	1	1	-	1	-	-	-	3,655	-	39	12,655
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUBAREA MINES:														
STRIP:														
ARIZONA	-	1	-	1	1	-	1	-	-	-	49	-	49	49
INDIANA	-	3	-	3	3	4	7	-	-	-	55	-	18	55
KENTUCKY	-	21	-	21	22	3	25	-	-	-	613	-	24	613
LOUISIANA	1	5	-	5	5	1	6	6,000	-	-	130	-	26	1,022
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	12	-	12	12	8	20	-	-	-	23	-	2	23
NEW MEXICO	-	2	-	2	2	3	5	-	-	-	21	-	10	21
NORTH DAKOTA	-	6	-	6	6	1	7	-	-	-	44	-	7	44
OHIO	-	12	-	12	12	5	17	-	-	-	288	-	24	288
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	4	-	4	4	4	8	-	-	-	147	-	37	147
BITUMINOUS	1	4	-	4	5	4	9	6,000	-	-	83	-	21	6,083
ALL COAL	1	8	-	8	9	4	13	6,000	-	-	230	-	29	6,230
TEXAS	-	20	-	20	20	22	42	-	-	-	231	-	12	6,000
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	1	21	-	21	22	6	28	6,000	-	-	410	-	17	6,410
WYOMING	-	14	-	14	14	21	35	-	-	-	176	-	13	176
TOTAL OR AVERAGE:	-	4	-	4	4	-	4	18,000	-	-	147	-	37	147
ANTHRACITE	3	121	-	121	126	61	210	18,000	-	-	1,953	-	16	20,123
BITUMINOUS	3	125	-	125	130	84	214	18,000	-	-	2,270	-	17	20,270
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALGER:														
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	2	-	2	2	2	4	-	-	-	47	-	24	47
BITUMINOUS	-	2	-	2	2	2	4	-	-	-	47	-	24	47
ALL COAL	-	1	-	1	1	-	1	-	-	-	5	-	5	5
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	3	-	3	3	2	5	-	-	-	52	-	17	52
BITUMINOUS	-	3	-	3	3	2	5	-	-	-	52	-	17	52
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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		
		PERMANENT	TEMPO- RARY	TOTAL NFIDL					TOTAL	PARTIAL	TOTAL NFIDL						
COLUMBIA BANK: PENNSYLVANIA: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	1	1	-	1	-	-	-	4	-	4	4	-	4	4
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	1	1	-	1	-	-	-	4	-	4	4	-	4	4
TOTAL OR AVERAGE, SURFACE: ARIZONA INDIANA KENTUCKY LOUISIANA MARYLAND MONTANA NEW MEXICO NORTH DAKOTA OHIO	-	-	-	1	1	-	1	-	-	-	49	-	49	49	-	49	49
PENNSYLVANIA: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	3	3	-	3	-	-	-	55	-	55	55	-	55	55
TEXAS VIRGINIA WEST VIRGINIA WYOMING	-	-	-	21	22	-	25	-	6,000	-	503	-	503	613	110	24	28
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	5	5	-	11	-	6,000	-	130	-	130	6,130	-	26	1,022
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	12	12	-	1	-	-	-	23	-	23	23	-	2	2
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	2	2	-	5	-	-	-	21	-	21	21	-	10	10
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	6	6	-	3	-	-	-	44	-	44	44	-	7	7
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	12	12	-	5	-	-	-	288	-	288	288	-	24	24
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	5	5	-	5	-	-	-	151	-	151	151	-	30	30
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	6	6	-	13	-	6,000	-	130	-	130	6,130	-	22	876
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	11	11	-	18	-	6,000	-	281	-	281	6,281	-	26	523
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	20	20	-	42	-	6,000	-	231	-	231	6,231	-	12	523
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	22	23	-	28	-	6,000	-	365	-	365	6,000	-	17	6,000
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	14	14	-	35	-	-	-	176	-	176	6,415	50	13	18
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	5	5	-	5	-	-	-	151	-	151	151	-	30	30
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	124	126	-	215	-	18,000	-	2,015	-	2,015	20,175	80	16	156
TOTAL OR AVERAGE: ANTHRACITE BITUMINOUS ALL COAL	-	-	-	129	131	-	220	-	18,000	-	2,166	-	2,166	20,336	80	17	152

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

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 NFDL	TOTAL NFDL								
											TOTAL					PARTIAL	TOTAL	PARTIAL
TOTAL OR AVERAGE, MINING:																		
ALABAMA-----	-	-	-	4	4	5	1	-	-	-	262	262	-	66	66			
ARIZONA-----	-	-	-	1	1	1	-	-	-	-	49	49	-	49	49			
COLORADO-----	-	-	-	2	2	3	3	-	-	-	177	177	-	88	88			
ILLINOIS-----	-	-	-	7	7	10	3	-	-	-	138	138	-	20	20			
INDIANA-----	-	-	-	3	3	4	4	-	-	-	55	55	-	18	18			
KENTUCKY-----	1	1	1	41	42	50	8	6,000	-	110	1,154	7,154	110	26	170			
LOUISIANA-----	1	-	-	5	5	11	5	6,000	-	-	130	6,130	-	20	1,022			
MONTANA-----	-	-	-	2	2	3	1	-	-	-	40	40	-	2	2			
MONTANA-----	-	-	-	12	12	11	8	-	-	-	23	23	-	10	10			
NEW MEXICO-----	-	-	-	2	2	5	3	-	-	-	21	21	-	7	7			
NORTH DAKOTA-----	-	-	-	6	6	7	1	-	-	-	44	44	-	24	24			
OHIO-----	-	-	-	12	12	17	5	-	-	-	288	288	-	-	-			
PENNSYLVANIA-----	-	-	-	6	6	6	-	-	-	-	157	157	-	26	26			
ANTHRACITE-----	-	-	-	10	10	13	-	6,000	-	-	177	177	-	18	18			
BITUMINOUS-----	1	-	-	16	17	24	13	6,000	-	-	334	6,334	-	21	562			
ALL COAL-----	1	-	-	20	20	30	22	-	-	-	231	6,231	-	12	373			
TEXAS-----	-	-	-	17	17	25	8	-	-	-	781	781	-	46	46			
UTAH-----	-	-	-	15	16	21	14	6,000	-	3,000	552	9,552	3,000	37	562			
VIRGINIA-----	1	-	-	44	45	55	10	-	-	50	1,518	1,518	50	34	34			
WEST VIRGINIA-----	-	-	-	15	15	36	21	-	-	-	184	184	-	12	12			
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE:	-	-	-	6	6	6	-	-	-	-	157	157	-	26	26			
ANTHRACITE-----	4	-	-	220	224	352	128	24,000	-	3,160	5,654	32,824	1,053	26	147			
BITUMINOUS-----	4	-	-	226	230	358	128	24,000	-	3,150	5,821	32,981	1,053	26	143			
ALL COAL-----	4	-	-	223	226	358	128	24,000	-	3,150	5,821	32,981	1,053	26	143			
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
INDIANA-----	-	-	-	1	1	1	-	-	-	-	60	60	-	60	60			
VIRGINIA-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BITUMINOUS-----	-	-	-	1	1	4	3	-	-	-	60	60	-	60	60			
ALL COAL-----	-	-	-	1	1	4	3	-	-	-	60	60	-	60	60			

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

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	PARTIAL	TEMPO- RARY				TOTAL NFDL	TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL					TEMPO- RARY	TOTAL NFDL
PROCESSING PLANTS:																
ALABAMA	-	-	-	-	-	1	-	-	-	-	-	-	9	-		
COLORADO	-	-	-	-	-	2	-	-	-	-	-	-	16	-		
ILLINOIS	-	-	-	-	-	3	-	-	-	-	-	-	5	-		
INDIANA	1	-	-	-	1	42	6,000	-	-	-	-	3,570	49	108		
KENTUCKY	-	-	-	-	-	7	-	-	-	-	-	223	19	32		
MARYLAND	-	-	-	-	-	13	-	-	-	-	-	110	43	43		
OHIO	-	-	-	-	-	6	-	-	-	-	-	223	40	784		
PENNSYLVANIA	-	-	-	-	-	5	-	-	-	-	-	49	15	108		
ANTHRACITE	-	-	-	-	-	1	-	-	-	-	-	223	43	5		
BITUMINOUS	1	-	-	-	1	13	6,000	-	-	-	-	273	39	784		
ALL COAL	1	-	-	-	1	14	6,000	-	-	-	-	316	40	702		
TEXAS	-	-	-	-	-	4	-	-	-	-	-	30	10	10		
VIRGINIA	-	-	-	-	-	16	-	-	-	-	-	466	42	42		
WASHINGTON	-	-	-	-	-	1	-	-	-	-	-	871	24	26		
WEST VIRGINIA	-	-	-	-	-	40	-	-	-	-	-	49	10	10		
WYOMING	-	-	-	-	-	11	-	-	-	-	-	49	22	156		
TOTAL OR AVERAGE:																
ANTHRACITE	-	-	-	-	-	1	-	-	-	-	-	43	43	43		
BITUMINOUS	2	-	-	-	2	154	12,000	-	-	-	-	5,556	22	157		
ALL COAL	2	-	-	-	2	155	12,000	-	-	-	-	5,556	22	156		
TOTAL OR AVERAGE:																
ALL MINES AND PLANTS:	-	-	-	-	-	6	-	-	-	-	-	262	66	66		
ALABAMA	-	-	-	-	-	1	-	-	-	-	-	49	49	49		
ARIZONA	-	-	-	-	-	5	-	-	-	-	-	186	46	46		
COLORADO	-	-	-	-	-	13	-	-	-	-	-	154	15	15		
ILLINOIS	-	-	-	-	-	9	-	-	-	-	-	115	29	29		
INDIANA	-	-	-	-	-	92	6,000	-	-	-	-	6,115	22	1,223		
KENTUCKY	1	-	-	-	1	17	6,000	-	-	-	-	10,724	26	1,433		
LOUISIANA	1	-	-	-	1	5	6,000	-	-	-	-	4,724	26	1,022		
MARYLAND	-	-	-	-	-	10	-	-	-	-	-	130	13	13		
MONTANA	-	-	-	-	-	3	-	-	-	-	-	89	2	2		
NEW MEXICO	-	-	-	-	-	20	-	-	-	-	-	23	10	10		
NORTH DAKOTA	-	-	-	-	-	8	-	-	-	-	-	21	7	7		
OHIO	-	-	-	-	-	3	-	-	-	-	-	44	22	27		
PENNSYLVANIA	-	-	-	-	-	11	-	-	-	-	-	511	110	29		
ANTHRACITE	-	-	-	-	-	7	-	-	-	-	-	200	29	29		
BITUMINOUS	2	-	-	-	2	37	12,000	-	-	-	-	450	26	655		
ALL COAL	2	-	-	-	2	44	12,000	-	-	-	-	650	27	687		
TEXAS	-	-	-	-	-	23	-	-	-	-	-	261	21	11		
UTAH	-	-	-	-	-	46	-	-	-	-	-	781	46	46		
VIRGINIA	-	-	-	-	-	25	6,000	-	-	-	-	4,018	39	358		
WASHINGTON	-	-	-	-	-	50	-	-	-	-	-	2,389	29	30		
WEST VIRGINIA	-	-	-	-	-	1	-	-	-	-	-	233	12	12		
WYOMING	-	-	-	-	-	95	-	-	-	-	-	200	29	29		
TOTAL OR AVERAGE:																
ANTHRACITE	-	-	-	-	-	7	-	-	-	-	-	200	29	29		
BITUMINOUS	6	-	-	-	6	510	36,000	-	-	-	-	14,440	25	150		
ALL COAL	6	-	-	-	6	517	36,000	-	-	-	-	14,640	25	147		

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

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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	TEMPORARY					TOTAL	TEMPORARY	TOTAL					
OFFICE:																
PENNSYLVANIA:																
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
GRAND TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	624
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	470
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	346
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	149
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	146

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL CONTRACTOR COAL 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	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPORARY												
			TOTAL	PARTIAL											
UNDERGROUND MINES: UNDERGROUND:															
EYE-----	-	-	-	2	2	1	3	-	.31	.31	.16	.47	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	2	2	-	-	-	.31	.31	-	-	-
HEAD, NEC-----	-	-	-	1	1	-	1	-	.16	.16	.16	.16	-	2	2
NECK-----	-	-	-	1	1	-	1	-	.16	.16	.16	.16	-	5	5
ELBOW-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST-----	-	-	-	1	1	-	1	-	.16	.16	.16	.16	-	(*)	(*)
HAND-----	-	-	-	4	4	4	8	-	.63	.63	.63	1.25	-	36	36
FINGER(S)-----	-	-	-	5	5	3	8	-	.78	.78	.47	1.25	-	10	10
UPPER EXTREMITIES, NEC-----	-	-	-	2	2	2	6	-	.31	.31	.16	.16	-	1	1
BACK-----	-	-	-	15	15	1	16	-	2.35	2.35	.16	2.50	-	200	200
CHEST-----	-	-	-	1	1	1	3	-	.16	.16	.16	.16	-	(*)	(*)
PELVIC REGION-----	-	-	-	1	1	-	1	-	.16	.16	.16	.16	-	5	5
SHOULDER(S)-----	-	-	-	1	1	-	1	-	.16	.16	.16	.16	-	1	1
TRUNK, NEC-----	-	-	-	6	6	1	7	-	.94	.94	.16	.16	-	(*)	(*)
KNEE-----	-	-	-	1	1	1	2	-	.16	.16	.16	.16	-	41	41
LOWER LEG-----	-	-	-	7	7	1	8	-	.16	.16	.16	.16	-	2	2
FOOT-----	-	-	-	1	1	1	2	-	1.09	1.09	.31	1.41	-	6	6
TOE(S)-----	-	-	-	1	1	1	2	-	.16	.16	.16	.16	-	2	2
LOWER EXTREMITIES, NEC-----	-	-	-	3	3	1	4	-	.47	.47	.16	.16	-	16	16
MULTIPLE PARTS OF BODY-----	-	-	-	7	7	7	14	-	1.09	1.09	-	1.09	-	15	15
TOTAL OR AVERAGE-----	-	-	-	50	50	18	78	-	9.38	9.38	2.82	12.20	-	345	345
SURFACE AT UNDERGROUND:															
EYE-----	-	-	-	1	1	1	2	-	.07	.07	.39	.45	-	(*)	(*)
ELBOW-----	-	-	-	2	2	-	2	-	.13	.13	.13	.13	-	24	24
WRIST-----	-	-	-	1	1	1	2	-	.07	.07	.07	.07	-	(*)	(*)
HAND-----	-	-	-	4	4	-	4	-	.26	.26	.26	.26	-	4	4
FINGER(S)-----	-	-	-	2	2	3	5	-	.13	.13	.20	.33	-	1	1
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	2	2	-	-	-	.13	.13	-	-	-
BACK-----	-	-	-	5	5	2	7	-	.33	.33	.26	.59	-	17	17
CHEST-----	1	-	-	1	1	1	3	.07	.07	.07	.07	.13	394	17	394
PELVIC REGION-----	-	-	-	1	1	1	2	-	.07	.07	.13	.13	-	4	4
SHOULDER(S)-----	-	-	-	2	2	2	4	-	.13	.13	.13	.13	-	2	2
TRUNK, NEC-----	-	-	-	2	2	-	2	-	.13	.13	.13	.13	-	2	2
KNEE-----	-	-	-	1	1	2	3	-	.07	.07	.13	.20	-	5	5
ANKLE-----	-	-	-	4	4	4	8	-	.26	.26	.07	.26	-	4	4
FOOT-----	-	-	-	2	2	1	3	-	.13	.13	.07	.20	-	2	2
TOE(S)-----	-	-	-	1	1	1	2	-	.07	.07	.13	.13	-	4	4
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	2	-	.07	.07	.07	.07	-	7	7
BODY SYSTEMS-----	-	-	-	1	1	1	2	-	.07	.07	.07	.07	-	1	1
MULTIPLE PARTS OF BODY-----	-	-	-	4	5	2	7	-	.33	.33	.13	.46	-	217	217
TOTAL OR AVERAGE-----	1	-	1	34	35	24	60	.07	2.30	2.36	1.58	3.94	394	292	686

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL CONTRACTOR COAL 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, UG:																
EYE-----	-	-	3	3	3	7	10	-	.14	.14	.32	.46	-	(*)	(*)	
MOUTH/TEETH/TONGUE-----	-	-	1	1	1	2	2	-	-	-	.09	.09	-	-	-	
HEAD, NEC-----	-	-	1	1	1	1	1	-	.05	.05	.05	.05	-	1	1	
NECK-----	-	-	1	1	1	1	1	-	.05	.05	.05	.09	-	1	1	
ELBOW-----	-	-	2	2	2	2	3	-	.09	.09	.05	.14	-	17	17	
WRIST-----	-	-	2	2	2	1	3	-	.09	.09	.05	.14	-	(*)	(*)	
HAND-----	-	-	8	8	8	4	12	-	.37	.37	.18	.55	-	13	13	
FINGER(S)-----	-	-	7	7	7	6	13	-	.32	.32	.26	.60	-	4	4	
UPPER EXTREMITIES, NEC-----	-	-	2	2	2	2	4	-	.09	.09	.09	.18	-	(*)	(*)	
BACK-----	-	-	20	20	20	5	25	.05	.92	.92	.23	1.16	277	71	71	
CHEST-----	1	-	1	1	1	2	4	-	.05	.05	.09	.18	-	(*)	(*)	
PELVIC REGION-----	-	-	2	2	2	2	4	-	.09	.09	-	.09	-	5	5	
SHOULDER(S)-----	-	-	3	3	3	3	6	-	.14	.14	-	.14	-	2	2	
TRUNK, NEC-----	-	-	3	3	3	3	6	-	.14	.14	-	.14	-	1	1	
KNEE-----	-	-	7	7	7	3	10	-	.32	.32	.14	.46	-	14	14	
LOWER LEG-----	-	-	1	1	1	1	2	-	.05	.05	-	.05	-	1	1	
ANKLE-----	-	-	4	4	4	3	7	-	.18	.18	-	.18	-	4	4	
FOOT-----	-	-	9	9	9	4	13	-	.42	.42	.14	.55	-	5	5	
TOE(S)-----	-	-	2	2	2	3	5	-	.09	.09	.05	.14	-	2	2	
LOWER EXTREMITIES, NEC-----	-	-	4	4	4	1	5	-	.18	.18	.05	.23	-	10	10	
BODY SYSTEMS-----	-	-	1	1	1	1	2	-	.05	.05	.05	.09	-	1	1	
MULTIPLE PARTS OF BODY-----	-	-	11	12	12	2	14	-	.55	.55	.09	.65	-	157	157	
TOTAL OR AVERAGE-----	1	-	94	95	96	42	138	.05	4.39	4.44	1.94	6.38	277	308	585	

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL CONTRACTOR COAL 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 NFDL											
SURFACE MINES:																
STRIP:																
EAR	-	-	3	-	-	3	1	4	-	.05	.06	.02	.08	-	(*)	(*)
EYE	-	-	14	-	-	14	18	32	-	.27	.27	.34	.51	-	(*)	(*)
JAW	-	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	-
MOUTH/TEETH/TONGUE	-	-	1	-	-	1	3	4	-	.02	.02	.06	.08	-	(*)	(*)
HEAD, NEC	-	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	-
NECK	-	-	2	-	-	2	-	2	-	.04	.04	-	.04	-	(*)	(*)
UPPER ARM	-	-	1	-	-	1	1	1	-	.02	.02	.06	.08	-	1	1
ELBOW	-	-	1	-	-	1	3	4	-	.04	.04	.08	.11	-	1	1
FOREARM	-	-	2	-	-	2	2	4	-	.02	.02	.04	.04	-	(*)	(*)
WRIST	-	-	1	-	-	1	2	3	-	.02	.02	.08	.06	-	(*)	(*)
HAND	-	-	6	-	-	6	8	14	-	.11	.11	.15	.27	-	2	2
FINGER(S)	-	2	7	-	-	9	17	26	-	.17	.17	.32	.49	-	6	6
UPPER EXTREMITIES, NEC	-	-	2	-	-	2	2	4	-	.04	.04	.11	.04	-	1	1
BACK	-	-	30	-	-	30	6	36	-	.57	.57	.68	.88	-	12	12
CHEST	-	-	6	-	-	6	1	7	-	.11	.11	.02	.13	-	2	2
PELVIC REGION	-	-	2	-	-	2	-	2	-	.04	.04	-	.04	-	(*)	(*)
SHOULDER(S)	-	-	3	-	-	3	-	3	-	.06	.06	-	.06	-	1	1
TRUNK, NEC	-	-	7	-	-	7	-	7	-	.13	.13	-	.13	-	(*)	(*)
THIGH	-	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	-
KNEE	-	-	6	-	-	6	4	10	-	.11	.11	.08	.19	-	1	1
LOWER LEG	-	-	3	-	-	3	1	4	-	.06	.06	.02	.08	-	4	4
ANKLE	-	-	6	-	-	6	2	8	-	.11	.11	.04	.05	-	2	2
FOOT	-	-	7	-	-	7	1	8	-	.13	.13	.02	.15	-	3	3
TOE(S)	-	-	1	-	-	1	1	2	-	.02	.02	-	.02	-	(*)	(*)
LOWER EXTREMITIES, NEC	-	-	3	-	-	3	3	6	-	.06	.06	.06	.11	-	2	2
BODY SYSTEMS	1	-	3	-	-	4	2	6	.02	.06	.08	.04	.11	114	114	114
MULTIPLE PARTS OF BODY	2	-	8	-	-	10	5	15	.04	.15	.19	.09	.28	228	230	230
TOTAL OR AVERAGE	3	2	127	-	-	130	84	214	.06	2.41	2.47	1.59	4.06	342	43	385
AUGER:																
ELBOW	-	-	1	-	-	1	-	1	-	1.10	1.10	-	1.10	-	2	2
FINGER(S)	-	-	-	-	-	-	2	2	-	-	-	2.21	2.21	-	-	-
BACK	-	-	1	-	-	1	-	1	-	1.10	1.10	-	1.10	-	6	6
LOWER EXTREMITIES, NEC	-	-	1	-	-	1	-	1	-	1.10	1.10	-	1.10	-	50	50
TOTAL OR AVERAGE	-	-	3	-	-	3	2	5	-	3.31	3.31	2.21	5.52	-	57	57
CULM BANK:																
ANKLE	-	-	1	-	-	1	-	1	-	1.62	1.62	-	1.62	-	6	6
TOTAL OR AVERAGE	-	-	1	-	-	1	-	1	-	1.62	1.62	-	1.62	-	6	6

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL CONTRACTOR COAL 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												
TOTAL OR AVERAGE, SURFACE:																
EAR-----	-	-	3	14	3	1	4	-	.05	.06	.02	.07	-	(*)	(*)	
EYE-----	-	-	-	-	-	18	32	-	.26	.26	.33	.59	-	(*)	(*)	
JAW-----	-	-	1	1	1	1	4	-	.02	.02	.06	.07	-	(*)	(*)	
MOUTH/TEETH/TONGUE-----	-	-	1	1	1	1	1	-	.02	.02	.02	.02	-	(*)	(*)	
HEAD, NEC-----	-	-	2	2	2	-	2	-	.04	.04	-	.04	-	(*)	(*)	
NECK-----	-	-	1	1	1	3	5	-	.02	.02	.06	.09	-	(*)	(*)	
UPPER ARM-----	-	-	2	2	2	4	6	-	.04	.04	.07	.11	-	(*)	(*)	
ELBOW-----	-	-	2	2	2	2	3	-	.02	.02	.04	.06	-	(*)	(*)	
FOREARM-----	-	-	1	1	1	2	3	-	.11	.11	.15	.26	-	(*)	(*)	
WRIST-----	-	-	6	6	6	8	14	-	.17	.17	.35	.51	-	(*)	(*)	
HAND-----	-	-	7	7	7	9	28	-	.04	.04	.11	.04	-	(*)	(*)	
FINGER(S)-----	-	-	2	2	2	6	7	-	.57	.57	.11	.68	-	(*)	(*)	
UPPER EXTREMITIES, NEC-----	-	-	31	31	31	1	37	-	.11	.11	.02	.13	-	(*)	(*)	
BACK-----	-	-	6	6	6	2	2	-	.04	.04	-	.04	-	(*)	(*)	
CHEST-----	-	-	2	2	2	3	3	-	.06	.06	-	.06	-	(*)	(*)	
PELVIC REGION-----	-	-	7	7	7	1	7	-	.13	.13	-	.13	-	(*)	(*)	
SHOULDER(S)-----	-	-	6	6	6	4	10	-	.11	.11	.07	.18	-	(*)	(*)	
TRUNK, NEC-----	-	-	3	3	3	1	4	-	.06	.06	.02	.07	-	(*)	(*)	
THIGH-----	-	-	6	6	6	3	9	-	.13	.13	.04	.17	-	(*)	(*)	
KNEE-----	-	-	7	7	7	2	9	-	.13	.13	.02	.15	-	(*)	(*)	
LOWER LEG-----	-	-	7	7	7	1	8	-	.02	.02	.07	.13	-	(*)	(*)	
ANKLE-----	-	-	1	1	1	3	7	-	.07	.07	.06	.13	-	(*)	(*)	
FOOT-----	-	-	4	4	4	5	15	-	.06	.06	.07	.04	-	(*)	(*)	
TOE(S)-----	-	-	8	8	8	2	5	-	.15	.15	.18	.09	-	(*)	(*)	
LOWER EXTREMITIES, NEC-----	1	-	8	8	10	3	15	.02	.06	.07	.04	.11	110	2	111	
BODY SYSTEMS-----	1	-	8	8	10	5	15	.04	.15	.18	.09	.28	220	2	222	
MULTIPLE PARTS OF BODY-----	2	-	-	-	-	86	220	.06	2.41	2.46	1.58	4.04	331	43	373	
TOTAL OR AVERAGE-----	3	-	129	131	134	86	220	.06	2.41	2.46	1.58	4.04	331	43	373	

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL CONTRACTOR COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPO- RARY												
			TOTAL	PARTIAL											
TOTAL OR AVERAGE, MINING:															
EAR-----	-	-	-	3	3	3	4	-	.04	.04	.01	.05	-	(*)	(*)
EYE-----	-	-	-	17	17	17	42	-	.22	.22	.33	.55	-	(*)	(*)
JAW-----	-	-	-	-	-	-	1	-	-	-	.01	.01	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	5	-	.01	.01	.07	.08	-	(*)	(*)
HEAD, NEC-----	-	-	-	1	1	1	2	-	.01	.01	.01	.03	-	(*)	(*)
NECK-----	-	-	-	3	3	3	4	-	.04	.04	.01	.05	-	1	1
UPPER ARM-----	-	-	-	1	1	1	1	-	.01	.01	.01	.01	-	1	1
ELBOW-----	-	-	-	4	4	4	8	-	.05	.05	.05	.11	-	5	5
FOREARM-----	-	-	-	2	2	2	6	-	.03	.03	.03	.08	-	(*)	(*)
WRIST-----	-	-	-	3	3	3	6	-	.04	.04	.04	.08	-	(*)	(*)
HAND-----	-	-	-	14	14	14	26	-	.18	.18	.16	.34	-	5	5
FINGER(S)-----	-	-	-	4	4	4	12	-	.21	.21	.33	.54	-	5	5
UPPER EXTREMITIES, NEC-----	-	-	-	4	4	4	25	-	.05	.05	.03	.08	-	1	1
BACK-----	-	-	-	51	51	51	62	.01	.67	.67	.14	.82	79	29	29
CHEST-----	1	-	-	7	7	7	11	-	.09	.09	.11	.06	-	2	2
SHOULDER(S)-----	-	-	-	4	4	4	4	-	.05	.05	.05	.05	-	1	1
PELVIC REGION-----	-	-	-	6	6	6	6	-	.08	.08	.08	.08	-	1	1
TRUNK, NEC-----	-	-	-	10	10	10	10	-	.13	.13	.13	.13	-	1	1
THIGH-----	-	-	-	13	13	13	20	-	.17	.17	.09	.26	-	5	5
KNEE-----	-	-	-	4	4	4	5	-	.05	.05	.01	.07	-	3	3
LOWER LEG-----	-	-	-	11	11	11	13	-	.14	.14	.03	.17	-	3	3
ANKLE-----	-	-	-	16	16	16	20	-	.21	.21	.05	.26	-	3	3
FOOT-----	-	-	-	3	3	3	4	-	.04	.04	.01	.05	-	1	1
TOE(S)-----	-	-	-	8	8	8	12	-	.11	.11	.05	.16	-	5	5
LOWER EXTREMITIES, NEC-----	1	-	-	4	4	4	8	.01	.05	.05	.07	.11	79	(*)	79
BODY SYSTEMS-----	2	-	-	19	20	22	29	.03	.26	.25	.09	.38	156	46	204
MULTIPLE PARTS OF BODY-----															
TOTAL OR AVERAGE-----	4	-	3	223	226	230	358	.05	2.97	3.02	1.68	4.71	316	118	434
INDEPENDENT SHOPS:															
HEAD, NEC-----	-	-	-	-	-	-	1	-	-	-	.45	.92	-	-	-
NECK-----	-	-	-	1	1	1	2	-	.45	.45	.91	.85	-	2.755	2.755
ANKLE-----	-	-	-	1	1	1	1	-	.45	.45	.92	.92	-	2.755	2.755
TOTAL OR AVERAGE-----	-	-	-	1	1	1	4	-	.45	.45	.92	.92	-	2.755	2.755

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL CONTRACTOR COAL 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 NFDL											
		TOTAL	PARTIAL													
PROCESSING PLANTS:																
EYE-----	-	-	-	6	-	6	5	17	-	.30	.30	.56	.86	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	-	11	-	-	-	.05	.05	-	-	-
FACE, NEC-----	-	-	-	1	-	1	1	1	-	.05	.05	.05	.05	-	(*)	(*)
HEAD, NEC-----	-	-	-	3	3	3	3	3	-	.15	.15	.15	.30	-	2	2
NECK-----	-	-	-	2	2	2	2	2	-	.10	.10	-	.10	-	1	1
ELBOW-----	-	-	-	-	-	-	-	1	-	-	-	.05	.05	-	-	-
WRIST-----	-	-	-	1	1	1	1	3	-	.05	.05	.15	.20	-	(*)	(*)
HAND-----	-	-	-	7	7	7	7	4	-	.35	.35	.20	.56	-	6	6
FINGER(S)-----	-	-	-	6	6	6	6	15	-	.40	.40	.40	.81	-	16	16
UPPER EXTREMITIES, NEC-----	-	-	-	2	2	2	2	8	-	.10	.10	-	.10	-	2	2
ABDOMEN-----	-	-	-	1	1	1	1	2	-	.05	.05	-	.05	-	(*)	(*)
BACK-----	-	-	-	27	27	27	27	28	-	1.37	1.37	.05	1.42	-	32	32
CHEST-----	-	-	-	1	1	1	1	1	-	.05	.05	-	.05	-	(*)	(*)
PELVIC REGION-----	-	-	-	1	1	1	1	1	-	.05	.05	-	.05	-	(*)	(*)
SHOULDER(S)-----	-	-	-	1	1	1	1	1	-	.05	.05	-	.05	-	(*)	(*)
TRUNK, NEC-----	-	-	-	1	1	1	1	1	-	.05	.05	-	.05	-	1	1
THIGH-----	-	-	-	2	2	2	2	2	-	.10	.10	.20	.46	-	(*)	(*)
KNEE-----	-	-	-	4	4	4	4	5	-	.20	.20	.25	.46	-	8	8
LOWER LEG-----	-	-	-	1	1	1	1	1	-	.05	.05	-	.05	-	(*)	(*)
ANKLE-----	-	-	-	9	9	9	9	9	-	.46	.46	-	.46	-	10	10
FOOT-----	-	-	-	7	7	7	7	8	-	.35	.35	.05	.40	-	8	8
LOWER EXTREMITIES, NEC-----	-	-	-	8	8	8	8	11	-	.40	.40	.15	.56	-	12	12
BODY SYSTEMS-----	-	-	-	1	1	1	1	1	-	.05	.05	-	.05	-	1	1
MULTIPLE PARTS OF BODY-----	2	-	-	16	16	17	19	19	.10	.86	.96	-	.96	607	183	790
UNCLASSIFIED-----	-	-	-	-	-	-	-	1	-	-	-	.05	.05	-	-	-
TOTAL OR AVERAGE-----	2	-	3	108	111	113	42	155	.10	5.61	5.72	2.12	7.84	607	283	890

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

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NOL	TOTAL INJURIES	FATAL	NFIDL	ALL FATAL AND NFIDL	NOL	ALL INJURIES	FATAL	NFIDL	ALL FATAL AND NFIDL
		PERMANENT	TEMPO- RARY	TOTAL NFIDL											
TOTAL OR AVERAGE, ALL MINES AND PLANTS:															
EAR-----	-	-	3	-	3	1	4	-	.03	.03	.01	.04	-	(*)	(*)
EYE-----	-	-	23	-	23	36	59	-	.24	.24	.38	.62	-	(*)	(*)
JAW-----	-	-	-	-	-	1	1	-	-	-	-	.01	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	1	-	1	6	7	-	.01	.01	.06	.07	-	(*)	(*)
FACE, NEC-----	-	-	1	-	1	1	1	-	.01	.01	-	.01	-	(*)	(*)
HEAD, NEC-----	-	-	4	-	4	5	9	-	.04	.04	.05	.09	-	1	1
NECK-----	-	-	5	-	5	3	8	-	.05	.05	.03	.08	-	1	1
NECK, NEC-----	-	-	1	-	1	1	1	-	.01	.01	-	.01	-	1	1
UPPER ARM-----	-	-	4	-	4	5	9	-	.04	.04	.05	.09	-	4	4
ELBOW-----	-	-	2	-	2	4	6	-	.02	.02	.04	.06	-	(*)	(*)
FOREARM-----	-	-	4	-	4	6	10	-	.04	.04	.06	.10	-	(*)	(*)
WRIST-----	-	-	21	-	21	16	37	-	.22	.22	.17	.39	-	5	5
HAND-----	-	-	20	-	24	33	57	-	.23	.23	.34	.59	-	7	7
FINGER(S)-----	-	-	6	-	6	2	8	-	.05	.05	.02	.08	-	1	1
UPPER EXTREMITIES, NEC-----	-	-	1	-	1	1	1	-	.01	.01	-	.01	-	(*)	(*)
ABDOMEN-----	-	-	78	-	78	12	90	.01	.81	.81	.13	.94	63	29	29
BACK-----	-	-	8	-	8	3	12	-	.08	.08	.03	.13	-	1	1
CHEST-----	1	-	5	-	5	5	5	-	.05	.05	-	.05	-	1	1
PELVIC REGION-----	-	-	7	-	7	7	7	-	.07	.07	-	.07	-	(*)	(*)
SHOULDER(S)-----	-	-	11	-	11	1	11	-	.11	.11	-	.11	-	1	1
TRUNK, NEC-----	-	-	2	-	2	1	3	-	.02	.02	.01	.03	-	5	5
THIGH-----	-	-	17	-	17	12	29	-	.18	.18	.13	.30	-	3	3
KNEE-----	-	-	5	-	5	1	6	-	.05	.05	.01	.06	-	4	4
LOWER LEG-----	-	-	21	-	21	2	23	-	.22	.22	.02	.24	-	1	1
ANKLE-----	-	-	23	-	23	5	28	-	.24	.24	.05	.29	-	4	4
FOOT-----	-	-	3	-	3	7	10	-	.03	.03	.01	.04	-	6	6
TOE(S)-----	-	-	16	-	16	7	23	.01	.17	.17	.07	.24	63	1	1
LOWER EXTREMITIES, NEC-----	-	-	5	-	5	3	9	.05	.06	.06	.03	.09	250	74	325
BODY SYSTEMS-----	1	-	35	-	37	7	48	.04	.39	.43	.01	.01	-	-	-
MULTIPLE PARTS OF BODY-----	4	-	2	-	2	1	3	-	-	-	-	-	-	-	-
UNCLASSIFIED-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	6	-	332	338	344	173	517	.06	3.53	3.59	1.80	5.39	376	153	528
OFFICE:															
ELBOW-----	-	-	-	-	-	1	1	-	-	-	.10	.10	-	(*)	(*)
BACK-----	-	-	1	-	1	1	1	-	.10	.10	-	.10	-	-	-
SHOULDER(S)-----	-	-	2	-	2	1	3	-	.20	.20	.10	.30	-	5	5
MULTIPLE PARTS OF BODY-----	-	-	2	-	3	3	6	-	.30	.30	.30	.59	-	6	6
TOTAL OR AVERAGE-----	-	-	2	3	3	3	6	-	-	-	-	-	-	-	-

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL CONTRACTOR COAL 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	PARTIAL												
GRAND TOTAL OR AVERAGE:															
EAR-----	-	-	-	3	3	3	4	-	.03	.03	.01	.04	-	(*)	(*)
EYE-----	-	-	-	23	23	23	59	-	.22	.22	.34	.56	-	(*)	(*)
JAW-----	-	-	-	1	1	1	1	-	-	-	-	-	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	7	-	.01	.01	.06	.07	-	(*)	(*)
FACE, NEC-----	-	-	-	1	1	1	1	-	.01	.01	-	.01	-	1	1
HEAD, NEC-----	-	-	-	4	4	4	9	-	.04	.04	.05	.08	-	1	1
NECK-----	-	-	-	5	5	5	8	-	.05	.05	.03	.08	-	1	1
UPPER ARM-----	-	-	-	1	1	1	1	-	.01	.01	-	.01	-	1	1
ELBOW-----	-	-	-	4	4	4	10	-	.04	.04	.06	.09	-	4	4
FOREARM-----	-	-	-	2	2	2	6	-	.02	.02	.04	.06	-	(*)	(*)
WRIST-----	-	-	-	4	4	4	10	-	.04	.04	.06	.09	-	(*)	(*)
HAND-----	-	-	-	21	21	21	37	-	.20	.20	.15	.35	-	5	5
FINGER(S)-----	-	-	-	20	20	20	57	-	.23	.23	.31	.54	-	7	7
UPPER EXTREMITIES, NEC-----	-	-	-	6	6	6	8	-	.06	.06	.02	.08	-	1	1
ABDOMEN-----	-	-	-	1	1	1	1	-	.01	.01	-	.01	-	(*)	(*)
BACK-----	-	-	-	79	79	79	91	-	.75	.75	.11	.86	-	27	27
CHEST-----	1	-	-	8	8	8	12	.01	.08	.08	.03	.11	.57	1	1
PELVIC REGION-----	-	-	-	5	5	5	5	-	.05	.05	-	.05	-	1	1
SHOULDER(S)-----	-	-	-	7	7	7	8	-	.07	.07	.01	.08	-	1	1
TRUNK, NEC-----	-	-	-	11	11	11	11	-	.10	.10	-	.10	-	(*)	(*)
THIGH-----	-	-	-	2	2	2	3	-	.02	.02	.01	.03	-	2	2
KNEE-----	-	-	-	17	17	17	29	-	.16	.16	.11	.27	-	5	5
LOWER LEG-----	-	-	-	5	5	5	5	-	.05	.05	.01	.06	-	2	2
ANKLE-----	-	-	-	21	21	21	23	-	.20	.20	.02	.22	-	4	4
FOOT-----	-	-	-	23	23	23	23	-	.22	.22	.05	.26	-	4	4
TOE(S)-----	-	-	-	3	3	3	4	-	.03	.03	.01	.04	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	-	16	16	16	23	-	.15	.15	.07	.22	-	6	6
BODY SYSTEMS-----	1	-	-	5	5	5	9	-	.01	.01	.03	.08	-	(*)	(*)
MULTIPLE PARTS OF BODY-----	4	-	-	37	39	43	51	.04	.37	.41	.08	.48	225	68	294
UNCLASSIFIED-----	-	-	-	-	-	-	1	-	-	-	.01	.01	-	-	-
TOTAL OR AVERAGE-----	6	-	6	335	341	347	523	.06	3.22	3.27	1.66	4.93	340	139	478

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL CONTRACTOR COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL					TOTAL	TEMPO- RARY	TOTAL NFDL				
TOTAL OR AVERAGE, UG:															
EYE-----	-	-	3	-	3	7	10	-	-	-	6	-	2	2	2
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	2	2	-	-	-	-	-	15	15	15
HEAD, NEC-----	-	-	1	-	1	-	1	-	-	-	15	-	30	30	30
NECK-----	-	-	1	-	1	-	1	-	-	-	30	-	30	30	30
ELBOW-----	-	-	2	-	2	1	3	-	-	-	361	-	2	2	2
WRIST-----	-	-	2	-	2	4	12	-	-	-	3	-	36	36	36
HAND-----	-	-	8	-	8	6	13	-	-	-	289	-	11	11	11
FINGER(S)-----	-	-	7	-	7	2	4	-	-	-	77	-	4	4	4
UPPER EXTREMITIES, NEC-----	-	-	2	-	2	5	2	-	-	-	9	-	77	77	77
BACK-----	-	-	20	-	20	2	25	6,000	-	-	1,534	-	2	2	2
CHEST-----	-	-	1	-	1	2	4	-	-	-	2	-	52	52	52
PELVIC REGION-----	-	-	2	-	2	2	2	-	-	-	103	-	14	14	14
SHOULDER(S)-----	-	-	3	-	3	-	3	-	-	-	41	-	2	2	2
TRUNK, NEC-----	-	-	3	-	3	-	3	-	-	-	24	-	14	14	14
KNEE-----	-	-	7	-	7	3	10	-	-	-	264	-	8	8	8
LOWER LEG-----	-	-	1	-	1	-	1	-	-	-	12	-	42	42	42
ANKLE-----	-	-	4	-	4	-	4	-	-	-	81	-	20	20	20
FOOT-----	-	-	9	-	9	3	12	-	-	-	103	-	11	11	11
TOE(S)-----	-	-	2	-	2	1	3	-	-	-	42	-	21	21	21
LOWER EXTREMITIES, NEC-----	-	-	4	-	4	1	5	-	-	-	209	-	52	52	52
BOOTS-----	-	-	1	-	1	1	2	-	-	-	17	-	37	37	37
BODY SYSTEMS-----	-	-	11	-	11	2	14	-	-	-	3,403	-	3,000	284	284
MULTIPLE PARTS OF BODY-----	-	-	12	-	12	2	14	-	-	-	6,655	-	39	39	39
TOTAL OR AVERAGE-----	1	1	94	95	96	42	138	6,000	-	-	3,555	3,000	3,000	12,655	132

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL CONTRACTOR COAL 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				TOTAL	PARTIAL	TOTAL					
															TOTAL
SURFACE MINES:															
STRIP:															
EAR:															
EYE:															
JAW:															
MOUTH/TEETH/TONGUE:															
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:															
AUGER:															
ELBOW:															
FINGER(S):															
BACK:															
LOWER EXTREMITIES, NEC:															
TOTAL OR AVERAGE:															
CULM BANK:															
ANKLE:															
TOTAL OR AVERAGE:															

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL CONTRACTOR COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL			
TOTAL OR AVERAGE, SURFACE:-----														
EAR-----	-	-	3	3	3	1	4	-	-	-	-	-	14	14
EYE-----	-	-	14	14	14	18	32	-	-	-	-	-	23	23
JAW-----	-	-	-	-	-	3	1	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	1	1	1	1	1	-	-	-	-	-	1	1
HEAD, NEC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NECK-----	-	-	2	2	2	2	2	-	-	-	-	-	18	18
UPPER ARM-----	-	-	2	2	2	3	5	-	-	-	-	-	66	66
ELBOW-----	-	-	2	2	2	4	6	-	-	-	-	-	33	33
FOREARM-----	-	-	2	2	2	2	3	-	-	-	-	-	26	26
WRIST-----	-	-	1	1	1	8	14	-	-	-	-	-	1	1
HAND-----	-	-	6	6	6	19	28	-	-	-	-	-	92	92
FINGER(S)-----	-	-	2	2	2	6	2	-	-	-	-	-	296	296
UPPER EXTREMITIES, NEC-----	-	-	31	31	31	6	37	-	-	-	-	-	76	76
BACK-----	-	-	6	6	6	1	7	-	-	-	-	-	648	648
CHEST-----	-	-	2	2	2	-	2	-	-	-	-	-	12	12
PELVIC REGION-----	-	-	3	3	3	-	3	-	-	-	-	-	59	59
SHOULDER(S)-----	-	-	7	7	7	1	8	-	-	-	-	-	16	16
TRUNK, NEC-----	-	-	6	6	6	4	10	-	-	-	-	-	65	65
THIGH-----	-	-	3	3	3	2	5	-	-	-	-	-	222	222
KNEE-----	-	-	7	7	7	1	8	-	-	-	-	-	119	119
LOWER LEG-----	-	-	3	3	3	1	4	-	-	-	-	-	161	161
ANKLE-----	-	-	7	7	7	1	8	-	-	-	-	-	17	17
FOOT-----	-	-	1	1	1	3	4	-	-	-	-	-	155	155
TOE(S)-----	-	-	4	4	4	5	9	-	-	-	-	-	21	21
LOWER EXTREMITIES, NEC-----	-	-	3	3	3	2	5	-	-	-	-	-	101	101
BODY SYSTEMS-----	1	-	8	8	9	85	220	6,000	-	-	-	-	6,001	6,001
MULTIPLE PARTS OF BODY-----	2	-	129	131	133	134	220	12,000	-	-	-	-	12,101	12,101
TOTAL OR AVERAGE-----	3	2	129	131	134	86	220	18,000	160	2,166	80	-	20,326	20,326

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL CONTRACTOR COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		TOTAL	PERMANENT	PARTIAL					TOTAL	PARTIAL	TOTAL					TEMPORARY	TOTAL NFDL
TOTAL OR AVERAGE, MINING:																	
EAR	-	-	3	17	3	1	4	-	-	-	-	14	-	5	5		
EYE	-	-	17	-	17	25	42	-	-	-	-	29	-	2	2		
JAW	-	-	-	-	-	1	6	-	-	-	-	-	-	-	-		
MOUTH/TEETH/TONGUE	-	-	-	-	-	5	2	-	-	-	-	-	-	-	-		
HEAD, NEC	-	-	1	1	2	1	4	-	-	-	-	-	-	-	-		
NECK	-	-	3	3	6	1	8	-	-	-	-	-	-	-	-		
UPPER ARM	-	-	1	4	5	4	6	-	-	-	-	-	-	-	-		
ELBOW	-	-	4	4	8	4	6	-	-	-	-	-	-	-	-		
FOREARM	-	-	2	2	4	3	6	-	-	-	-	-	-	-	-		
WRIST	-	-	3	3	6	3	26	-	-	-	-	-	-	-	-		
HAND	-	-	14	14	28	12	41	-	-	-	-	-	-	-	-		
FINGER(S)	-	-	14	16	30	25	6	-	-	-	-	-	-	-	-		
UPPER EXTREMITIES, NEC	-	-	4	4	8	2	6	-	-	-	-	-	-	-	-		
BACK	-	-	51	7	58	11	62	-	-	-	-	-	-	-	-		
CHEST	1	-	4	4	8	3	4	6,000	-	-	-	-	-	-	-		
PELVIC REGION	-	-	6	6	12	-	6	-	-	-	-	-	-	-	-		
SHOULDER(S)	-	-	10	10	20	-	10	-	-	-	-	-	-	-	-		
TRUNK, NEC	-	-	13	13	26	1	1	-	-	-	-	-	-	-	-		
THIGH	-	-	4	4	8	1	20	-	-	-	-	-	-	-	-		
KNEE	-	-	11	11	22	2	5	-	-	-	-	-	-	-	-		
LOWER LEG	-	-	16	16	32	4	13	-	-	-	-	-	-	-	-		
ANKLE	-	-	3	3	6	1	4	-	-	-	-	-	-	-	-		
FOOT	-	-	8	8	16	3	8	-	-	-	-	-	-	-	-		
TOE(S)	-	-	4	4	8	5	3	-	-	-	-	-	-	-	-		
LOWER EXTREMITIES, NEC	1	-	19	20	21	7	29	6,000	-	-	-	-	-	-	-		
BODY SYSTEMS	2	-	-	-	-	-	-	12,000	-	-	-	-	-	-	-		
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	24,000	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	4	-	223	226	230	128	358			5,821	8,981	32,961	1,053	26	143		
INDEPENDENT SHOPS:																	
HEAD, NEC	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
NECK	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-		
ANKLE	-	-	1	1	2	-	1	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	-	-	1	1	2	3	4	-	-	-	-	-	-	-	-		

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL CONTRACTOR COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	TEMPO- RARY					TOTAL NFDL	TOTAL	PARTIAL				
PROCESSING PLANTS:															
EYE-----	-	-	-	6	6	11	17	-	-	-	18	-	3	3	18
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	1	-	-	-	1	-	1	1	1
FACE, NEC-----	-	-	-	3	3	3	3	-	-	-	39	-	13	13	39
HEAD, NEC-----	-	-	-	2	2	2	2	-	-	-	10	-	5	5	10
NECK-----	-	-	-	1	1	1	1	-	-	-	6	-	6	6	6
ELBOW-----	-	-	-	7	7	7	7	-	-	-	114	-	16	16	114
WRIST-----	-	-	-	6	6	6	6	-	-	-	23	-	41	41	23
HAND-----	-	-	-	2	2	2	2	-	-	-	38	-	19	19	38
FINGER(S)-----	-	-	-	1	1	1	1	-	-	-	1	-	1	1	1
UPPER EXTREMITIES, NEC-----	-	-	-	27	27	27	28	-	-	-	634	-	23	23	634
ABDOMEN-----	-	-	-	1	1	1	1	-	-	-	9	-	9	9	9
BACK-----	-	-	-	1	1	1	1	-	-	-	7	-	7	7	7
CHEST-----	-	-	-	1	1	1	1	-	-	-	4	-	4	4	4
PELVIC REGION-----	-	-	-	1	1	1	1	-	-	-	21	-	21	21	21
SHOULDER(S)-----	-	-	-	2	2	2	2	-	-	-	6	-	3	3	6
TRUNK, NEC-----	-	-	-	4	4	4	4	-	-	-	155	-	39	39	155
THIGH-----	-	-	-	1	1	1	1	-	-	-	8	-	8	8	8
KNEE-----	-	-	-	9	9	9	9	-	-	-	194	-	22	22	194
LOWER LEG-----	-	-	-	7	7	7	7	-	-	-	153	-	22	22	153
ANKLE-----	-	-	-	8	8	8	8	-	-	-	234	-	29	29	234
FOOT-----	-	-	-	1	1	1	1	-	-	-	11	-	11	11	11
LOWER EXTREMITIES, NEC-----	-	-	-	16	16	16	16	-	-	-	3,611	-	38	38	3,611
BODY SYSTEMS-----	2	-	-	-	-	-	19	12,000	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
UNCLASSIFIED-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	2	3	108	111	113	42	155	12,000	3,185	2,414	5,589	1,062	22	156	17,589

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

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	NFIL	FATAL	PERMANENT		TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL
		TOTAL	TEMPORARY	TOTAL NFIL					TOTAL	PARTIAL				
TOTAL OR AVERAGE														
ALL MINES AND PLANTS:														
EAR	-	-	3	3	3	4	1	-	-	-	14	-	5	5
EYE	-	-	23	23	23	59	36	-	-	-	47	-	2	2
JAW	-	-	-	-	-	1	6	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	7	5	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	1	1	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	9	5	-	-	-	-	-	-	-
NECK	-	-	-	-	-	8	3	-	-	-	-	-	-	-
UPPER ARM	-	-	-	-	-	1	5	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	9	4	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	6	4	-	-	-	-	-	-	-
Wrist	-	-	-	-	-	10	6	-	-	-	-	-	-	-
HAND	-	-	-	-	-	37	16	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	57	33	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	-	8	2	-	-	-	-	-	-	-
ARM/SHOULDER	-	-	-	-	-	1	1	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	90	12	-	-	-	-	-	-	-
BACK	-	-	-	-	-	12	3	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	5	3	-	-	-	-	-	-	-
PELVIC REGION	-	-	-	-	-	7	7	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	11	1	-	-	-	-	-	-	-
TRUNK, NEC	-	-	-	-	-	3	1	-	-	-	-	-	-	-
THIGH	-	-	-	-	-	29	12	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	16	5	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	23	2	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	28	1	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	4	1	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	23	7	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	9	3	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	-	-	-	48	7	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	1	1	-	-	-	-	-	-	-
UNCLASSIFIED	-	-	-	-	-	517	173	-	-	-	-	-	-	-
TOTAL OR AVERAGE	6	6	332	338	344	517	173	36,000	-	6,345	50,640	1,058	25	147
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	1	1	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	1	1	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	3	3	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	6	3	-	-	-	-	-	-	-

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL CONTRACTOR COAL 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			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL NFDL	TOTAL NFDL				
TOTAL	PARTIAL	TOTAL	TOTAL	PARTIAL	TOTAL									
GRAND TOTAL OR AVERAGE:	6	335	341	347	176	523	36,000	6,345	8,355	14,700	1,058	25	146	
EAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JAW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NECK	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER ARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOULDER	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	6	335	341	347	176	523	36,000	6,345	8,355	14,700	1,058	25	146	

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ALL CONTRACTOR COAL 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:																
BURN/SCALD (NOT CHEM.)	-	-	2		2	-	2	-	.31	.31	-	.31	-	3	3	3
CHEMICAL BURN	-	-	2		2	-	2	-	.31	.31	-	.31	-	1	1	1
CONTUSION OR BRUISE	-	-	11		11	6	17	-	1.72	1.72	.94	2.66	-	8	8	8
CUT OR PUNCTURE	-	-	5		5	4	9	-	.78	.78	.63	1.41	-	10	10	10
DISLOCATION	-	-	2		2	2	2	-	.31	.31	-	.31	-	10	10	10
FRACTURE	-	-	7		7	5	12	-	1.09	1.09	.78	1.88	-	13	13	13
RADIATION/ULTRA VIOLET	-	-	1		1	1	1	-	.16	.16	-	.16	-	2	2	2
STRAIN/SPRAIN	-	-	20		20	2	22	-	3.13	3.13	.31	3.44	-	210	210	210
MULTIPLE INJURIES	-	-	9		9	9	9	-	1.41	1.41	-	1.41	-	60	60	60
OTHER INJURY, NEC	-	-	1		1	1	1	-	.16	.16	-	.16	-	28	28	28
UNCLASSIFIED (NO DATA)	-	-	-		-	1	1	-	-	-	-	.16	-	-	-	-
TOTAL OR AVERAGE	-	-	60		60	18	78	-	9.38	9.38	2.82	12.20	-	345	345	345
SURFACE AT UNDERGROUND:																
SURFACE AT UNDERGROUND:																
CHEMICAL BURN	-	-	-		-	2	2	-	-	-	.13	.13	-	-	-	-
CONTUSION OR BRUISE	-	-	3		3	2	2	-	.20	.20	.26	.46	-	1	1	1
CUT OR PUNCTURE	-	-	1		1	2	2	-	.07	.07	.13	.13	-	1	1	1
DUST IN EYE	-	-	1		1	1	1	-	.07	.07	-	.07	-	1	1	1
ELECTRIC SHOCK	-	-	11		11	1	11	-	.72	.72	.07	.13	-	197	197	197
ELECT. BURN (CONTACT)	-	-	1		1	1	1	-	.07	.07	-	.07	-	4	4	4
FRACTURE	-	-	1		1	1	1	-	.07	.07	.07	.07	-	-	-	-
HERNIA (NOT DISC)	-	-	1		1	1	1	-	.07	.07	.07	.13	-	(*)	(*)	(*)
POISONING (SYSTEMIC)	-	-	1		1	1	1	-	.07	.07	-	.07	-	10	10	10
RADIATION/ULTRA VIOLET	-	-	1		1	1	1	-	.07	.07	.07	.07	-	20	20	20
SCRATCH/ABRASION	-	-	9		9	5	14	-	.59	.59	.33	.92	-	20	20	20
STRAIN/SPRAIN	-	-	4		4	2	7	.07	.26	.33	.13	.45	394	10	404	404
MULTIPLE INJURIES	1	-	3		3	2	2	-	.20	.20	.13	.13	-	5	5	5
OTHER INJURY, NEC	-	-	-		-	2	2	-	-	-	-	.33	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-		-	3	3	-	-	-	-	.33	-	-	-	-
TOTAL OR AVERAGE	1	1	34		35	24	60	.07	2.30	2.36	1.58	3.94	394	292	686	686

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ALL CONTRACTOR COAL 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 INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPORARY													
			TOTAL	PARTIAL												
TOTAL OR AVERAGE, SURFACE:																
AMPUTATION/ENUCLEATION----	-	-	2	-	-	2	-	2	.02	.04	.04	-	.04	-	3	3
ASPHYXIATION/DROWNING----	1	-	-	-	-	1	-	1	-	-	.02	-	.02	110	-	110
BURN/SCALD (NOT CHEM.)----	-	-	3	3	-	3	-	3	-	.06	.06	-	.06	-	(*)	(*)
CHEMICAL BURN (NOT CHEM.)----	-	-	1	1	-	1	-	1	-	.02	.02	.02	.04	-	(*)	(*)
CONTUSION OR BRUISE----	1	-	16	17	-	17	1	25	.02	.29	.31	.22	.53	110	2	112
CUT OR PUNCTURE----	-	-	12	12	-	12	34	46	-	.22	.22	.62	.84	-	2	2
DUST IN EYE----	-	-	4	4	-	4	9	13	-	.07	.07	.17	.24	-	(*)	(*)
ELECTRIC SHOCK----	-	-	1	1	-	1	1	1	-	.02	.02	.02	.02	-	(*)	(*)
FRACTURE----	-	-	19	19	-	19	5	24	-	.35	.35	.09	.44	-	15	15
POISONING (SYSTEMIC)----	-	-	2	2	-	2	2	4	-	.04	.04	.04	.07	-	(*)	(*)
RADIATION/ULTRA VIOLET----	-	-	1	1	-	1	-	1	-	.02	.02	.02	.11	-	(*)	(*)
SCRATCH/ABRASION----	-	-	3	3	-	3	3	6	-	.06	.06	.06	.12	-	(*)	(*)
STRAIN/SPRAIN----	-	-	43	43	-	43	12	55	-	.79	.79	.22	1.01	12	12	12
MULTIPLE INJURIES----	1	-	13	13	-	14	6	20	.02	.24	.26	.11	.37	110	3	113
UNCLASSIFIED (NO DATA)----	-	-	11	11	-	11	2	13	-	.20	.20	.04	.24	-	4	4
TOTAL OR AVERAGE-----	3	-	131	129	-	134	86	220	.06	2.41	2.46	1.58	4.04	331	43	373
TOTAL OR AVERAGE, MINING:																
AMPUTATION/ENUCLEATION----	-	-	2	-	-	2	-	2	-	.03	.03	-	.03	-	2	2
ASPHYXIATION/DROWNING----	1	-	-	-	-	-	-	1	.01	-	.01	-	.01	79	-	79
BURN/SCALD (NOT CHEM.)----	-	-	5	5	-	5	3	5	-	.07	.07	.07	.08	-	(*)	(*)
CHEMICAL BURN (NOT CHEM.)----	-	-	3	3	-	3	-	3	-	.04	.04	.04	.08	-	(*)	(*)
CONTUSION OR BRUISE----	1	-	27	27	-	28	20	48	.01	.35	.37	.26	.63	79	2	81
CUT OR PUNCTURE----	-	-	20	20	-	20	42	62	-	.26	.26	.55	.82	-	3	3
DISLOCATION----	-	-	2	2	-	2	11	15	-	.03	.03	.03	.03	-	(*)	(*)
DUST IN EYE----	-	-	4	4	-	4	2	6	-	.05	.05	.14	.20	-	(*)	(*)
ELECTRIC SHOCK----	-	-	2	2	-	2	1	3	-	.03	.03	.03	.03	-	(*)	(*)
ELECT. BURN (CONTACT)----	-	-	1	1	-	1	1	2	-	.01	.01	.01	.01	-	39	39
FRACTURE----	-	-	37	37	-	37	10	47	-	.49	.49	.13	.62	-	21	21
HERNIA (NOT DISC)----	-	-	1	1	-	1	3	4	-	.01	.01	.01	.01	-	(*)	(*)
POISONING (SYSTEMIC)----	-	-	2	2	-	2	3	5	-	.03	.03	.04	.07	-	(*)	(*)
RADIATION/ULTRA VIOLET----	-	-	3	3	-	3	3	6	-	.04	.04	.01	.05	-	(*)	(*)
SCRATCH/ABRASION----	-	-	4	4	-	4	3	7	-	.05	.05	.04	.09	-	2	2
STRAIN/SPRAIN----	-	-	72	72	-	72	19	91	-	.95	.95	.25	1.20	30	30	30
MULTIPLE INJURIES----	2	-	26	26	-	28	8	36	.03	.34	.37	.11	.47	158	5	163
OTHER INJURY, NEC----	-	-	1	1	-	1	1	2	-	.01	.01	.03	.04	-	2	2
UNCLASSIFIED (NO DATA)----	-	-	14	14	-	14	3	19	-	.18	.18	.07	.25	-	4	4
TOTAL OR AVERAGE-----	4	-	226	223	-	230	128	358	.05	2.97	3.02	1.66	4.71	316	118	434
INDEPENDENT SHOPS:																
CHEMICAL BURN-----	-	-	-	-	-	-	-	1	-	45.92	45.92	45.92	45.92	-	2.755	2.755
FRACTURE-----	-	-	-	-	-	-	-	2	-	91.85	91.85	91.85	91.85	-	-	-
STRAIN/SPRAIN-----	-	-	-	-	-	-	-	4	-	45.92	45.92	45.92	45.92	-	2.755	2.755
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT ALL CONTRACTOR COAL 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 INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL NFDL												
																TOTAL
PROCESSING PLANTS:	-	-	2	-	2	-	2	-	10	10	-	10	-	9	9	
AMPUTATION/ENUCLEATION----	-	-	1	-	1	-	1	-	05	05	05	05	-	05	05	
BURN/SCALD (NOT CHEM.)----	-	-	1	-	1	-	1	-	05	05	05	05	-	05	05	
CHEMICAL BURN-----	-	-	8	-	8	-	10	10	40	51	25	76	507	5	512	
CONTUSION OR BRUISE----	2	-	16	-	16	-	16	16	81	81	25	1.62	-	9	9	
CUT OR PUNCTURE-----	-	-	1	-	1	-	1	5	05	05	15	30	-	35	35	
DUST IN EYE-----	-	-	14	-	14	-	14	3	71	71	15	86	-	1	1	
FRACTURE-----	-	-	1	-	1	-	1	1	05	05	05	05	-	05	05	
POISONING (SYSTEMIC)-----	-	-	2	-	2	-	2	1	10	10	05	15	-	05	05	
RADIATION/ULTRA VIOLET-----	-	-	1	-	1	-	1	1	05	05	05	10	-	05	05	
SCRATCH/ABRASION-----	-	-	47	-	47	-	47	3	2.38	2.38	15	2.53	-	50	50	
STRAIN/SPRAIN-----	-	-	12	-	13	-	13	3	66	66	15	81	-	168	168	
MULTIPLE INJURIES-----	-	1	1	-	1	-	1	1	05	05	20	05	-	2	2	
OTHER INJURY, NEC-----	-	-	3	-	3	-	3	4	15	15	20	35	-	6	6	
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	2	-	3	108	111	113	42	155	10	5.51	5.72	2.12	7.84	507	283	890

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

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	MFDL			TOTAL FATAL AND MFDL	NDL	TOTAL INJURIES	FATAL	MFDL	ALL FATAL AND MFDL	NDL	ALL INJURIES	FATAL	MFDL	ALL FATAL AND MFDL
		PERMANENT	TEMPORARY	TOTAL											
TOTAL OR AVERAGE	-	4	-	4	4	-	4	-	.04	.04	-	.04	-	4	4
ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	.01	.06	.01	.01	.63	(*)	63
AMPUTATION/ENUCLEATION	1	-	6	4	6	1	7	-	.06	.04	.04	.07	-	(*)	(*)
ASPHYXIATION/DROWNING	-	-	4	4	4	4	8	-	.04	.04	.26	.08	-	(*)	(*)
BURN/SCALD (NOT CHEM.)	-	-	35	36	38	25	63	.03	.37	.40	.04	.66	188	3	190
CHEMICAL BURN	3	-	36	36	36	58	94	-	.38	.38	.61	.98	-	4	4
CONTUSION OR BRUISE	-	-	2	2	2	16	21	-	.02	.02	.17	.22	-	1	1
CUT OR PUNCTURE	-	-	5	5	5	2	2	-	.05	.05	.02	.02	-	(*)	(*)
DISLOCATION	-	-	2	2	2	1	1	-	.02	.02	.01	.01	-	31	31
DUST IN EYE	-	-	1	1	1	1	2	-	.01	.01	.14	.68	-	24	24
ELECTRIC SHOCK	-	-	52	52	52	13	65	-	.54	.54	.01	.01	-	1	1
ELECT. BURN (CONTACT)	-	1	-	-	-	-	-	-	.01	.01	.03	.06	-	(*)	(*)
FRACTURE	-	-	3	3	3	3	6	-	.03	.03	.02	.07	-	(*)	(*)
HERNIA (NOT DISC)	-	-	5	5	5	4	9	-	.05	.05	.04	.09	-	2	2
POISONING (SYSTEMIC)	-	-	5	5	5	24	143	-	1.24	1.24	.25	1.45	125	34	34
RADIATION/ULTRA VIOLET	-	-	119	119	119	11	52	.02	.41	.43	.11	.54	-	42	167
SCRATCH/ABRASION	-	-	38	39	41	2	4	-	.02	.02	.02	.04	-	2	2
STRAIN/SPRAIN	2	1	2	2	2	5	26	-	.02	.02	.18	.27	-	5	5
MULTIPLE INJURIES	-	-	17	17	17	173	517	.06	3.53	3.59	1.80	5.39	376	153	528
OTHER INJURY, NEC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	6	5	332	338	344	173	517	.06	3.53	3.59	1.80	5.39	376	153	528
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE	-	-	-	-	-	1	1	-	-	-	.10	.10	-	2	2
RADIATION/ULTRA VIOLET	-	-	1	1	1	-	1	-	.10	.10	-	.20	-	4	4
STRAIN/SPRAIN	-	-	2	2	2	-	2	-	.20	.20	.10	.10	-	-	-
MULTIPLE INJURIES	-	-	-	-	-	1	1	-	-	-	.10	.10	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	.30	.59	-	6	6
TOTAL OR AVERAGE	-	-	3	3	3	3	6	-	.30	.30	.30	.59	-	6	6

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT ALL CONTRACTOR COAL 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
-	-	4	-	4	-	4	-	.04	-	.04	-	-	3	3			
1	-	-	-	1	-	1	-	.01	-	.01	-	.01	57	-	57		
-	-	-	6	6	1	7	7	-	.05	.06	.01	.07	-	(*)	(*)		
-	-	-	4	4	4	8	8	-	.04	.04	.04	.08	-	(*)	(*)		
3	-	-	35	38	25	63	63	.03	.33	.35	.24	.59	170	2	172		
-	-	-	36	36	55	91	91	-	.34	.34	.56	.50	3	3	3		
-	-	-	2	2	2	4	4	-	.02	.02	.15	.02	1	1	1		
-	-	-	5	5	16	21	21	-	.05	.05	.15	.20	-	(*)	(*)		
-	-	-	2	2	2	4	4	-	.02	.02	.01	.02	-	(*)	(*)		
-	-	-	2	2	2	4	4	-	.01	.01	.12	.61	-	28	28		
-	-	1	-	52	13	65	65	-	.49	.49	.12	.61	-	22	22		
-	-	-	1	1	1	2	2	-	.01	.01	-	.01	-	1	1		
-	-	-	52	52	3	55	55	-	.01	.01	.93	.06	-	(*)	(*)		
-	-	-	3	3	3	6	6	-	.03	.03	.02	.08	-	(*)	(*)		
-	-	-	6	6	2	8	8	-	.06	.06	.04	.08	-	2	2		
-	-	-	5	5	4	9	9	-	.05	.05	.23	1.37	-	31	31		
-	-	-	121	121	24	145	145	-	1.14	1.14	.11	.50	113	38	151		
-	-	-	41	41	12	53	53	.02	.37	.39	.02	.04	-	2	2		
2	-	1	2	2	2	4	4	-	.02	.02	.09	.25	-	4	4		
-	-	-	17	17	10	27	27	-	.15	.15	-	-	-	4	4		
-	-	-	341	347	176	523	523	.06	3.22	3.27	1.66	4.93	340	139	478		
6	-	6	335	347	176	523	523	.06	3.22	3.27	1.66	4.93	340	139	478		
TOTAL OR AVERAGE																	

TABLE 11. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1969

WORK LOCATION AND NATURE OF INJURY	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	
		TOTAL	PARTIAL	TEMPO-RARY					TOTAL MFDL	PERMANENT	TEMPO-RARY					TOTAL MFDL
UNDERGROUND MINES:																
UNDERGROUND:																
BURN/SCALD (NOT CHEM.)	-	2	-	2	2	-	2	-	-	-	-	20	-	10	10	
CHEMICAL BURN	-	2	-	11	11	-	17	-	-	-	-	5	-	2	2	
CONTUSION OR BRUISE	-	5	-	2	7	-	9	-	-	-	-	65	-	13	13	
CUT OR PUNCTURE	-	2	-	2	4	-	2	-	-	-	-	64	-	32	32	
DISLOCATION	-	7	-	7	14	-	12	-	-	-	-	80	-	11	11	
FRACTURE	-	1	-	1	2	-	1	-	-	-	-	10	-	10	10	
RADIATION/ULTRA VIOLET	-	20	-	9	29	-	22	-	-	-	-	1,344	-	57	57	
STRAIN/SPRAIN	-	9	-	9	18	-	9	-	-	-	-	382	-	42	42	
MULTIPLE INJURIES	-	1	-	1	2	-	1	-	-	-	-	182	-	182	182	
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	60	-	60	60	18	78	-	-	-	-	2,206	-	37	37	
SURFACE AT UNDERGROUND:																
CHEMICAL BURN	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
CONTUSION OR BRUISE	-	-	-	3	3	-	2	-	-	-	-	-	-	-	-	
CUT OR PUNCTURE	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
DUST IN EYE	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	
ELECTRIC SHOCK	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
ELECT. BURN (CONTACT)	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
FRACTURE	-	1	-	1	2	-	1	-	-	-	-	17	-	17	17	
HERNIA (NOT DISC)	-	11	-	11	22	-	11	-	-	-	-	3,000	-	3,000	3,000	
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SCALD/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN	-	9	-	9	18	-	14	-	-	-	-	159	-	159	159	
MULTIPLE INJURIES	1	4	-	4	5	-	7	6,000	-	-	-	301	-	31	31	
OTHER INJURY, NEC	-	3	-	3	6	-	2	-	-	-	-	148	-	148	148	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	1	34	1	34	35	24	60	6,000	-	-	-	4,449	3,000	43	290	

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

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST HOURS				AVERAGE SEVERITY				
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIDL	
		PERMANENT	TEMPORARY					TOTAL	PERMANENT	TEMPORARY					TOTAL NFIDL
			TOTAL	PARTIAL											
TOTAL OR AVERAGE, U.S.:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHEMICAL BURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONTUSION OR BRUISE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DISLOCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ELECTRIC SHOCK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ELECT. BURN (CONTACT)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HERNIA (NOT DISC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SCRATCH/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	1	-	94	1	96	138	42	5,000	3,000	3,655	6,655	12,655	3,000	39	132
SURFACE MINES:															
STRIP:															
AMPUTATION/ENUCLEATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASPHYXIATION/DROWNING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEMICAL BURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRIC SHOCK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	3	-	125	2	130	214	84	18,000	160	2,110	2,270	20,270	80	17	156
ALLEGES:															
CONTUSION OR BRUISE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL BANK:															
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 ALL CONTRACTOR COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL			PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	TEMPO-RARY					TOTAL	PARTIAL	TEMPO-RARY				TOTAL NFDL
TOTAL OR AVERAGE, SURFACE: AMPUTATION/ENGULFMENT----- ASPHYXIATION/CHOKING----- BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DUST IN EYE----- ELECTRIC SHOCK----- FRACTURE----- POISONING (SYSTEMIC)----- RADIATION/ULTRA VIOLET----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	1 - - 1 1 - - - - - - - - - - - 3	- 2 - 3 16 4 4 1 2 1 3 43 13 11 - - 2	2 3 1 17 12 4 1 19 2 1 3 43 14 11 131 129	2 1 3 1 12 4 1 19 2 1 3 43 14 11 134 131	- - - 12 34 9 - 5 2 3 12 6 2 85	2 1 3 26 46 13 1 24 4 1 6 55 20 13 220	6,000 - - 6,000 - - - - - - - 6,000 - - 18,000	- - - - - - - - - - - - - - 160	- 14 2 112 106 8 12 840 9 1 10 641 172 239 2,166 2,326	80 - - - - - - - - - - - - - 80	160 6,000 14 2 6,112 106 8 12 840 9 1 10 641 172 239 2,326 2,326	80 5,000 2 360 9 2 12 44 4 1 3 15 13 22 17 152			
TOTAL OR AVERAGE, MINING: AMPUTATION/ENGULFMENT----- ASPHYXIATION/CHOKING----- BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- DUST IN EYE----- ELECTRIC SHOCK----- ELECT. BURN (CONTACT)----- FRACTURE----- HERNIA (NOT DISC)----- POISONING (SYSTEMIC)----- RADIATION/ULTRA VIOLET----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	1 1 - 1 1 - - - - - - - - - 2 - 4	- 2 5 3 27 20 2 4 2 1 37 1 2 3 4 72 26 1 14 226	2 5 3 27 20 2 4 2 1 37 2 3 4 72 26 1 14 223	2 1 5 3 28 20 2 4 2 2 37 1 2 3 4 72 26 1 14 226	- - - 3 48 62 2 15 2 2 10 47 1 3 3 19 8 2 5 128	2 1 5 6 48 62 2 15 2 2 47 1 5 4 7 91 36 3 19 358	6,000 - - 6,000 - - - - - - - - - - - 12,000 - 24,000	- 							

TABLE 11. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ALL CONTRACTOR COAL 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	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 FATAL AND NFDL				
-	-	2	-	2	-	2	-	-	-	185	-	92	-	1	92
-	-	1	-	1	-	1	-	-	-	1	-	1	-	1	1
-	-	1	-	1	-	1	-	-	-	3	-	-	-	3	3
-	-	8	-	8	-	8	-	-	-	91	-	-	-	11	1,209
2	-	16	-	16	-	16	12,000	-	-	178	12,091	-	-	2	2
-	-	1	-	1	-	1	-	-	-	2	2	-	-	49	11
-	-	14	-	14	-	14	-	-	-	687	687	-	-	11	2
-	-	1	-	1	-	1	-	-	-	11	11	-	-	2	1
-	-	2	-	2	-	2	-	-	-	3	3	-	-	2	1
-	-	1	-	1	-	1	-	-	-	1	1	-	-	21	2
-	-	47	-	47	-	47	-	-	-	991	991	-	-	1	1
-	-	13	-	13	-	13	-	-	-	3,289	3,289	3,000	-	24	253
-	-	1	-	1	-	1	-	-	-	30	30	-	-	30	30
-	-	3	-	3	-	3	-	-	-	127	127	-	-	42	42
2	-	108	-	111	-	113	12,000	-	3,185	-	2,414	17,599	1,067	22	156
TOTAL OR AVERAGE-----															

TABLE 11. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ALL CONTRACTOR COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		TOTAL	PARTIAL	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL						
												PERMANENT				TOTAL	PARTIAL
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ALL MINES AND PLANTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMPUTATION/AMPUTATION	1	4	-	4	4	-	4	6,000	-	345	-	86	-	345	86		
ASPHYXIATION/ASPHYXIATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5		
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
CHEMICAL BURN	3	-	-	-	-	-	-	18,000	-	-	-	-	-	-	480		
CONTUSION OR BRUISE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7		
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10		
DISLOCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32		
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
ELECTRIC SHOCK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14		
ELECT. BURN (CONTACT)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,000		
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45		
HERNIA (NOT DISC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68		
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7		
RADIATION/ALTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
SCALD/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34		
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28		
MULTIPLE INJURIES	2	-	-	-	-	-	-	12,000	-	-	-	-	-	-	350		
OTHER INJURY, NEC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106		
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26		
TOTAL OR AVERAGE	6	6	332	338	344	173	517	36,000	6,345	14,540	1,058	25	50,640	1,058	147		
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19		
RADIATION/ALTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20		
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	-	-	3	3	3	3	6	-	-	60	-	-	60	-	20		

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

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL	
		TOTAL	PERMANENT	PARTIAL				TOTAL	TEMPORARY	TOTAL NFIL					
1	4	4	4	4	4	6,000	345	-	-	345	86	-	86		
-	-	-	-	-	-	6,000	-	-	-	-	-	-	6,000		
-	-	-	-	-	-	18,000	-	-	-	-	-	-	480		
3	-	-	-	-	-	-	-	-	-	-	-	-	10		
-	-	-	-	-	-	-	-	-	-	-	-	-	32		
-	-	-	-	-	-	-	-	-	-	-	-	-	2		
-	-	-	-	-	-	-	-	-	-	-	-	-	14		
-	-	-	-	-	-	-	-	-	-	-	-	-	3,000		
-	-	-	-	-	-	-	-	-	-	-	-	-	45		
-	-	-	-	-	-	-	-	-	-	-	-	-	68		
-	-	-	-	-	-	-	-	-	-	-	-	-	7		
-	-	-	-	-	-	-	-	-	-	-	-	-	6		
-	-	-	-	-	-	-	-	-	-	-	-	-	34		
-	-	-	-	-	-	-	-	-	-	-	-	-	27		
-	-	-	-	-	-	-	-	-	-	-	-	-	390		
2	-	-	-	-	-	12,000	3,000	-	-	3,318	3,000	-	106		
-	-	-	-	-	-	-	-	-	-	212	-	-	26		
-	-	-	-	-	-	-	-	-	-	444	-	-	106		
-	-	-	-	-	-	-	-	-	-	8,355	-	-	25		
6	6	341	347	335	347	36,000	5,345	-	-	14,700	1,058	-	146		
GRAND TOTAL OR AVERAGE:															
AMPUTATION/AMPUTATION															
ASPHYXIATION/ASPHYXIATION															
BURN/SCALD (NOT CHEM.)															
CHEMICAL BURN															
CONTUSION OR BRUISE															
CUT OR PUNCTURE															
DISLOCATION															
DUST IN EYE															
ELECTRIC SHOCK															
ELECT. BURN (CONTACT)															
FRACTURE															
HEMIA (NOT DISC)															
POISONING (SYSTEMIC)															
RADIATION/ULTRA VIOLET															
SCALD/SCALD															
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 ALL CONTRACTOR COAL 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 NFDL	TEMPO- RARY	TOTAL NFDL								
																TOTAL	PARTIAL	TOTAL	PARTIAL
EAR: BURN/SCALD (NOT CHEM.)----- CUT OR PUNCTURE----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	-	-	2	2	2	-	2	-	-	-	13	13	-	6	6				
EYE: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CUT OR PUNCTURE----- DUST IN EYE----- RADIATION/ULTRA VIOLET----- SCRATCH/ABRASION----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	-	-	1	1	1	-	1	-	-	-	3	3	-	3	3				
JAW: CUT OR PUNCTURE----- TOTAL OR AVERAGE-----	-	-	3	3	3	12	19	-	-	-	15	15	-	2	2				
MOUTH/TEETH/TONGUE: CUT OR PUNCTURE----- FRACTURE----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	-	-	5	5	5	16	21	-	-	-	10	10	-	1	1				
FACE, NEC: RADIATION/ULTRA VIOLET----- TOTAL OR AVERAGE-----	-	-	3	3	3	3	6	-	-	-	4	4	-	5	5				
HEAD, NEC: CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	-	-	1	1	1	2	2	-	-	-	5	5	-	2	2				
	-	-	23	23	23	36	59	-	-	-	47	47	-	47	47				
	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-				
	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-				
	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-				
	-	-	1	1	1	6	7	-	-	-	1	1	-	1	1				
	-	-	1	1	1	-	1	-	-	-	1	1	-	1	1				
	-	-	1	1	1	-	1	-	-	-	1	1	-	1	1				
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	-	-	4	4	4	5	9	-	-	-	54	54	-	14	14				

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ALL CONTRACTOR COAL 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		
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL						
NECK: STRAIN/SPRAIN----- TOTAL OR AVERAGE-----	- - -	- - -	5 5 5	5 5 5	5 5 5	3 3 3	8 8 8	- - -	- - -	- - -	58 58 58	58 58 58	- - -	12 12 12	12 12 12	66 66 66	
UPPER ARM: FRACTURE----- TOTAL OR AVERAGE-----	- - -	- - -	1 1 1	1 1 1	1 1 1	- - -	1 1 1	- - -	- - -	- - -	66 66 66	66 66 66	- - -	66 66 66	66 66 66	2 2 2	
ELBOW: CONTUSION OR BRUISE----- FRACTURE----- STRAIN/SPRAIN----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - -	- - - - - -	1 3 - - 4	1 3 - - 4	1 3 - - 4	2 - 2 - 6	3 3 2 2 10	- - - - -	- - - - -	- - - - -	2 392 - - 394	2 392 - - 394	- - - - -	2 131 - - 98	2 131 - - 98	23 3 13	
FOREARM: CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- STRAIN/SPRAIN----- TOTAL OR AVERAGE-----	- - - - - -	- - - - - -	- 1 1 2 1 4	- 1 1 2 1 4	- 1 1 2 1 4	1 - 1 4 - 6	1 1 4 6	- - - - -	- - - - -	- - - - -	- - - - -	1 - - - -	1 - - - -	1 - - - -	1 - - - -	1 - - - -	1 - - - -
WRIST: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- STRAIN/SPRAIN----- TOTAL OR AVERAGE-----	- - - - - -	- - - - - -	1 - - 2 1 4	1 - - 2 1 4	1 - - 2 1 4	1 1 1 2 6	2 1 1 3 10	- - - - -	- - - - -	- - - - -	1 - - - -	1 - - - -	1 - - - -	1 - - - -	1 - - - -	1 - - - -	1 - - - -
HAND: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- TOTAL OR AVERAGE-----	- - - - - - - - -	- - - - - - - - -	1 1 7 6 1 3 1 21	1 1 7 6 1 3 1 21	1 1 7 6 1 3 1 21	5 11 - - - - 16	1 6 18 6 1 1 3 37	- - - - - -	- - - - - -	- - - - - -	1 6 47 166 8 21 64 182 495	1 6 47 166 8 21 64 182 495	- - - - - -	1 6 7 28 8 21 21 182 24	1 6 7 28 8 21 21 182 24	1 6 7 28 8 21 21 182 24	

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ALL CONTRACTOR COAL 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		
		PERMANENT	TEMPO- RARY		TOTAL NFDL					TEMPO- RARY	TOTAL NFDL							
			TOTAL	PARTIAL								TOTAL					PARTIAL	
-	-	4	4	4	4	4	4	-	-	-	345	-	86	-	345	86	345	
-	-	-	2	2	2	2	2	-	-	-	-	25	-	-	-	25	-	25
-	-	-	8	8	8	8	8	-	-	-	-	110	-	-	-	110	-	110
-	-	-	4	4	4	4	4	-	-	-	-	20	-	-	-	20	-	20
-	-	-	1	1	1	1	1	-	-	-	-	89	-	-	-	89	-	89
-	-	-	3	3	3	3	3	-	-	-	-	72	-	-	-	72	-	72
-	-	-	2	2	2	2	2	-	-	-	-	37	-	-	-	37	-	37
-	-	-	24	24	24	24	24	-	-	-	-	698	-	86	-	698	18	29
-	-	-	4	20	24	33	57	-	-	-	-	353	-	86	-	698	18	29
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY
AT ALL CONTRACTOR TOTAL 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
		PERMANENT	TOTAL						TOTAL	PARTIAL	TOTAL NFDL				
			TOTAL	PARTIAL											
SHOULDER(S):	-	-	1	1	1	-	1	-	-	-	5	-	5	5	
CONTUSION OR BRUISE	-	-	3	3	3	-	3	-	-	-	60	-	20	20	
CUT OR PUNCTURE	-	-	3	3	3	-	3	-	-	-	39	-	13	13	
FRACTURE	-	-	7	7	7	-	7	-	-	-	104	-	15	15	
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRUNK, NEC:	-	-	3	3	3	-	3	-	-	-	3	-	1	1	
CONTUSION OR BRUISE	-	-	1	1	1	-	1	-	-	-	21	-	21	21	
FRACTURE	-	-	3	3	3	-	3	-	-	-	11	-	4	4	
STRAIN/SPRAIN	-	-	2	2	2	-	2	-	-	-	5	-	2	2	
MULTIPLE INJURIES	-	-	11	11	11	-	11	-	-	-	21	-	10	10	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	61	-	6	6	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
THIGH:	-	-	2	2	2	-	2	-	-	-	6	-	3	3	
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MULTIPLE INJURIES	-	-	2	2	2	-	2	-	-	-	6	-	3	3	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KNEE:	-	-	1	1	1	-	1	-	-	-	4	-	4	4	
CONTUSION OR BRUISE	-	-	1	1	1	-	1	-	-	-	10	-	10	10	
CUT OR PUNCTURE	-	-	2	2	2	-	2	-	-	-	64	-	32	32	
DISLOCATION	-	-	10	10	10	-	10	-	-	-	401	-	40	40	
STRAIN/SPRAIN	-	-	1	1	1	-	1	-	-	-	4	-	4	4	
MULTIPLE INJURIES	-	-	2	2	2	-	2	-	-	-	31	-	16	16	
UNCLASSIFIED (NO DATA)	-	-	17	17	17	-	17	-	-	-	514	-	30	30	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LOWER LEG:	-	-	2	2	2	-	2	-	-	-	15	-	8	8	
CONTUSION OR BRUISE	-	-	2	2	2	-	2	-	-	-	212	-	106	106	
FRACTURE	-	-	1	1	1	-	1	-	-	-	15	-	15	15	
UNCLASSIFIED (NO DATA)	-	-	5	5	5	-	5	-	-	-	242	-	48	48	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANKLE:	-	-	5	5	5	-	5	-	-	-	286	-	57	57	
FRACTURE	-	-	15	15	15	-	15	-	-	-	132	-	9	9	
STRAIN/SPRAIN	-	-	1	1	1	-	1	-	-	-	36	-	36	36	
UNCLASSIFIED (NO DATA)	-	-	21	21	21	-	21	-	-	-	454	-	22	22	
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 ALL CONTRACTOR COAL 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
		PERMANENT	TOTAL						TEMPO- RARY	TOTAL NFDL					
			TOTAL	PARTIAL											
FOOT: CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE ELECT. BURN (CONTACT) FRACTURE STRAIN/SPRAIN UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - -	- - - - - - - -	1 7 3 8 3 1 23	- 2 1 1 1 - 5	1 7 3 5 1 1 23	- - - - - -	1 9 4 1 5 3 28	- - - - - - -	- - - - - - -	3 20 77 273 16 28 417	3 20 77 273 16 28 417	- - - - - - -	3 3 25 34 5 28 18	- - - - - - -	3 3 25 34 5 28 18
TOE(S): CONTUSION OR BRUISE FRACTURE MULTIPLE INJURIES TOTAL OR AVERAGE	- - - - -	- - - - -	- 2 1 3	1 - - 1	- 2 1 3	- - - -	1 2 1 4	- - - -	- - - -	- 48 11 59	- 48 11 59	- - - -	- 24 11 20	- - - -	- 24 11 20
LOWER EXTREMITIES, NEC: CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - -	- - - - - -	7 4 3 2 16	2 3 3 1 7	7 4 3 2 16	- - - - -	9 7 3 3 23	- - - - -	- - - - -	84 92 321 101 598	84 92 321 101 598	- - - - -	12 23 107 50 37	- - - - -	12 23 107 50 37
BODY SYSTEMS: ASPHYXIATION/DROWNING ELECTRIC SHOCK POISONING (SYSTEMIC) TOTAL OR AVERAGE	1 - - - 1	- - - -	- 2 3 5	- 3 3 3	1 2 3 5	- - - -	1 2 6 9	6,000 - - 6,000	- - - -	- 25 20 49	6,000 25 20 49	- - - -	6,000 14 7 1,008	- - - -	- 14 7 1,008
MULTIPLE PARTS OF BODY: BURN/SCALD (NOT CHEM.) CONTUSION OR BRUISE CUT OR PUNCTURE ELECT. BURN (CONTACT) FRACTURE RADIATION/ULTRA VIOLET SCALD/ABRASION STRAIN/SPRAIN TOTAL OR AVERAGE	- 3 - - - - - - - 4	- - - - - - - - -	1 4 1 1 2 2 5 20 2 39	- 1 1 1 1 1 1 1 1 2	1 7 1 1 2 1 6 21 2 43	- - - - - - - - -	1 8 1 2 2 7 24 51	18,000 - - - - - - 6,000 - 24,000	- - - - - - - - -	17 18,039 3,000 127 25 159 208 3,484 106 7,170	17 18,039 3,000 127 25 159 208 3,484 106 7,170	- - - - - - - - -	17 10 1 1 127 14 159 208 452 53 32	- - - - - - - - -	17 2,577 3,000 127 14 159 208 452 53 32

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

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	MIDL			TOTAL FATAL AND MIDL	MIDL	TOTAL INJURIES	FATAL	MIDL			TOTAL FATAL AND MIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MIDL	
		TOTAL	PERMANENT						TOTAL	TEMPO- RARY	TOTAL MIDL					
			TOTAL	PARTIAL												
UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
TOTAL OR AVERAGE-----	1	4	4	4	4	4	6,000	345	-	345	345	86	-	-	86	6
ASPHALTATION/PAVING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BURN/SCALD (HOT LIQ.)-----	-	5	5	5	5	5	-	-	-	-	-	-	-	-	-	-
CHEMICAL BURN-----	-	4	4	4	4	4	-	-	-	-	-	-	-	-	-	-
CONCUSSION OR BRUISE-----	3	35	36	36	36	36	18,000	-	-	-	-	-	-	-	-	490
CUT OR PUNCTURE-----	-	36	36	36	36	36	-	-	-	-	-	-	-	-	-	10
DISLOCATION-----	-	2	2	2	2	2	-	-	-	-	-	-	-	-	-	32
DUST IN EYE-----	-	5	5	5	5	5	-	-	-	-	-	-	-	-	-	2
ELECTRIC SHOCK-----	-	2	2	2	2	2	-	-	-	-	-	-	-	-	-	14
ELECT. BURN (CONTACT)-----	-	1	1	1	1	1	-	3,000	-	3,000	3,000	3,000	-	-	3,000	45
FRACTURE-----	-	52	52	52	52	52	-	-	-	-	-	-	-	-	-	68
HERNIA (NOT DIST.)-----	-	1	1	1	1	1	-	-	-	-	-	-	-	-	-	7
POISONING (SYSTEMIC)-----	-	3	3	3	3	3	-	-	-	-	-	-	-	-	-	5
RADIATION/ULTRA VIOLET-----	-	3	3	3	3	3	-	-	-	-	-	-	-	-	-	5
SCALD/ABRASION-----	-	121	121	121	121	121	-	-	-	-	-	-	-	-	-	34
STRAIN/SPRAIN-----	-	38	39	39	39	39	-	-	-	-	-	-	-	-	-	34
MULTIPLE INJURIES-----	2	2	2	2	2	2	12,000	-	-	-	-	-	-	-	-	27
OTHER INJURY, NEC-----	-	17	17	17	17	17	-	-	-	-	-	-	-	-	-	444
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	6	341	347	347	347	347	36,000	8,355	-	8,355	14,700	1,058	-	1,058	146	25

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL 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:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE AT UG:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL UNDERGROUND:	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	15	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL 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
UNDERGROUND MINES:																						
UNDERGROUND:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3
KENTUCKY	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	5
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	3
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
WEST VIRGINIA	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	2
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	18
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	18
BITUMINOUS	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE AT UG:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2
KENTUCKY	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
WEST VIRGINIA	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	2
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	24
ANTHRACITE	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
BITUMINOUS	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL UNDERGROUND:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-
KENTUCKY	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	7
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	8
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	7
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
WEST VIRGINIA	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	42
ANTHRACITE	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96	65
BITUMINOUS	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINES AND PLANTS:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	10	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	24	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	24	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND TYPE FOR WORK LOCATION AND STATE AT ALL CONTRACTS OF COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BLOWING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR CHAMBER		FALL OF ROOF UNDERGROUND MINES ONLY		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL
OFFICE:																						
PENNSYLVANIA:																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
VIRGINIA:																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
TOTAL:																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
GROUND TOTAL:																						
ALABAMA:																						
ARIZONA:																						
COLORADO:																						
ILLINOIS:																						
INDIANA:																						
KENTUCKY:																						
LOUISIANA:																						
MARYLAND:																						
MONTANA:																						
NEV. MEXICO:																						
NORTH DAKOTA:																						
OHIO:																						
PENNSYLVANIA:																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
TEXAS:																						
UTAH:																						
VIRGINIA:																						
WASHINGTON:																						
WEST VIRGINIA:																						
WYOMING:																						
TOTAL:																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						

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

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		FLOODING		MACHINERY		SLIP OR FALL OF PERSON		STEERING OR KICKING 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
UNDERGROUND MINES:																				
UNDERGROUND:																				
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	241	177
COLORADO	-	-	-	-	-	-	-	-	283	150	-	149	-	-	-	-	-	-	15	375
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	44
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	612	612
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	410	410
ALL COAL	-	-	-	-	-	-	-	-	283	150	-	149	-	-	-	-	-	-	324	8
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOTHING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	283	150	-	149	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,206	2,206
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE AT LE:																				
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	123
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	123	156
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	40
MONTANA	6,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	3
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	9
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	169	169
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,142	779
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,443	4,443
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL UNDERGROUND:																				
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	262	177
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	130
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	941	40
KENTUCKY	6,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	47
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	53
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	761	761
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,552	3,552
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,103	8
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOTHING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	6,000
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OF SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONFACED HAULAGE	
	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL
SURFACE MINES:																						
STRIP:																						
ARIZONA:																						
INDIANA:																						
KENTUCKY:																						
LOUISIANA:																						
KENTUCKY:																						
NEW MEXICO:																						
NORTH DAKOTA:																						
OHIO:																						
PENNSYLVANIA:																						
ANTHRACITE:																						
BITUMINOUS:																						
ALL COAL:																						
TEXAS:																						
VIRGINIA:																						
WEST VIRGINIA:																						
WYOMING:																						
TOTAL:																						
ANTHRACITE:																						
BITUMINOUS:																						
ALL COAL:																						
ALABAMA:																						
PENNSYLVANIA:																						
ANTHRACITE:																						
BITUMINOUS:																						
ALL COAL:																						
WEST VIRGINIA:																						
TOTAL:																						
ANTHRACITE:																						
BITUMINOUS:																						
ALL COAL:																						
DELAWARE:																						
PENNSYLVANIA:																						
ANTHRACITE:																						
BITUMINOUS:																						
ALL COAL:																						
TOTAL:																						
ANTHRACITE:																						
BITUMINOUS:																						
ALL COAL:																						

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL 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		NONFACED BRUISE	
	FTL	MED	FTL	MED	FTL	MED	FTL	MED	FTL	MED	FTL	MED	FTL	MED	FTL	MED	FTL	MED	FTL	MED	FTL	MED
TOTAL SURFACE:																						
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	12	12																				
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINING:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	3,009	28			17	17					284	284	204	204	3	3	107	107	277	277	28	28
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDEPENDENT SHOPS:																						
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	3,029	28			17	17					284	284	204	204	3	3	107	107	277	277	28	28
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL CONTRACTIONS COAL OPERATIONS IN THE UNITED STATES, 1995 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPROVEMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL	FTL	MEDL
TOTAL SURFACE:																						
ARIZONA	-	-	-	-	-	-	-	-	-	-	143	-	-	-	-	-	-	-	-	-	49	-
INDIANA	-	-	-	-	-	-	-	-	-	-	53	-	-	-	-	-	-	-	-	-	55	-
KENTUCKY	-	96	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	130	-
LOUISIANA	6,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	288	-
OHIO	-	79	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	151	-
PENNSYLVANIA:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	47	-	-	-	-	-	-	-	-	-	130	-
BITUMINOUS	6,000	-	-	-	-	-	-	-	-	-	47	-	-	-	-	-	-	-	-	-	281	-
ALL COAL	6,000	-	-	-	-	-	-	-	-	-	94	-	-	-	-	-	-	-	-	-	5,000	-
TEXAS	6,000	6	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	231	-
VIRGINIA	6,000	87	-	-	-	-	-	-	-	-	78	-	-	-	-	-	-	-	-	-	415	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	176	-
WORKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	18,000	268	-	-	-	-	-	-	-	-	446	-	-	-	-	-	-	-	-	-	151	-
ANTHRACITE	18,000	268	-	-	-	-	-	-	-	-	446	-	-	-	-	-	-	-	-	-	2,175	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,326	-
TOTAL MINING:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	292	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	45	-
COLORADO	-	-	-	-	-	-	-	-	-	-	109	-	-	-	-	-	-	-	-	-	177	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	138	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-
KENTUCKY	5,000	210	-	-	-	-	-	-	-	-	293	-	-	-	-	-	-	-	-	-	1,154	-
LOUISIANA	6,000	-	-	-	-	-	-	-	-	-	53	-	-	-	-	-	-	-	-	-	130	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	40	-
MONTANA	-	35	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	23	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
OHIO	-	79	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	268	-
PENNSYLVANIA:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	47	-	-	-	-	-	-	-	-	-	157	-
BITUMINOUS	6,000	-	-	-	-	-	-	-	-	-	47	-	-	-	-	-	-	-	-	-	177	-
ALL COAL	6,000	-	-	-	-	-	-	-	-	-	94	-	-	-	-	-	-	-	-	-	334	-
TEXAS	6,000	5	-	-	-	-	-	-	-	-	27	-	-	-	-	-	-	-	-	-	271	-
UTAH	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-	-	-	-	-	781	-
VIRGINIA	6,000	35	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	-	3,332	-
WEST VIRGINIA	-	264	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	1,512	-
WORKING	-	-	-	-	-	-	-	-	-	-	78	-	-	-	-	-	-	-	-	-	164	-
TOTAL:	24,000	629	-	-	-	-	-	-	-	-	806	-	-	-	-	-	-	-	-	-	157	-
ANTHRACITE	24,000	629	-	-	-	-	-	-	-	-	806	-	-	-	-	-	-	-	-	-	8,824	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,501	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	157	-
INDEPENDENT SHOPS:																						
INDIANA:	-	-	-	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-	-	-	60	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-	-	-	60	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1985 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRANCE		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREWING AGENT		FALLING BODY OR SLIDING MATERIAL		FALL OF FACE OR SLIDE OF HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDICAP		UNREPORTED DAMAGE	
	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL
PROCESSING PLANTS																						
COLORADO																						
ILLINOIS																						
INDIANA																						
KENTUCKY																						
MARYLAND																						
OHIO																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
TEXAS																						
VIRGINIA																						
WEST VIRGINIA																						
WYOMING																						
TOTAL																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
TOTAL MINES AND PLANTS																						
ALABAMA																						
ARIZONA																						
COLORADO																						
ILLINOIS																						
INDIANA																						
KENTUCKY																						
LOUISIANA																						
MARYLAND																						
MONTANA																						
NEW MEXICO																						
NORTH DAKOTA																						
OHIO																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
TEXAS																						
UTAH																						
VIRGINIA																						
WEST VIRGINIA																						
WYOMING																						
TOTAL																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
OFFICE																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
VIRGINIA																						
WEST VIRGINIA																						
WYOMING																						
TOTAL																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL 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:																						
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	16
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,570	49
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	223
MARYLAND-----	-	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	43
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	273	273
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	316	316
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	30
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	466	466
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	871	871
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	49
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	43
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,556	5,556
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,000	12,000
TOTAL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	262	262
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	49
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	186	186
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	154	154
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	115	115
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	6,000
LOUISIANA-----	-	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,724	4,724
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	130
MONTANA-----	-	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	89
NEVADA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	23
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	44
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	511	511
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	200
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450	450
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	650	650
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	261	261
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	781	781
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,018	4,018
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,382	2,382
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	233	233
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	200
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	196	196
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14,440	14,440
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36,000	36,000
OFFICE:																						
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	36
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	19
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	36
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSELS 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
GRAND TOTAL:																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	253	-	-	49	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	-	23	-	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	256	-	-	93	-	-
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	3	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-	-	3	-	-
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	-	-	2	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	125	-	-	78	-	-
BITUMINOUS	10	-	-	-	-	-	-	-	6,000	-	-	-	-	-	-	-	233	-	-	80	-	-
ALL COAL	10	-	-	-	-	-	-	-	6,000	-	-	-	-	-	-	-	40	-	-	4	-	-
TEXAS	-	-	-	-	17	-	-	-	-	-	-	-	183	-	-	-	415	-	-	22	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	403	-	-	16	-	-
VIRGINIA	3,019	-	-	-	-	-	-	-	-	-	-	294	-	-	-	-	541	-	-	208	-	-
WEST VIRGINIA	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	-	-	31	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
TOTAL:																						
ANTHRACITE	-	-	-	-	17	-	-	-	6,000	-	294	-	204	-	-	-	107	-	-	2	-	28
BITUMINOUS	3,056	-	-	-	-	-	-	-	6,000	-	294	-	204	-	-	-	2,430	-	-	543	-	28
ALL COAL	3,056	-	-	-	17	-	-	-	6,000	-	294	-	204	-	-	-	2,537	-	-	545	-	28

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL 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	-	-	-	-	-	-	-	-	-	262	49
ARIZONA	-	-	-	-	-	-	-	-	-	-	28	-	158	9	-	-	-	-	-	-	186	154
COLORADO	-	-	-	-	-	-	-	-	-	-	118	-	-	-	-	-	-	-	-	-	115	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-	-	-	4,724	-
INDIANA	-	-	-	-	-	-	-	-	-	-	319	-	3,637	17	54	-	-	-	79	-	6,000	-
KENTUCKY	6,000	280	-	-	-	-	-	-	-	-	53	-	-	-	-	-	-	-	-	-	6,000	-
LOUISIANA	6,000	-	-	-	-	-	-	-	-	-	6	-	37	6	-	-	-	-	-	-	6,000	-
MONTANA	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	89	-
MORTLAND	-	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	26	-	14	-	-	-	-	-	21	-
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	122	-	232	-	-	-	-	-	-	-	44	-
OHIO	-	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	511	-
PENNSYLVANIA:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	91	-	-	-	-	-	-	-	200	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	95	-	166	-	-	-	-	-	-	-	406	-
ALL COAL	6,000	-	-	-	-	-	-	-	-	-	95	-	257	-	-	-	-	-	-	-	12,000	-
TEXAS	6,000	-	-	-	-	-	-	-	-	-	98	-	93	-	-	-	-	-	-	-	686	-
UTAH	-	6	-	-	-	-	-	-	-	-	37	-	82	-	-	-	-	-	-	-	261	-
VIRGINIA	6,000	35	-	-	-	-	-	-	-	-	172	-	201	-	-	-	124	-	-	-	4,037	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	168	-	568	-	10	-	-	-	-	-	2,389	-
WYOMING	-	357	-	-	-	-	-	-	-	-	78	-	42	-	5	-	-	-	-	-	6,000	-
TOTAL:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	91	-	-	-	-	-	-	-	200	-
BITUMINOUS	24,000	792	-	-	-	-	-	-	-	-	1,364	-	5,364	-	83	-	-	-	-	-	36,000	-
ALL COAL	24,000	792	-	-	-	-	-	-	-	-	1,364	-	5,455	-	83	-	124	-	-	-	36,000	-
																					14,500	-
																					36,000	-
																					14,700	-

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

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	NFIDL	FATAL	NFIDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL
		TOTAL	PARTIAL	TOTAL					TEMPO- RARY	TOTAL NFIDL				
											TOTAL			
UNDERGROUND MINES: UNDERGROUND: DRILL OPERATOR----- HAUL DUMP----- LABORER----- MECHANIC/MAINTENANCE----- MINING MACH. OPR----- ROCK/ROOF BOLTER----- SUPERVISOR/FOREMAN----- TECH./PROF./CLERICAL----- N.E.C. OR UNKNOWN----- TOTAL OR AVERAGE-----	- - - - - - - - - -	- - - - - - - - - -	18 2 28 3 2 4 1 2 1 2 60	18 2 28 3 2 4 1 2 1 2 60	21 2 34 4 1 10 1 3 78	3 6 1 1 6 1 1 18	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	50 33 28 46 2 2 18 15 118 37		
SURFACE AT UNDERGROUND: DRAG/CRANE/SHOVEL OPR----- DRILL OPERATOR----- FRONT END LOADER----- LABORER----- MECHANIC/MAINTENANCE----- SUPERVISOR/FOREMAN----- TECH./PROF./CLERICAL----- TRUCK DRIVER----- WELDER/MACHINIST----- N.E.C. OR UNKNOWN----- TOTAL OR AVERAGE-----	- - - - - - - 1 - - 1	- - - - - - - - - -	1 2 1 9 3 2 1 7 3 5 34	1 2 1 10 3 2 1 8 3 5 36	2 3 16 4 2 2 4 12 3 14 60	1 1 2 6 1 1 - 4 9 24	- - - - - - - 5,000 6,000	- - - - - - - -	- - 3,000 - - - - - 3,000	- - - - - - - - -	- - - - - - - - -	115 184 2 322 10 18 50 84 44 788 34 19 290		
TOTAL OR AVERAGE, UG: DRAG/CRANE/SHOVEL OPR----- DRILL OPERATOR----- FRONT END LOADER----- LABORER----- MECHANIC/MAINTENANCE----- MINING MACH. OPR----- ROCK/ROOF BOLTER----- SUPERVISOR/FOREMAN----- TECH./PROF./CLERICAL----- TRUCK DRIVER----- WELDER/MACHINIST----- N.E.C. OR UNKNOWN----- TOTAL OR AVERAGE-----	- - - - - - 1 - - -	- - - - - - - - - -	1 20 1 37 6 2 6 2 7 3 7 94	1 20 1 38 6 2 6 2 7 3 7 95	2 24 3 50 8 1 12 4 12 3 17 138	1 4 2 12 2 1 6 4 10 7 42	- - - - - - - 6,000	- - - - - - - -	- - - - 3,000 - - - - 3,000	- - - - - - - -	- - - - - - - -	115 64 2 33 66 3,993 192 4 174 99 305 103 331 3,655		

TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT ALL CONTRACTOR COAL 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	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				
SURFACE MINES:														
STRIP:														
BULLDOZER/MOBILE EQUIP.	-	-	7	-	7	3	-	-	-	133	133	-	19	19
CLEANUP/VENTILATION	-	-	1	-	1	1	-	-	-	1	1	-	1	1
DRAG/CRANE/SHOVEL OPR.	-	-	2	-	2	1	-	-	-	40	40	-	20	20
DRILL OPERATOR	-	-	4	-	4	3	-	-	-	94	94	-	24	24
ELECTRICIAN	1	-	5	-	5	14	-	-	-	77	77	-	1,013	1,013
FRONT END LOADER	-	-	5	-	5	8	-	-	-	49	49	-	10	10
LABORER	-	-	18	-	18	36	-	-	-	247	247	-	14	14
MECHANIC/MAINTENANCE	-	-	17	-	17	23	-	-	-	234	234	-	19	19
POWDERMAN/BLASTER	-	-	2	-	2	4	-	-	-	6	6	-	3	3
PREP. PLANT OPR.	-	-	1	-	1	3	-	-	-	1	1	-	1	1
SUPERVISOR/FOREMAN	-	-	1	-	1	3	-	-	-	119	119	-	24	24
TECH./PROF./CLERICAL	-	-	5	-	5	9	-	-	-	-	-	-	-	-
TRUCK DRIVER	2	-	23	-	25	32	-	-	-	512	512	-	500	500
WELDER/MACHINIST	-	-	20	-	20	19	-	-	-	174	174	-	26	26
N.E.C. OR UNKNOWN	-	-	16	-	16	26	-	-	-	423	423	-	26	26
TOTAL OR AVERAGE	3	2	127	130	84	214	18,000	2,110	160	2,270	20,270	80	17	155
AUGER:														
LABORER	-	-	1	-	1	2	-	-	-	2	2	-	2	2
MINING MACH. OPR.	-	-	1	-	1	1	-	-	-	45	45	-	45	45
TECH./PROF./CLERICAL	-	-	1	-	1	1	-	-	-	5	5	-	5	5
TOTAL OR AVERAGE	-	-	3	3	2	5	-	-	-	52	52	-	17	17
CULM BANK:														
MECHANIC/MAINTENANCE	-	-	1	-	1	1	-	-	-	4	4	-	4	4
TOTAL OR AVERAGE	-	-	1	1	-	1	-	-	-	4	4	-	4	4
TOTAL OR AVERAGE, SURFACE:														
BULLDOZER/MOBILE EQUIP.	-	-	7	-	7	3	-	-	-	133	133	-	19	19
CLEANUP/VENTILATION	-	-	1	-	1	1	-	-	-	1	1	-	1	1
DRAG/CRANE/SHOVEL OPR.	-	-	2	-	2	1	-	-	-	40	40	-	20	20
DRILL OPERATOR	-	-	4	-	4	3	-	-	-	94	94	-	24	24
ELECTRICIAN	1	-	5	-	5	14	-	-	-	77	77	-	1,013	1,013
FRONT END LOADER	-	-	5	-	5	8	-	-	-	49	49	-	10	10
LABORER	-	-	19	-	19	39	-	-	-	249	249	-	18	18
MECHANIC/MAINTENANCE	-	-	18	-	18	24	-	-	-	348	348	-	45	45
POWDERMAN/BLASTER	-	-	1	-	1	4	-	-	-	6	6	-	3	3
PREP. PLANT OPR.	-	-	1	-	1	3	-	-	-	1	1	-	1	1
SUPERVISOR/FOREMAN	-	-	1	-	1	3	-	-	-	119	119	-	24	24
TECH./PROF./CLERICAL	-	-	5	-	5	9	-	-	-	5	5	-	5	5
TRUCK DRIVER	2	-	23	-	25	32	-	-	-	512	512	-	500	500
WELDER/MACHINIST	-	-	20	-	20	19	-	-	-	174	174	-	26	26
N.E.C. OR UNKNOWN	-	-	16	-	16	26	-	-	-	423	423	-	26	26
TOTAL OR AVERAGE	3	2	129	134	86	220	18,000	2,166	160	2,326	20,326	80	17	152

TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT ALL CONTRACTOR COAL 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	TOTAL INJURIES	NOL	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		TOTAL	PERMANENT	TEMPORARY					TOTAL	PARTIAL				
TOTAL OR AVERAGE, MINING:														
BULLDOZER/MOBILE EQUIP.	-	-	7	7	7	10	3	-	133	-	133	-	19	19
CLEANUP/VENTILATION	-	-	1	1	1	1	-	-	1	-	1	-	1	1
DRAG/CRANE/SHOVEL OPR.	-	-	3	3	3	5	2	-	155	-	155	-	52	52
DRILL OPERATOR	-	-	24	24	24	29	5	5,000	1,365	-	1,365	-	57	57
ELECTRICIAN	1	-	5	5	6	14	8	-	77	-	77	-	15	1,013
FRONT END LOADER	-	-	6	6	6	11	5	-	51	-	51	-	8	8
HAUL DUMP	-	-	2	2	2	2	-	-	66	-	66	-	33	33
LABORER	-	-	57	57	57	89	32	-	1,242	3,000	4,242	3,000	22	22
MECHANIC/MAINTENANCE	-	-	25	25	25	32	7	-	430	110	540	110	18	18
MINING MACH. OPR.	-	-	1	1	1	2	1	-	45	-	45	-	45	45
POWERMAN/BLASTER	-	-	2	2	2	4	2	-	6	-	6	-	3	3
PREP. PLANT OPR.	-	-	2	2	2	3	2	-	1	-	1	-	1	1
ROCK/ROOF BOLTER	-	-	11	11	11	21	10	-	4	-	4	-	2	2
SUPERVISOR/FOREMAN	-	-	13	13	13	21	11	-	293	-	293	-	27	27
TECH./PROP./CLERICAL	-	-	30	30	33	44	11	-	104	-	104	-	35	35
TRUCK DRIVER	3	-	23	23	23	42	19	18,000	817	-	817	-	27	570
WELDER/MACHINIST	-	-	23	23	23	43	20	-	277	50	327	50	13	14
N.E.C. OR UNKNOWN	-	-	23	23	23	20	20	-	754	-	754	-	33	33
TOTAL OR AVERAGE	4	3	223	226	230	358	128	24,000	5,821	3,160	8,981	1,053	26	143
INDEPENDENT SHOPS:														
LABORER	-	-	1	1	1	1	-	-	60	-	60	-	60	60
N.E.C. OR UNKNOWN	-	-	-	-	-	3	3	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	1	1	1	4	3	-	60	-	60	-	60	60
PROCESSING PLANTS:														
BELTMAN/BOOM OPR.	-	-	1	1	1	2	1	-	5	-	5	-	5	5
BULLDOZER/MOBILE EQUIP.	-	-	1	1	1	1	-	-	53	-	53	-	53	3,026
DRAG/CRANE/SHOVEL OPR.	-	-	1	1	1	1	-	-	37	-	37	-	37	37
DRILL OPERATOR	-	-	1	1	1	1	-	-	110	-	110	-	14	14
ELECTRICIAN	-	-	6	6	6	15	11	-	2	-	2	-	2	2
FRONT END LOADER	-	-	32	32	32	43	11	-	473	3,000	3,473	3,000	16	296
LABORER	1	-	31	31	31	26	11	-	25	-	25	-	13	13
LOADING MACH. OPR.	-	-	2	2	2	7	2	-	337	-	337	-	38	38
MECHANIC/MAINTENANCE	-	-	7	7	7	10	3	-	78	-	78	-	11	11
PREP. PLANT OPR.	-	-	7	7	7	10	3	-	140	-	140	-	20	20
SUPERVISOR/FOREMAN	-	-	3	3	3	4	1	-	90	-	90	-	8	8
TECH./PROP./CLERICAL	-	-	14	14	14	14	9	-	473	-	473	-	34	34
TRUCK DRIVER	-	-	19	19	19	25	10	-	292	-	292	-	32	32
WELDER/MACHINIST	-	-	19	19	19	25	10	-	483	-	483	-	25	25
N.E.C. OR UNKNOWN	-	-	-	-	-	155	42	-	5,599	3,165	8,764	1,062	22	155
TOTAL OR AVERAGE	2	3	108	111	113	155	42	12,000	2,414	3,165	5,599	1,062	22	155

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

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST HOURS					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
		TOTAL	PARTIAL	TOTAL					TOTAL	PARTIAL	TOTAL				
TOTAL OR AVERAGE															
ALL MINES AND PLANTS:															
BELTMAN/ROOM OPR	1	-	-	1	1	2	1	6,000	-	-	5	-	-	5	5
BULLDOZER/MOBILE EQUIP	-	-	-	8	8	12	3	-	-	-	186	-	-	23	687
CLEANING/VENTILATION	-	-	-	1	1	6	2	-	-	-	1	-	-	1	1
DRAG/CRANE/SLOPE OPR	-	-	-	4	4	30	6	-	-	-	192	-	-	48	48
DRILL OPERATOR	1	-	-	24	24	33	19	6,000	-	-	1,365	-	-	57	57
ELECTRICIAN	-	-	-	13	13	12	5	-	-	-	187	-	-	14	442
FRONT END LOADER	-	-	-	7	7	2	2	-	-	-	53	-	-	8	8
HAUL DUMP	-	-	-	2	2	133	43	6,000	-	-	66	-	-	33	33
LABORER	1	2	2	89	90	2	2	-	-	-	7,775	3,000	-	20	153
LOADING MACH. OPR	-	2	2	32	32	41	9	-	-	-	26	-	-	13	22
MECHANIC/MAINTENANCE	-	2	2	2	2	2	2	-	-	-	877	110	-	45	45
MINING MACH. OPR	-	-	-	1	1	4	2	-	-	-	6	-	-	3	3
POWERMAN/BLASTER	-	-	-	2	2	10	2	-	-	-	79	-	-	10	10
PREP. PLANT OPR	-	-	-	8	8	2	2	-	-	-	4	-	-	2	2
ROCK/ROOF BOLTER	-	-	-	2	2	2	13	-	-	-	433	-	-	24	24
SUPERVISOR/FOREMAN	-	-	-	18	18	31	8	-	-	-	194	75	-	24	32
TECH./PROP./CLERICAL	-	1	1	6	6	8	2	-	-	-	119	-	-	24	32
TRUCK DRIVER	3	-	-	44	44	58	11	18,000	-	-	1,290	-	-	410	410
WELDER/MACHINIST	-	1	1	31	32	57	25	-	-	-	619	50	-	19	19
N.E.C. OR UNKNOWN	-	-	-	42	42	71	29	-	-	-	1,237	-	-	29	29
TOTAL OR AVERAGE	6	6	332	338	344	517	173	36,000	6,345	8,295	14,640	1,058	25	147	147
OFFICE:															
SUPERVISOR/FOREMAN	-	-	1	1	1	2	1	-	-	-	5	-	-	5	5
N.E.C. OR UNKNOWN	-	-	2	2	2	4	2	-	-	-	55	-	-	28	28
TOTAL OR AVERAGE	-	-	3	3	3	6	3	-	-	-	60	-	-	20	20
GRAND TOTAL OR AVERAGE:															
BELTMAN/ROOM OPR	1	-	-	1	1	2	1	6,000	-	-	5	-	-	5	5
BULLDOZER/MOBILE EQUIP	-	-	-	8	8	12	3	-	-	-	186	-	-	23	687
CLEANING/VENTILATION	-	-	-	1	1	6	2	-	-	-	1	-	-	1	1
DRAG/CRANE/SLOPE OPR	-	-	-	4	4	30	6	-	-	-	192	-	-	48	48
DRILL OPERATOR	1	-	-	24	24	33	19	6,000	-	-	1,365	-	-	57	57
ELECTRICIAN	-	-	-	13	13	12	5	-	-	-	187	-	-	14	442
FRONT END LOADER	-	-	-	7	7	2	2	-	-	-	53	-	-	8	8
HAUL DUMP	-	-	-	2	2	133	43	6,000	-	-	66	-	-	33	33
LABORER	1	2	2	89	90	2	2	-	-	-	7,775	3,000	-	20	153
LOADING MACH. OPR	-	2	2	32	32	41	9	-	-	-	26	-	-	13	22
MECHANIC/MAINTENANCE	-	2	2	2	2	2	2	-	-	-	877	110	-	45	45
MINING MACH. OPR	-	-	-	1	1	4	2	-	-	-	6	-	-	3	3
POWERMAN/BLASTER	-	-	-	2	2	10	2	-	-	-	79	-	-	10	10
PREP. PLANT OPR	-	-	-	8	8	2	2	-	-	-	4	-	-	2	2
ROCK/ROOF BOLTER	-	-	-	2	2	2	14	-	-	-	438	-	-	23	23
SUPERVISOR/FOREMAN	-	-	-	19	19	33	8	-	-	-	119	75	-	24	24
TECH./PROP./CLERICAL	-	1	1	6	6	8	2	-	-	-	194	-	-	32	32
TRUCK DRIVER	3	-	-	44	44	58	11	18,000	-	-	1,290	-	-	410	410
WELDER/MACHINIST	-	1	1	31	32	57	25	-	-	-	619	50	-	19	19
N.E.C. OR UNKNOWN	-	-	-	44	44	75	31	-	-	-	1,292	-	-	29	29
TOTAL OR AVERAGE	6	6	335	341	347	523	175	36,000	6,345	8,355	14,700	1,058	25	146	146

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ALL CONTRACTOR COAL 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								
UNDERGROUND MINES:																	
UNDERGROUND:																	
ELECTRICAL	-	-	1	1	1	1	-	-	-	-	-	-	10	10	10	10	
EXPLODING VESSEL	-	-	1	1	1	1	-	-	-	-	-	-	17	17	17	17	
UNDER PRESSURE	-	-	4	4	4	4	1	-	-	-	-	-	294	294	294	294	
FALL OF FACE, RIB, SIDE OR HIGHWALL	-	-	4	4	4	4	1	-	-	-	-	-	294	294	294	294	
FALL OF ROOF (UNDER- GROUND MINES ONLY)	-	-	4	4	4	4	1	-	-	-	-	-	204	204	204	204	
FIRE	-	-	1	1	1	1	6	-	-	-	-	-	928	928	928	928	
HANDLING MATERIAL	-	-	20	20	20	20	4	-	-	-	-	-	14	14	14	14	
HAND TOOL	-	-	3	3	3	3	3	-	-	-	-	-	48	48	48	48	
POWERED HAULAGE	-	-	17	17	17	17	3	-	-	-	-	-	250	250	250	250	
MACHINERY	-	-	7	7	7	7	2	-	-	-	-	-	438	438	438	438	
SLIP OR FALL OF PERSON	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
OTHER INJURIES	-	-	60	60	60	60	18	-	-	-	-	-	2,206	2,206	2,206	2,206	
TOTAL OR AVERAGE	-	-	60	60	60	60	18	-	-	-	-	-	2,206	2,206	2,206	2,206	
SURFACE AT UNDERGROUND:																	
ELECTRICAL	-	-	1	1	1	1	3	-	-	-	-	-	3,017	3,017	3,017	3,017	
HANDLING MATERIAL	-	-	8	8	8	8	16	-	-	-	-	-	241	241	241	241	
HAND TOOL	-	-	2	2	2	2	2	-	-	-	-	-	29	29	29	29	
NONPOWERED HAULAGE	-	-	1	1	1	1	1	-	-	-	-	-	28	28	28	28	
POWERED HAULAGE	1	-	4	4	5	9	6	6,000	-	-	-	-	313	313	313	313	
MACHINERY	-	-	3	3	3	3	3	-	-	-	-	-	113	113	113	113	
SLIP OR FALL OF PERSON	-	-	13	13	13	13	3	-	-	-	-	-	620	620	620	620	
STEPPING OR KNEELING ON OBJECT	-	-	1	1	1	1	1	-	-	-	-	-	9	9	9	9	
STRIKING OR BUMPING	-	-	1	1	1	1	1	-	-	-	-	-	79	79	79	79	
OTHER INJURIES	-	-	1	1	1	1	2	-	-	-	-	-	79	79	79	79	
TOTAL OR AVERAGE	1	-	34	35	35	35	24	6,000	-	-	-	3,000	1,449	4,449	10,449	3,000	290

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ALL CONTRACTOR COAL 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	PARTIAL	TOTAL NFDL					
			TOTAL	PARTIAL											
TOTAL OR AVERAGE, UG:															
ELECTRICAL	-	1	2	3	3	4	1	-	3,000	-	3,027	3,000	14	1,009	
EXPLODING VESSEL	-	-	-	-	-	-	-	-	-	-	-	-	17	17	
UNDER PRESSURE	-	-	1	1	1	1	-	-	-	-	294	-	74	74	
FALL OF FACE, RIB, SIDE OR HIGHWALL	-	-	4	4	4	5	1	-	-	-	294	-	-	294	
FALL OF ROOF UNDER- GROUND MINES ONLY	-	-	4	4	4	5	1	-	-	-	294	-	-	294	
FIRE	-	-	28	28	28	42	14	-	-	-	1,169	-	-	1,169	
HANDLING MATERIAL	-	-	4	4	4	10	6	-	-	-	1,169	-	-	1,169	
HAND TOOL	-	-	4	4	4	10	6	-	-	-	1,169	-	-	1,169	
NONPOWERED HAULAGE	-	-	1	1	1	12	11	-	-	-	381	-	-	381	
POWERED HAULAGE	-	-	7	7	7	12	5	-	-	-	381	-	-	381	
MACHINERY	-	-	20	20	20	28	8	-	-	-	381	-	-	381	
SLIP OR FALL OF PERSON	-	-	20	20	20	25	5	-	-	-	1,056	-	53	53	
STEPPING OR KNEELING ON OBJECT	-	-	1	1	1	2	1	-	-	-	9	-	9	9	
STRIKING OR BUMPING	-	-	1	1	1	1	0	-	-	-	79	-	79	79	
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	1	-	94	95	95	138	42	5,000	3,000	-	6,655	3,000	35	132	
SURFACE MINES:															
STRIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ELECTRICAL	-	-	1	1	1	1	-	-	-	-	12	-	12	12	
EXPLOSIVE AND BREWING AGENT	-	-	36	36	36	54	18	-	-	-	501	-	501	501	
HANDLING MATERIAL	-	-	13	13	13	35	22	-	50	-	235	50	10	195	
HAND TOOL	-	-	13	13	13	17	4	-	-	-	268	-	-	268	
NONPOWERED HAULAGE	-	-	11	11	11	21	10	15,000	-	-	15,268	-	-	15,268	
POWERED HAULAGE	3	-	23	24	24	24	1	-	-	-	395	-	-	395	
MACHINERY	-	-	35	35	35	44	9	-	-	-	728	-	-	728	
SLIP OR FALL OF PERSON	-	-	35	35	35	39	4	-	-	-	65	-	-	65	
STEPPING OR KNEELING ON OBJECT	-	-	3	3	3	3	0	-	-	-	31	-	31	31	
STRIKING OR BUMPING	-	-	4	4	4	7	3	-	-	-	31	-	31	31	
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	3	-	125	127	127	214	54	15,000	150	-	2,270	150	11	155	
AUXILIARY:															
FALL OF FACE, RIB, SIDE OR HIGHWALL	-	-	1	1	1	1	1	-	-	-	1	-	1	1	
HANDLING MATERIAL	-	-	3	3	3	3	0	-	-	-	49	-	49	49	
MACHINERY	-	-	3	3	3	3	0	-	-	-	62	-	62	62	
TOTAL OR AVERAGE	-	-	3	3	3	3	0	-	-	-	62	-	62	62	

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ALL CONTAINER DOCK 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	TOTAL					TOTAL	TEMPO- RARY																																																																																																															
			TOTAL	PARTIAL																																																																																																																				
DUM BANK SLIP OR FALL OF PERSON----- TOTAL OR AVERAGE-----	- - -	- - -	1 1 1	1 1 1	1 1 1	1 1 1	- - -	- - -	- - -	4 4 4	- - -	- - -	4 4 4	4 4 4																																																																																																										
TOTAL OR AVERAGE, SURFACE: ELECTRICAL----- EXPLOSIVE AND BREAKING AGENT----- FALL OF FACE, RIB, SIDE OR HIGHWALL----- HANDLING MATERIAL----- HAND TOOL----- NONPOWERED HAULAGE----- POWERED HAULAGE----- MACHINERY----- SLIP OR FALL OF PERSON----- STEPPING OR KNEELING ON OBJECT----- STRIKING OR BUMPING----- OTHER INJURIES----- TOTAL OR AVERAGE-----	- - - - - - - 3 - - - - - - - 3	- - - - - - - - - - - - - - -	1 1 1 37 13 12 11 25 36 3 4 4 129 131	1 1 1 37 13 13 14 26 36 3 4 4 131	1 1 1 37 13 13 14 26 36 3 4 4 131	1 1 1 55 35 21 47 45 3 2 3 7 220	- - - - - - - 18,000 - - - - - - 18,000	- - - - - - - - - - - - - - - 160	- - - - - - - - - - - - - - - 160	4 4 4 536 186 268 336 732 65 31 2,166 2,326	- - - 536 236 268 446 732 65 31 2,326	- - - 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65 31 2,326	12 12 12 536 236 268 446 732 65

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

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST HOURS/DAYS						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					
INDEPENDENT SHOPS: HANDLING MATERIAL----- POWERED HAULAGE----- MACHINERY----- TOTAL OR AVERAGE----- PROCESSING PLANTS: FALLING, ROLLING, OR SLIDING MATERIAL----- HANDLING MATERIAL----- HAND TOOL----- POWERED HAULAGE----- MACHINERY----- SLIP OR FALL OF PERSON----- STEERING OR WHEELING ON OBJECT----- STRIKING OR BUMPING----- OTHER INJURIES----- TOTAL OR AVERAGE-----	- - - - - 1 - - - 1 - - - - - - - 2	- - - - - - - - - - - - - - - - -	- - 1 1 - 1 - - - - - - - - - - - 3	- - 1 1 - 1 - - - - - - - - - - - 111	1 2 - 3 - 8 9 15 7 - - - 42	1 2 1 4 - 1 49 22 37 31 3 2 4 155	- - - - - 6,000 - - 6,000 - - - - 12,000	- - - - - - - - - - - - - - - - - -	- - 60 60 - - - - - - - - - - - - - - - -	- - 60 60 - - - - - - - - - - - - - - - -	- - - - - 6,000 827 266 163 6,495 3,629 9 124 86 17,599	- - - - - - - - - - - - - - - - - -	- - 60 60 - - - - - - - - - - - - - - - 22	- - 60 60 - 6,000 827 266 163 6,495 3,629 9 124 86 17,599	

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE OF WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ALL CONTRACTOR COAL 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	NOL	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	-	-	3	4	4	5	1	-	3,039	39	3,000	-	13	3,035	739	
ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICAL	-	-	1	1	1	1	-	-	-	17	-	-	-	17	17	17
EXPLODING VESSEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDER PRESSURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLOSIVE AND BREAKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AGENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIDING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF ROOF (UNDER-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OR HIGHWALL)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GROUND MINES ONLY:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIRE	-	-	1	1	1	1	5	1	-	294	204	-	74	294	74	74
HANDLING MATERIAL	-	-	106	106	106	147	41	-	-	204	3	-	51	204	51	51
HAND TOOL	-	-	29	30	30	67	37	-	-	2,532	3	-	24	2,532	24	24
NONPOWERED HAULAGE	-	-	1	1	1	2	1	-	-	50	-	-	50	50	50	50
POWERED HAULAGE	-	-	24	28	28	41	13	-	-	792	28	-	24	792	28	28
MACHINERY	-	-	66	68	69	111	42	-	-	1,364	144	-	24,352	1,364	24,352	24,352
SLIP OR FALL OF	-	-	1	1	1	1	1	-	-	220	-	-	110	220	110	110
PERSON	-	-	79	80	80	101	21	-	-	3,000	2,419	3,000	31	5,419	3,000	5,419
STEPPING OR KNEELING	-	-	7	7	7	7	4	-	-	-	83	-	12	83	12	12
ON OBJECT	-	-	1	1	1	1	1	-	-	-	124	-	124	124	124	124
STRIKING OR BUMPING	-	-	6	7	7	15	8	-	-	75	121	75	20	196	75	196
OTHER INJURIES	-	-	1	1	1	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	6	-	5	338	344	517	173	36,000	14,640	8,295	1,058	25	50,540	1,058	8,295	147
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICAL	-	-	1	1	1	1	-	-	-	-	19	-	19	19	19	19
HANDLING MATERIAL	-	-	1	1	1	1	1	-	-	-	5	-	5	5	5	5
POWERED HAULAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIP OR FALL OF	-	-	1	1	1	1	1	-	-	-	36	-	36	36	36	36
PERSON	-	-	3	3	3	6	3	-	-	-	60	-	60	60	60	60
TOTAL OR AVERAGE	-	-	3	3	3	6	3	-	-	-	60	-	60	60	60	60

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT ALL CONTRACTOR COAL 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	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				
-	-	1	4	5	1	6	-	3,000	58	3,058	3,058	3,000	14	612	
-	-	-	1	1	1	1	-	-	17	17	17	-	17	17	
-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
1	-	-	-	-	1	1	6,000	-	-	-	-	5,000	-	-	6,000
-	-	-	4	4	4	2	-	-	-	294	294	294	-	74	14
-	-	-	4	4	4	1	-	-	-	204	204	204	-	51	51
-	-	-	107	107	107	42	-	-	-	2,537	2,537	2,537	-	3	3
-	-	-	29	30	30	37	-	-	-	2,537	2,537	2,537	-	24	24
-	-	-	1	1	1	1	-	50	495	545	545	50	17	17	18
-	-	-	24	24	28	14	-	-	28	792	792	28	-	28	28
4	-	-	66	68	69	42	24,000	-	-	1,144	1,364	24,792	-	33	895
1	-	-	80	81	81	22	5,000	220	1,144	7,364	7,364	110	17	107	107
-	-	-	7	7	7	-	-	3,000	2,455	5,455	5,455	3,000	31	67	67
-	-	-	1	1	1	4	-	-	83	83	83	-	12	12	12
-	-	-	1	1	1	8	-	-	124	124	124	-	124	124	124
-	-	-	6	7	7	15	-	-	75	121	196	75	20	20	28
6	-	-	335	347	347	176	36,000	-	6,345	8,355	14,700	50,700	1,058	25	145
TOTAL OR AVERAGE															

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL CONTRACTOR COAL 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	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL	TEMPO- RARY	TOTAL				
ELECTRICAL: FOOT----- BODY SYSTEMS----- MULTIPLE PARTS OF BODY----- TOTAL OR AVERAGE-----	- - - -	- - 1 -	- 2 2 4	- 2 3 5	- 2 3 5	1 - - 1	1 2 3 5	- - - -	- - 3,000 3,000	- - - -	- 29 3,029 3,058	- - 3,000 3,000	- - - -	- 14 14 14	- - 1,010 512
EXPLODING VESSEL UNDER PRESSURE: MULTIPLE PARTS OF BODY----- TOTAL OR AVERAGE-----	- - -	- - -	1 1 1	1 1 1	1 1 1	- - 1	1 1 1	- - -	- - -	- - -	17 17 -	17 17 -	- - -	17 17 -	17 17 -
EXPLOSIVE AND BREAKING AGENT: BODY SYSTEMS----- MULTIPLE PARTS OF BODY----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	- - -	- - -	1 1 2	1 1 2	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
FALLING, ROLLING, OR SLIDING MATERIAL: MULTIPLE PARTS OF BODY----- TOTAL OR AVERAGE-----	1 1	- -	- -	- -	1 1	1 1	1 1	5,000 5,000	- -	- -	- -	5,000 5,000	- -	- -	5,000 5,000
FALL OF FACE, RIB, SIDE OR HIGHWALL: NECK----- FINGER(S)----- BACK----- CHEST----- LOWER EXTREMITIES, NEC----- MULTIPLE PARTS OF BODY----- TOTAL OR AVERAGE-----	- - - - - -	- - - - - -	- - 1 1 1 1 4	- - 1 1 1 1 4	- - 1 1 1 1 4	1 1 - - - - 2	1 1 1 1 1 1 5	- - - - - -	- - - - - -	- - - - - -	- - 193 2 95 4 294	- - 193 2 95 4 294	- - - - - -	- 193 2 95 4 74	- 193 2 95 4 74
FALL OF ROOF (UNDER- GROUND MINES ONLY): HEAD, NEC----- HAND----- UPPER EXTREMITIES, NEC----- TRUNK, NEC----- TOE(S)----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	1 1 1 1 4	1 1 1 1 4	1 1 1 1 4	- - - - 1	1 1 1 1 5	- - - -	- - - -	- - - -	- - 15 182 6 1 204	- - 15 182 6 1 204	- - - -	15 182 6 1 51	15 182 6 1 51

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT ALL CONTRACTOR COAL 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	
		TOTAL	PERMANENT	PARTIAL				TOTAL	PERMANENT	PARTIAL					TOTAL
FIRE:	-	-	1	1	1	1	-	-	-	-	-	-	3	3	
EYE:	-	-	1	1	1	1	-	-	-	-	-	-	3	3	
TOTAL OR AVERAGE:	-	-	1	1	1	1	-	-	-	-	-	-	3	3	
HANDLING MATERIAL:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
EAR:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
EYE:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
MOUTH/TEETH/TONGUE:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
HEAD, NEC:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
NECK:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
ELBOW:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
FOREARM:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
WRIST:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
HAND:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
FINGER(S):	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
UPPER EXTREMITIES, NEC:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
ARM/ARM:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
BACK:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
CHEST:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
PELVIC REGION:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
SHOULDER(S):	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
TRUNK, NEC:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
KNEE:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
LOWER LEG:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
ANKLE:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
FOOT:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
TOE(S):	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
LOWER EXTREMITIES, NEC:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
MULTIPLE PARTS OF BODY:	-	-	1	1	1	1	-	-	-	-	-	-	1	1	
TOTAL OR AVERAGE:	-	-	107	107	107	107	42	149	-	-	-	-	2,537	2,537	
HAND TOOL:	-	-	3	3	3	3	-	-	-	-	-	-	11	11	
EYE:	-	-	3	3	3	3	-	-	-	-	-	-	11	11	
JAW:	-	-	3	3	3	3	-	-	-	-	-	-	8	8	
MOUTH/TEETH/TONGUE:	-	-	3	3	3	3	-	-	-	-	-	-	8	8	
HEAD, NEC:	-	-	3	3	3	3	-	-	-	-	-	-	8	8	
ELBOW:	-	-	3	3	3	3	-	-	-	-	-	-	26	26	
FOREARM:	-	-	3	3	3	3	-	-	-	-	-	-	6	6	
WRIST:	-	-	3	3	3	3	-	-	-	-	-	-	44	44	
HAND:	-	-	3	3	3	3	-	-	-	-	-	-	58	58	
FINGER(S):	-	-	3	3	3	3	-	-	-	-	-	-	82	82	
BACK:	-	-	3	3	3	3	-	-	-	-	-	-	27	27	
CHEST:	-	-	3	3	3	3	-	-	-	-	-	-	1	1	
SHOULDER(S):	-	-	3	3	3	3	-	-	-	-	-	-	5	5	
THIGH:	-	-	3	3	3	3	-	-	-	-	-	-	174	174	
ANKLE:	-	-	3	3	3	3	-	-	-	-	-	-	63	63	
FOOT:	-	-	3	3	3	3	-	-	-	-	-	-	66	66	
LOWER EXTREMITIES, NEC:	-	-	3	3	3	3	-	-	-	-	-	-	1	1	
MULTIPLE PARTS OF BODY:	-	-	3	3	3	3	-	-	-	-	-	-	50	50	
TOTAL OR AVERAGE:	-	-	29	29	29	29	37	67	-	-	-	-	495	495	

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

ACCIDENT CLASSIFICATION* PART OF BODY INJURED	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	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL						
NONPOWERED HAULAGE:																
FINGER(S)-----	-	-	1	-	1	1	1	-	-	-	-	-	-	28	28	-
FOOT-----	-	-	1	-	1	1	2	-	-	-	-	-	-	28	28	-
TOTAL OR AVERAGE-----	-	-	1	1	1	1	2	-	-	-	-	-	-	28	28	-
POWERED HAULAGE:																
EYE-----	-	-	2	-	2	2	2	-	-	-	-	-	-	32	32	-
NECK-----	-	-	1	-	1	1	4	-	-	-	-	-	-	35	35	-
ELBOW-----	-	-	1	-	1	1	1	-	-	-	-	-	-	48	48	-
HAND-----	-	-	2	-	2	2	3	-	-	-	-	-	-	95	95	-
FINGER(S)-----	-	-	3	-	3	3	4	-	-	-	-	-	-	152	152	-
BACK-----	-	-	1	-	1	1	2	-	-	-	-	-	-	2	2	-
CHEST-----	1	-	1	-	1	1	3	-	6,000	-	-	-	-	3	3	-
TRUNK, NEC-----	-	-	3	-	3	3	3	-	-	-	-	-	-	12	12	-
THIGH-----	-	-	1	-	1	1	1	-	-	-	-	-	-	42	42	-
LOWER LEG-----	-	-	1	-	1	1	2	-	-	-	-	-	-	21	21	-
FOOT-----	-	-	2	-	2	2	2	-	-	-	-	-	-	42	42	-
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
BODY SYSTEMS-----	1	-	9	-	9	11	15	-	6,000	-	-	-	-	419	419	-
MULTIPLE PARTS OF BODY-----	2	-	24	-	24	28	42	-	12,000	-	-	-	-	792	792	-
TOTAL OR AVERAGE-----	4	-	24	24	28	14	42	24,000	-	-	-	-	-	792	792	885
MACHINERY:																
EAR-----	-	-	2	-	2	2	3	-	-	-	-	-	-	13	13	-
EYE-----	-	-	13	-	13	13	35	-	-	-	-	-	-	20	20	-
MOUTH/TEETH/TONGUE-----	-	-	1	-	1	1	1	-	-	-	-	-	-	1	1	-
FACE, NEC-----	-	-	1	-	1	1	1	-	-	-	-	-	-	1	1	-
HEAD, NEC-----	-	-	1	-	1	1	1	-	-	-	-	-	-	1	1	-
ELBOW-----	-	-	1	-	1	1	1	-	-	-	-	-	-	2	2	-
ARIST-----	-	-	2	-	2	2	4	-	-	-	-	-	-	3	3	-
HAND-----	-	-	3	-	3	3	6	-	-	-	-	-	-	74	74	-
FINGER(S)-----	-	-	5	-	5	5	13	-	-	-	-	-	-	255	255	-
UPPER EXTREMITIES, NEC-----	-	-	2	-	2	2	10	-	-	-	-	-	-	9	9	-
BACK-----	-	-	8	-	8	8	2	-	-	-	-	-	-	240	240	-
CHEST-----	-	-	1	-	1	1	3	-	-	-	-	-	-	53	53	-
SHOULDER(S)-----	-	-	3	-	3	3	3	-	-	-	-	-	-	63	63	-
Intestine-----	-	-	1	-	1	1	1	-	-	-	-	-	-	1	1	-
KNEE-----	-	-	1	-	1	1	1	-	-	-	-	-	-	11	11	-
LOWER LEG-----	-	-	2	-	2	2	2	-	-	-	-	-	-	60	60	-
ANKLE-----	-	-	1	-	1	1	6	-	-	-	-	-	-	190	190	-
FOOT-----	-	-	6	-	6	6	12	-	-	-	-	-	-	299	299	-
LOWER EXTREMITIES, NEC-----	-	-	9	-	9	9	1	-	-	-	-	-	-	7	7	-
BODY SYSTEMS-----	1	-	1	-	1	4	5	-	6,000	-	-	-	-	21	21	-
MULTIPLE PARTS OF BODY-----	1	-	3	-	3	4	1	-	-	-	-	-	-	21	21	-
TOTAL OR AVERAGE-----	1	2	66	68	69	42	111	6,000	-	220	1,144	110	17	1,364	1,364	107

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL CONTRACTIONS COAL OPERATIONS IN THE UNITED STATES, 1985 (CONTINUED)

ACCIDENT CLASSIFICATION 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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		TOTAL	PARTIAL	TOTAL				PARTIAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
SUP OR FALL OF PERSON: HEAD, NEC----- UPPER ARM----- ELBOW----- WRIST----- HAND----- UPPER EXTREMITIES, NEC----- BACK----- CHEST----- PELVIC REGION----- SHOULDER(S)----- TRUNK, NEC----- KNEE----- LOWER LEG----- ANKLE----- FOOT----- LOWER EXTREMITIES, NEC----- MULTIPLE PARTS OF BODY----- UNCLASSIFIED----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFIDL				TOTAL FATAL AND NFIDL	TOTAL INJURIES	NFIDL	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL	
		PERMANENT	TEMPO- RARY	TOTAL	TOTAL NFIDL					TOTAL NFIDL							
TOTAL	PARTIAL																
TOTAL OR AVERAGE:	-	-	3	23	3	23	1	36	-	-	-	-	-	-	5	14	5
EAR:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	47	2
EYE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
JAW:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
MOUTH/TEETH/TONGUE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
FACE, NEC:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
HEAD, NEC:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
NECK:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
UPPER ARM:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
ELBOW:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
FOREARM:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
WRIST:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
HAND:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
FINGER(S):	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
UPPER EXTREMITIES, NEC:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
ARM/ARM:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
BACK:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
CHEST:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
PELVIC REGION:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
SHOULDER(S):	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
TRUNK, NEC:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
THIGH:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
KNEE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
LOWER LEG:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
ANKLE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
FOOT:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
TOE(S):	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
LOWER EXTREMITIES, NEC:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
BODY SYSTEMS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
MULTIPLE PARTS OF BODY:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
UNCLASSIFIED:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
TOTAL OR AVERAGE:	6	6	335	341	347	347	523	176	36,000	6,345	8,355	14,700	1,058	25	146	146	146

TABLE 20 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT ALL CONTRACTOR COAL 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	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFDL
-	-	2	2	2	-	2	-	-	-	29	-	29	14	14	3,000	
-	-	1	1	1	-	1	-	-	-	3,000	-	3,000	-	14	14	3,000
-	-	2	2	2	-	2	-	-	-	-	-	-	-	14	14	3,000
-	-	4	4	4	-	4	-	-	-	3,000	-	3,000	-	14	14	3,000
TOTAL OR AVERAGE	-	1	5	5	-	5	-	-	-	3,058	-	3,058	-	14	14	612
ELECTRICAL: ELECTRIC SHOCK ELECT. BURN (CONTACT) RADIATION/ULTRA VIOLET TOTAL OR AVERAGE	-	2	2	2	-	2	-	-	-	29	-	29	-	14	14	3,000
EXPLODING VESSEL UNDER PRESSURE BURN/SCALD (NOT CHEM.) TOTAL OR AVERAGE	-	1	1	1	-	1	-	-	-	17	-	17	-	17	17	3,000
EXPLOSIVE AND BREAKING AGENT POISONING (SYSTEMIC) MULTIPLE INJURIES TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	17	17	3,000
FALLING, ROLLING, OR SLIDING MATERIAL CONTUSION OR BRUISE TOTAL OR AVERAGE	-	-	-	-	-	-	-	6,000	-	-	-	-	-	-	-	6,000
FALL OF FACE, RIB, SIDE OR HIGHWALL CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE	-	-	-	-	-	-	-	5,000	-	-	-	-	-	-	-	5,000
FALL OF ROOF (UNDER- GROUND MINES ONLY) CONTUSION OR BRUISE OTHER INJURY, NEC TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIRE BURN/SCALD (NOT CHEM.) TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1985 (CONTINUED)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NFDL	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL	PARTIAL	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
HANDLING MATERIAL: CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DUST IN EYE----- FRACTURE----- SCRAATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY								
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	NFIL	TOTAL FATAL AND NFIL	FATAL	NFIL			TOTAL FATAL AND NFIL						
		PERMANENT	TEMPORARY							TOTAL	PERMANENT	TEMPORARY							
			PARTIAL	TOTAL															
		TOTAL																	
MACHINERY:	-	-	-	-	-	-	-	-	-	-	-	-	-						
AMPUTATION/ENVELOPMENT	-	2	-	4	2	2	-	220	-	-	-	-	220						
BURN/SCALD (NOT CHEM.)	-	-	4	1	4	1	-	15	-	-	-	-	15						
CHEMICAL BURN	-	-	1	1	1	1	-	2	-	-	-	-	2						
CONTUSION OR BRUISE	-	-	13	11	14	14	-	107	-	-	-	-	107						
CUT OR PUNCTURE	1	-	11	4	15	31	-	148	6,000	-	-	-	6,107						
DUST IN EYE	-	-	4	4	8	8	-	9	-	-	-	-	9						
FRACTURE	-	-	13	13	26	16	-	576	-	-	-	-	576						
POISONING (SYSTEMIC)	-	-	1	1	2	2	-	7	-	-	-	-	7						
RADIATION/ULTRA VIOLET	-	-	4	4	8	8	-	5	-	-	-	-	5						
SCRAATCH/ABRASION	-	-	3	3	6	6	-	10	-	-	-	-	10						
STRAIN/SPRAIN	-	-	3	9	12	12	-	245	-	-	-	-	245						
MULTIPLE INJURIES	-	-	3	3	6	6	-	20	-	-	-	-	20						
UNCLASSIFIED (NO DATA)	-	-	-	-	-	1	-	-	-	-	-	-	-						
TOTAL OR AVERAGE	1	-	2	66	69	111	42	1,364	6,000	1,144	110	17	1,524						
SLIP OR FALL OF PERSON:	-	-	-	-	-	-	-	-	-	-	-	-	-						
CONTUSION OR BRUISE	-	-	4	2	6	6	-	14	-	-	-	-	14						
CUT OR PUNCTURE	-	-	2	2	4	4	-	36	-	-	-	-	36						
DISLOCATION	-	-	14	14	28	28	-	64	-	-	-	-	64						
FRACTURE	-	-	1	1	2	2	-	988	-	-	-	-	988						
HERNIA (NOT DISC)	-	-	33	33	66	66	-	88	-	-	-	-	88						
STRAIN/SPRAIN	-	-	16	17	33	33	-	763	-	-	-	-	763						
MULTIPLE INJURIES	-	-	1	8	9	9	-	3,316	-	-	-	-	3,316						
UNCLASSIFIED (NO DATA)	-	-	-	-	-	12	-	196	-	-	-	-	196						
TOTAL OR AVERAGE	-	-	1	80	81	103	22	5,455	-	2,455	3,000	31	8,911						
STEPPING OR KNEELING ON OBJECT:	-	-	-	-	-	-	-	-	-	-	-	-	-						
CUT OR PUNCTURE	-	-	2	1	3	3	-	14	-	-	-	-	14						
FRACTURE	-	-	1	4	5	5	-	46	-	-	-	-	46						
STRAIN/SPRAIN	-	-	-	-	-	4	-	23	-	-	-	-	23						
TOTAL OR AVERAGE	-	-	-	7	7	7	-	83	-	-	-	-	83						
STRIKING OR BUMPING:	-	-	-	-	-	-	-	-	-	-	-	-	-						
CONTUSION OR BRUISE	-	-	-	-	-	1	-	-	-	-	-	-	-						
FRACTURE	-	-	-	1	1	1	-	124	-	-	-	-	124						
STRAIN/SPRAIN	-	-	-	1	1	2	-	-	-	-	-	-	-						
MULTIPLE INJURIES	-	-	-	-	-	5	-	124	-	-	-	-	124						
TOTAL OR AVERAGE	-	-	-	1	1	4	-	124	-	-	-	-	124						

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

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	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 NFIL				TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFIL
-	-	1	-	1	1	-	-	75	-	75	75	2	75	2	
-	-	1	-	1	1	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
-	-	2	-	2	4	-	-	-	-	-	-	-	-	-	
-	-	3	-	3	4	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
-	-	6	-	7	15	-	-	75	-	196	75	20	28		
TOTAL OR AVERAGE-----	-	1	7	7	8	-	-	-	-	196	75	20	28		
OTHER INJURIES:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMPUTATION/ENCLAVATION-----	-	-	4	-	4	4	-	-	345	345	86	-	86		
CHEMICAL BURN-----	1	-	-	-	-	6,000	-	-	-	6,000	-	-	6,000		
BURN/SCALD (NOT CHEM.)-----	-	-	6	-	6	-	-	-	-	35	-	-	35		
CHEMICAL BURN-----	-	-	4	-	4	-	-	-	-	10	-	-	10		
CONCUSSION OR BRUISE-----	3	-	35	-	38	18,000	-	-	-	257	-	-	257		
CUT OR PUNCTURE-----	-	-	36	-	36	-	-	-	-	370	-	-	370		
DISLOCATION-----	-	-	2	-	2	-	-	-	-	64	-	-	64		
DUST IN EYE-----	-	-	5	-	5	-	-	-	-	10	-	-	10		
ELECTRIC SHOCK-----	-	-	2	-	2	-	-	-	-	29	-	-	29		
ELECT. BURN (CONTACT)-----	-	1	-	-	1	-	-	-	-	-	-	-	-		
FRACTURE-----	-	-	52	-	52	-	-	-	-	2,323	-	-	2,323		
HEMIA (NOT DISC)-----	-	-	1	-	1	-	-	-	-	68	-	-	68		
POISONING (SYSTEMIC)-----	-	-	3	-	3	-	-	-	-	20	-	-	20		
RADIATION/ULTRA VIOLET-----	-	-	5	-	5	-	-	-	-	34	-	-	34		
SCRATCH/ABRASION-----	-	-	5	-	5	-	-	-	-	170	-	-	170		
STRAIN/SPRAIN-----	-	-	121	-	121	-	-	-	-	3,318	-	-	3,318		
MULTIPLE INJURIES-----	2	-	38	-	41	12,000	-	-	-	3,991	-	-	3,991		
OTHER INJURY, NEC-----	-	-	2	-	2	-	-	-	-	212	-	-	212		
UNCLASSIFIED (NO DATA)-----	-	-	17	-	17	-	-	-	-	444	-	-	444		
TOTAL OR AVERAGE-----	6	6	335	341	347	36,000	-	-	-	8,355	6,345	1,058	25	146	

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT ALL CONTRACTOR COAL 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 (NON-TOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
SURFACE AT UG:								
ALL COAL:	1	-	-	-	-	-	-	1
VIRGINIA-----								
TOTAL-----	1	-	-	-	-	-	-	1
TOTAL UNDERGROUND:								
ALL COAL:	1	-	-	-	-	-	-	1
VIRGINIA-----								
TOTAL-----	1	-	-	-	-	-	-	1
SURFACE MINES:								
STRIP- COAL:	-	-	-	-	-	2	-	2
ALL COAL:	-	-	-	-	-	2	-	2
OHIO-----								
TOTAL-----	-	-	-	-	-	2	-	2
TOTAL SURFACE:								
ALL COAL:	-	-	-	-	-	2	-	2
OHIO-----								
TOTAL-----	-	-	-	-	-	2	-	2
TOTAL MINING:								
ALL COAL:	-	-	-	-	-	2	-	2
OHIO-----								
VIRGINIA-----	1	-	-	-	-	-	-	1
TOTAL-----	1	-	-	-	-	2	-	3
TOTAL MINES AND PLANTS:								
ALL COAL:	-	-	-	-	-	2	-	2
OHIO-----								
VIRGINIA-----	1	-	-	-	-	-	-	1
TOTAL-----	1	-	-	-	-	2	-	3
GRAND TOTAL:								
ALL COAL:	-	-	-	-	-	2	-	2
OHIO-----								
VIRGINIA-----	1	-	-	-	-	-	-	1
TOTAL-----	1	-	-	-	-	2	-	3

TABLE 22 - 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	NDI	NDI INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED	PRODUCTION REPORTED (SHORT TONS)
BITUMINOUS COAL:											
UNDERGROUND MINES--	1		60		18		78				
SURFACE--	1		34		42		137				
TOTAL, UNDERGROUND MINES--	2		94								
SURFACE MINES--	3		123		34		210				
AUGER MINES--	1		3		2		5				
OTHER SURFACE MINES--	3		126		85		215				
TOTAL, SURFACE MINES--	7		252		128		552				
TOTAL, PRODUCTION MINING--	9		350		150		807				
PREPARATION PLANTS--	4		110		42		152				
INDEPENDENT SHOPS/YARDS--	2		111		43		154				
TOTAL, OTHER OPERATIONS--	6		221		85		306				
TOTAL, BITUMINOUS MINING--	15		571		235		1113				
PENNSYLVANIA ANTHRACITE COAL:											
UNDERGROUND MINES--	1		1		1		1				
SURFACE--	1		1		1		1				
TOTAL, UNDERGROUND MINES--	2		2		2		2				
SURFACE MINES--	1		4		1		5				
AUGER MINES--	1		1		1		1				
OTHER SURFACE MINES--	1		1		1		1				
TOTAL, SURFACE MINES--	3		6		2		7				
TOTAL, PRODUCTION MINING--	5		8		4		12				
PREPARATION PLANTS--	1		1		1		1				
INDEPENDENT SHOPS/YARDS--	1		1		1		1				
TOTAL, OTHER OPERATIONS--	2		2		2		2				
TOTAL, ANTHRACITE MINING--	7		11		7		14				
ALL COAL:											
UNDERGROUND MINES--	1		60		19		79		1,278	1,278,715	258,553
SURFACE--	1	0.05	94		94		137		2,001	2,001,622	258,553
TOTAL, UNDERGROUND MINES--	2		154		113		216		3,279	3,279,337	517,106
SURFACE MINES--	3	0.05	123		84		214		3,309	3,309,505	2,320,522
AUGER MINES--	1		3		2		5		72	72,421	450,322
OTHER SURFACE MINES--	3		126		85		215		3,381	3,381,183	4,19,939
TOTAL, SURFACE MINES--	7		252		171		430		6,762	6,762,604	2,440,833
TOTAL, PRODUCTION MINING--	9		350		224		574		9,041	9,041,940	2,998,936
PREPARATION PLANTS--	4		110		42		152		2,334	2,334,412	-
INDEPENDENT SHOPS/YARDS--	2		111		43		154		2,334	2,334,412	-
TOTAL, OTHER OPERATIONS--	6		221		85		306		4,668	4,668,824	-
TOTAL, ALL COAL--	15		571		312		1,113		12,639	12,639,362	5,448,936
OTHER WORKERS:											
BITUMINOUS	1		3		3		3		2	2,434	-
ANTHRACITE	1		3		3		3		2	2,434	-
TOTAL, OTHER WORKERS--	2		6		6		6		4	4,868	-
GRAND TOTAL--	17	0.05	577		318		1,119		12,643	12,644,230	5,448,936

TABLE 2.3 - 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	NOL	NOL INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED
UNDERGROUND MINES:										
METAL-----	1		53		32		86			
NONMETAL-----			2		1		11			
STONE-----	1	32	50	5.21	35	3.03	99	6.57	3,075	2,309,341
TOTAL, UNDERGROUND MINES-----										
SURFACE MINES:										
METAL-----	2		107		7		109			
NONMETAL-----	2		10		1		12			
STONE-----	2		11		1		13			
SUBTOTAL, SURFACE MINES-----										
SAND AND GRAVEL-----	10	11	14	1.79	13	1.19	358	4.59	13,115	16,026,741
TOTAL, SURFACE MINES-----										
TOTAL, MINES-----	1	32	107	1.51	45	1.57	457	5.05	16,191	18,336,082
MILLS:										
METAL-----	1		10		1		11			
NONMETAL-----	1		1		1		2			
STONE-----	1		1		1		2			
TOTAL, MILLS-----										
INDEPENDENT SHOPS AND YARDS:										
METAL-----	1		1		1		2			
NONMETAL-----	1		1		1		2			
STONE-----	1		1		1		2			
TOTAL, SHOPS AND YARDS-----										
ALL MINES, MILLS AND SHOPS										
METAL-----	3		1		1		4			
NONMETAL-----	2		1		1		3			
STONE-----	4		1		1		5			
SUBTOTAL-----	10		3		3		12			
SAND AND GRAVEL-----	1	26	14	1.74	13	1.14	27	7.73	24,878	28,768,206
TOTAL, MINES/MILLS/SHOPS-----										
OFFICEWORKERS:										
METAL-----	1		1		1		2			
NONMETAL-----	1		1		1		2			
STONE-----	1		1		1		2			
SAND AND GRAVEL-----	1		1		1		2			
TOTAL, OFFICEWORKERS-----										
SUMMARY TOTAL (INCLUDES OFFICE- WORKERS):										
METAL-----	3		45		22		70			
NONMETAL-----	3		18		3		23			
STONE-----	4		18		3		25			
SUBTOTAL-----	10		65		28		103			
SAND AND GRAVEL-----	1	26	17	4.45	14	2.95	32	7.48	26,218	30,356,959
GRAND TOTAL-----	11	26	67		42		135			

-END-

DATE FILMED

01 / 29 / 91