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Injury Experience in Coal Mining, 1990

U.S. Department of Labor

Lynn Martin, Secretary

Mine Safety and Health Administration

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INJURY EXPERIENCE IN COAL MINING, 1990

by

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ABSTRACT

This Mine Safety and Health Administration (MSHA) informational report reviews in detail the occupational injury and illness experience of coal mining in the United States for 1990. 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.

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

MSHA issued guidelines which additionally reduced the reporting requirements of independent contractors. Reporting of employment, hours worked, and injury/illness data by independent contractors is limited to the following types of work performed: mine development, including shaft and slope sinking; construction or reconstruction of mine facilities, including building or rebuilding preparation plants and mining equipment, and building additions to existing facilities;

demolition of mine facilities; construction of dams; excavation or earthmoving activities involving mobile equipment; equipment installation, such as crushers and mills; equipment service or repair done underground or in the pit for a period exceeding five consecutive days at a particular mine; material handling within mine property, including haulage of coal, ore, refuse, etc., unless for the sole purpose of direct removal from or delivery to mine property; drilling and blasting. Also, data collected for employment and hours worked in those activities reflect the contractor's total metallic/nonmetallic work locations and total coal work locations and not the individual mine sites. For more detailed information concerning these changes, see the guidelines accompanying MSHA Policy Memoranda Nos. 82-6A MM and 81-35A C.

DEFINITION OF TERMS

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

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

Number of Operations and Associated Work Locations.--Number of operations is the number of individual respondents with a unique Federal identification number that have reported worktime data. The count and kind of operation are based on the lowest numbered (primary) subunit on employment report Form 7000-2 (see figure 2, p. 10) that contains worktime data. An associated work location is a subunit reported with a primary subunit, e.g., an "office" is almost always an associated work location. Independent contractors working on mine property performing the types of work described under "Scope of Statistics" are assigned an identification number, report to MSHA, but are not included in the count of operations; 2,376 contractors in the coal mining industry reported to MSHA in 1990. Contractor data are depicted separately in this report.

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

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

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:

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

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

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

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

Entrapment.--Accidents involving entrapment of persons.

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

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

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

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

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

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

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

Handtools.--Accidents related to nonpowered tools.

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

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

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

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

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

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

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

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

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

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

Other.--Accidents not elsewhere classified.

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

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

<u>Disability</u>	<u>Lost Workdays Charged</u> 1/
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

1/ 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)

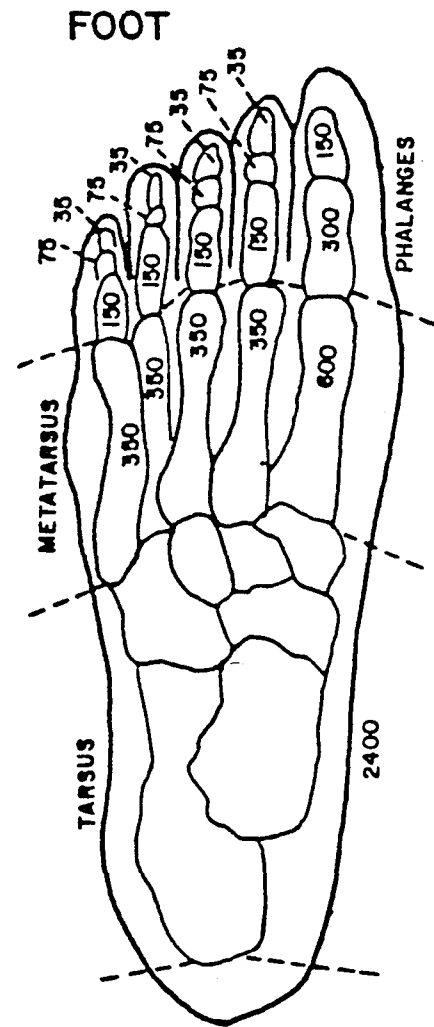
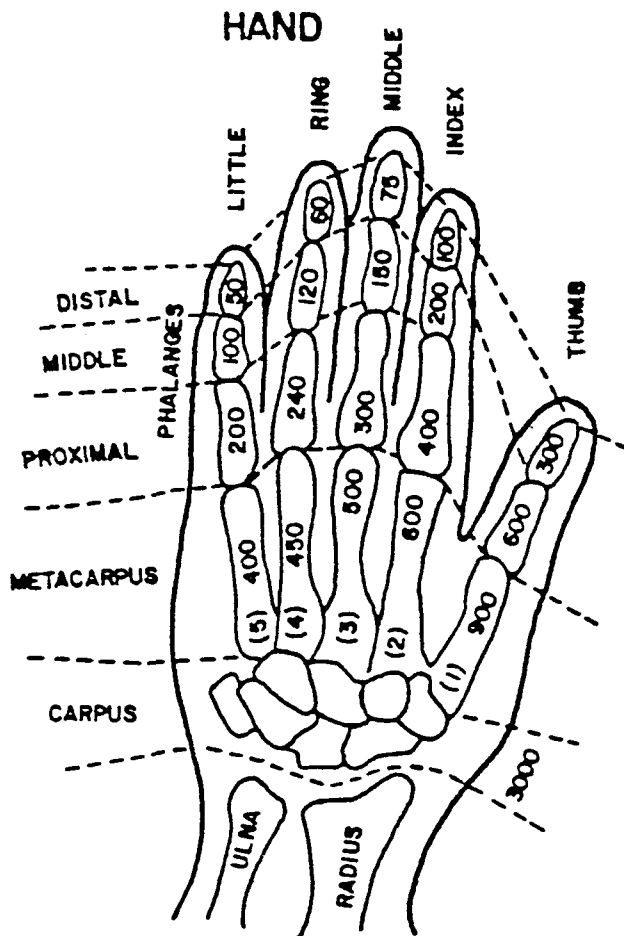
The following reference guide facilitates locating particular data elements contained in the annual statistical tables for operators. A comparable guide precedes the contractor section of this report. The number appearing in each cell indicates the table number in which that particular element may be 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	Number of occupational illnesses
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										
	12			12	12										
Nature of injury	19			19	19										
	10	10	10												
	11			11	11										
	12			12	12										
Production size group	20			20	20										
	15					15	15	15	15	15		15	15		
Occupation at time of injury	16			16	16										
	17			17	17										
Accident classification	18			18	18										
	19			19	19										
	20			20	20										
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.



Note:

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

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

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

Quarterly Mine Employment
and Coal Production Report

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



Do Not Write in This Space

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

This report is required by law (30 U.S.C. § 813; 30 C.F.R. Part 50). Failure to report can result in the institution of a civil action for relief under 30 U.S.C. § 818 respecting an operator of a coal or other mine, and assessment of a civil penalty against an operator of a coal or other mine under 30 U.S.C. § 820(a). An individual who, being subject to the Federal Mine Safety and Health Act of 1977 (30 U.S.C. § 801 et seq.) knowingly makes a false statement in any report can be punished by a fine of not more than \$10,000 or by imprisonment for not more than 3 years, or both, under 30 U.S.C. § 820(f). Any individual who knowingly and willfully makes any false, fictitious, or fraudulent statements, conceals a material fact, or makes a false, fictitious, or fraudulent entry, with respect to any matter within the jurisdiction of any agency of the United States can be punished by a fine of not more than \$10,000, or imprisonment for not more than 3 years, or both, under 18 U.S.C. § 1001.

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. Sand and Gravel operators report employment data under code 03 or 06 as appropriate, except for data on office workers which should be reported under code 99.
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.

MSHA, Health and Safety Analysis Center
P.O. Box 25367
Denver, Colorado 80225

Date Report Completed

Mo. Day Yr.

For Quarter

Mail Before

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

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

County

Operation Name

Operating Company Name and Mailing Address

MSHA ID Number

Contractor ID

County:

Operation Name

Operating Company Name and Address

Return To MSHA

1. Persons Working, Employee-Hours, and Coal Production					
(1) Operation Sub Unit Code(s) previously reported:		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	Underground	01			
	Surface Shops, Yards, Etc.	02			
Surface Mine (including shops and yards)	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?

Name	Title	Phone (incl. Area Code)
Person to be contacted regarding this report		

MSHA Form 7000-2, May 85 (Revised)

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

Mine Accident, Injury and Illness Report

U.S. Department of Labor

Mine Safety and Health Administration



Form Approved, OMB No. 1219-0007, Expires June 30, 1988

● Section A—Identification Data

MSHA ID Number	Contractor ID	Report Category ☐ Metal/Nonmetal Mining ☐ Coal Mining	☐ Check here if report pertains to contractor.
Mine Name		Company Name	

● Section B—Complete for Each Reportable Accident Immediately Reported to MSHA

1. Accident Code (circle applicable code — see instructions)		01 — Death	02 — Serious Injury	03 — Entrapment
04 — Inunctionation	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 30 Mill, Preparation Plant, etc. 03 Strip/Open Pit Mine 04 Surface Auger Operation 05 Cull Bank/Refuse Pile 06 Dredge Mining 12 Other Surface Mining 17 Independent Shops (with own MSHA ID) 99 Office Facilities				
(b) Underground Location: 01 Vertical Shaft 02 Slope/Inclined Shaft 03 Face 04 Intersection 05 Underground Shop/Office 06 Other				
(c) Underground Mining Method: 01 Longwall 02 Shortwall 03 Conventional Stopping 05 Continuous Mining 06 Hand 07 Caving 08 Other				
6. Date of Accident Month Day Year		7. Time of Accident ☐ 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	10
11. Name of Witness to Accident/Injury/Illness		12. Number of Reportable Injuries or Illnesses Resulting from This Occurrence			Man
13. Name of Injured/III Employee		14. Sex ☐ Male ☐ Female		15. Date of Birth Month Day Year	12 14 16
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).	17 18 19
20. What Directly Inflicted Injury or Illness?		21. Nature of Injury or Illness			20 21
22. Part of Body Injured or Affected		23. Occupational Illness (circle applicable code—see instructions) 22 Dust Diseases of the Lungs 23 Respiratory Conditions (toxic agents) 24 Poisoning (toxic materials) 25 Disorders (physical agents) 26 Disorders (repeated trauma) 29 Other			22 24

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)	31. Number of Days Restricted Work Activity (if none, enter 0)
		Month Day Year			

Person Completing Form (name)

Title

Date This Report Prepared (month, day, year)

Area Code and Phone Number

MSHA Form 7000-1, Feb 60 (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 25267, 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, 1990

	EXCLUDING OFFICEWORKERS					INCLUDING OFFICEWORKERS				
	1986	1987	1988	1989	1990	1986	1987	1988	1989	1990
NUMBER OF INJURIES:										
FATAL-----	84	58	43	62	59	84	58	43	62	59
NFDL-----	9,151	12,063	12,187	11,634	11,823	9,165	12,079	12,200	11,659	11,840
TOTAL LWD INJURIES-----	9,235	12,121	12,230	11,696	11,882	9,249	12,137	12,243	11,721	11,899
NDI-----	2,686	4,018	3,974	3,826	3,365	2,696	4,043	3,983	3,842	3,376
TOTAL INJURIES-----	11,921	16,139	16,204	15,522	15,247	11,945	16,180	16,226	15,563	15,275
INCIDENCE RATES:										
FATAL-----	.05	.04	.03	.05	.04	.05	.04	.03	.04	.04
NFDL-----	5.99	8.46	8.94	8.72	8.62	5.70	8.05	8.50	8.30	8.23
ALL LWD INJURIES-----	6.04	8.50	8.97	8.77	8.66	5.75	8.09	8.53	8.35	8.27
NDI-----	1.76	2.82	2.92	2.87	2.45	1.68	2.69	2.78	2.74	2.35
ALL INJURIES-----	7.80	11.31	11.89	11.63	11.12	7.43	10.78	11.31	11.08	10.61
INJURIES PER MILLION TONS:										
FATAL-----	.10	.06	.05	.06	.06	.10	.06	.05	.06	.06
NFDL-----	10.50	13.43	12.98	12.01	11.61	10.52	13.45	12.99	12.04	11.63
ALL LWD INJURIES-----	10.60	13.50	13.02	12.08	11.67	10.62	13.51	13.04	12.10	11.69
NDI-----	3.08	4.47	4.23	3.95	3.31	3.09	4.50	4.24	3.97	3.32
ALL INJURIES-----	13.68	17.97	17.26	16.03	14.98	13.71	18.02	17.28	16.07	15.01
SEVERITY MEASURES:										
FATAL-----	330	244	189	279	258	314	232	180	265	246
NFDL-----	251	312	332	303	424	239	297	316	289	404
ALL LWD INJURIES-----	581	556	521	582	682	552	529	495	554	650
LOST WORKDAYS PER MILLION TONS:										
FATAL-----	578	387	275	384	348	578	387	275	384	348
NFDL-----	440	496	481	418	571	441	497	482	419	571
ALL LWD INJURIES-----	1,019	883	756	802	919	1,019	884	757	803	919
AVERAGE SEVERITY:										
PERMANENT PARTIAL-----	284	296	268	266	498	283	295	268	265	498
TEMPORARY NFDL-----	34	32	32	30	38	34	32	32	30	38
ALL LWD INJURIES-----	96	65	58	66	79	96	65	58	66	79
AVERAGE NUMBER OF EMPLOYEES----	163,331	150,890	143,273	137,730	139,025	172,236	158,994	151,145	145,407	146,505
EMPLOYEE-HOURS WORKED-----	305,557,040	285,339,270	272,639,612	266,844,685	274,272,851	321,530,196	300,167,267	286,906,684	280,877,140	287,820,788
PRODUCTION (SHORT TONS)-----	871,254,371	898,071,062	939,014,695	968,551,488	1,017,923,369	871,254,371	898,071,062	939,014,695	968,551,488	1,017,923,369
TONS PER EMPLOYEE-HOUR-----	2.85	3.15	3.44	3.63	3.71	2.71	2.99	3.27	3.45	3.54
OPERATIONS REPORTED:										
NUMBER OF OPERATIONS-----	5,087	4,895	4,639	4,375	4,292	5,115	4,918	4,674	4,414	4,320
ASSOCIATED WORK LOCATIONS----	1,858	1,875	1,748	1,705	1,744	3,471	3,443	3,299	3,226	3,303

TABLE 1A. - GENERAL STATISTICS ON INJURY EXPERIENCE, WORKTIME, PRODUCTION, AND PRODUCTIVITY AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1990

	EXCLUDING OFFICEWORKERS					INCLUDING OFFICEWORKERS				
	1986	1987	1988	1989	1990	1986	1987	1988	1989	1990
NUMBER OF INJURIES:										
FATAL-----	4	-	1	1	2	4	-	1	1	2
NFDL-----	166	146	146	177	191	166	146	146	177	191
TOTAL LWD INJURIES-----	170	146	147	178	193	170	146	147	178	193
NDL-----	13	17	26	60	38	13	17	27	60	38
TOTAL INJURIES-----	183	163	173	238	231	183	163	174	238	231
INCIDENCE RATES:										
FATAL-----	.18	-	.06	.06	.11	.17	-	.06	.06	.10
NFDL-----	7.35	7.97	8.60	10.43	10.34	6.96	7.58	8.16	9.93	9.80
ALL LWD INJURIES-----	7.52	7.97	8.66	10.49	10.45	7.12	7.58	8.22	9.99	9.90
NDL-----	.58	.93	1.53	3.54	2.06	.54	.88	1.51	3.37	1.95
ALL INJURIES-----	8.10	8.90	10.19	14.03	12.51	7.67	8.46	9.73	13.36	11.85
INJURIES PER MILLION TONS:										
FATAL-----	1.04	-	.33	.33	.63	1.04	-	.33	.33	.63
NFDL-----	43.30	44.47	47.52	57.80	60.24	43.30	44.47	47.52	57.80	60.24
ALL LWD INJURIES-----	44.34	44.47	47.84	58.13	60.88	44.34	44.47	47.84	58.13	60.88
NDL-----	3.39	5.18	8.46	19.59	11.99	3.39	5.18	8.79	19.59	11.99
ALL INJURIES-----	47.73	49.65	56.31	77.72	72.86	47.73	49.65	56.63	77.72	72.86
SEVERITY MEASURES:										
FATAL-----	1,062	-	353	354	650	1,006	-	335	337	616
NFDL-----	394	589	295	432	823	373	560	280	411	779
ALL LWD INJURIES-----	1,456	589	648	786	1,472	1,378	560	615	748	1,395
LOST WORKDAYS PER MILLION TONS:										
FATAL-----	6,260	-	1,953	1,959	3,785	6,260	-	1,953	1,959	3,785
NFDL-----	2,320	3,286	1,629	2,394	4,791	2,320	3,286	1,629	2,394	4,791
ALL LWD INJURIES-----	8,580	3,286	3,582	4,353	8,576	8,580	3,286	3,582	4,353	8,576
AVERAGE SEVERITY:										
PERMANENT PARTIAL-----	525	4,500	50	87	82	525	4,500	50	87	82
TEMPORARY NFDL-----	42	43	34	40	47	42	43	34	40	47
ALL LWD INJURIES-----	193	74	75	75	141	193	74	75	75	141
AVERAGE NUMBER OF EMPLOYEES----	2,841	2,373	2,281	2,120	2,159	2,987	2,493	2,392	2,234	2,285
EMPLOYEE-HOURS WORKED-----	4,519,556	3,661,716	3,396,622	3,393,289	3,693,082	4,773,296	3,854,634	3,577,431	3,563,833	3,897,607
PRODUCTION (SHORT TONS)-----	3,833,684	3,283,274	3,072,423	3,062,090	3,170,405	3,833,684	3,283,274	3,072,423	3,062,090	3,170,405
TONS PER EMPLOYEE-HOUR-----	.85	.90	.90	.90	.86	.80	.85	.86	.86	.81
OPERATIONS REPORTED:										
NUMBER OF OPERATIONS-----	310	278	271	246	259	310	279	272	251	262
ASSOCIATED WORK LOCATIONS-----	75	70	78	73	75	127	118	119	116	125

TABLE 1B. - GENERAL STATISTICS ON INJURY EXPERIENCE, WORKTIME, PRODUCTION, AND PRODUCTIVITY AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990

	EXCLUDING OFFICEWORKERS					INCLUDING OFFICEWORKERS				
	1986	1987	1988	1989	1990	1986	1987	1988	1989	1990
NUMBER OF INJURIES:										
FATAL-----	80	58	42	61	57	80	58	42	61	57
NFDL-----	8,985	11,917	12,041	11,457	11,632	8,999	11,933	12,054	11,482	11,649
TOTAL LWD INJURIES-----	9,065	11,975	12,083	11,518	11,689	9,079	11,991	12,096	11,543	11,706
NDL-----	2,673	4,001	3,948	3,766	3,327	2,683	4,026	3,956	3,782	3,338
TOTAL INJURIES-----	11,738	15,976	16,031	15,284	15,016	11,762	16,017	16,052	15,325	15,044
INCIDENCE RATES:										
FATAL-----	.05	.04	.03	.05	.04	.05	.04	.03	.04	.04
NFDL-----	5.97	8.46	8.94	8.70	8.60	5.68	8.05	8.51	8.28	8.21
ALL LWD INJURIES-----	6.02	8.50	8.98	8.74	8.64	5.73	8.09	8.54	8.32	8.25
NDL-----	1.78	2.84	2.93	2.86	2.46	1.69	2.72	2.79	2.73	2.35
ALL INJURIES-----	7.80	11.34	11.91	11.60	11.10	7.43	10.81	11.33	11.05	10.60
INJURIES PER MILLION TONS:										
FATAL-----	.09	.06	.04	.06	.06	.09	.06	.04	.06	.06
NFDL-----	10.36	13.32	12.87	11.87	11.46	10.37	13.34	12.88	11.89	11.48
ALL LWD INJURIES-----	10.45	13.38	12.91	11.93	11.52	10.47	13.40	12.92	11.96	11.54
NDL-----	3.08	4.47	4.22	3.90	3.28	3.09	4.50	4.23	3.92	3.29
ALL INJURIES-----	13.53	17.85	17.13	15.83	14.80	13.56	17.90	17.15	15.87	14.83
SEVERITY MEASURES:										
FATAL-----	319	247	187	278	253	303	235	178	264	241
NFDL-----	249	309	332	302	418	237	294	316	287	399
ALL LWD INJURIES-----	568	556	519	580	671	540	529	494	551	640
LOST WORKDAYS PER MILLION TONS:										
FATAL-----	553	389	269	379	337	553	389	269	379	337
NFDL-----	432	486	478	412	558	432	486	478	413	558
ALL LWD INJURIES-----	985	875	747	791	895	986	875	747	792	895
AVERAGE SEVERITY:										
PERMANENT PARTIAL-----	279	277	272	272	507	278	276	272	271	507
TEMPORARY NFDL-----	34	32	32	30	38	34	32	32	30	38
ALL LWD INJURIES-----	94	65	58	66	78	94	65	58	66	78
AVERAGE NUMBER OF EMPLOYEES-----	160,490	148,517	140,992	135,610	136,866	169,249	156,501	148,753	143,173	144,220
EMPLOYEE-HOURS WORKED-----	301,037,484	281,677,554	269,242,990	263,451,396	270,579,769	316,756,900	296,312,633	283,329,253	277,313,307	283,923,181
PRODUCTION (SHORT TONS)-----	867,420,687	894,787,788	935,942,272	965,489,398	1,014,752,964	867,420,687	894,787,788	935,942,272	965,489,398	1,014,752,964
TONS PER EMPLOYEE-HOUR-----	2.88	3.18	3.48	3.66	3.75	2.74	3.02	3.30	3.48	3.57
OPERATIONS REPORTED:										
NUMBER OF OPERATIONS-----	4,777	4,617	4,368	4,129	4,033	4,805	4,639	4,402	4,163	4,058
ASSOCIATED WORK LOCATIONS-----	1,783	1,805	1,670	1,632	1,669	3,344	3,325	3,180	3,110	3,178

TABLE 2. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990

WORK LOCATION	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	NDL	TOTAL INJURIES															
		PERMANENT		TEMPO- RARY	TOTAL NFDL										FATAL	NFDL						ALL FATAL AND NFDL	
		TOTAL	PARTIAL																				
UNDERGROUND MINES:																							
UNDERGROUND-----	43	2	158	8,393	8,553	8,596	1,942	10,538	.06	12.74	12.80	2.89	15.70	384	635	1,020	69,168	134,269,368	1,735	-	-	419,794,441	
SURFACE AT UNDERGROUND-----	2	-	17	580	597	599	240	839	.03	8.57	8.60	3.44	12.04	172	381	554	7,609	13,937,176	42	1,399	-	-	
TOTAL OR AVERAGE-----	45	2	175	8,973	9,150	9,195	2,182	11,377	.06	12.35	12.41	2.94	15.35	364	612	976	76,777	148,206,544	1,777	1,399	-	419,794,441	
SURFACE MINES:																							
STRIP-----	9	-	33	1,639	1,672	1,681	786	2,467	.02	3.66	3.68	1.72	5.40	118	155	274	44,961	91,412,965	1,603	-	-	592,795,442	
AUGER-----	-	-	2	27	29	29	10	39	-	9.23	9.23	3.18	12.42	-	777	777	616	628,220	92	68	-	3,406,800	
CULM BANK-----	-	-	-	26	26	26	3	29	-	7.84	7.84	.90	8.75	-	378	378	453	663,171	67	8	-	1,648,839	
DREDGE-----	-	-	-	3	3	3		3	-	3.79	3.79		3.79	-	35	35	97	158,517	20	-	-	277,847	
TOTAL OR AVERAGE, SURFACE MINES-----	9	-	35	1,695	1,730	1,739	799	2,538	.02	3.73	3.75	1.72	5.47	116	161	277	46,127	92,862,873	1,782	76	-	598,128,928	
TOTAL OR AVERAGE, MINING-----	54	2	210	10,668	10,880	10,934	2,981	13,915	.04	9.03	9.07	2.47	11.54	269	438	707	122,904	241,069,417	3,559	1,475	-	1,017,923,369	
INDEPENDENT SHOPS-----	1	-	2	70	72	73	48	121	.09	6.63	6.72	4.42	11.13	552	203	755	1,113	2,173,425	82	-	-	-	
PROCESSING PLANTS-----	4	1	29	841	871	875	336	1,211	.03	5.61	5.64	2.17	7.81	155	328	483	15,008	31,030,009	651	269	-	-	
TOTAL OR AVERAGE, ALL MINES AND PLANTS-----	59	3	241	11,579	11,823	11,882	3,365	15,247	.04	8.62	8.66	2.45	11.12	258	424	682	139,025	274,272,851	4,292	1,744	-	1,017,923,369	
OFFICE-----	-	-	-	17	17	17	11	28	-	.25	.25	.16	.41	-	3	3	7,480	13,547,937	28	1,559	-	-	
GRAND TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,899	3,376	15,275	.04	8.23	8.27	2.35	10.61	246	404	650	146,505	287,820,788	4,320	3,303	-	1,017,923,369	

TABLE 2A. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1990

WORK LOCATION	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	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																			
UNDERGROUND MINES:																						
UNDERGROUND-----	-	-	1	8	9	9	2	11	-	4.56	4.56	1.01	5.57	-	267	267	317	394,939	75	-	415,518	
SURFACE AT UNDERGROUND----	-	-	-	2	2	2	1	3	-	3.25	3.25	1.62	4.87	-	13	13	99	123,144	1	64	-	
TOTAL OR AVERAGE-----	-	-	1	10	11	11	3	14	-	4.25	4.25	1.16	5.40	-	207	207	416	518,083	76	64	415,518	
SURFACE MINES:																						
STRIP-----	-	-	1	76	77	77	14	91	-	11.68	11.68	2.12	13.81	-	721	721	695	1,318,132	77	-	1,861,023	
AUGER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CULM BANK-----	-	-	-	16	16	16	3	19	-	8.27	8.27	1.55	9.82	-	487	487	250	387,092	37	2	892,847	
DREDGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3,135	3	-	1,017	
TOTAL OR AVERAGE, SURFACE MINES-----	-	-	1	92	93	93	17	110	-	10.89	10.89	1.99	12.88	-	666	666	949	1,708,359	117	2	2,754,887	
TOTAL OR AVERAGE, MINING-----	-	-	2	102	104	104	20	124	-	9.34	9.34	1.80	11.14	-	559	559	1,365	2,226,442	193	66	3,170,405	
INDEPENDENT SHOPS-----	-	-	-	3	3	3	3	6	-	7.56	7.56	7.56	15.12	-	559	559	44	79,365	4	-	-	
PROCESSING PLANTS-----	2	1	3	80	84	86	15	101	29	12.11	12.40	2.16	14.56	1,730	1,260	2,990	750	1,387,275	62	9	-	
TOTAL OR AVERAGE, ALL MINES AND PLANTS-----	2	1	5	185	191	193	38	231	11	10.34	10.45	2.06	12.51	650	823	1,472	2,159	3,693,082	259	75	3,170,405	
OFFICE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126	204,525	3	50	-	
GRAND TOTAL OR AVERAGE----	2	1	5	185	191	193	38	231	10	9.80	9.90	1.95	11.85	616	779	1,395	2,285	3,897,607	262	125	3,170,405	

TABLE 2B. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990

WORK LOCATION	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	NDI	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDI	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT		TEMPO- RARY	TOTAL NFDL																	
		TOTAL	PARTIAL																			
UNDERGROUND MINES:																						
UNDERGROUND-----	43	2	157	8,385	8,544	8,587	1,940	10,527	.06	12.76	12.83	2.90	15.73	385	637	1,022	68,851	133,874,429	1,660	-	-	419,378,923
SURFACE AT UNDERGROUND----	2	-	17	578	595	597	239	836	.03	8.61	8.64	3.46	12.10	174	385	558	7,510	13,814,032	41	1,335	-	-
TOTAL OR AVERAGE-----	45	2	174	8,963	9,139	9,184	2,179	11,363	.06	12.38	12.44	2.95	15.39	366	613	979	76,361	147,688,461	1,701	1,335	-	419,378,923
SURFACE MINES:																						
STRIP-----	9	-	32	1,563	1,595	1,604	772	2,376	.02	3.54	3.56	1.71	5.27	120	147	267	44,266	90,094,833	1,526	-	-	590,934,419
AUGER-----	-	-	2	27	29	29	10	39	-	9.23	9.23	3.18	12.42	-	777	777	616	628,220	92	68	6	3,406,800
CULM BANK-----	-	-	-	10	10	10	-	10	-	7.24	7.24	-	7.24	-	227	227	203	276,079	30	6	-	755,992
DREDGE-----	-	-	-	3	3	3	-	3	-	3.86	3.86	-	3.86	-	36	36	93	155,382	17	-	-	276,830
TOTAL OR AVERAGE, SURFACE MINES-----	9	-	34	1,603	1,637	1,646	782	2,428	.02	3.59	3.61	1.72	5.33	118	152	270	45,178	91,154,514	1,665	74	-	595,374,041
TOTAL OR AVERAGE, MINING-----	54	2	208	10,566	10,776	10,830	2,961	13,791	.05	9.02	9.07	2.48	11.55	271	437	708	121,539	238,842,975	3,366	1,409	-	1,014,752,964
INDEPENDENT SHOPS-----	1	-	2	67	69	70	45	115	.10	6.59	6.69	4.30	10.98	573	190	763	1,069	2,094,060	78	-	-	-
PROCESSING PLANTS-----	2	-	26	761	787	789	321	1,110	.01	5.31	5.32	2.17	7.49	81	284	365	14,258	29,642,734	589	260	-	-
TOTAL OR AVERAGE, ALL MINES AND PLANTS-----	57	2	236	11,394	11,632	11,689	3,327	15,016	.04	8.60	8.64	2.46	11.10	253	418	671	136,866	270,579,769	4,033	1,669	-	1,014,752,964
OFFICE-----	-	-	-	17	17	17	11	28	-	.25	.25	.16	.42	-	3	3	7,354	13,343,412	25	1,509	-	-
GRAND TOTAL OR AVERAGE-----	57	2	236	11,411	11,649	11,706	3,338	15,044	.04	8.21	8.25	2.35	10.60	241	399	640	144,220	283,923,181	4,058	3,178	-	1,014,752,964

TABLE 3. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990

WORK LOCATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO-RARY	TOTAL NFDL					PERMANENT		TEMPO-RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND-----	43	2	158	8,393	8,553	8,596	1,942	10,538	258,000	12,000	82,590	332,013	426,603	684,603	523	40	80
SURFACE AT UNDERGROUND----	2	-	17	580	597	599	240	839	12,000	-	5,485	21,092	26,577	38,577	323	36	64
TOTAL OR AVERAGE-----	45	2	175	8,973	9,150	9,195	2,182	11,377	270,000	12,000	88,075	353,105	453,180	723,180	503	39	79
SURFACE MINES:																	
STRIP-----	9	-	33	1,639	1,672	1,681	786	2,467	54,000	-	15,725	55,345	71,070	125,070	477	34	74
AUGER-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	2,441	630	44	84
CULM BANK-----	-	-	-	26	26	26	3	29	-	-	-	1,255	1,255	1,255	-	48	48
DREDGE-----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9
TOTAL OR AVERAGE, SURFACE MINES-----	9	-	35	1,695	1,730	1,739	799	2,538	54,000	-	16,985	57,809	74,794	128,794	485	34	74
TOTAL OR AVERAGE, MINING-----	54	2	210	10,668	10,880	10,934	2,981	13,915	324,000	12,000	105,060	410,914	527,974	851,974	500	39	78
INDEPENDENT SHOPS-----	1	-	2	70	72	73	48	121	6,000	-	100	2,108	2,208	8,208	50	30	112
PROCESSING PLANTS-----	4	1	29	841	871	875	336	1,211	24,000	6,000	14,850	30,039	50,889	74,889	512	36	86
TOTAL OR AVERAGE, ALL MINES AND PLANTS-----	59	3	241	11,579	11,823	11,882	3,365	15,247	354,000	18,000	120,010	443,061	581,071	935,071	498	38	79
OFFICE-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12
GRAND TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,899	3,376	15,275	354,000	18,000	120,010	443,272	581,282	935,282	498	38	79

TABLE 3A. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1990

WORK LOCATION	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO-RARY	TOTAL NFDL					PERMANENT		TEMPO-RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:	-	-	1	8	9	9	2	11	-	-	50	478	528	528	50	60	59
UNDERGROUND	-	-	-	2	2	2	1	3	-	-	-	8	8	8	-	4	4
SURFACE AT UNDERGROUND----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	1	10	11	11	3	14	-	-	50	486	536	536	50	49	49
SURFACE MINES:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STRIP-----	-	-	1	76	77	77	14	91	-	-	50	4,700	4,750	4,750	50	62	62
AUGER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CULM BANK-----	-	-	-	16	16	16	3	19	-	-	-	942	942	942	-	59	59
DREDGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, SURFACE MINES-----	-	-	1	92	93	93	17	110	-	-	50	5,642	5,692	5,692	50	61	61
TOTAL OR AVERAGE, MINING-----	-	-	2	102	104	104	20	124	-	-	100	6,128	6,228	6,228	50	60	60
INDEPENDENT SHOPS-----	-	-	-	3	3	3	3	6	-	-	-	222	222	222	-	74	74
PROCESSING PLANTS-----	2	1	3	80	84	86	15	101	12,000	6,000	310	2,428	8,738	20,738	103	30	241
TOTAL OR AVERAGE, ALL MINES AND PLANTS-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141
OFFICE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141

TABLE 3B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990

WORK LOCATION	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDI				TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDI					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES: UNDERGROUND----- SURFACE AT UNDERGROUND----	43 2	2 -	157 17	8,385 578	8,544 595	8,587 597	1,940 239	10,527 836	258,000 12,000	12,000 -	82,540 5,485	331,535 21,084	426,075 26,569	684,075 38,569	526 323	40 36	80 65
TOTAL OR AVERAGE-----	45	2	174	8,963	9,139	9,184	2,179	11,363	270,000	12,000	88,025	352,619	452,644	722,644	506	39	79
SURFACE MINES: STRIP----- AUGER----- CULM BANK----- DREDGE-----	9 - - - -	- - - - -	32 2 - - -	1,563 27 10 3	1,595 29 10 3	1,604 29 10 3	772 10 - -	2,376 39 10 3	54,000 - - - -	- - - - -	15,675 1,260 - - -	50,645 1,181 313 28	66,320 2,441 313 28	120,320 2,441 313 28	490 630 - -	32 44 31 9	75 84 31 9
TOTAL OR AVERAGE, SURFACE MINES-----	9	-	34	1,603	1,637	1,646	782	2,428	54,000	-	16,935	52,167	69,102	123,102	498	33	75
TOTAL OR AVERAGE, MINING-----	54	2	208	10,566	10,776	10,830	2,961	13,791	324,000	12,000	104,960	404,786	521,746	845,746	505	38	78
INDEPENDENT SHOPS-----	1	-	2	67	69	70	45	115	6,000	-	100	1,886	1,986	7,986	50	28	114
PROCESSING PLANTS-----	2	-	26	761	787	789	321	1,110	12,000	-	14,540	27,611	42,151	54,151	559	36	69
TOTAL OR AVERAGE, ALL MINES AND PLANTS-----	57	2	236	11,394	11,632	11,689	3,327	15,016	342,000	12,000	119,600	434,283	565,883	907,883	507	38	78
OFFICE-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12
GRAND TOTAL OR AVERAGE-----	57	2	236	11,411	11,649	11,706	3,338	15,044	342,000	12,000	119,600	434,494	566,094	908,094	507	38	78

TABLE 4. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990

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	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																		
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):	-	-	-	8	8	8	2	10	-	4.64	4.64	1.16	5.80	-	169	169	421	344,588	154	55	232,876
1 - 4	8	-	1	60	61	69	21	90	84	6.37	7.21	2.19	9.40	5,015	511	5,526	1,791	1,914,332	257	156	3,938,658
5 - 9	4	-	11	528	539	543	113	656	08	10.55	10.63	2.21	12.84	470	531	1,001	7,243	10,214,756	517	415	26,179,227
10 - 19	10	2	20	999	1,021	1,031	255	1,286	11	11.17	11.28	2.79	14.07	657	795	1,452	10,982	18,276,749	424	370	53,595,214
20 - 34	4	-	21	762	783	787	187	974	07	13.06	13.13	3.12	16.25	400	688	1,088	6,393	11,986,248	157	141	36,829,220
35 - 49	7	-	20	795	815	822	235	1,057	10	11.34	11.43	3.27	14.70	584	709	1,293	6,829	14,378,524	101	97	43,870,743
50 - 99	1	-	11	693	704	705	189	894	02	14.67	14.69	3.94	18.63	125	629	754	4,588	9,599,863	37	37	24,982,512
100 - 149	6	-	30	1,696	1,726	1,732	425	2,157	05	13.94	13.99	3.43	17.42	291	574	864	12,193	24,765,994	61	59	77,450,385
150 - 249	5	-	61	3,432	3,493	3,498	755	4,253	02	12.32	12.33	2.66	15.00	106	546	651	26,337	56,725,490	69	69	152,715,606
250 OR MORE																					
TOTAL OR AVERAGE	45	2	175	8,973	9,150	9,195	2,182	11,377	06	12.35	12.41	2.94	15.35	364	612	976	76,777	148,206,544	1,777	1,399	419,794,441
SURFACE MINES:																					
STRIP:																					
1 - 4	-	-	1	14	15	15	10	25	-	2.05	2.05	1.36	3.41	-	47	47	1,214	1,465,653	481	-	3,681,434
5 - 9	-	-	-	51	51	51	32	83	-	3.06	3.06	1.92	4.98	-	85	85	2,136	3,330,145	319	-	9,297,035
10 - 19	1	-	5	123	128	129	51	180	03	3.64	3.67	1.45	5.12	171	122	293	4,066	7,037,554	302	-	20,990,439
20 - 34	1	-	5	245	250	251	78	329	02	4.36	4.38	1.36	5.74	105	247	351	5,837	11,473,233	222	-	40,223,908
35 - 49	1	-	1	134	135	136	69	205	03	3.87	3.90	1.98	5.87	172	132	304	3,164	6,982,434	77	-	25,556,384
50 - 99	1	-	8	410	418	419	154	573	01	4.74	4.75	1.75	6.50	68	239	307	7,664	17,632,970	111	-	104,739,831
100 - 149	1	-	4	127	131	132	57	189	02	3.24	3.26	1.41	4.67	148	100	248	3,781	8,090,482	31	-	66,169,324
150 - 249	3	-	5	284	289	292	153	445	04	4.18	4.23	2.21	6.44	261	182	443	6,508	13,815,873	34	-	134,654,836
250 OR MORE	1	-	4	251	255	256	182	438	01	2.36	2.37	1.69	4.06	56	80	135	10,591	21,584,621	26	-	187,482,251
TOTAL OR AVERAGE	9	-	33	1,639	1,672	1,681	786	2,467	02	3.66	3.68	1.72	5.40	118	155	274	44,961	91,412,965	1,603	-	592,795,442
AUGER:																					
1 - 4	-	-	1	10	11	11	4	15	-	8.65	8.65	3.14	11.79	-	325	325	345	254,479	67	60	1,319,049
5 - 9	-	-	1	4	5	5	2	7	-	5.05	5.05	2.02	7.07	-	1,373	1,373	161	198,009	19	6	1,117,912
10 - 19	-	-	-	12	12	12	4	16	-	19.40	19.40	6.47	25.87	-	1,054	1,054	89	123,680	5	2	814,920
20 - 34	-	-	-	1	1	1	-	1	-	3.84	3.84	-	3.84	-	61	61	21	52,052	1	-	154,919
TOTAL OR AVERAGE	-	-	2	27	29	29	10	39	-	9.23	9.23	3.18	12.42	-	777	777	616	628,220	92	68	3,406,800
CULM BANK:																					
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101	132,906	34	6	634,997
5 - 9	-	-	-	6	6	6	3	9	-	7.10	7.10	3.55	10.65	-	324	324	130	168,979	19	2	388,421
10 - 19	-	-	-	10	10	10	-	10	-	7.84	7.84	-	7.84	-	67	67	156	255,179	11	-	515,125
20 - 34	-	-	-	10	10	10	-	10	-	18.85	18.85	-	18.85	-	1,687	1,687	66	106,107	3	-	110,296
TOTAL OR AVERAGE	-	-	-	26	26	26	3	29	-	7.84	7.84	.90	8.75	-	378	378	453	663,171	67	8	1,648,839
DREDGE:																					
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	48,130	13	-	73,667
5 - 9	-	-	-	1	1	1	-	1	-	3.61	3.61	-	3.61	-	29	29	32	55,328	5	-	138,956
10 - 19	-	-	-	2	2	2	-	2	-	7.26	7.26	-	7.26	-	73	73	30	55,059	2	-	65,224
TOTAL OR AVERAGE	-	-	-	3	3	3	-	3	-	3.79	3.79	-	3.79	-	35	35	97	158,517	20	-	277,847

TABLE 4. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (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	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:	-	-	2	24	26	26	14	40	-	2.74	2.74	1.47	4.21	-	80	80	1,695	1,901,168	595	66	5,709,147	
1 - 4	-	-	1	62	63	63	37	100	-	3.36	3.36	1.97	5.33	-	163	163	2,459	3,752,461	362	8	10,942,324	
5 - 9	-	-	5	147	152	153	55	208	03	4.07	4.10	1.47	5.57	161	135	296	4,341	7,471,472	320	2	22,385,708	
10 - 19	1	-	5	256	261	262	78	340	02	4.49	4.51	1.34	5.85	103	259	362	5,924	11,631,392	226	-	40,489,123	
20 - 34	1	-	1	134	135	136	69	205	03	3.87	3.90	1.98	5.87	172	132	304	3,164	6,982,434	77	-	25,556,384	
35 - 49	1	-	8	410	418	419	154	573	01	4.74	4.75	1.75	6.50	68	239	307	7,664	17,632,970	111	-	104,739,831	
50 - 99	1	-	4	127	131	132	57	189	02	3.24	3.26	1.41	4.67	148	100	248	3,781	8,090,482	31	-	66,169,324	
100 - 149	1	-	5	284	289	292	153	445	04	4.18	4.23	2.21	6.44	261	182	443	6,508	13,815,873	34	-	134,654,836	
150 - 249	3	-	4	251	255	256	182	438	01	2.36	2.37	1.69	4.06	56	80	135	10,591	21,584,621	26	-	187,482,251	
250 OR MORE	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	9	-	35	1,695	1,730	1,739	799	2,538	02	3.73	3.75	1.72	5.47	116	161	277	46,127	92,862,873	1,782	76	598,128,928	
TOTAL OR AVERAGE, MINING:	-	-	2	32	34	34	16	50	-	3.03	3.03	1.42	4.45	-	94	94	2,116	2,245,756	749	121	5,942,023	
1 - 4	-	-	2	122	124	132	58	190	28	4.38	4.66	2.05	6.71	1,694	281	1,975	4,250	5,666,793	619	164	14,880,982	
5 - 9	8	-	16	675	691	696	168	864	06	7.81	7.87	1.90	9.77	339	364	703	11,584	17,686,228	837	417	48,564,935	
10 - 19	5	-	25	1,255	1,282	1,293	333	1,626	07	8.57	8.65	2.23	10.87	441	587	1,028	16,906	29,908,141	650	370	94,084,337	
20 - 34	11	2	22	896	918	923	256	1,179	05	9.68	9.73	2.70	12.43	316	483	799	9,557	18,968,682	234	141	62,385,604	
35 - 49	5	-	28	1,205	1,233	1,241	389	1,630	05	7.70	7.75	2.43	10.18	300	450	750	14,493	32,011,494	212	97	148,610,574	
50 - 99	8	-	15	820	835	837	246	1,083	02	9.44	9.46	2.78	12.24	136	387	523	8,369	17,690,345	68	37	91,151,836	
100 - 149	2	-	35	1,980	2,015	2,024	578	2,602	05	10.45	10.49	3.00	13.49	280	434	713	18,701	38,581,867	95	59	212,105,221	
150 - 249	9	-	65	3,683	3,748	3,754	937	4,691	02	9.57	9.59	2.39	11.98	92	417	509	36,928	78,310,111	95	69	340,197,857	
250 OR MORE	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	54	2	210	10,668	10,880	10,934	2,981	13,915	04	9.03	9.07	2.47	11.54	269	438	707	122,904	241,069,417	3,559	1,475	1,017,923,369	
INDEPENDENT SHOPS:	-	-	-	2	2	2	1	3	-	3.52	3.52	1.76	5.28	-	44	44	69	113,565	25	-	-	
1 - 4	-	-	1	8	9	9	5	14	-	5.65	5.65	3.14	8.79	-	207	207	168	318,454	25	-	-	
5 - 9	-	-	-	11	11	11	7	18	-	6.20	6.20	3.95	10.15	-	93	93	208	354,590	15	-	-	
10 - 19	-	-	1	12	13	14	6	20	49	6.39	6.88	2.95	9.83	2,950	161	3,111	195	406,781	8	-	-	
20 - 34	1	-	-	18	18	18	15	33	-	6.90	6.90	5.75	12.66	-	191	191	250	521,437	6	-	-	
35 - 49	-	-	-	14	14	14	3	17	-	9.90	9.90	2.12	12.02	-	537	537	117	282,829	2	-	-	
50 - 99	-	-	-	5	5	5	11	16	-	5.69	5.69	12.52	18.21	-	117	117	106	175,769	1	-	-	
100 - 149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	1	-	2	70	72	73	48	121	09	6.63	6.72	4.42	11.13	552	203	755	1,113	2,173,425	82	-	-	
PROCESSING PLANTS:	-	-	-	33	33	33	9	42	-	5.88	5.88	1.60	7.48	-	229	229	739	1,122,458	232	53	-	
1 - 4	-	-	4	72	76	76	33	109	-	5.60	5.60	2.43	8.03	-	184	184	1,447	2,715,180	166	51	-	
5 - 9	-	-	5	101	106	108	43	151	09	4.75	4.84	1.93	6.76	538	280	817	2,142	4,464,751	93	62	-	
10 - 19	2	-	6	219	226	227	97	324	03	5.70	5.72	2.45	8.17	151	431	583	3,759	7,932,328	78	63	-	
20 - 34	1	1	9	193	202	203	70	273	03	6.81	6.84	2.36	9.20	202	480	683	2,785	5,933,318	41	26	-	
35 - 49	-	-	5	175	180	180	57	237	-	5.46	5.46	1.73	7.18	-	238	238	3,004	6,598,728	34	12	-	
50 - 99	-	-	-	44	44	44	21	65	-	5.88	5.88	2.81	8.69	-	196	196	781	1,496,665	6	1	-	
100 - 149	-	-	-	4	4	4	6	10	-	1.04	1.04	1.57	2.61	-	43	43	351	766,581	1	1	-	
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	4	1	29	841	871	875	336	1,211	03	5.61	5.64	2.17	7.81	155	328	483	15,008	31,030,009	651	269	-	

TABLE 4. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NDL	TOTAL INJURIES						FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT		TEMPO- RARY	TOTAL NFDL																
		TOTAL	PARTIAL																		
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	2	67	69	69	26	95	-	3.96	3.96	1.49	5.46	-	136	136	2,924	3,481,779	1,006	174	5,942,023
1 - 4	-	-	7	202	209	217	96	313	18	4.80	4.99	2.21	7.20	1,103	248	1,351	5,865	8,700,427	810	215	14,880,982
5 - 9	8	-	21	787	808	815	218	1,033	06	7.18	7.24	1.94	9.18	373	343	716	13,934	22,505,569	945	479	48,564,935
10 - 19	7	3	32	1,486	1,521	1,534	436	1,970	07	7.95	8.02	2.28	10.30	408	550	958	20,860	38,247,250	736	433	94,084,337
20 - 34	13	-	31	1,107	1,138	1,144	341	1,485	05	8.95	9.00	2.68	11.68	283	477	760	12,592	25,423,437	281	167	62,385,604
35 - 49	6	-	33	1,394	1,427	1,435	449	1,884	04	7.34	7.38	2.31	9.69	247	415	661	17,614	38,893,051	248	109	148,610,574
50 - 99	8	-	15	869	884	886	278	1,164	02	9.13	9.15	2.87	12.02	124	370	494	9,256	19,362,779	75	38	91,151,836
100 - 149	2	-	35	1,984	2,019	2,028	584	2,612	05	10.26	10.31	2.97	13.28	274	426	700	19,052	39,348,448	96	60	212,105,221
150 - 249	9	-	65	3,683	3,748	3,754	937	4,691	02	9.57	9.59	2.39	11.98	92	417	509	36,928	78,310,111	95	69	340,197,857
250 OR MORE	6	-																			
TOTAL OR AVERAGE	59	3	241	11,579	11,823	11,882	3,365	15,247	04	8.62	8.66	2.45	11.12	258	424	682	139,025	274,272,851	4,292	1,744	1,017,923,369
OFFICE:																					
1 - 4	-	-	-	6	6	6	3	9	-	.36	.36	.18	.54	-	9	9	2,264	3,324,293	24	1,162	-
5 - 9	-	-	-	4	4	4	2	6	-	.31	.31	.15	.46	-	2	2	1,474	2,592,639	3	225	-
10 - 19	-	-	-	5	5	5	1	6	-	.35	.35	.07	.42	-	2	2	1,424	2,845,865	-	108	-
20 - 34	-	-	-	1	1	1	-	1	-	.08	.08	-	.08	-	(*)	(*)	1,169	2,433,092	1	45	-
35 - 49	-	-	-	1	1	1	4	5	-	.27	.27	1.09	1.36	-	(*)	(*)	362	735,962	-	9	-
50 - 99	-	-	-	-	-	-	1	1	-	-	-	.23	.23	-	-	-	447	882,126	-	7	-
100 - 149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	340	733,960	-	3	-
TOTAL OR AVERAGE	-	-	-	17	17	17	11	28	-	.25	.25	.16	.41	-	3	3	7,480	13,547,937	28	1,559	-
GRAND TOTAL OR AVERAGE:																					
1 - 4	-	-	2	73	75	75	29	104	-	2.20	2.20	.85	3.06	-	74	74	5,188	6,806,072	1,030	1,336	5,942,023
5 - 9	8	-	7	206	213	221	98	319	.14	3.77	3.91	1.74	5.65	850	191	1,042	7,339	11,293,066	813	440	14,880,982
10 - 19	7	-	21	792	813	820	219	1,039	.06	6.41	6.47	1.73	8.20	331	305	636	15,358	25,351,434	945	587	48,564,935
20 - 34	13	3	32	1,487	1,522	1,535	436	1,971	.06	7.48	7.55	2.14	9.69	383	517	901	22,029	40,680,342	737	478	94,084,337
35 - 49	6	-	31	1,108	1,139	1,145	345	1,490	.05	8.71	8.75	2.64	11.39	275	463	738	12,954	26,159,399	281	176	62,385,604
50 - 99	8	-	33	1,394	1,427	1,435	450	1,885	.04	7.18	7.22	2.26	9.48	241	405	647	18,061	39,775,177	248	116	148,610,574
100 - 149	2	-	15	869	884	886	278	1,164	.02	8.80	8.82	2.77	11.58	119	356	476	9,596	20,096,739	75	41	91,151,836
150 - 249	9	-	35	1,984	2,019	2,028	584	2,612	.05	10.26	10.31	2.97	13.28	274	426	700	19,052	39,348,448	96	60	212,105,221
250 OR MORE	6	-	65	3,683	3,748	3,754	937	4,691	.02	9.57	9.59	2.39	11.98	92	417	509	36,928	78,310,111	95	69	340,197,857
TOTAL OR AVERAGE	59	3	241	11,596	11,840	11,899	3,376	15,275	04	8.23	8.27	2.35	10.61	246	404	650	146,505	287,820,788	4,320	3,303	1,017,923,369

TABLE 4A. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1990

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	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																		
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																					
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	117	118,492	37	27	61,894
5 - 9	-	-	-	6	6	6	2	8	-	4.76	4.76	1.59	6.35	-	345	345	207	252,121	33	31	177,792
10 - 19	-	-	1	4	5	5	1	6	-	8.14	8.14	1.63	9.77	-	164	164	72	122,885	5	5	170,632
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	24,585	1	1	5,200
TOTAL OR AVERAGE	-	-	1	10	11	11	3	14	-	4.25	4.25	1.16	5.40	-	207	207	416	518,083	76	64	415,518
SURFACE MINES:																					
SIRIP:																					
1 - 4	-	-	-	2	2	2	4	6	-	2.35	2.35	4.70	7.05	-	97	97	115	170,304	50	-	360,352
5 - 9	-	-	-	6	6	6	1	7	-	7.58	7.58	1.26	8.84	-	140	140	89	158,338	13	-	261,736
10 - 19	-	-	-	8	8	8	-	8	-	6.08	6.08	-	6.08	-	273	273	126	263,144	9	-	526,297
20 - 34	-	-	-	11	11	11	1	12	-	17.74	17.74	1.61	19.35	-	1,690	1,690	51	124,017	2	-	179,147
50 - 99	-	-	1	30	31	31	8	39	-	31.70	31.70	8.18	39.88	-	2,454	2,454	111	195,570	2	-	258,666
150 - 249	-	-	-	19	19	19	-	19	-	9.34	9.34	-	9.34	-	368	368	203	406,759	1	-	274,825
TOTAL OR AVERAGE	-	-	1	76	77	77	14	91	-	11.68	11.68	2.12	13.81	-	721	721	695	1,318,132	77	-	1,861,023
CULM BANK:																					
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	56,492	19	1	413,326
5 - 9	-	-	-	3	3	3	3	6	-	6.89	6.89	6.89	13.78	-	57	57	61	87,091	9	1	182,801
10 - 19	-	-	-	3	3	3	-	3	-	4.37	4.37	-	4.37	-	32	32	76	137,402	6	-	186,424
20 - 34	-	-	-	10	10	10	-	10	-	18.85	18.85	-	18.85	-	1,687	1,687	66	106,107	3	-	110,296
TOTAL OR AVERAGE	-	-	-	16	16	16	3	19	-	8.27	8.27	1.55	9.82	-	487	487	250	387,092	37	2	892,847
DREDGE:																					
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3,135	3	-	1,017
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3,135	3	-	1,017
TOTAL OR AVERAGE, SURFACE:																					
1 - 4	-	-	-	2	2	2	4	6	-	1.74	1.74	3.48	5.22	-	72	72	166	229,931	72	1	774,695
5 - 9	-	-	-	9	9	9	4	13	-	7.33	7.33	3.26	10.59	-	111	111	150	245,429	22	1	444,537
10 - 19	-	-	-	11	11	11	-	11	-	5.49	5.49	-	5.49	-	190	190	202	400,546	15	-	712,721
20 - 34	-	-	-	21	21	21	1	22	-	18.25	18.25	87	19.12	-	1,689	1,689	117	230,124	5	-	289,443
50 - 99	-	-	1	30	31	31	8	39	-	31.70	31.70	8.18	39.88	-	2,454	2,454	111	195,570	2	-	258,666
150 - 249	-	-	-	19	19	19	-	19	-	9.34	9.34	-	9.34	-	368	368	203	406,759	1	-	274,825
TOTAL OR AVERAGE	-	-	1	92	93	93	17	110	-	10.89	10.89	1.99	12.88	-	666	666	943	1,708,359	117	2	2,754,887

TABLE 4A. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1990 (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	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, MINING:	-	-	-	2	2	2	4	6	-	1.15	1.15	2.30	3.44	-	48	48	283	348,423	109	28	836,589
1 - 4-----	-	-	-	15	15	15	6	21	-	6.03	6.03	2.41	8.44	-	230	230	357	497,550	55	32	622,329
5 - 9-----	-	-	1	15	16	16	1	17	-	6.11	6.11	.38	6.50	-	184	184	274	523,431	20	5	883,353
10 - 19-----	-	-	-	21	21	21	1	22	-	16.49	16.49	.79	17.27	-	1,526	1,526	137	254,709	6	1	294,643
20 - 34-----	-	-	1	30	31	31	8	39	-	31.70	31.70	8.18	39.88	-	2,454	2,454	111	195,570	2	-	258,666
50 - 99-----	-	-	-	19	19	19	-	19	-	9.34	9.34	-	9.34	-	368	368	203	406,759	1	-	274,825
150 - 249-----	-	-	-	19	19	19	-	19	-	9.34	9.34	1.80	11.14	-	559	559	1,365	2,226,442	193	66	3,170,405
TOTAL OR AVERAGE-----	-	-	2	102	104	104	20	124	-	9.34	9.34	1.80	11.14	-	559	559	1,365	2,226,442	193	66	3,170,405
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4-----	-	-	-	1	1	1	-	1	-	99.99	99.99	-	99.99	-	3,527	3,527	3	1,134	1	-	-
5 - 9-----	-	-	-	-	-	-	2	2	-	-	-	38.70	38.70	-	-	-	7	10,336	1	-	-
10 - 19-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	23,719	1	-	-
20 - 34-----	-	-	-	2	2	2	1	3	-	9.05	9.05	4.53	13.58	-	915	915	22	44,176	1	-	-
TOTAL OR AVERAGE-----	-	-	-	3	3	3	3	6	-	7.56	7.56	7.56	15.12	-	559	559	44	79,365	4	-	-
PROCESSING PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4-----	-	-	-	5	5	5	-	5	-	10.77	10.77	-	10.77	-	480	480	71	92,851	27	2	-
5 - 9-----	-	-	2	11	13	13	1	14	-	11.52	11.52	.89	12.41	-	354	354	115	225,623	16	2	-
10 - 19-----	2	-	-	9	9	11	3	14	1.44	6.47	7.91	2.16	10.06	8.624	175	8,798	158	278,301	10	2	-
20 - 34-----	-	1	1	22	24	24	7	31	-	10.91	10.91	3.18	14.09	-	2,928	2,928	207	439,919	6	3	-
50 - 99-----	-	-	-	33	33	33	4	37	-	18.83	18.83	2.28	21.11	-	818	818	199	350,581	3	-	-
TOTAL OR AVERAGE-----	2	1	3	80	84	86	15	101	.29	12.11	12.40	2.16	14.56	1.730	1,260	2,990	750	1,387,275	62	9	-
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4-----	-	-	-	8	8	8	4	12	-	3.62	3.62	1.81	5.42	-	147	147	357	442,408	137	30	836,589
5 - 9-----	-	-	2	26	28	28	9	37	-	7.63	7.63	2.45	10.09	-	264	264	479	733,509	72	34	622,329
10 - 19-----	2	-	1	24	25	27	4	31	.48	6.06	6.54	.97	7.51	2.908	176	3,083	444	825,451	31	7	883,353
20 - 34-----	-	1	1	45	47	47	9	56	-	12.72	12.72	2.44	15.16	-	2,324	2,324	366	738,804	13	4	294,643
50 - 99-----	-	-	1	63	64	64	12	76	-	23.44	23.44	4.39	27.83	-	1,404	1,404	310	546,151	5	-	258,666
150 - 249-----	-	-	-	19	19	19	-	19	-	9.34	9.34	-	9.34	-	368	368	203	406,759	1	-	274,825
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	.11	10.34	10.45	2.06	12.51	650	823	1,472	2,159	3,693,082	259	75	3,170,405
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94	145,822	3	46	-
5 - 9-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	40,856	-	3	-
10 - 19-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	17,847	-	1	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126	204,525	3	50	-

TABLE 4A. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1990 (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	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																		
GRAND TOTAL OR AVERAGE :	-	-	-	8	8	8	4	12	-	2.72	2.72	1.36	4.08	-	111	111	451	588,230	140	76	836,589
1 - 4 -----	-	-	-	26	28	28	9	37	-	7.23	7.23	2.32	9.56	-	251	251	501	774,365	72	37	622,329
5 - 9 -----	2	-	1	24	25	27	4	31	.47	5.93	6.40	.95	7.35	2,846	172	3,018	454	843,298	31	8	883,353
10 - 19 -----	-	1	1	45	47	47	9	56	-	12.72	12.72	2.44	15.16	-	2,324	2,324	366	738,804	13	4	294,643
20 - 34 -----	-	-	1	63	64	64	12	76	-	23.44	23.44	4.39	27.83	-	1,404	1,404	310	546,151	5	-	258,666
50 - 99 -----	-	-	-	19	19	19	-	19	-	9.34	9.34	-	9.34	-	368	368	203	406,759	1	-	274,825
150 - 249 -----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE -----	2	1	5	185	191	193	38	231	.10	9.80	9.90	1.95	11.85	616	779	1,395	2,285	3,897,607	262	125	3,170,405

TABLE 4B. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990

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	NOL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT		TEMPO- RARY	TOTAL NFDL																
		TOTAL	PARTIAL																		
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																					
1 - 4-----	-	-	-	8	8	8	2	10	-	7.08	7.08	1.77	8.85	-	257	257	304	226,096	117	28	170,982
5 - 9-----	8	-	1	54	55	63	19	82	96	6.62	7.58	2.29	9.87	5,775	537	6,312	1,584	1,662,211	224	125	3,760,866
10 - 19-----	4	-	10	524	534	538	112	650	08	10.58	10.66	2.22	12.88	476	536	1,011	7,171	10,091,871	512	410	26,008,595
20 - 34-----	10	2	20	999	1,021	1,031	255	1,286	11	11.19	11.30	2.79	14.09	657	796	1,454	10,962	18,252,164	423	369	53,590,014
35 - 49-----	4	-	21	762	783	787	187	974	07	13.06	13.13	3.12	16.25	400	688	1,088	6,393	11,986,248	157	141	36,829,220
50 - 99-----	7	-	20	795	815	822	235	1,057	10	11.34	11.43	3.27	14.70	584	709	1,293	6,829	14,378,524	101	97	43,870,743
100 - 149-----	1	-	11	693	704	705	189	894	02	14.67	14.69	3.94	18.63	125	629	754	4,588	9,599,863	37	37	24,982,512
150 - 249-----	6	-	30	1,696	1,726	1,732	425	2,157	05	13.94	13.99	3.43	17.42	291	574	864	12,193	24,765,994	61	59	77,450,385
250 OR MORE-----	5	-	61	3,432	3,493	3,498	755	4,253	02	12.32	12.33	2.66	15.00	106	546	651	26,337	56,725,490	69	69	152,715,606
TOTAL OR AVERAGE-----	45	2	174	8,963	9,139	9,184	2,179	11,363	06	12.38	12.44	2.95	15.39	366	613	979	76,361	147,688,461	1,701	1,335	419,378,923
SURFACE MINES:																					
STRIP:																					
1 - 4-----	-	-	1	12	13	13	6	19	-	2.01	2.01	.93	2.93	-	40	40	1,099	1,295,349	431	-	3,321,082
5 - 9-----	-	-	-	45	45	45	31	76	-	2.84	2.84	1.95	4.79	-	83	83	2,047	3,171,807	306	-	9,035,299
10 - 19-----	1	-	5	115	120	121	51	172	03	3.54	3.57	1.51	5.08	177	116	294	3,940	6,774,410	293	-	20,464,142
20 - 34-----	1	-	5	234	239	240	77	317	02	4.21	4.23	1.36	5.59	106	231	336	5,786	11,349,216	220	-	40,044,761
35 - 49-----	1	-	1	134	135	136	69	205	03	3.87	3.90	1.98	5.87	172	132	304	3,164	6,982,434	77	-	25,556,384
50 - 99-----	1	-	7	380	387	388	146	534	01	4.44	4.45	1.67	6.12	69	214	283	7,553	17,437,400	109	-	104,481,165
100 - 149-----	1	-	4	127	131	132	57	189	02	3.24	3.26	1.41	4.67	148	100	248	3,781	8,090,482	31	-	66,169,324
150 - 249-----	3	-	5	265	270	273	153	426	04	4.03	4.07	2.28	6.35	268	177	445	6,305	13,409,114	33	-	134,380,011
250 OR MORE-----	1	-	4	251	255	256	182	438	01	2.36	2.37	1.69	4.06	56	80	135	10,591	21,584,621	26	-	187,482,251
TOTAL OR AVERAGE-----	9	-	32	1,563	1,595	1,604	772	2,376	02	3.54	3.56	1.71	5.27	120	147	267	44,266	90,094,833	1,526	-	590,934,419
AUGER:																					
1 - 4-----	-	-	1	10	11	11	4	15	-	8.65	8.65	3.14	11.79	-	325	325	345	254,479	67	60	1,319,049
5 - 9-----	-	-	1	4	5	5	2	7	-	5.05	5.05	2.02	7.07	-	1,373	1,373	161	198,009	19	6	1,117,912
10 - 19-----	-	-	-	12	12	12	4	16	-	19.40	19.40	6.47	25.87	-	1,054	1,054	89	123,680	5	2	814,920
20 - 34-----	-	-	-	1	1	1	-	1	-	3.84	3.84	-	3.84	-	61	61	21	52,052	1	-	154,919
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	9.23	9.23	3.18	12.42	-	777	777	616	628,220	92	68	3,406,800
CULM BANK:																					
1 - 4-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	76,414	15	5	221,671
5 - 9-----	-	-	-	3	3	3	-	3	-	7.33	7.33	-	7.33	-	608	608	69	81,888	10	1	205,620
10 - 19-----	-	-	-	7	7	7	-	7	-	11.89	11.89	-	11.89	-	109	109	80	117,777	5	-	328,701
TOTAL OR AVERAGE-----	-	-	-	10	10	10	-	10	-	7.24	7.24	-	7.24	-	227	227	203	276,079	30	6	755,992
DREDGE:																					
1 - 4-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	44,995	10	-	72,650
5 - 9-----	-	-	-	1	1	1	-	1	-	3.61	3.61	-	3.61	-	29	29	32	55,328	5	-	138,956
10 - 19-----	-	-	-	2	2	2	-	2	-	7.26	7.26	-	7.26	-	73	73	30	55,059	2	-	65,224
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	3.86	3.86	-	3.86	-	36	36	93	155,382	17	-	276,830

TABLE 4B. INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT		TEMPO- RARY																	
		TOTAL	PARTIAL																		
TOTAL OR AVERAGE, SURFACE:																					
1 - 4	-	-	2	22	24	24	10	34	-	2.87	2.87	1.20	4.07	-	81	81	1,529	1,671,237	523	65	4,934,452
5 - 9	-	-	1	53	54	54	33	87	-	3.08	3.08	1.88	4.96	-	167	167	2,309	3,507,032	340	7	10,497,787
10 - 19	1	-	5	136	141	142	55	197	03	3.99	4.02	1.56	5.57	170	132	302	4,139	7,070,926	305	2	21,672,987
20 - 34	1	-	5	235	240	241	77	318	02	4.21	4.23	1.35	5.58	105	230	335	5,807	11,401,268	221	-	40,199,680
35 - 49	1	-	1	134	135	136	69	205	03	3.87	3.90	1.98	5.87	172	132	304	3,164	6,982,434	77	-	25,556,384
50 - 99	1	-	7	380	387	388	146	534	01	4.44	4.45	1.67	6.12	69	214	283	7,553	17,437,400	109	-	104,481,165
100 - 149	1	-	4	127	131	132	57	189	02	3.24	3.26	1.41	4.67	148	100	248	3,781	8,090,482	31	-	66,169,324
150 - 249	3	-	5	265	270	273	153	426	04	4.03	4.07	2.28	6.35	268	177	445	6,305	13,409,114	33	-	134,380,011
250 OR MORE	1	-	4	251	255	256	182	438	01	2.36	2.37	1.69	4.06	56	80	135	10,591	21,584,621	26	-	187,482,251
TOTAL OR AVERAGE	9	-	34	1,603	1,637	1,646	782	2,428	02	3.59	3.61	1.72	5.33	118	152	270	45,178	91,154,514	1,665	74	595,374,041
TOTAL OR AVERAGE, MINING:																					
1 - 4	-	-	2	30	32	32	12	44	-	3.37	3.37	1.26	4.64	-	102	102	1,833	1,897,333	640	93	5,105,434
5 - 9	8	-	2	107	109	117	52	169	31	4.22	4.53	2.01	6.54	1,857	285	2,143	3,893	5,169,243	564	132	14,258,653
10 - 19	5	-	15	660	675	680	167	847	06	7.87	7.92	1.95	9.87	350	370	719	11,310	17,162,797	817	412	47,681,582
20 - 34	11	2	25	1,234	1,261	1,272	332	1,604	07	8.50	8.58	2.24	10.82	445	579	1,024	16,769	29,653,432	644	369	93,789,694
35 - 49	5	-	22	896	918	923	256	1,179	05	9.68	9.73	2.70	12.43	316	483	799	9,557	18,968,682	234	141	62,385,604
50 - 99	8	-	27	1,175	1,202	1,210	381	1,591	05	7.56	7.61	2.40	10.00	302	438	739	14,382	31,815,924	210	97	148,351,908
100 - 149	2	-	15	820	835	837	246	1,083	02	9.44	9.46	2.78	12.24	136	387	523	8,369	17,690,345	68	37	91,151,836
150 - 249	9	-	35	1,961	1,996	2,005	578	2,583	05	10.46	10.50	3.03	13.53	283	434	717	18,498	38,175,108	94	59	211,830,396
250 OR MORE	6	-	65	3,683	3,748	3,754	937	4,691	02	9.57	9.59	2.39	11.98	92	417	509	36,928	78,310,111	95	69	340,197,857
TOTAL OR AVERAGE	54	2	208	10,566	10,776	10,830	2,961	13,791	05	9.02	9.07	2.48	11.55	271	437	708	121,539	238,842,975	3,366	1,409	1,014,752,964
INDEPENDENT SHOPS:																					
1 - 4	-	-	-	1	1	1	1	2	-	1.78	1.78	1.78	3.56	-	9	9	66	112,431	24	-	-
5 - 9	-	-	1	8	9	9	3	12	-	5.84	5.84	1.95	7.79	-	214	214	161	308,118	24	-	-
10 - 19	-	-	-	11	11	11	7	18	-	6.65	6.65	4.23	10.88	-	100	100	196	330,871	14	-	-
20 - 34	1	-	1	10	11	12	5	17	55	6.07	6.62	2.76	9.38	3,309	69	3,379	173	362,605	7	-	-
35 - 49	-	-	-	18	18	18	15	33	-	6.90	6.90	5.75	12.66	-	191	191	250	521,437	6	-	-
50 - 99	-	-	-	14	14	14	3	17	-	9.90	9.90	2.12	12.02	-	537	537	117	282,829	2	-	-
100 - 149	-	-	-	5	5	5	11	16	-	5.69	5.69	12.52	18.21	-	117	117	106	175,769	1	-	-
TOTAL OR AVERAGE	1	-	2	67	69	70	45	115	10	6.59	6.69	4.30	10.98	573	190	763	1,069	2,094,060	78	-	-
PROCESSING PLANTS:																					
1 - 4	-	-	-	28	28	28	9	37	-	5.44	5.44	1.75	7.19	-	206	206	668	1,029,607	205	51	-
5 - 9	-	-	2	61	63	63	32	95	-	5.06	5.06	2.57	7.63	-	169	169	1,332	2,489,557	150	49	-
10 - 19	-	-	5	92	97	97	40	137	-	4.63	4.63	1.91	6.54	-	287	287	1,984	4,186,450	83	60	-
20 - 34	1	-	5	197	202	203	90	293	03	5.39	5.42	2.40	7.82	160	285	445	3,552	7,492,409	72	60	-
35 - 49	1	-	9	193	202	203	70	273	03	6.81	6.84	2.36	9.20	202	480	683	2,785	5,933,318	41	26	-
50 - 99	-	-	5	142	147	147	53	200	-	4.71	4.71	1.70	6.40	-	206	206	2,805	6,248,147	31	12	-
100 - 149	-	-	-	44	44	44	21	65	-	5.88	5.88	2.81	8.69	-	196	196	781	1,496,665	6	1	-
150 - 249	-	-	-	4	4	4	6	10	-	1.04	1.04	1.57	2.61	-	43	43	351	766,581	1	1	-
TOTAL OR AVERAGE	2	-	26	761	787	789	321	1,110	01	5.31	5.32	2.17	7.49	81	284	365	14,258	29,642,734	589	260	-

TABLE 4B. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL							
		PERMANENT		TEMPO- RARY																		
		TOTAL	PARTIAL																			
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																						
1 - 4	-	-	2	59	61	61	22	83	-	4.01	4.01	1.45	5.46	-	134	134	2,567	3,039,371	869	144	5,105,434	
5 - 9	8	-	5	176	181	189	87	276	.20	4.54	4.74	2.18	6.93	1,205	246	1,451	5,386	7,966,918	738	181	14,258,653	
10 - 19	5	-	20	763	783	788	214	1,002	.05	7.22	7.27	1.97	9.24	277	349	626	13,490	21,680,118	914	472	47,681,582	
20 - 34	13	2	31	1,441	1,474	1,487	427	1,914	.07	7.86	7.93	2.28	10.21	416	515	931	20,494	37,508,446	723	429	93,789,694	
35 - 49	6	-	31	1,107	1,138	1,144	341	1,485	.05	8.95	9.00	2.68	11.68	283	477	760	12,592	25,423,437	281	167	62,385,604	
50 - 99	8	-	32	1,331	1,363	1,371	437	1,808	.04	7.11	7.15	2.28	9.43	250	401	651	17,304	38,346,900	243	109	148,351,908	
100 - 149	2	-	15	869	884	886	278	1,164	.02	9.13	9.15	2.87	12.02	124	370	494	9,256	19,362,779	75	38	91,151,836	
150 - 249	9	-	35	1,965	2,000	2,009	584	2,593	.05	10.27	10.32	3.00	13.32	277	427	704	18,849	38,941,689	95	60	211,830,396	
250 OR MORE	6	-	65	3,683	3,748	3,754	937	4,691	.02	9.57	9.59	2.39	11.98	92	417	509	36,928	78,310,111	95	69	340,197,857	
TOTAL OR AVERAGE	57	2	236	11,394	11,632	11,689	3,327	15,016	.04	8.60	8.64	2.46	11.10	253	418	671	136,866	270,579,769	4,033	1,669	1,014,752,664	
OFFICE:																						
1 - 4	-	-	-	6	6	6	3	9	-	.38	.38	.19	.57	-	10	10	2,170	3,178,471	21	1,116	-	
5 - 9	-	-	-	4	4	4	2	6	-	.31	.31	.16	.47	-	2	2	1,452	2,551,783	3	222	-	
10 - 19	-	-	-	5	5	5	1	6	-	.35	.35	.07	.42	-	2	2	1,414	2,828,018	-	107	-	
20 - 34	-	-	-	1	1	1	-	1	-	.08	.08	-	.08	-	(*)	(*)	1,169	2,433,092	1	45	-	
35 - 49	-	-	-	1	1	1	4	5	-	.27	.27	1.09	1.36	-	(*)	(*)	362	735,962	-	9	-	
50 - 99	-	-	-	-	-	-	1	1	-	-	-	.23	.23	-	-	-	447	882,126	-	7	-	
100 - 149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	340	733,960	-	3	-	
TOTAL OR AVERAGE	-	-	-	17	17	17	11	28	-	.25	.25	.16	.42	-	3	3	7,354	13,343,412	25	1,509	-	
GRAND TOTAL OR AVERAGE:																						
1 - 4	-	-	2	65	67	67	25	92	-	2.16	2.16	.80	2.96	-	70	70	4,737	6,217,842	890	1,260	5,105,434	
5 - 9	8	-	5	180	185	193	89	282	.15	3.52	3.67	1.69	5.36	913	187	1,100	6,838	10,518,701	741	403	14,258,653	
10 - 19	5	-	20	768	788	793	215	1,008	.04	6.43	6.47	1.75	8.23	245	309	554	14,904	24,508,136	914	579	47,681,582	
20 - 34	13	2	31	1,442	1,475	1,488	427	1,915	.07	7.39	7.45	2.14	9.59	391	484	874	21,663	39,941,538	724	474	93,789,694	
35 - 49	6	-	31	1,108	1,139	1,145	345	1,490	.05	8.71	8.75	2.64	11.39	275	463	738	12,954	26,159,399	281	176	62,385,604	
50 - 99	8	-	32	1,331	1,363	1,371	438	1,809	.04	6.95	6.99	2.23	9.22	245	392	636	17,751	39,229,026	243	116	148,351,908	
100 - 149	2	-	15	869	884	886	278	1,164	.02	8.80	8.82	2.77	11.58	119	356	476	9,596	20,096,739	75	41	91,151,836	
150 - 249	9	-	35	1,965	2,000	2,009	584	2,593	.05	10.27	10.32	3.00	13.32	277	427	704	18,849	38,941,689	95	60	211,830,396	
250 OR MORE	6	-	65	3,683	3,748	3,754	937	4,691	.02	9.57	9.59	2.39	11.98	92	417	509	36,928	78,310,111	95	69	340,197,857	
TOTAL OR AVERAGE	57	2	236	11,411	11,649	11,706	3,338	15,044	.04	8.21	8.25	2.35	10.60	241	399	640	144,220	283,923,181	4,058	3,178	1,014,752,964	

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, 1990

WORK LOCATION AND EMPLOYMENT SIZE GROUP	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																	
1 - 4-----	-	-	-	8	8	8	2	10	-	-	-	291	291	291	-	36	36
5 - 9-----	8	-	1	60	61	69	21	90	48,000	-	3,000	1,894	4,894	52,894	3,000	32	767
10 - 19-----	4	-	11	528	539	543	113	656	24,000	-	6,800	20,334	27,134	51,134	618	39	94
20 - 34-----	10	2	20	999	1,021	1,031	255	1,286	60,000	12,000	18,150	42,537	72,687	132,687	908	43	129
35 - 49-----	4	-	21	762	783	787	187	974	24,000	-	7,945	33,280	41,225	65,225	378	44	83
50 - 99-----	7	-	20	795	815	822	235	1,057	42,000	-	19,060	31,900	50,960	92,960	953	40	113
100 - 149-----	1	-	11	693	704	705	189	894	6,000	-	6,325	23,888	30,213	36,213	575	34	51
150 - 249-----	6	-	30	1,696	1,726	1,732	425	2,157	36,000	-	2,615	68,436	71,051	107,051	87	40	62
250 OR MORE-----	5	-	61	3,432	3,493	3,498	755	4,253	30,000	-	24,180	130,545	154,725	184,725	396	38	53
TOTAL OR AVERAGE-----	45	2	175	8,973	9,150	9,195	2,182	11,377	270,000	12,000	88,075	353,105	453,180	723,180	503	39	79
SURFACE MINES: STRIP:																	
1 - 4-----	-	-	1	14	15	15	10	25	-	-	50	295	345	345	50	21	23
5 - 9-----	-	-	-	51	51	51	32	83	-	-	-	1,420	1,420	1,420	-	28	28
10 - 19-----	1	-	5	123	128	129	51	180	6,000	-	800	3,501	4,301	10,301	160	28	80
20 - 34-----	1	-	5	245	250	251	78	329	6,000	-	6,230	7,911	14,141	20,141	1,246	32	80
35 - 49-----	1	-	1	134	135	136	69	205	6,000	-	50	4,552	4,602	10,602	50	34	78
50 - 99-----	1	-	8	410	418	419	154	573	6,000	-	7,810	13,232	21,042	27,042	976	32	65
100 - 149-----	1	-	4	127	131	132	57	189	6,000	-	250	3,785	4,035	10,035	62	30	76
150 - 249-----	3	-	5	284	289	292	153	445	18,000	-	325	12,263	12,588	30,588	65	43	105
250 OR MORE-----	1	-	4	251	255	256	182	438	6,000	-	210	8,386	8,596	14,596	52	33	57
TOTAL OR AVERAGE-----	9	-	33	1,639	1,672	1,681	786	2,467	54,000	-	15,725	55,345	71,070	125,070	477	34	74
AUGER:																	
1 - 4-----	-	-	1	10	11	11	4	15	-	-	60	354	414	414	60	35	38
5 - 9-----	-	-	1	4	5	5	2	7	-	-	1,200	159	1,359	1,359	1,200	40	272
10 - 19-----	-	-	-	12	12	12	4	16	-	-	-	652	652	652	-	54	54
20 - 34-----	-	-	-	1	1	1	-	1	-	-	-	16	16	16	-	16	16
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	2,441	630	44	84
CULM BANK:																	
1 - 4-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 9-----	-	-	-	6	6	6	3	9	-	-	-	274	274	274	-	46	46
10 - 19-----	-	-	-	10	10	10	-	10	-	-	-	86	86	86	-	9	9
20 - 34-----	-	-	-	10	10	10	-	10	-	-	-	895	895	895	-	90	90
TOTAL OR AVERAGE-----	-	-	-	26	26	26	3	29	-	-	-	1,255	1,255	1,255	-	48	48
DREDGE:																	
1 - 4-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 9-----	-	-	-	1	1	1	-	1	-	-	-	8	8	8	-	8	8
10 - 19-----	-	-	-	2	2	2	-	2	-	-	-	20	20	20	-	10	10
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9

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, 1990 (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		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, SURFACE:	-	-	2	24	26	26	14	40	-	-	110	649	759	759	55	27	29
1 - 4-----	-	-	1	62	63	63	37	100	-	-	1,200	1,861	3,061	3,061	1,200	30	49
5 - 9-----	1	-	5	147	152	153	55	208	6,000	-	800	4,259	5,059	11,059	160	29	72
10 - 19-----	1	-	5	256	261	262	78	340	6,000	-	6,230	8,822	15,052	21,052	1,246	34	80
20 - 34-----	1	-	1	134	135	136	69	205	6,000	-	50	4,552	4,602	10,602	50	34	78
35 - 49-----	1	-	8	410	418	419	154	573	6,000	-	7,810	13,232	21,042	27,042	976	32	65
50 - 99-----	1	-	4	127	131	132	57	189	6,000	-	250	3,785	4,035	10,035	62	30	76
100 - 149-----	3	-	5	284	289	292	153	445	18,000	-	325	12,263	12,588	30,588	65	43	105
150 - 249-----	1	-	4	251	255	256	182	438	6,000	-	210	8,386	8,596	14,596	52	33	57
250 OR MORE-----	9	-	35	1,695	1,730	1,739	799	2,538	54,000	-	16,985	57,809	74,794	128,794	485	34	74
TOTAL OR AVERAGE-----	9	-	35	1,695	1,730	1,739	799	2,538	54,000	-	16,985	57,809	74,794	128,794	485	34	74
TOTAL OR AVERAGE, MINING:	-	-	2	32	34	34	16	50	-	-	110	940	1,050	1,050	55	29	31
1 - 4-----	8	-	2	122	124	132	58	190	48,000	-	4,200	3,755	7,955	55,955	2,100	31	424
5 - 9-----	5	-	16	675	691	696	168	864	30,000	-	7,600	24,593	32,193	62,193	475	36	89
10 - 19-----	11	2	25	1,255	1,282	1,293	333	1,626	66,000	12,000	24,380	51,359	87,739	153,739	975	41	119
20 - 34-----	5	-	22	896	918	923	256	1,179	30,000	-	7,995	37,832	45,827	75,827	363	42	82
35 - 49-----	8	-	28	1,205	1,233	1,241	389	1,630	48,000	-	26,870	45,132	72,002	120,002	960	37	97
50 - 99-----	2	-	15	820	835	837	246	1,083	12,000	-	6,575	27,673	34,248	46,248	438	34	55
100 - 149-----	9	-	35	1,980	2,015	2,024	578	2,602	54,000	-	2,940	80,699	83,639	137,639	84	41	68
150 - 249-----	6	-	65	3,683	3,748	3,754	937	4,691	36,000	-	24,930	138,931	163,321	199,321	375	38	53
250 OR MORE-----	54	2	210	10,668	10,880	10,934	2,981	13,915	324,000	12,000	105,060	410,914	527,974	851,974	500	39	78
TOTAL OR AVERAGE-----	54	2	210	10,668	10,880	10,934	2,981	13,915	324,000	12,000	105,060	410,914	527,974	851,974	500	39	78
INDEPENDENT SHOPS:	-	-	-	2	2	2	1	3	-	-	-	25	25	25	-	12	12
1 - 4-----	-	-	1	8	9	9	5	14	-	-	50	280	330	330	50	35	37
5 - 9-----	-	-	-	11	11	11	7	18	-	-	-	165	165	165	-	15	15
10 - 19-----	1	-	1	12	13	14	6	20	6,000	-	50	278	328	6,328	50	23	452
20 - 34-----	-	-	-	18	18	18	15	33	-	-	-	498	498	498	-	28	28
35 - 49-----	-	-	-	14	14	14	3	17	-	-	-	759	759	759	-	54	54
50 - 99-----	-	-	-	5	5	5	11	16	-	-	-	103	103	103	-	21	21
100 - 149-----	1	-	2	70	72	73	48	121	6,000	-	100	2,108	2,208	8,208	50	30	112
TOTAL OR AVERAGE-----	1	-	2	70	72	73	48	121	6,000	-	100	2,108	2,208	8,208	50	30	112
PROCESSING PLANTS:	-	-	-	33	33	33	9	42	-	-	-	1,285	1,285	1,285	-	39	39
1 - 4-----	-	-	4	72	76	76	33	109	-	-	610	1,893	2,503	2,503	152	26	33
5 - 9-----	2	-	5	101	106	108	43	151	12,000	-	3,530	2,717	6,247	18,247	706	27	169
10 - 19-----	1	1	6	219	226	227	97	324	6,000	6,000	4,100	7,006	17,106	23,106	683	32	102
20 - 34-----	1	-	9	193	202	203	70	273	6,000	-	6,360	7,890	14,250	20,250	707	41	100
35 - 49-----	-	-	5	175	180	180	57	237	-	-	250	7,514	7,864	7,864	50	44	44
50 - 99-----	-	-	-	44	44	44	21	65	-	-	-	1,469	1,469	1,469	-	33	33
100 - 149-----	-	-	-	4	4	4	6	10	-	-	-	165	165	165	-	41	41
150 - 249-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	4	1	29	841	871	875	336	1,211	24,000	6,000	14,850	30,039	50,889	74,889	512	36	86

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, 1990 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																	
1 - 4-----	-	-	2	67	69	69	26	95	-	-	110	2,250	2,360	2,360	55	34	34
5 - 9-----	8	-	7	202	209	217	96	313	48,000	-	4,860	5,928	10,788	58,788	694	29	271
10 - 19-----	7	-	21	787	808	815	218	1,033	42,000	-	11,130	27,475	38,605	80,605	530	35	99
20 - 34-----	13	3	32	1,486	1,521	1,534	436	1,970	78,000	18,000	28,530	58,643	105,173	183,173	892	39	119
35 - 49-----	6	-	31	1,107	1,138	1,144	341	1,485	36,000	-	14,355	46,220	60,575	96,575	463	42	84
50 - 99-----	8	-	33	1,394	1,427	1,435	449	1,884	48,000	-	27,120	53,505	80,625	128,625	822	38	90
100 - 149-----	2	-	15	869	884	886	278	1,164	12,000	-	6,575	29,245	35,820	47,820	438	34	54
150 - 249-----	9	-	35	1,984	2,019	2,028	584	2,612	54,000	-	2,940	80,864	83,804	137,804	84	41	68
250 OR MORE-----	6	-	65	3,683	3,748	3,754	937	4,691	36,000	-	24,390	138,931	163,321	199,321	375	38	53
TOTAL OR AVERAGE-----	59	3	241	11,579	11,823	11,882	3,365	15,247	354,000	18,000	120,010	443,061	581,071	935,071	498	38	79
OFFICE:																	
1 - 4-----	-	-	-	6	6	6	3	9	-	-	-	156	156	156	-	26	26
5 - 9-----	-	-	-	4	4	4	2	6	-	-	-	24	24	24	-	6	6
10 - 19-----	-	-	-	5	5	5	1	6	-	-	-	28	28	28	-	6	6
20 - 34-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
35 - 49-----	-	-	-	1	1	1	4	5	-	-	-	1	1	1	-	1	1
50 - 99-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
100 - 149-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12
GRAND TOTAL OR AVERAGE:																	
1 - 4-----	-	-	2	73	75	75	29	104	-	-	110	2,406	2,516	2,516	55	33	34
5 - 9-----	8	-	7	206	213	221	98	319	48,000	-	4,860	5,952	10,812	58,812	694	29	266
10 - 19-----	7	-	21	792	813	820	219	1,039	42,000	-	11,130	27,503	38,633	80,633	530	35	98
20 - 34-----	13	3	32	1,487	1,522	1,535	436	1,971	78,000	18,000	28,530	58,645	105,175	183,175	892	39	119
35 - 49-----	6	-	31	1,108	1,139	1,145	345	1,490	36,000	-	14,355	46,221	60,576	96,576	463	42	84
50 - 99-----	8	-	33	1,394	1,427	1,435	450	1,885	48,000	-	27,120	53,505	80,625	128,625	822	38	90
100 - 149-----	2	-	15	869	884	886	278	1,164	12,000	-	6,575	29,245	35,820	47,820	438	34	54
150 - 249-----	9	-	35	1,984	2,019	2,028	584	2,612	54,000	-	2,940	80,864	83,804	137,804	84	41	68
250 OR MORE-----	6	-	65	3,683	3,748	3,754	937	4,691	36,000	-	24,390	138,931	163,321	199,321	375	38	53
TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,899	3,376	15,275	354,000	18,000	120,010	443,272	581,282	935,282	498	38	79

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, 1990

WORK LOCATION AND EMPLOYMENT SIZE GROUP	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 - 4-----	-	-	-	6	6	6	2	8	-	-	435	435	435	-	72	72	
5 - 9-----	-	-	1	4	5	5	1	6	-	50	51	101	50	13	20		
10 - 19-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
20 - 34-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE-----	-	-	1	10	11	11	3	14	-	50	486	536	536	50	49	49	
SURFACE MINES:																	
STRIP:																	
1 - 4-----	-	-	-	2	2	2	4	6	-	-	83	83	83	-	42	42	
5 - 9-----	-	-	-	6	6	6	1	7	-	-	111	111	111	-	18	18	
10 - 19-----	-	-	-	8	8	8	-	8	-	-	359	359	359	-	45	45	
20 - 34-----	-	-	-	11	11	11	1	12	-	-	1,048	1,048	1,048	-	95	95	
50 - 99-----	-	-	1	30	31	31	8	39	-	50	2,350	2,400	2,400	50	78	77	
150 - 249-----	-	-	-	19	19	19	-	19	-	-	749	749	749	-	39	39	
TOTAL OR AVERAGE-----	-	-	1	76	77	77	14	91	-	50	4,700	4,750	4,750	50	62	62	
CULM BANK:																	
1 - 4-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5 - 9-----	-	-	-	3	3	3	3	6	-	-	25	25	25	-	8	8	
10 - 19-----	-	-	-	3	3	3	-	3	-	-	22	22	22	-	7	7	
20 - 34-----	-	-	-	10	10	10	-	10	-	-	895	895	895	-	90	90	
TOTAL OR AVERAGE-----	-	-	-	16	16	16	3	19	-	-	942	942	942	-	59	59	
DREDGE:																	
1 - 4-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, SURFACE:																	
1 - 4-----	-	-	-	2	2	2	4	6	-	-	83	83	83	-	42	42	
5 - 9-----	-	-	-	9	9	9	4	13	-	-	136	136	136	-	15	15	
10 - 19-----	-	-	-	11	11	11	-	11	-	-	381	381	381	-	35	35	
20 - 34-----	-	-	-	21	21	21	1	22	-	-	1,943	1,943	1,943	-	93	93	
50 - 99-----	-	-	1	30	31	31	8	39	-	50	2,350	2,400	2,400	50	78	77	
150 - 249-----	-	-	-	19	19	19	-	19	-	-	749	749	749	-	39	39	
TOTAL OR AVERAGE-----	-	-	1	92	93	93	17	110	-	50	5,642	5,692	5,692	50	61	61	

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, 1990 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, MINING:	-	-	-	2	2	2	4	6	-	-	-	83	83	83	-	42	42
1 - 4-----	-	-	-	15	15	15	6	21	-	-	-	571	571	571	-	38	38
5 - 9-----	-	-	-	15	16	16	1	17	-	-	50	432	482	482	50	29	30
10 - 19-----	-	-	1	21	21	21	1	22	-	-	-	1,943	1,943	1,943	-	93	93
20 - 34-----	-	-	-	30	31	31	8	39	-	-	50	2,350	2,400	2,400	50	78	77
50 - 99-----	-	-	1	19	19	19	-	19	-	-	-	749	749	749	-	39	39
150 - 249-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	2	102	104	104	20	124	-	-	100	6,128	6,228	6,228	50	60	60
INDEPENDENT SHOPS:	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
1 - 4-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
5 - 9-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10 - 19-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 - 34-----	-	-	-	2	2	2	1	3	-	-	-	202	202	202	-	101	101
TOTAL OR AVERAGE-----	-	-	-	3	3	3	3	6	-	-	-	222	222	222	-	74	74
PROCESSING PLANTS:	-	-	-	5	5	5	-	5	-	-	-	223	223	223	-	45	45
1 - 4-----	-	-	-	11	13	13	1	14	-	-	-	139	399	399	130	13	31
5 - 9-----	-	-	2	9	9	11	3	14	-	-	260	243	243	12,243	-	27	1,113
10 - 19-----	2	-	-	22	24	24	7	31	12,000	-	-	390	6,440	6,440	50	18	268
20 - 34-----	-	1	1	33	33	33	4	37	-	6,000	50	1,433	1,433	1,433	-	43	43
50 - 99-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	2	1	3	80	84	86	15	101	12,000	6,000	310	2,428	8,738	20,738	103	30	241
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	8	8	8	4	12	-	-	-	326	326	326	-	41	41
1 - 4-----	-	-	-	26	28	28	9	37	-	-	-	710	970	970	130	27	35
5 - 9-----	-	-	2	24	25	27	4	31	12,000	-	260	675	725	12,725	50	28	471
10 - 19-----	-	-	1	45	47	47	9	56	-	6,000	50	2,535	8,585	8,585	50	56	183
20 - 34-----	-	1	1	63	64	64	12	76	-	-	50	3,783	3,833	3,833	50	60	60
50 - 99-----	-	-	-	19	19	19	-	19	-	-	-	749	749	749	-	39	39
150 - 249-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141
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, 1990 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE :	-	-	-	8	8	8	4	12	-	-	-	326	326	326	-	41	41
1 - 4-----	-	-	-	8	8	8	4	12	-	-	-	326	326	326	-	41	41
5 - 9-----	-	-	2	26	28	28	9	37	-	-	260	710	970	130	27	35	
10 - 19-----	2	-	1	24	25	27	4	31	12,000	-	50	675	725	12,725	50	28	471
20 - 34-----	-	1	1	45	47	47	9	56	-	6,000	50	2,535	8,585	8,585	50	56	183
50 - 99-----	-	-	1	63	64	64	12	76	-	-	50	3,783	3,833	3,833	50	60	60
150 - 249-----	-	-	-	19	19	19	-	19	-	-	-	749	749	749	-	39	39
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141

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, 1990

WORK LOCATION AND EMPLOYMENT SIZE GROUP	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																	
1 - 4-----	-	-	-	8	8	8	2	10	-	-	-	291	291	291	-	36	36
5 - 9-----	8	-	1	54	55	63	19	82	48,000	-	3,000	1,459	4,459	52,459	3,000	27	833
10 - 19-----	4	-	10	524	534	538	112	650	24,000	-	6,750	20,283	27,033	51,033	675	39	95
20 - 34-----	10	2	20	999	1,021	1,031	255	1,286	60,000	12,000	18,150	42,537	72,687	132,687	908	43	129
35 - 49-----	4	-	21	762	783	787	187	974	24,000	-	7,945	33,280	41,225	65,225	378	44	83
50 - 99-----	7	-	20	795	815	822	235	1,057	42,000	-	19,060	31,900	50,960	92,960	953	40	113
100 - 149-----	1	-	11	693	704	705	189	894	6,000	-	6,325	23,888	30,213	36,213	575	34	51
150 - 249-----	6	-	30	1,696	1,726	1,732	425	2,157	36,000	-	2,615	68,436	71,051	107,051	87	40	62
250 OR MORE-----	5	-	61	3,432	3,493	3,498	755	4,253	30,000	-	24,180	130,545	154,725	184,725	396	38	53
TOTAL OR AVERAGE-----	45	2	174	8,963	9,139	9,184	2,179	11,363	270,000	12,000	88,025	352,619	452,644	722,644	506	39	79
SURFACE MINES:																	
STRIP:																	
1 - 4-----	-	-	1	12	13	13	6	19	-	-	50	212	262	262	50	18	20
5 - 9-----	-	-	-	45	45	45	31	76	-	-	-	1,309	1,309	1,309	-	29	29
10 - 19-----	1	-	5	115	120	121	51	172	6,000	-	800	3,142	3,942	9,942	160	27	82
20 - 34-----	1	-	5	234	239	240	77	317	6,000	-	6,230	6,863	13,093	19,093	1,246	29	80
35 - 49-----	1	-	1	134	135	136	69	205	6,000	-	50	4,552	4,602	10,602	50	34	78
50 - 99-----	1	-	7	380	387	388	146	534	6,000	-	7,760	10,882	18,642	24,642	1,109	29	64
100 - 149-----	1	-	4	127	131	132	57	189	6,000	-	250	3,785	4,035	10,035	62	30	76
150 - 249-----	3	-	5	265	270	273	153	426	18,000	-	325	11,514	11,839	29,839	65	43	109
250 OR MORE-----	1	-	4	251	255	256	182	438	6,000	-	210	8,386	8,596	14,596	52	33	57
TOTAL OR AVERAGE-----	9	-	32	1,563	1,595	1,604	772	2,376	54,000	-	15,675	50,645	66,320	120,320	490	32	75
AUGER:																	
1 - 4-----	-	-	1	10	11	11	4	15	-	-	60	354	414	414	60	35	38
5 - 9-----	-	-	1	4	5	5	2	7	-	-	1,200	159	1,359	1,359	1,200	40	272
10 - 19-----	-	-	-	12	12	12	4	16	-	-	-	652	652	652	-	54	54
20 - 34-----	-	-	-	1	1	1	-	1	-	-	-	16	16	16	-	16	16
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	2,441	630	44	84
CULM BANK:																	
1 - 4-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 9-----	-	-	-	3	3	3	-	3	-	-	-	249	249	249	-	83	83
10 - 19-----	-	-	-	7	7	7	-	7	-	-	-	64	64	64	-	9	9
TOTAL OR AVERAGE-----	-	-	-	10	10	10	-	10	-	-	-	313	313	313	-	31	31
DREDGE:																	
1 - 4-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 9-----	-	-	-	1	1	1	-	1	-	-	-	8	8	8	-	8	8
10 - 19-----	-	-	-	2	2	2	-	2	-	-	-	20	20	20	-	10	10
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9

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, 1990 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES							LOST WORKDAYS							AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT		TEMPO- RARY					TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, SURFACE:	-	-	2	22	24	10	34	-	-	110	566	676	676	55	26	28	
1 - 4	-	-	1	53	54	33	87	-	-	1,200	1,725	2,925	2,925	1,200	33	54	
5 - 9	1	-	5	136	141	55	197	6,000	-	800	3,878	4,678	10,678	1,600	29	75	
10 - 19	1	-	5	235	240	77	318	6,000	-	6,230	6,879	13,109	19,109	1,246	29	79	
20 - 34	1	-	1	134	135	69	205	6,000	-	50	4,552	4,602	10,602	50	34	78	
35 - 49	1	-	7	380	387	146	534	6,000	-	7,760	10,882	18,642	24,642	1,109	29	64	
50 - 99	1	-	4	127	131	57	189	6,000	-	250	3,785	4,035	10,035	62	30	76	
100 - 149	3	-	5	265	270	153	426	18,000	-	325	11,514	11,839	29,839	65	43	109	
150 - 249	1	-	4	251	255	182	438	6,000	-	210	8,386	8,596	14,596	52	33	57	
250 OR MORE																	
TOTAL OR AVERAGE	9	-	34	1,603	1,637	782	2,428	54,000	-	16,935	52,167	69,102	123,102	498	33	75	
TOTAL OR AVERAGE, MINING:																	
1 - 4	-	-	2	30	32	12	44	-	-	110	857	967	967	55	29	30	
5 - 9	8	-	2	107	109	52	169	48,000	-	4,200	3,184	7,384	55,384	2,100	30	473	
10 - 19	5	-	15	660	675	167	847	30,000	-	7,550	24,161	31,711	61,711	503	37	91	
20 - 34	11	2	25	1,234	1,261	332	1,604	66,000	12,000	24,380	49,416	85,796	151,796	975	40	119	
35 - 49	5	-	22	896	918	256	1,179	30,000	-	7,995	37,832	45,827	75,827	363	42	82	
50 - 99	8	-	27	1,175	1,202	381	1,591	48,000	-	26,820	42,782	69,602	117,602	993	36	97	
100 - 149	2	-	15	820	835	246	1,083	12,000	-	6,575	27,673	34,248	46,248	438	34	55	
150 - 249	9	-	35	1,961	1,996	578	2,583	54,000	-	2,940	79,950	82,890	136,890	84	41	68	
250 OR MORE	6	-	65	3,683	3,748	937	4,691	36,000	-	24,390	138,931	163,321	199,321	375	38	53	
TOTAL OR AVERAGE	54	2	208	10,566	10,776	2,961	13,791	324,000	12,000	104,960	404,786	521,746	845,746	505	38	78	
INDEPENDENT SHOPS:																	
1 - 4	-	-	-	1	1	1	2	-	-	-	5	5	5	-	5	5	
5 - 9	-	-	1	8	9	3	12	-	-	50	280	330	330	50	35	37	
10 - 19	-	-	-	11	11	7	18	-	-	-	165	165	165	-	15	15	
20 - 34	1	-	1	10	11	5	17	6,000	-	50	76	126	6,126	50	8	510	
35 - 49	-	-	-	18	18	15	33	-	-	-	498	498	498	-	28	28	
50 - 99	-	-	-	14	14	3	17	-	-	-	759	759	759	-	54	54	
100 - 149	-	-	-	5	5	11	16	-	-	-	103	103	103	-	21	21	
TOTAL OR AVERAGE	1	-	2	67	69	45	115	6,000	-	100	1,886	1,986	7,986	50	28	114	
PROCESSING PLANTS:																	
1 - 4	-	-	-	28	28	9	37	-	-	-	1,062	1,062	1,062	-	38	38	
5 - 9	-	-	2	61	63	32	95	-	-	350	1,754	2,104	2,104	175	29	33	
10 - 19	-	-	5	92	97	40	137	-	-	3,530	2,474	6,004	6,004	706	27	62	
20 - 34	1	-	5	197	202	90	293	6,000	-	4,050	6,616	10,666	16,666	810	34	82	
35 - 49	1	-	9	193	202	70	273	6,000	-	6,360	7,890	14,250	20,250	707	41	100	
50 - 99	-	-	5	142	147	53	200	-	-	250	6,181	6,431	6,431	50	44	44	
100 - 149	-	-	-	44	44	21	65	-	-	-	1,469	1,469	1,469	-	33	33	
150 - 249	-	-	-	4	4	6	10	-	-	-	165	165	165	-	41	41	
TOTAL OR AVERAGE	2	-	26	761	787	321	1,110	12,000	-	14,540	27,611	42,151	54,151	559	36	69	

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, 1990 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																	
1 - 4-----	-	-	2	59	61	61	22	83	-	-	110	1,924	2,034	2,034	55	33	33
5 - 9-----	8	-	5	176	181	189	87	276	48,000	-	4,600	5,218	9,818	57,818	920	30	306
10 - 19-----	5	-	20	763	783	788	214	1,002	30,000	-	11,080	26,800	37,880	67,880	554	35	86
20 - 34-----	13	2	31	1,441	1,474	1,487	427	1,914	78,000	12,000	28,480	56,108	96,588	174,588	919	39	117
35 - 49-----	6	-	31	1,107	1,138	1,144	341	1,485	36,000	-	14,355	46,220	60,575	96,575	463	42	84
50 - 99-----	8	-	32	1,331	1,363	1,371	437	1,808	48,000	-	27,070	49,722	76,792	124,792	846	37	91
100 - 149-----	2	-	15	869	884	886	278	1,164	12,000	-	6,575	29,245	35,820	47,820	438	34	54
150 - 249-----	9	-	35	1,965	2,000	2,009	584	2,593	54,000	-	2,940	80,115	83,055	137,055	84	41	58
250 OR MORE-----	6	-	65	3,683	3,748	3,754	937	4,691	36,000	-	24,390	138,931	163,321	199,321	375	38	53
TOTAL OR AVERAGE-----	57	2	236	11,394	11,632	11,689	3,327	15,016	342,000	12,000	119,600	434,283	565,883	907,883	507	38	78
OFFICE:																	
1 - 4-----	-	-	-	6	6	6	3	9	-	-	-	156	156	156	-	26	26
5 - 9-----	-	-	-	4	4	4	2	6	-	-	-	24	24	24	-	6	6
10 - 19-----	-	-	-	5	5	5	1	6	-	-	-	28	28	28	-	6	6
20 - 34-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
35 - 49-----	-	-	-	1	1	1	4	5	-	-	-	1	1	1	-	1	1
50 - 99-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
100 - 149-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12
GRAND TOTAL OR AVERAGE:																	
1 - 4-----	-	-	2	65	67	67	25	92	-	-	110	2,080	2,190	2,190	55	32	33
5 - 9-----	8	-	5	180	185	193	89	282	48,000	-	4,600	5,242	9,842	57,842	920	29	300
10 - 19-----	5	-	20	768	788	793	215	1,008	30,000	-	11,080	26,828	37,908	67,908	554	35	86
20 - 34-----	13	2	31	1,442	1,475	1,488	427	1,915	78,000	12,000	28,480	56,110	96,590	174,590	919	39	117
35 - 49-----	6	-	31	1,108	1,139	1,145	345	1,490	36,000	-	14,355	46,221	60,576	96,576	463	42	84
50 - 99-----	8	-	32	1,331	1,363	1,371	438	1,809	48,000	-	27,070	49,722	76,792	124,792	846	37	91
100 - 149-----	2	-	15	869	884	886	278	1,164	12,000	-	6,575	29,245	35,820	47,820	438	34	54
150 - 249-----	9	-	35	1,965	2,000	2,009	584	2,593	54,000	-	2,940	80,115	83,055	137,055	84	41	58
250 OR MORE-----	6	-	65	3,683	3,748	3,754	937	4,691	36,000	-	24,390	138,931	163,321	199,321	375	38	53
TOTAL OR AVERAGE-----	57	2	236	11,411	11,649	11,706	3,338	15,044	342,000	12,000	119,600	434,494	566,094	908,094	507	38	78

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990

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	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:	-	-	10	360	370	370	139	509	-	10.28	10.28	3.86	14.14	-	671	671	3,669	7,201,814	13	-	16,166,946
ALABAMA-----	1	-	1	173	174	175	63	238	.08	14.18	14.26	5.13	19.40	489	410	899	1,159	2,454,235	16	-	9,878,934
COLORADO-----	3	-	14	1,276	1,290	1,293	165	1,458	.04	18.63	18.67	2.38	21.06	260	709	969	6,444	13,848,097	28	-	42,819,019
ILLINOIS-----	1	-	-	13	13	14	9	23	.59	7.68	8.27	5.31	13.58	3,543	84	3,627	156	338,743	4	-	1,816,325
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1,802	1	-	356
IOWA-----	17	2	43	1,912	1,957	1,974	441	2,415	.11	12.20	12.30	2.75	15.05	636	788	1,424	17,373	32,086,298	654	-	103,261,606
KENTUCKY-----	1	-	2	71	73	74	5	79	.39	28.23	28.61	1.93	30.55	2,320	673	2,993	236	517,221	1	-	1,980,072
MARYLAND-----	-	-	-	2	2	2	2	2	-	22.24	22.24	-	22.24	-	523	523	10	17,984	1	-	73,843
NEW MEXICO-----	2	-	5	177	182	184	94	278	.09	8.07	8.16	4.17	12.33	532	335	868	2,216	4,509,424	14	-	13,081,762
OHIO-----	1	-	-	10	10	11	-	11	4.02	40.22	44.24	-	44.24	24,133	1,271	25,404	25	49,725	1	-	92,526
OKLAHOMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	1	8	9	9	2	11	-	4.56	4.56	1.01	5.57	-	267	267	317	394,939	75	-	415,518
BITUMINOUS-----	2	-	25	1,155	1,180	1,182	337	1,519	.03	15.44	15.47	4.41	19.88	157	787	945	7,584	15,280,319	86	-	40,430,125
ALL COAL-----	2	-	26	1,163	1,189	1,191	339	1,530	.03	15.17	15.20	4.33	19.52	153	774	927	7,901	15,675,258	161	-	40,845,643
TENNESSEE-----	1	-	4	117	121	122	16	138	.09	10.83	10.92	1.43	12.35	537	881	1,418	1,182	2,235,150	65	-	4,529,834
UTAH-----	-	-	7	143	150	150	68	218	-	7.64	7.64	3.46	11.10	-	221	221	1,895	3,926,314	24	-	22,046,515
VIRGINIA-----	4	-	16	899	915	919	224	1,143	.06	13.37	13.43	3.27	16.70	351	681	1,031	7,243	13,685,593	254	-	38,227,812
WEST VIRGINIA-----	9	-	30	2,068	2,098	2,107	374	2,481	.05	11.27	11.32	2.01	13.33	290	485	775	19,445	37,236,039	494	-	123,255,213
WYOMING-----	1	-	-	9	9	10	5	15	.41	3.71	4.12	2.06	6.18	2,471	156	2,627	205	485,671	4	-	1,718,035
TOTAL OR AVERAGE:																					
ANTHRACITE-----	-	-	1	8	9	9	2	11	-	4.56	4.56	1.01	5.57	-	267	267	317	394,939	75	-	415,518
BITUMINOUS-----	43	2	157	8,385	8,544	8,587	1,940	10,527	.06	12.76	12.83	2.90	15.73	385	637	1,022	68,851	133,874,429	1,660	-	419,378,923
ALL COAL-----	43	2	158	8,393	8,553	8,596	1,942	10,538	.06	12.74	12.80	2.89	15.70	384	635	1,020	69,168	134,269,368	1,735	-	419,794,441
SURFACE AT UNDERGROUND:																					
ALABAMA-----	-	-	-	20	20	20	16	36	-	6.49	6.49	5.19	11.67	-	279	279	309	616,795	1	11	-
COLORADO-----	-	-	1	9	10	10	9	19	-	4.64	4.64	4.18	8.82	-	674	674	224	430,886	1	16	-
ILLINOIS-----	-	-	1	83	84	84	17	101	-	9.68	9.68	1.96	11.64	-	388	388	774	1,735,327	1	28	-
INDIANA-----	-	-	-	3	3	3	3	6	-	13.31	13.31	13.31	26.61	-	120	120	24	45,090	-	4	-
IOWA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	6,136	1	-	-
KENTUCKY-----	1	-	6	144	150	151	51	202	.06	8.26	8.31	2.81	11.12	330	498	828	2,184	3,633,274	12	514	-
MARYLAND-----	-	-	-	4	4	4	5	9	-	33.18	33.18	41.47	74.65	-	1,327	1,327	11	24,113	-	1	-
NEW MEXICO-----	-	-	-	1	1	1	1	1	-	20.11	20.11	-	20.11	-	101	101	6	9,945	1	1	-
OHIO-----	-	-	1	12	13	13	6	19	-	5.66	5.66	2.61	8.27	-	241	241	191	459,661	3	13	-
OKLAHOMA-----	-	-	-	-	-	-	1	1	-	-	-	18.01	18.01	-	-	-	9	11,105	2	1	-
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	2	2	2	1	3	-	3.25	3.25	1.62	4.87	-	13	13	99	123,144	1	64	-
BITUMINOUS-----	-	-	2	54	56	56	34	90	-	8.00	8.00	4.85	12.85	-	308	308	657	1,400,762	8	79	-
ALL COAL-----	-	-	2	56	58	58	35	93	-	7.61	7.61	4.59	12.21	-	284	284	756	1,523,912	9	143	-
TENNESSEE-----	-	-	-	15	15	15	3	18	-	16.44	16.44	3.29	19.72	-	284	284	116	182,533	-	50	-
UTAH-----	-	-	-	22	22	22	11	33	-	10.44	10.44	5.22	15.66	-	438	438	234	421,435	-	16	-
VIRGINIA-----	1	-	2	69	71	72	29	101	12	8.63	8.76	3.53	12.28	730	278	1,008	895	1,644,497	6	226	-
WEST VIRGINIA-----	-	-	4	138	142	142	54	196	-	9.16	9.16	3.48	12.64	-	351	351	1,819	3,100,441	6	371	-
WYOMING-----	-	-	-	4	4	4	-	4	-	8.69	8.69	-	8.69	-	80	80	44	92,020	-	3	-
TOTAL OR AVERAGE:																					
ANTHRACITE-----	-	-	-	2	2	2	1	3	-	3.25	3.25	1.62	4.87	-	13	13	99	123,144	1	64	-
BITUMINOUS-----	2	-	17	578	595	597	239	836	.03	8.61	8.64	3.46	12.10	174	385	558	7,510	13,814,032	41	1,335	-
ALL COAL-----	2	-	17	580	597	599	240	839	.03	8.57	8.60	3.44	12.04	172	381	554	7,609	13,937,176	42	1,399	-

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	PRODUCTION (SHORT TONS)	
	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, UG:	-	-	10	380	390	390	155	545	-	9.98	9.98	3.96	13.94	-	640	640	3.978	7,818,609	14	11	16,166,946
ALABAMA-----	1	-	2	182	184	185	72	257	.07	12.76	12.82	4.99	17.82	416	450	866	1,383	2,885,121	17	16	9,878,934
COLORADO-----	3	-	15	1,359	1,374	1,377	182	1,559	.04	17.63	17.67	2.34	20.01	231	674	905	7,218	15,583,424	29	28	42,819,019
ILLINOIS-----	1	-	-	16	16	17	12	29	.52	8.34	8.86	6.25	15.11	3,126	89	3,215	180	383,839	4	4	1,816,325
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	7,938	1	1	356
IOWA-----	18	2	49	2,056	2,107	2,125	492	2,617	.10	11.80	11.90	2.75	14.65	605	759	1,363	19,557	35,719,572	666	514	103,261,606
KENTUCKY-----	1	-	2	75	77	78	10	88	.37	28.45	28.82	3.69	32.51	2,217	702	2,919	247	541,334	1	1	1,980,072
MARYLAND-----	-	-	-	3	3	3	-	3	-	21.48	21.48	-	21.48	-	372	372	16	27,929	2	1	73,843
NEW MEXICO-----	2	-	6	189	195	197	100	297	.08	7.85	7.93	4.02	11.95	483	327	810	2,407	4,969,085	17	13	13,081,762
OHIO-----	1	-	-	10	10	11	1	12	3.29	32.88	36.17	3.29	39.45	19,727	1,039	20,766	34	60,830	3	1	92,526
OKLAHOMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	1	10	11	11	3	14	-	4.25	4.25	1.16	5.40	-	207	207	416	518,083	76	64	415,518
BITUMINOUS-----	2	-	27	1,209	1,236	1,238	371	1,609	.02	14.82	14.84	4.45	19.29	144	747	891	8,241	16,681,087	94	79	40,430,125
ALL COAL-----	2	-	28	1,219	1,247	1,249	374	1,623	.02	14.50	14.52	4.35	18.87	140	731	870	8,657	17,199,170	170	143	40,845,643
TENNESSEE-----	1	-	4	132	136	137	19	156	.08	11.25	11.33	1.57	12.90	496	836	1,333	1,298	2,417,683	65	50	4,529,834
UTAH-----	-	-	7	165	172	172	79	251	-	7.91	7.91	3.63	11.55	-	242	242	2,129	4,347,749	24	16	22,046,515
VIRGINIA-----	5	-	18	968	986	991	253	1,244	.07	12.86	12.93	3.30	16.23	391	637	1,029	8,138	15,330,090	260	226	38,227,812
WEST VIRGINIA-----	9	-	34	2,206	2,240	2,249	428	2,677	.04	11.11	11.15	2.12	13.27	268	474	742	21,264	40,336,480	500	371	123,255,213
WYOMING-----	1	-	-	13	13	14	5	19	.35	4.50	4.85	1.73	6.58	2,077	144	2,221	249	577,691	4	3	1,718,035
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	1	10	11	11	3	14	-	4.25	4.25	1.16	5.40	-	207	207	416	518,083	76	64	415,518
BITUMINOUS-----	45	2	174	8,963	9,139	9,181	2,179	11,363	.06	12.38	12.44	2.95	15.39	366	613	979	76,361	147,688,461	1,701	1,335	419,378,923
ALL COAL-----	45	2	175	8,973	9,150	9,195	2,182	11,377	.06	12.35	12.41	2.94	15.35	364	612	976	76,777	148,206,544	1,777	1,399	419,794,441

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES								INCIDENT 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	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT		TEMPO- RARY	TOTAL NFDL																	
		TOTAL	PARTIAL																			
SURFACE MINES: STRIP:																						
ALABAMA-----	-	-	3	102	105	105	16	121	-	5.75	5.75	.88	6.63	-	253	253	1,957	3,649,880	84	-	11,630,923	
ALASKA-----	-	-	-	8	8	8	1	9	-	8.37	8.37	1.05	9.42	-	99	99	89	191,082	1	-	1,579,909	
ARIZONA-----	-	-	-	9	9	9	13	22	-	.95	.95	1.37	2.33	-	32	32	885	1,891,052	2	-	11,416,822	
ARKANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	38,370	7	-	56,248	
COLORADO-----	-	-	2	17	19	19	21	40	-	3.34	3.34	3.69	7.04	-	64	64	632	1,137,044	9	-	8,241,007	
ILLINOIS-----	1	-	2	97	99	100	38	138	.05	4.61	4.65	1.77	6.42	279	154	433	2,020	4,296,556	20	-	17,336,304	
INDIANA-----	1	-	2	137	139	140	102	242	.03	3.67	3.70	2.69	6.39	158	113	272	3,414	7,576,938	49	-	34,072,310	
IOWA-----	-	-	-	5	5	5	-	5	-	6.14	6.14	-	6.14	-	145	145	71	162,795	2	-	380,313	
KANSAS-----	-	-	-	6	6	6	3	9	-	3.59	3.59	1.80	5.39	-	242	242	131	334,076	3	-	740,948	
KENTUCKY-----	2	-	7	356	363	365	103	468	.02	4.11	4.14	1.17	5.30	136	236	372	8,682	17,646,701	361	-	66,477,708	
LOUISIANA-----	-	-	-	3	3	3	3	6	-	3.55	3.55	3.55	7.10	-	7	7	76	168,972	2	-	3,186,190	
MARYLAND-----	1	-	-	2	2	2	3	7	.32	.63	.95	2.21	3.16	1,897	13	1,910	286	632,684	23	-	1,350,264	
MISSOURI-----	-	-	-	18	18	18	8	26	-	4.16	4.16	1.85	6.00	-	108	108	572	866,403	9	-	2,638,956	
MONTANA-----	-	-	-	18	18	18	20	38	-	2.02	2.02	2.25	4.27	-	135	135	901	1,779,801	8	-	37,642,309	
NEW MEXICO-----	-	-	2	20	22	22	23	45	-	1.47	1.47	1.54	3.02	-	44	44	1,388	2,983,761	7	-	23,177,200	
NORTH DAKOTA-----	2	-	1	20	21	23	28	51	.22	2.27	2.48	3.02	5.50	1,294	34	1,328	946	1,854,044	8	-	29,081,848	
OHIO-----	-	-	2	105	107	107	60	167	-	3.38	3.38	1.90	5.28	-	107	107	2,981	6,323,874	145	-	20,883,982	
OKLAHOMA-----	-	-	-	29	29	29	19	48	-	7.56	7.56	4.96	12.52	-	171	171	388	766,809	23	-	1,545,566	
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	1	76	77	77	14	91	-	11.68	11.68	2.12	13.81	-	721	721	695	1,318,132	77	-	1,861,023	
BITUMINOUS-----	1	-	8	168	176	177	80	257	.02	3.99	4.02	1.81	5.83	136	180	316	4,234	8,815,683	362	-	26,041,980	
ALL COAL-----	1	-	9	244	253	254	94	348	.02	4.99	5.01	1.86	6.87	118	251	369	4,929	10,133,815	439	-	27,903,003	
TENNESSEE-----	-	-	-	14	14	14	4	18	-	4.35	4.35	1.24	5.59	-	218	218	366	644,020	24	-	1,606,300	
TEXAS-----	1	-	-	81	81	82	67	149	.03	2.20	2.23	1.82	4.05	163	28	191	3,433	7,362,846	14	-	54,643,002	
VIRGINIA-----	-	-	-	40	40	40	12	52	-	3.21	3.21	.96	4.17	-	103	103	1,341	2,493,081	76	-	7,591,702	
WASHINGTON-----	-	-	-	26	26	26	17	43	-	4.08	4.08	2.67	6.74	-	141	141	676	1,275,663	2	-	5,000,365	
WEST VIRGINIA-----	-	-	1	238	239	239	72	311	-	4.76	4.76	1.43	6.20	-	223	223	5,152	10,040,032	257	-	45,433,844	
WYOMING-----	-	-	2	44	46	46	55	101	-	1.28	1.28	1.54	2.82	-	62	62	3,622	7,162,666	28	-	179,178,419	
TOTAL OR AVERAGE:																						
ANTHRACITE-----	-	-	1	76	77	77	14	91	-	11.68	11.68	2.12	13.81	-	721	721	695	1,318,132	77	-	1,861,023	
BITUMINOUS-----	9	-	32	1,563	1,595	1,604	772	2,376	.02	3.54	3.56	1.71	5.27	120	147	267	44,266	90,094,833	1,526	-	590,934,419	
ALL COAL-----	9	-	33	1,639	1,672	1,681	786	2,467	.02	3.66	3.68	1.72	5.40	118	155	274	44,961	91,412,965	1,603	-	592,795,442	
AUGER:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1,930	2	-	16,938	
KENTUCKY-----	-	-	-	6	6	6	2	8	-	4.59	4.59	1.53	6.12	-	100	100	229	261,543	26	26	1,521,115	
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	288	1	-	41	
OHIO-----	-	-	2	8	10	10	4	14	-	12.95	12.95	5.18	18.14	-	2,407	2,407	100	154,385	18	8	787,531	
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	33,270	-	10	125,985	
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	33,270	-	10	125,985	
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	6,148	3	1	21,975	
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	19,162	9	2	146,019	
WEST VIRGINIA-----	-	-	-	13	13	13	4	17	-	19.56	19.56	6.02	25.58	-	680	680	192	132,903	31	21	674,220	
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	18,591	2	-	112,976	
TOTAL OR AVERAGE:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BITUMINOUS-----	-	-	2	27	29	29	10	39	-	9.23	9.23	3.18	12.42	-	777	777	616	628,220	92	68	3,406,800	
ALL COAL-----	-	-	2	27	29	29	10	39	-	9.23	9.23	3.18	12.42	-	777	777	616	628,220	92	68	3,406,800	

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	PRODUCTION (SHORT TONS)	
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDI	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT		TEMPO- RARY																	TOTAL NFDL
		TOTAL	PARTIAL																		
CULM BANK:																					
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	17,360	1	-	50,498	
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	176	1	-	1,876	
ILLINOIS	-	-	-	1	1	1	-	1	-	3.22	3.22	-	3.22	-	61	61	29	62,072	3	-	232,863
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	12,754	2	2	37,105	
PENNSYLVANIA:																					
ANTHRACITE	-	-	-	16	16	16	3	19	-	8.27	8.27	1.55	9.82	-	487	487	250	387,092	37	2	892,847
BITUMINOUS	-	-	-	5	5	5	-	5	-	9.86	9.86	-	9.86	-	28	28	102	101,447	13	3	146,035
ALL COAL	-	-	-	21	21	21	3	24	-	8.60	8.60	1.23	9.83	-	391	391	352	488,539	50	5	1,038,882
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2,965	1	-	32,078	
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	870	1	-	11,358	
WEST VIRGINIA	-	-	-	4	4	4	-	4	-	10.20	10.20	-	10.20	-	714	714	49	78,435	8	1	244,179
TOTAL OR AVERAGE:																					
ANTHRACITE	-	-	-	16	16	16	3	19	-	8.27	8.27	1.55	9.82	-	487	487	250	387,092	37	2	892,847
BITUMINOUS	-	-	-	10	10	10	-	10	-	7.24	7.24	-	7.24	-	227	227	203	276,079	30	6	755,992
ALL COAL	-	-	-	26	26	26	3	29	-	7.84	7.84	.90	8.75	-	378	378	453	663,171	67	8	1,648,839
DREDGE:																					
ALABAMA	-	-	-	1	1	1	-	1	-	10.03	10.03	-	10.03	-	20	20	11	19,942	1	-	17,605
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	15,767	1	-	63,661	
KENTUCKY	-	-	-	1	1	1	-	1	-	2.75	2.75	-	2.75	-	50	50	47	72,713	9	-	91,668
PENNSYLVANIA:																					
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3,135	3	-	1,017	
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3,135	3	-	1,017	
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3,135	3	-	1,017	
WEST VIRGINIA	-	-	-	1	1	1	-	1	-	4.26	4.26	-	4.26	-	34	34	27	46,960	6	-	103,896
TOTAL OR AVERAGE:																					
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3,135	3	-	1,017	
BITUMINOUS	-	-	-	3	3	3	-	3	-	3.86	3.86	-	3.86	-	36	36	93	155,382	17	-	276,830
ALL COAL	-	-	-	3	3	3	-	3	-	3.79	3.79	-	3.79	-	35	35	97	158,517	20	-	277,847

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION	PRODUCTION (SHORT TONS)	
	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:	-	-	3	103	106	106	16	122	-	5.75	5.75	.87	6.61	-	250	250	1,975	3,689,112	88	-	11,715,964
ALABAMA-----	-	-	-	8	8	8	1	9	-	8.37	8.37	1.05	9.42	-	99	99	89	191,082	1	-	1,579,909
ALASKA-----	-	-	-	9	9	9	13	22	-	.95	.95	1.37	2.33	-	32	32	885	1,891,052	2	-	11,416,822
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	38,546	8	-	58,124
ARKANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	1,137,044	9	-	8,241,007
COLORADO-----	-	-	2	17	19	19	21	40	-	3.34	3.34	3.69	7.04	-	64	64	632	1,137,044	9	-	8,241,007
ILLINOIS-----	1	-	2	98	100	101	38	139	.05	4.57	4.62	1.74	6.36	274	152	427	2,057	4,374,395	24	-	17,632,828
INDIANA-----	1	-	2	137	139	140	102	242	.03	3.67	3.70	2.69	6.39	158	113	272	3,414	7,576,938	49	-	34,072,310
IOWA-----	-	-	-	5	5	5	-	5	-	6.14	6.14	-	6.14	-	145	145	71	162,795	2	-	380,313
KANSAS-----	-	-	-	6	6	6	3	9	-	3.59	3.59	1.80	5.39	-	242	242	131	334,076	3	-	740,948
KENTUCKY-----	2	-	7	363	370	372	105	477	.02	4.11	4.13	1.17	5.30	133	233	367	8,972	17,993,711	398	28	68,127,596
LOUISIANA-----	-	-	-	3	3	3	3	6	-	3.55	3.55	3.55	7.10	-	7	7	76	168,972	2	-	3,186,190
MARYLAND-----	1	-	-	2	2	3	7	10	.32	.63	.95	2.21	3.16	1,896	13	1,909	288	632,972	24	-	1,350,305
MISSOURI-----	-	-	-	18	18	18	8	26	-	4.16	4.16	1.85	6.00	-	108	108	572	866,403	9	-	2,638,956
MONTANA-----	-	-	-	18	18	18	20	38	-	2.02	2.02	2.25	4.27	-	135	135	901	1,779,801	8	-	37,642,309
NEW MEXICO-----	-	-	2	20	22	22	23	45	-	1.47	1.47	1.54	3.02	-	44	44	1,388	2,983,761	7	-	23,177,200
NORTH DAKOTA-----	2	-	1	20	21	23	28	51	.22	2.27	2.48	3.02	5.50	1,294	34	1,328	946	1,854,044	8	-	29,081,848
OHIO-----	-	-	4	113	117	117	64	181	-	3.61	3.61	1.98	5.59	-	162	162	3,081	6,478,259	163	8	21,671,513
OKLAHOMA-----	-	-	-	29	29	29	19	48	-	7.56	7.56	4.96	12.52	-	171	171	388	766,809	23	-	1,545,566
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	1	92	93	93	17	110	-	10.89	10.89	1.99	12.88	-	666	666	949	1,708,359	117	2	2,754,887
BITUMINOUS-----	1	-	8	173	181	182	80	262	.02	4.04	4.07	1.79	5.85	134	178	312	4,370	8,950,400	375	13	26,314,000
ALL COAL-----	1	-	9	265	274	275	97	372	.02	5.14	5.16	1.82	6.98	113	256	369	5,319	10,658,759	492	15	29,068,887
TENNESSEE-----	-	-	-	14	14	14	4	18	-	4.29	4.29	1.22	5.51	-	215	215	378	653,133	28	1	1,660,353
TEXAS-----	1	-	-	81	81	82	67	149	.03	2.20	2.23	1.82	4.05	163	28	191	3,433	7,362,846	14	-	54,643,002
VIRGINIA-----	-	-	-	40	40	40	12	52	-	3.18	3.18	.95	4.14	-	102	102	1,379	2,513,113	86	2	7,749,079
WASHINGTON-----	-	-	-	26	26	26	17	43	-	4.08	4.08	2.67	6.74	-	141	141	676	1,275,663	2	-	5,000,365
WEST VIRGINIA-----	-	-	1	256	257	257	76	333	-	4.99	4.99	1.48	6.47	-	232	232	5,420	10,298,330	302	22	46,456,139
WYOMING-----	-	-	2	44	46	46	55	101	-	1.28	1.28	1.53	2.81	-	62	62	3,632	7,181,257	30	-	179,291,395
TOTAL OR AVERAGE:	-	-	1	92	93	93	17	110	-	10.89	10.89	1.99	12.88	-	666	666	949	1,708,359	117	2	2,754,887
ANTHRACITE-----	-	-	-	34	1,603	1,637	1,646	782	.02	3.59	3.61	1.72	5.33	118	152	270	45,178	91,154,514	1,665	74	505,374,041
BITUMINOUS-----	9	-	-	1,695	1,730	1,739	799	2,538	.02	3.73	3.75	1.72	5.47	116	161	277	46,127	92,862,873	1,782	76	598,128,928
ALL COAL-----	9	-	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	PRODUCTION (SHORT TONS)
	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																		
TOTAL OR AVERAGE, MINING:	-	-	13	483	496	496	171	667	-	8.62	8.62	2.97	11.59	-	515	515	5,953	11,507,721	102	11	27,882,910
ALABAMA	-	-	-	8	8	8	1	9	-	8.37	8.37	1.05	9.42	-	99	99	89	191,082	1	-	1,579,909
ALASKA	-	-	-	9	9	9	13	22	-	.95	.95	1.37	2.33	-	32	32	885	1,891,052	2	-	11,416,822
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	38,546	8	-	58,124
ARKANSAS	1	-	4	199	203	204	93	297	.05	10.09	10.14	4.62	14.77	298	341	639	2,015	4,022,165	26	16	18,119,941
COLORADO	4	-	17	1,457	1,474	1,478	220	1,698	.04	14.77	14.81	2.20	17.02	241	559	800	9,275	19,957,819	53	28	60,451,847
ILLINOIS	2	-	2	153	155	157	114	271	.05	3.89	3.94	2.86	6.81	301	112	413	3,594	7,960,777	53	4	35,888,635
INDIANA	-	-	-	5	5	5	-	5	-	5.86	5.86	-	5.86	-	138	138	93	170,733	3	1	390,669
IOWA	-	-	-	6	6	6	3	9	-	3.59	3.59	1.80	5.39	-	242	242	131	334,076	3	-	740,948
KANSAS	20	2	56	2,419	2,477	2,497	597	3,094	.07	9.22	9.30	2.22	11.52	447	583	1,029	28,529	53,713,283	1,064	542	171,389,202
KENTUCKY	-	-	-	3	3	3	3	6	-	3.55	3.55	3.55	7.10	-	7	7	76	168,972	2	-	3,186,190
LOUISIANA	2	-	2	77	79	81	17	98	.34	13.45	13.80	2.90	16.69	2,044	331	2,375	535	1,174,306	25	1	3,330,377
MARYLAND	-	-	-	18	18	18	8	26	-	4.16	4.16	1.85	6.00	-	108	108	572	866,403	9	-	2,638,956
MISSOURI	-	-	-	18	18	18	20	38	-	2.02	2.02	2.25	4.27	-	135	135	901	1,779,801	8	-	37,642,309
MONTANA	-	-	2	23	25	25	23	48	-	1.66	1.66	1.53	3.19	-	47	47	1,404	3,011,690	9	1	23,251,043
NEW MEXICO	2	-	1	20	21	23	28	51	.22	2.27	2.48	3.02	5.50	1,294	34	1,328	946	1,854,044	8	-	29,081,848
NORTH DAKOTA	2	-	10	302	312	314	164	478	.03	5.45	5.49	2.87	8.35	210	233	443	5,488	11,447,344	180	21	34,753,275
OHIO	1	-	-	39	39	40	20	60	.24	9.42	9.67	4.83	14.50	1,450	235	1,685	422	827,639	26	1	1,638,092
OKLAHOMA	-	-	2	102	104	104	20	124	-	9.34	9.34	1.80	11.14	-	559	559	1,365	2,226,442	193	66	3,170,405
PENNSYLVANIA:	-	-	35	1,382	1,417	1,420	451	1,871	.02	11.06	11.08	3.52	14.60	140	548	689	12,611	25,631,487	469	92	66,744,125
ANTHRACITE	3	-	37	1,484	1,521	1,524	471	1,995	.02	10.92	10.94	3.38	14.32	129	549	678	13,976	27,857,929	662	158	69,914,530
BITUMINOUS	1	-	4	146	150	151	23	174	.07	9.77	9.83	1.50	11.33	391	704	1,095	1,676	3,070,816	93	51	6,190,187
ALL COAL	3	-	3	81	81	82	67	149	.03	2.20	2.23	1.82	4.05	163	28	191	3,433	7,362,846	14	-	54,643,002
TENNESSEE	1	-	7	165	172	172	79	251	.07	7.91	7.91	3.63	11.55	-	242	242	2,129	4,347,749	24	16	22,046,515
TEXAS	5	-	18	1,008	1,026	1,031	265	1,296	.06	11.50	11.56	2.97	14.53	336	562	898	9,517	17,843,203	346	228	45,976,891
UTAH	-	-	-	26	26	26	17	43	-	4.08	4.08	2.67	6.74	-	141	141	676	1,275,663	2	-	5,000,365
VIRGINIA	9	-	35	2,462	2,497	2,506	504	3,010	.04	9.86	9.90	1.99	11.89	213	425	638	26,684	50,634,810	802	393	169,711,352
WASHINGTON	1	-	2	57	59	60	60	120	.03	1.52	1.55	1.55	3.09	155	68	222	3,881	7,758,948	34	3	181,009,430
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	2	102	104	104	20	124	-	9.34	9.34	1.80	11.14	-	559	559	1,365	2,226,442	193	66	3,170,405
ANTHRACITE	54	2	208	10,566	10,776	10,830	2,961	13,791	.05	9.02	9.07	2.48	11.55	271	437	708	121,539	238,842,975	3,366	1,409	1,014,752,964
BITUMINOUS	54	2	210	10,668	10,880	10,934	2,981	13,915	.04	9.03	9.07	2.47	11.54	269	438	707	122,904	241,069,417	3,559	1,475	1,017,923,369
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDEPENDENT SHOPS:	-	-	-	5	5	5	11	16	-	5.32	5.32	11.71	17.03	-	110	110	111	187,945	2	-	-
ALABAMA	-	-	-	16	16	16	4	20	-	10.93	10.93	2.73	13.66	-	622	622	121	292,800	5	-	-
ILLINOIS	-	-	-	5	5	5	1	6	-	6.02	6.02	1.20	7.22	-	54	54	74	166,147	3	-	-
INDIANA	-	-	-	8	9	10	3	13	.64	5.79	6.43	1.93	8.36	3,857	113	3,970	165	311,149	13	-	-
KENTUCKY	1	-	1	1	1	1	1	2	-	4.30	4.30	4.30	8.60	-	409	409	30	46,494	5	-	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:	-	-	-	3	3	3	3	6	-	7.56	7.56	7.56	15.12	-	559	559	44	79,365	4	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	36,110	6	-	-
BITUMINOUS	-	-	-	3	3	3	3	6	-	5.20	5.20	5.20	10.39	-	384	384	74	115,475	10	-	-
ALL COAL	-	-	-	12	12	12	11	23	-	4.85	4.85	4.44	9.29	-	126	126	262	495,282	17	-	-
VIRGINIA	-	-	1	20	21	21	14	35	-	7.53	7.53	5.02	12.54	-	124	124	276	558,133	27	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	3	3	3	3	6	-	7.56	7.56	7.56	15.12	-	559	559	44	79,365	4	-	-
ANTHRACITE	1	-	2	67	69	70	45	115	10	6.59	6.69	4.30	10.98	573	190	763	1,069	2,094,060	78	-	-
BITUMINOUS	1	-	2	70	72	73	48	121	.09	6.63	6.72	4.42	11.13	552	203	755	1,113	2,173,425	82	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	PRODUCTION (SHORT TONS)	
	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 FATAL AND NFDL																
PROCESSING PLANTS:																					
ALABAMA-----	-	-	1	21	22	22	15	37	-	3.65	3.65	2.49	6.14	-	88	88	559	1,204,649	9	13	-
ALASKA-----	-	-	-	4	4	4	-	4	-	74.50	74.50	-	74.50	-	223	223	5	10,739	-	1	-
ARIZONA-----	-	-	-	2	2	2	-	2	-	6.61	6.61	-	6.61	-	30	30	33	60,502	1	-	-
ARKANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1,959	1	-	-
CALIFORNIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	4,014	1	-	-
COLORADO-----	-	-	-	7	7	7	2	9	-	6.42	6.42	1.83	8.25	-	201	201	104	218,135	5	6	-
ILLINOIS-----	-	-	3	57	60	60	12	72	-	5.59	5.59	1.12	6.71	-	284	284	998	2,145,351	7	29	-
INDIANA-----	-	-	2	17	19	19	11	30	-	3.82	3.82	2.21	6.03	-	812	812	420	995,703	10	17	-
IOWA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1,895	1	-	-
KANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	39,800	-	1	-
KENTUCKY-----	1	-	8	201	209	210	76	286	.03	5.63	5.65	2.05	7.70	162	382	543	3,573	7,428,364	209	37	-
MARYLAND-----	-	-	1	4	5	5	2	7	-	9.18	9.18	3.67	12.85	-	217	217	69	108,967	5	2	-
MISSOURI-----	-	-	-	6	6	6	2	8	-	14.49	14.49	4.83	19.32	-	831	831	45	82,824	-	2	-
MONTANA-----	-	-	-	2	2	2	4	6	-	4.95	4.95	9.90	14.86	-	121	121	51	80,768	-	2	-
NEW MEXICO-----	-	-	1	2	3	3	7	10	-	3.96	3.96	9.24	13.20	-	4,026	4,026	71	151,477	-	4	-
NEW YORK-----	-	-	-	-	-	-	2	2	-	-	-	79.16	79.16	-	-	-	2	5,053	1	-	-
NORTH CAROLINA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	9,641	1	-	-
NORTH DAKOTA-----	-	-	-	-	-	-	1	1	-	-	-	25.93	25.93	-	-	-	4	7,712	-	1	-
OHIO-----	-	-	-	16	16	16	14	30	-	2.12	2.12	1.85	3.97	-	56	56	760	1,512,501	19	27	-
OKLAHOMA-----	-	-	-	1	1	1	-	1	-	19.63	19.63	-	19.63	-	275	275	6	10,188	1	2	-
PENNSYLVANIA:																					
ANTHRACITE-----	2	1	3	80	84	86	15	101	.29	12.11	12.40	2.16	14.56	1,730	1,260	2,990	750	1,387,275	62	9	-
BITUMINOUS-----	-	-	1	81	82	82	43	125	-	5.42	5.42	2.84	8.26	-	219	219	1,554	3,025,044	63	54	-
ALL COAL-----	2	1	4	161	166	168	58	226	.09	7.52	7.62	2.63	10.24	544	546	1,090	2,304	4,412,319	125	63	-
TENNESSEE-----	-	-	-	7	7	7	3	10	-	3.45	3.45	1.48	4.92	-	103	103	206	406,260	23	3	-
TEXAS-----	-	-	-	4	4	4	1	5	-	99.99	99.99	27.98	99.99	-	11,865	11,865	3	7,147	-	1	-
UTAH-----	-	-	-	6	6	6	4	10	-	4.72	4.72	3.15	7.86	-	106	106	142	254,313	6	7	-
VIRGINIA-----	-	-	1	104	105	105	49	154	-	6.11	6.11	2.85	8.97	-	195	195	1,657	3,435,060	73	7	-
WASHINGTON-----	-	-	-	-	-	-	3	3	-	-	-	4.93	4.93	-	-	-	66	121,714	-	2	-
WEST VIRGINIA-----	1	-	8	216	224	225	64	289	.03	5.82	5.85	1.66	7.51	156	223	379	3,598	7,693,847	152	32	-
WYOMING-----	-	-	-	3	3	3	6	9	-	.97	.97	1.94	2.91	-	36	36	295	619,107	1	10	-
TOTAL OR AVERAGE:																					
ANTHRACITE-----	2	1	3	80	84	86	15	101	.29	12.11	12.40	2.16	14.56	1,730	1,260	2,990	750	1,387,275	62	9	-
BITUMINOUS-----	2	-	26	761	787	789	321	1,110	.01	5.31	5.32	2.17	7.49	81	284	365	14,258	29,642,734	589	260	-
ALL COAL-----	4	1	29	841	871	875	336	1,211	.03	5.61	5.64	2.17	7.81	155	328	483	15,008	31,030,009	651	269	-

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	PRODUCTION (SHORT TONS)	
	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																		
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	14	509	523	523	197	720	-	8.11	8.11	3.05	11.16	-	470	470	6,623	12,900,315	113	24	27,882,910
ALABAMA	-	-	-	12	12	12	1	13	-	11.89	11.89	.99	12.88	-	106	106	94	201,821	1	1	1,579,909
ALASKA	-	-	-	11	11	11	13	24	-	1.13	1.13	1.33	2.46	-	32	32	918	1,951,554	3	-	11,416,822
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	40,505	9	-	58,124
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	4,014	1	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	1	-	4	206	210	211	95	306	.05	9.90	9.95	4.48	14.43	283	333	616	2,119	4,240,300	31	22	18,119,941
ILLINOIS	4	-	20	1,530	1,550	1,554	236	1,790	.04	13.84	13.88	2.11	15.99	214	534	748	10,394	22,395,970	65	57	60,451,847
INDIANA	2	-	4	175	179	181	126	307	.04	3.92	3.97	2.76	6.73	263	187	450	4,088	9,122,627	66	21	35,888,635
IOWA	-	-	-	5	5	5	-	5	-	5.79	5.79	-	5.79	-	137	137	95	172,628	4	1	380,669
KANSAS	-	-	-	6	6	6	3	9	-	3.21	3.21	1.60	4.81	-	217	217	148	373,876	3	1	740,948
KENTUCKY	22	2	65	2,628	2,695	2,717	676	3,393	.07	8.77	8.84	2.20	11.04	430	556	986	32,267	61,452,796	1,286	579	171,389,202
LOUISIANA	-	-	-	3	3	3	3	6	-	3.55	3.55	3.55	7.10	-	7	7	76	168,972	2	-	3,186,190
MARYLAND	2	-	3	81	84	86	19	105	.31	13.09	13.40	2.96	16.36	1,870	321	2,191	604	1,283,273	30	3	3,330,377
MISSOURI	-	-	-	24	24	24	10	34	-	5.06	5.06	2.11	7.16	-	171	171	617	949,227	9	2	2,638,956
MONTANA	-	-	-	20	20	20	24	44	-	2.15	2.15	2.58	4.73	-	134	134	952	1,860,569	8	2	37,642,309
NEW MEXICO	-	-	3	25	28	28	30	58	-	1.77	1.77	1.90	3.67	-	238	238	1,475	3,163,167	9	5	23,251,043
NEW YORK	-	-	-	-	-	-	2	2	-	-	-	79.16	79.16	-	-	-	2	5,053	1	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	9,641	1	-	-
NORTH DAKOTA	2	-	1	20	21	23	29	52	.21	2.26	2.47	3.12	5.59	1,289	34	1,323	950	1,861,756	8	1	29,081,848
OHIO	2	-	10	319	329	331	179	510	.03	5.06	5.09	2.75	7.84	185	213	398	6,278	13,006,339	204	48	34,753,275
OKLAHOMA	1	-	-	40	40	41	20	61	.24	9.55	9.79	4.77	14.56	1,432	235	1,667	428	837,827	27	3	1,638,092
PENNSYLVANIA:																					
ANTHRACITE	2	1	5	185	191	193	38	231	.11	10.34	10.45	2.06	12.51	650	823	1,472	2,159	3,693,082	259	75	3,170,405
BITUMINOUS	3	-	36	1,463	1,499	1,502	494	1,906	.02	10.45	10.47	3.44	13.91	125	513	638	14,195	28,692,641	538	146	66,744,125
ALL COAL	5	1	41	1,648	1,690	1,695	532	2,227	.03	10.44	10.47	3.29	13.75	185	548	734	16,354	32,385,723	797	221	69,914,530
TENNESSEE	1	-	4	153	157	158	26	184	.06	9.03	9.09	1.50	10.58	345	634	979	1,882	3,477,076	116	54	6,190,187
TEXAS	1	-	-	85	85	86	68	154	.03	2.31	2.33	1.85	4.18	163	39	202	3,436	7,369,993	14	1	54,643,002
UTAH	-	-	7	171	178	178	83	261	-	7.74	7.74	3.61	11.34	-	235	235	2,271	4,602,062	30	23	22,046,515
VIRGINIA	5	-	19	1,124	1,143	1,148	325	1,473	.05	10.50	10.54	2.99	13.53	276	494	770	11,436	21,773,545	436	235	45,976,891
WASHINGTON	-	-	-	26	26	26	20	46	-	3.72	3.72	2.86	6.58	-	129	129	742	1,397,377	2	2	5,000,365
WEST VIRGINIA	10	-	44	2,698	2,742	2,752	582	3,334	.03	9.31	9.35	1.98	11.32	204	396	599	30,558	58,886,790	981	425	169,711,352
WYOMING	1	-	2	60	62	63	66	129	.02	1.48	1.50	1.58	3.08	143	65	209	4,176	8,378,055	35	13	181,009,430
TOTAL OR AVERAGE:																					
ANTHRACITE	2	1	5	185	191	193	38	231	.11	10.34	10.45	2.06	12.51	650	823	1,472	2,159	3,693,082	259	75	3,170,405
BITUMINOUS	57	2	236	11,394	11,632	11,689	3,327	15,016	.04	8.60	8.64	2.46	11.10	253	418	671	136,866	270,579,769	4,033	1,669	1,014,752,964
ALL COAL	59	3	241	11,579	11,823	11,882	3,365	15,247	.04	8.62	8.66	2.45	11.12	258	424	682	139,025	274,272,851	4,292	1,744	1,017,923,369

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	PRODUCTION (SHORT TONS)	
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI	NDI	ALL INJU- RIES	FATAL	NFDI	ALL FATAL AND NFDI						
		PERMANENT		TEMPO- RARY																	TOTAL NFDI
		TOTAL	PARTIAL																		
OFFICE:	-	-	-	1	1	1	1	2	-	.28	.28	.28	.55	-	(*)	(*)	339	727,016	-	54	-
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	29,949	-	1	-
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	20,242	-	3	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2,400	-	1	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	6,329	-	1	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	311	611,926	1	25	-
COLORADO	-	-	-	4	4	4	2	6	.97	.97	.98	1.45	-	10	10	10	396	825,040	2	52	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	181	322,808	-	43	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	16,473	-	2	-
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	17,044	-	2	-
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,673	2,865,052	6	468	-
KENTUCKY	-	-	-	4	4	4	-	4	.28	.28	-	.28	-	1	1	1	35	75,002	-	2	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	109,776	-	12	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	44,328	-	6	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	129	248,281	-	7	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	256	546,741	2	7	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2,800	-	1	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,927	-	1	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	112,077	-	8	-
NORTH DAKOTA	-	-	-	1	1	1	1	2	.23	.23	.23	.47	-	1	1	1	462	859,881	1	94	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	62,730	-	15	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126	204,525	3	50	-
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	676	1,236,647	3	188	-
ANTHRACITE	-	-	-	-	-	-	1	1	-	-	-	.16	.16	-	-	-	802	1,441,172	6	238	-
BITUMINOUS	-	-	-	-	-	-	1	1	-	-	-	.14	.14	-	-	-	57	101,074	1	30	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	208	413,853	-	12	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	201	365,273	-	22	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	234	378,991	2	80	-
UTAH	-	-	-	1	1	1	2	3	.55	.55	1.10	1.64	-	1	1	1	70	129,639	-	2	-
VIRGINIA	-	-	-	-	-	-	1	1	-	-	.53	.53	-	-	-	-	1,383	2,251,315	7	336	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	487	958,798	-	29	-
WEST VIRGINIA	-	-	-	5	5	5	3	8	.44	.44	.27	.71	-	13	13	13	-	-	-	-	-
WYOMING	-	-	-	1	1	1	-	1	.21	.21	-	.21	-	-	(*)	(*)	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126	204,525	3	50	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,354	13,343,412	25	1,509	-
BITUMINOUS	-	-	-	17	17	17	11	28	.25	.25	.16	.42	-	3	3	3	7,480	13,547,937	28	1,559	-
ALL COAL	-	-	-	17	17	17	11	28	.25	.25	.16	.41	-	3	3	3	-	-	-	-	-

TABLE 6. INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES								INCIDENT RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION	PRODUCTION (SHORT TONS)	
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI	NDI	ALL INJU- RIES	FATAL	NFDI	ALL FATAL AND NFDI							
		PERMANENT		TEMPO- RARY												TOTAL NFDI						
		TOTAL	PARTIAL																			
GRAND TOTAL OR AVERAGE:	-	-	14	510	524	524	198	722	-	7.69	7.69	2.91	10.60	-	445	445	6.962	13,627,331	113	78	27,882,910	
ALABAMA	-	-	-	12	12	12	1	13	-	10.36	10.36	.86	11.22	-	92	92	107	231,776	1	2	1,579,909	
ALASKA	-	-	-	11	11	11	13	24	-	1.12	1.12	1.32	2.43	-	32	32	933	1,971,796	3	3	11,416,822	
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	42,905	9	1	58,124	
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	10,343	1	1	-	
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	247	2,430	539	32	47	18,119,941
COLORADO	1	-	4	206	210	211	95	306	.04	8.66	8.70	3.92	12.61	247	291	539	2,430	4,852,226	32	47	60,451,847	
ILLINOIS	4	-	20	1,534	1,554	1,558	238	1,796	.03	13.38	13.42	2.05	15.47	207	515	722	10,790	23,221,010	67	109	35,888,635	
INDIANA	2	-	4	175	179	181	126	307	.04	3.79	3.83	2.67	6.50	254	181	435	4,272	9,445,435	66	64	380,669	
IOWA	-	-	-	5	5	5	5	5	-	5.29	5.29	5.29	5.29	-	125	125	104	189,101	4	3	740,948	
KANSAS	-	-	-	6	6	6	3	9	-	3.07	3.07	1.53	4.60	-	207	207	156	390,920	3	3	171,389,202	
KENTUCKY	22	2	65	2,632	2,699	2,721	676	3,397	.07	8.39	8.46	2.10	10.56	410	531	942	33,940	64,317,848	1,292	1,047	3,186,190	
LOUISIANA	-	-	-	3	3	3	3	6	-	2.46	2.46	2.46	4.92	-	5	5	111	243,974	2	2	3,330,377	
MARYLAND	2	-	3	81	84	86	19	105	.29	12.06	12.35	2.73	15.07	1,723	296	2,019	663	1,393,049	30	15	2,638,956	
MISSOURI	-	-	-	24	24	24	10	34	-	4.83	4.83	2.01	6.84	-	163	163	643	993,555	9	8	37,642,305	
MONTANA	-	-	-	20	20	20	24	44	-	1.90	1.90	2.28	4.17	-	118	118	1,081	2,108,850	8	9	23,251,043	
NEW MEXICO	-	-	3	25	28	30	30	58	-	1.51	1.51	1.62	3.13	-	203	203	1,731	3,709,908	11	12	-	
NEW YORK	-	-	-	-	-	-	2	2	-	-	-	50.94	50.94	-	-	-	3	7,853	1	1	-	
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	11,568	1	1	-	
NORTH DAKOTA	2	-	1	20	21	23	29	52	.20	2.13	2.33	2.94	5.27	1,216	32	1,248	1,015	1,973,833	8	9	29,081,848	
OHIO	2	-	10	320	330	332	180	512	.03	4.76	4.79	2.60	7.38	173	200	373	6,740	13,866,220	205	147	34,753,275	
OKLAHOMA	1	-	-	40	40	41	20	61	.22	8.88	9.11	4.44	13.55	1,333	219	1,551	470	900,557	27	18	1,638,092	
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANTHRACITE	2	1	5	185	191	193	38	231	.10	9.80	9.90	1.95	11.85	616	779	1,395	2,285	3,897,607	262	125	3,170,405	
BITUMINOUS	3	-	36	1,463	1,499	1,502	495	1,997	.02	10.02	10.04	3.31	13.34	120	492	612	14,871	29,920,288	541	334	66,744,125	
ALL COAL	5	1	41	1,648	1,690	1,695	533	2,228	.03	9.99	10.02	3.15	13.17	177	525	702	17,156	33,826,895	803	459	69,914,530	
TENNESSEE	1	-	4	153	157	158	26	184	.06	8.78	8.83	1.45	10.28	335	616	951	1,939	3,578,150	117	84	6,190,187	
TEXAS	1	-	-	85	85	86	68	154	.03	2.18	2.21	1.75	3.96	154	37	191	3,644	7,783,846	14	13	54,643,002	
UTAH	-	-	7	172	179	179	85	264	-	7.21	7.21	3.42	10.63	-	218	218	2,472	4,967,335	30	45	22,046,515	
VIRGINIA	5	-	19	1,124	1,143	1,148	336	1,474	.05	10.32	10.36	2.94	13.31	271	486	757	11,670	22,152,536	438	315	45,976,891	
WASHINGTON	-	-	-	26	26	26	20	46	-	3.41	3.41	2.62	6.02	-	118	118	812	1,527,016	2	4	5,000,365	
WEST VIRGINIA	10	-	44	2,703	2,747	2,757	585	3,342	.03	8.99	9.02	1.91	10.93	196	382	578	31,941	61,138,105	988	761	169,711,352	
WYOMING	1	-	2	61	63	64	66	130	.02	1.35	1.37	1.41	2.78	129	59	187	4,663	9,336,853	35	42	181,009,430	
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANTHRACITE	2	1	5	185	191	193	38	231	.10	9.80	9.90	1.95	11.85	616	779	1,395	2,285	3,897,607	262	125	3,170,405	
BITUMINOUS	57	2	236	11,411	11,649	11,703	3,338	15,044	.04	8.21	8.25	2.35	10.60	241	399	640	144,220	283,923,181	4,058	3,178	1,014,752,964	
ALL COAL	59	3	241	11,596	11,840	11,899	3,376	15,275	.04	8.23	8.27	2.35	10.61	246	404	650	146,505	287,820,788	4,320	3,303	1,017,923,369	

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, 1990

WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND:																	
ALABAMA-----	-	-	10	360	370	370	139	509	-	-	9,800	14,377	24,177	24,177	980	40	65
COLORADO-----	1	-	1	173	174	175	63	238	6,000	-	50	4,983	5,033	11,033	50	29	63
ILLINOIS-----	3	-	14	1,276	1,290	1,293	165	1,458	18,000	-	4,305	44,812	49,117	67,117	308	35	52
INDIANA-----	1	-	-	13	13	14	9	23	6,000	-	-	143	143	6,143	-	11	439
KENTUCKY-----	17	2	43	1,912	1,957	1,974	441	2,415	102,000	12,000	34,450	79,975	126,425	228,425	801	42	116
MARYLAND-----	1	-	2	71	73	74	5	79	6,000	-	100	1,641	1,741	7,741	50	23	105
NEW MEXICO-----	-	-	-	2	2	2	-	2	-	-	-	47	47	47	-	24	24
OHIO-----	2	-	5	177	182	184	94	278	12,000	-	300	7,261	7,561	19,561	60	41	106
OKLAHOMA-----	1	-	-	10	10	11	-	11	6,000	-	-	316	316	6,316	-	32	574
PENNSYLVANIA:																	
ANTHRACITE-----	-	-	1	8	9	9	2	11	-	-	50	478	528	528	50	60	59
BITUMINOUS-----	2	-	25	1,155	1,180	1,182	337	1,519	12,000	-	4,700	55,465	60,165	72,165	188	48	61
ALL COAL-----	2	-	26	1,163	1,189	1,191	339	1,530	12,000	-	4,750	55,943	60,693	72,693	183	48	61
TENNESSEE-----	1	-	4	117	121	122	16	138	6,000	-	5,600	4,251	9,851	15,851	1,400	36	130
UTAH-----	-	-	7	143	150	150	68	218	-	-	350	3,996	4,346	4,346	50	28	29
VIRGINIA-----	4	-	16	899	915	919	224	1,143	24,000	-	10,875	35,691	46,566	70,566	680	40	77
WEST VIRGINIA-----	9	-	30	2,068	2,098	2,107	374	2,481	54,000	-	12,010	78,198	90,208	144,208	400	38	68
WYOMING-----	1	-	-	9	9	10	5	15	6,000	-	-	379	379	6,379	-	42	638
TOTAL OR AVERAGE:																	
ANTHRACITE-----	-	-	1	8	9	9	2	11	-	-	50	478	528	528	50	60	59
BITUMINOUS-----	43	2	157	8,385	8,544	8,587	1,940	10,527	258,000	12,000	82,540	331,535	426,075	684,075	526	40	80
ALL COAL-----	43	2	158	8,393	8,553	8,596	1,942	10,538	258,000	12,000	82,590	332,013	426,603	684,603	523	40	80
SURFACE AT UNDERGROUND:																	
ALABAMA-----	-	-	-	20	20	20	16	36	-	-	-	859	859	859	-	43	43
COLORADO-----	-	-	1	9	10	10	9	19	-	-	1,200	253	1,453	1,453	1,200	28	145
ILLINOIS-----	-	-	1	83	84	84	17	101	-	-	75	3,291	3,366	3,366	75	40	40
INDIANA-----	-	-	-	3	3	3	3	6	-	-	-	27	27	27	-	9	9
KENTUCKY-----	1	-	6	144	150	151	51	202	6,000	-	3,300	5,746	9,046	15,046	550	40	100
MARYLAND-----	-	-	-	4	4	4	5	9	-	-	-	160	160	160	-	40	40
NEW MEXICO-----	-	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
OHIO-----	-	-	1	12	13	13	6	19	-	-	50	504	554	554	50	42	43
OKLAHOMA-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:																	
ANTHRACITE-----	-	-	-	2	2	2	1	3	-	-	-	8	8	8	-	4	4
BITUMINOUS-----	-	-	2	54	56	56	34	90	-	-	160	1,995	2,155	2,155	80	37	38
ALL COAL-----	-	-	2	56	58	58	35	93	-	-	160	2,003	2,163	2,163	80	36	37
TENNESSEE-----	-	-	-	15	15	15	3	18	-	-	-	259	259	259	-	17	17
UTAH-----	-	-	-	22	22	22	11	33	-	-	-	923	923	923	-	42	42
VIRGINIA-----	1	-	2	69	71	72	29	101	6,000	-	150	2,139	2,289	8,289	75	31	115
WEST VIRGINIA-----	-	-	4	138	142	142	54	196	-	-	550	4,886	5,436	5,436	138	35	38
WYOMING-----	-	-	-	4	4	4	-	4	-	-	-	37	37	37	-	9	9
TOTAL OR AVERAGE:																	
ANTHRACITE-----	-	-	-	2	2	2	1	3	-	-	-	8	8	8	-	4	4
BITUMINOUS-----	2	-	17	578	595	597	239	836	12,000	-	5,485	21,084	26,569	38,569	323	36	65
ALL COAL-----	2	-	17	580	597	599	240	839	12,000	-	5,485	21,092	26,577	38,577	323	36	64

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, UG:	-	-	10	380	390	390	155	545	-	-	9,800	15,236	25,036	25,036	980	40	64
ALABAMA-----	1	-	2	182	184	185	72	257	6,000	-	1,250	5,236	6,486	12,486	625	29	67
COLORADO-----	3	-	15	1,359	1,374	1,377	182	1,559	18,000	-	4,380	48,103	52,483	70,483	292	35	51
ILLINOIS-----	1	-	-	16	16	17	12	29	6,000	-	-	170	6,170	-	11	363	
INDIANA-----	18	2	49	2,056	2,107	2,125	492	2,617	108,000	12,000	37,750	85,721	135,471	243,471	770	42	115
KENTUCKY-----	1	-	2	75	77	78	10	88	6,000	-	100	1,801	7,901	50	24	101	
MARYLAND-----	-	-	-	3	3	3	-	3	-	-	-	52	52	-	17	17	
NEW MEXICO-----	2	-	6	189	195	197	100	297	12,000	-	350	7,765	8,115	20,115	58	41	102
OHIO-----	1	-	-	10	10	11	1	12	6,000	-	-	316	6,316	-	32	574	
OKLAHOMA-----	-	-	1	10	11	11	3	14	-	-	50	486	536	536	50	49	49
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	2	-	27	1,209	1,236	1,238	371	1,609	12,000	-	4,860	57,460	62,320	74,320	180	48	60
BITUMINOUS-----	2	-	28	1,219	1,247	1,249	374	1,623	12,000	-	4,910	57,946	62,856	74,856	175	48	60
ALL COAL-----	1	-	4	132	136	137	19	156	6,000	-	5,600	4,510	10,110	16,110	1,400	34	118
TENNESSEE-----	-	-	7	165	172	172	79	251	-	-	350	4,919	5,269	5,269	50	30	31
UTAH-----	5	-	18	968	986	991	253	1,244	30,000	-	11,025	37,830	48,855	78,855	612	39	80
VIRGINIA-----	9	-	34	2,206	2,240	2,249	428	2,677	54,000	-	12,560	83,084	95,644	149,644	369	38	67
WEST VIRGINIA-----	1	-	-	13	13	14	5	19	6,000	-	-	416	416	6,416	-	32	458
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	1	10	11	11	3	14	-	-	50	486	536	536	50	49	49
ANTHRACITE-----	45	2	174	8,963	9,139	9,184	2,179	11,363	270,000	12,000	88,025	352,619	452,644	722,644	506	39	79
BITUMINOUS-----	45	2	175	8,973	9,150	9,195	2,182	11,377	270,000	12,000	88,075	353,105	453,180	723,180	503	39	79
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SURFACE MINES:																	
STRIP:																	
ALABAMA-----	-	-	3	102	105	105	16	121	-	-	3,150	1,462	4,612	4,612	1,050	14	44
ALASKA-----	-	-	-	8	8	8	1	9	-	-	-	95	95	95	-	12	12
ARIZONA-----	-	-	-	9	9	9	13	22	-	-	-	303	303	303	-	34	34
COLORADO-----	-	-	2	17	19	19	21	40	-	-	100	263	363	363	50	15	19
ILLINOIS-----	1	-	2	97	99	100	38	138	6,000	-	100	3,210	3,310	9,310	50	33	93
INDIANA-----	1	-	2	137	139	140	102	242	6,000	-	700	3,586	4,286	10,286	350	26	73
IOWA-----	-	-	-	5	5	5	-	5	-	-	-	118	118	118	-	24	24
KANSAS-----	-	-	-	6	6	6	3	9	-	-	-	405	405	405	-	68	68
KENTUCKY-----	2	-	7	356	363	365	103	468	12,000	-	7,760	13,078	20,838	32,838	1,109	37	90
LOUISIANA-----	-	-	-	3	3	3	3	6	-	-	-	6	6	6	-	2	2
MARYLAND-----	1	-	-	2	2	3	7	10	6,000	-	-	42	42	6,042	-	21	2,014
MISSOURI-----	-	-	-	18	18	18	8	26	-	-	-	468	468	468	-	26	26
MONTANA-----	-	-	-	18	18	18	20	38	-	-	-	1,197	1,197	1,197	-	66	66
NEW MEXICO-----	-	-	2	20	22	22	23	45	-	-	100	558	658	658	50	28	30
NORTH DAKOTA-----	2	-	1	20	21	23	28	51	12,000	-	50	265	315	12,315	50	13	535
OHIO-----	-	-	2	105	107	107	60	167	-	-	100	3,287	3,387	3,387	50	31	32
OKLAHOMA-----	-	-	-	29	29	29	19	48	-	-	-	655	655	655	-	23	23
PENNSYLVANIA:																	
ANTHRACITE-----	-	-	1	76	77	77	14	91	-	-	50	4,700	4,750	4,750	50	62	62
BITUMINOUS-----	1	-	8	168	176	177	80	257	6,000	-	495	7,450	7,945	13,945	62	44	79
ALL COAL-----	1	-	9	244	253	254	94	348	6,000	-	545	12,150	12,695	18,695	61	50	74
TENNESSEE-----	-	-	-	14	14	14	4	18	-	-	-	702	702	702	-	50	50
TEXAS-----	1	-	-	81	81	82	67	149	6,000	-	-	1,026	1,026	7,026	-	13	86
VIRGINIA-----	-	-	-	40	40	40	12	52	-	-	-	1,284	1,284	1,284	-	32	32
WASHINGTON-----	-	-	-	26	26	26	17	43	-	-	-	900	900	900	-	35	35
WEST VIRGINIA-----	-	-	1	238	239	239	72	311	-	-	3,000	8,194	11,194	11,194	3,000	34	47
WYOMING-----	-	-	2	44	46	46	55	101	-	-	120	2,091	2,211	2,211	60	48	48
TOTAL OR AVERAGE:																	
ANTHRACITE-----	-	-	1	76	77	77	14	91	-	-	50	4,700	4,750	4,750	50	62	62
BITUMINOUS-----	9	-	32	1,563	1,595	1,604	772	2,376	54,000	-	15,675	50,645	66,320	120,320	490	32	75
ALL COAL-----	9	-	33	1,639	1,672	1,681	786	2,467	54,000	-	15,725	55,345	71,070	125,070	477	34	74
AUGER:																	
KENTUCKY-----	-	-	-	6	6	6	2	8	-	-	-	131	131	131	-	22	22
OHIO-----	-	-	2	8	10	10	4	14	-	-	1,260	598	1,858	1,858	630	75	186
WEST VIRGINIA-----	-	-	-	13	13	13	4	17	-	-	-	452	452	452	-	35	35
TOTAL OR AVERAGE:																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	2,441	630	44	84
ALL COAL-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	2,441	630	44	84

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
CULM BANK:	-	-	-	1	1	1	-	1	-	-	-	19	19	19	-	19	19
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:	-	-	-	16	16	16	3	19	-	-	-	942	942	942	-	59	59
ANTHRACITE	-	-	-	5	5	5	-	5	-	-	-	14	14	14	-	3	3
BITUMINOUS	-	-	-	21	21	21	3	24	-	-	-	956	956	956	-	46	46
ALL COAL	-	-	-	4	4	4	-	4	-	-	-	280	280	280	-	70	70
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	16	16	16	3	19	-	-	-	942	942	942	-	59	59
ANTHRACITE	-	-	-	10	10	10	-	10	-	-	-	313	313	313	-	31	31
BITUMINOUS	-	-	-	26	26	26	3	29	-	-	-	1,255	1,255	1,255	-	48	48
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DREDGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALABAMA	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
KENTUCKY	-	-	-	1	1	1	-	1	-	-	-	18	18	18	-	18	18
WEST VIRGINIA	-	-	-	1	1	1	-	1	-	-	-	8	8	8	-	8	8
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9
ALL COAL	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9
TOTAL OR AVERAGE, SURFACE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALABAMA	-	-	3	103	106	106	16	122	-	-	3,150	1,464	4,614	4,614	1,050	14	44
ALASKA	-	-	-	8	8	8	1	9	-	-	-	95	95	95	-	12	12
ARIZONA	-	-	-	9	9	9	13	22	-	-	-	303	303	303	-	34	34
COLORADO	-	-	2	17	19	19	21	40	-	-	100	263	363	363	50	15	19
ILLINOIS	1	-	2	98	100	101	38	139	6,000	-	100	3,229	3,329	9,329	50	33	92
INDIANA	1	-	2	137	139	140	102	242	6,000	-	700	3,586	4,286	10,286	350	26	73
IOWA	-	-	-	5	5	5	-	5	-	-	-	118	118	118	-	24	24
KANSAS	-	-	-	6	6	6	3	9	-	-	-	405	405	405	-	68	58
KENTUCKY	2	-	7	363	370	372	105	477	12,000	-	7,760	13,227	20,987	32,987	1,109	36	89
LOUISIANA	-	-	-	3	3	3	3	6	-	-	-	6	6	6	-	2	2
MARYLAND	1	-	-	2	2	3	7	10	6,000	-	-	42	42	6,042	-	21	2,014
MISSOURI	-	-	-	18	18	18	8	26	-	-	-	468	468	468	-	26	26
MONTANA	-	-	-	18	18	18	20	38	-	-	-	1,197	1,197	1,197	-	66	66
NEW MEXICO	-	-	2	20	22	22	23	45	-	-	100	558	658	658	50	28	30
NORTH DAKOTA	2	-	1	20	21	23	28	51	12,000	-	50	265	315	12,315	50	13	535
OHIO	-	-	4	113	117	117	64	181	-	-	1,360	3,885	5,245	5,245	340	34	45
OKLAHOMA	-	-	-	29	29	29	19	48	-	-	-	655	655	655	-	23	23
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	1	92	93	93	17	110	-	-	50	5,642	5,692	5,692	50	61	61
BITUMINOUS	1	-	8	173	181	182	80	262	6,000	-	495	7,464	7,959	13,959	62	43	77
ALL COAL	1	-	9	265	274	275	97	372	6,000	-	545	13,106	13,651	19,651	61	49	71
TENNESSEE	-	-	-	14	14	14	4	18	-	-	-	702	702	702	-	50	50
TEXAS	1	-	-	81	81	82	67	149	6,000	-	-	1,026	1,026	7,026	-	13	86
VIRGINIA	-	-	-	40	40	40	12	52	-	-	-	1,284	1,284	1,284	-	32	32
WASHINGTON	-	-	-	26	26	26	17	43	-	-	-	900	900	900	-	35	35
WEST VIRGINIA	-	-	1	256	257	257	76	333	-	-	3,000	8,934	11,934	11,934	3,000	35	46
WYOMING	-	-	2	44	46	46	55	101	-	-	120	2,091	2,211	2,211	60	48	48
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	1	92	93	93	17	110	-	-	50	5,642	5,692	5,692	50	61	61
BITUMINOUS	9	-	34	1,603	1,637	1,646	782	2,428	54,000	-	16,935	52,167	69,102	123,102	498	33	75
ALL COAL	9	-	35	1,695	1,730	1,739	799	2,538	54,000	-	16,985	57,809	74,794	128,794	485	34	74

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, MINING:																	
ALABAMA-----	-	-	13	483	496	496	171	667	-	-	12,950	16,700	29,650	29,650	996	35	60
ALASKA-----	-	-	-	8	8	8	1	9	-	-	-	95	95	95	-	12	12
ARIZONA-----	-	-	-	9	9	9	13	22	-	-	-	303	303	303	-	34	34
COLORADO-----	1	-	4	199	203	204	93	297	6,000	-	1,350	5,499	6,849	12,849	338	28	63
ILLINOIS-----	4	-	17	1,457	1,474	1,478	220	1,698	24,000	-	4,480	51,332	55,812	79,812	264	35	54
INDIANA-----	2	-	2	153	155	157	114	271	12,000	-	700	3,756	4,456	16,456	350	25	105
IOWA-----	-	-	-	5	5	5	-	5	-	-	-	118	118	118	-	24	24
KANSAS-----	-	-	-	6	6	6	3	9	-	-	-	405	405	405	-	68	68
KENTUCKY-----	20	2	56	2,419	2,477	2,497	597	3,094	120,000	12,000	45,510	98,948	156,458	276,458	813	41	111
LOUISIANA-----	-	-	-	3	3	3	3	6	-	-	-	6	6	6	-	2	2
MARYLAND-----	2	-	2	77	79	81	17	98	12,000	-	100	1,843	1,943	13,943	50	24	172
MISSOURI-----	-	-	-	18	18	18	8	26	-	-	-	468	468	468	-	26	26
MONTANA-----	-	-	-	18	18	18	20	38	-	-	-	1,197	1,197	1,197	-	66	66
NEW MEXICO-----	-	-	2	23	25	25	23	48	-	-	100	610	710	710	50	27	28
NORTH DAKOTA-----	2	-	1	20	21	23	28	51	12,000	-	50	265	315	12,315	50	13	535
OHIO-----	2	-	10	302	312	314	164	478	12,000	-	1,710	11,650	13,360	25,360	171	39	81
OKLAHOMA-----	1	-	-	39	39	40	20	60	6,000	-	-	971	971	6,971	-	25	174
PENNSYLVANIA:																	
ANTHRACITE-----	-	-	2	102	104	104	20	124	-	-	100	6,128	6,228	6,228	50	60	60
BITUMINOUS-----	3	-	35	1,382	1,417	1,420	451	1,871	18,000	-	5,355	64,924	70,279	88,279	153	47	62
ALL COAL-----	3	-	37	1,484	1,521	1,524	471	1,995	18,000	-	5,455	71,052	76,507	94,507	147	48	62
TENNESSEE-----	1	-	4	146	150	151	23	174	6,000	-	5,600	5,212	10,812	16,812	1,400	36	111
TEXAS-----	1	-	-	81	81	82	67	149	6,000	-	-	1,026	1,026	7,026	-	13	86
UTAH-----	-	-	7	165	172	172	79	251	-	-	350	4,919	5,269	5,269	50	30	31
VIRGINIA-----	5	-	18	1,008	1,026	1,031	265	1,296	30,000	-	11,025	39,114	50,139	80,139	612	39	78
WASHINGTON-----	-	-	-	26	26	26	17	43	-	-	-	900	900	900	-	35	35
WEST VIRGINIA-----	9	-	35	2,462	2,497	2,506	504	3,010	54,000	-	15,560	92,018	107,578	161,578	445	37	64
WYOMING-----	1	-	2	57	59	60	60	120	6,000	-	120	2,507	2,627	8,627	60	44	144
TOTAL OR AVERAGE:																	
ANTHRACITE-----	-	-	2	102	104	104	20	124	-	-	100	6,128	6,228	6,228	50	60	60
BITUMINOUS-----	54	2	208	10,566	10,776	10,830	2,961	13,791	324,000	12,000	104,960	404,786	521,746	845,746	505	38	78
ALL COAL-----	54	2	210	10,668	10,880	10,934	2,981	13,915	324,000	12,000	105,060	410,914	527,974	851,974	500	39	78
INDEPENDENT SHOPS:																	
ALABAMA-----	-	-	-	5	5	5	11	16	-	-	-	103	103	103	-	21	21
ILLINOIS-----	-	-	-	16	16	16	4	20	-	-	-	910	910	910	-	57	57
INDIANA-----	-	-	-	5	5	5	1	6	-	-	-	45	45	45	-	9	9
KENTUCKY-----	1	-	1	8	9	10	3	13	6,000	-	50	126	176	6,176	50	16	618
OHIO-----	-	-	-	1	1	1	1	2	-	-	-	95	95	95	-	95	95
PENNSYLVANIA:																	
ANTHRACITE-----	-	-	-	3	3	3	3	6	-	-	-	222	222	222	-	74	74
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL-----	-	-	-	3	3	3	3	6	-	-	-	222	222	222	-	74	74
VIRGINIA-----	-	-	-	12	12	12	11	23	-	-	-	312	312	312	-	26	26
WEST VIRGINIA-----	-	-	1	20	21	21	14	35	-	-	50	295	345	345	50	15	16
TOTAL OR AVERAGE:																	
ANTHRACITE-----	-	-	-	3	3	3	3	6	-	-	-	222	222	222	-	74	74
BITUMINOUS-----	1	-	2	67	69	70	45	115	6,000	-	100	1,886	1,986	7,986	50	28	114
ALL COAL-----	1	-	2	70	72	73	48	121	6,000	-	100	2,108	2,208	8,208	50	30	112

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
PROCESSING PLANTS:																	
ALABAMA-----	-	-	1	21	22	22	15	37	-	-	50	483	533	533	50	23	24
ALASKA-----	-	-	-	4	4	4	-	4	-	-	-	12	12	12	-	3	3
ARIZONA-----	-	-	-	2	2	2	-	2	-	-	-	9	9	9	-	4	4
COLORADO-----	-	-	-	7	7	7	2	9	-	-	-	219	219	219	-	31	31
ILLINOIS-----	-	-	3	57	60	60	12	72	-	-	410	2,637	3,047	3,047	137	46	51
INDIANA-----	-	-	2	17	19	19	11	30	-	-	3,050	992	4,042	4,042	1,525	58	213
KENTUCKY-----	1	-	8	201	209	210	76	286	6,000	-	7,400	6,785	14,185	20,185	925	34	96
MARYLAND-----	-	-	1	4	5	5	2	7	-	-	50	68	118	118	50	17	24
MISSOURI-----	-	-	-	6	6	6	2	8	-	-	-	344	344	344	-	57	57
MONTANA-----	-	-	-	2	2	2	4	6	-	-	-	49	49	49	-	24	24
NEW MEXICO-----	-	-	1	2	3	3	7	10	-	-	3,000	49	3,049	3,049	3,000	24	1,016
NEW YORK-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
NORTH DAKOTA-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
OHIO-----	-	-	-	16	16	16	14	30	-	-	-	420	420	420	-	26	26
OKLAHOMA-----	-	-	-	1	1	1	-	1	-	-	-	14	14	14	-	14	14
PENNSYLVANIA:																	
ANTHRACITE-----	2	1	3	80	84	86	15	101	12,000	6,000	310	2,428	8,738	20,738	103	30	241
BITUMINOUS-----	-	-	1	81	82	82	43	125	-	-	50	3,264	3,314	3,314	50	40	40
ALL COAL-----	2	1	4	161	166	168	58	226	12,000	6,000	360	5,692	12,052	24,052	90	35	143
TENNESSEE-----	-	-	-	7	7	7	3	10	-	-	-	210	210	210	-	30	30
TEXAS-----	-	-	-	4	4	4	1	5	-	-	-	424	424	424	-	106	106
UTAH-----	-	-	-	6	6	6	4	10	-	-	-	135	135	135	-	22	22
VIRGINIA-----	-	-	1	104	105	105	49	154	-	-	50	3,292	3,342	3,342	50	32	32
WASHINGTON-----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
WEST VIRGINIA-----	1	-	8	216	224	225	64	289	6,000	-	480	8,094	8,574	14,574	60	37	65
WYOMING-----	-	-	-	3	3	3	6	9	-	-	-	111	111	111	-	37	37
TOTAL OR AVERAGE:																	
ANTHRACITE-----	2	1	3	80	84	86	15	101	12,000	6,000	310	2,428	8,738	20,738	103	30	241
BITUMINOUS-----	2	-	26	761	787	789	321	1,110	12,000	-	14,540	27,611	42,151	54,151	559	36	69
ALL COAL-----	4	1	29	841	871	875	336	1,211	24,000	6,000	14,850	30,039	50,889	74,889	512	36	86

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	14	509	523	523	197	720	-	-	13,000	17,286	30,286	30,286	929	34	58
ALABAMA-----	-	-	-	12	12	12	1	13	-	-	-	107	107	107	-	9	9
ALASKA-----	-	-	-	11	11	11	13	24	-	-	-	312	312	312	-	28	28
ARIZONA-----	1	-	4	206	210	211	95	306	6,000	-	1,350	5,718	7,068	13,068	338	28	62
COLORADO-----	4	-	20	1,530	1,550	1,554	236	1,790	24,000	-	4,890	54,879	59,769	83,769	244	36	54
ILLINOIS-----	2	-	4	175	179	181	126	307	12,000	-	3,750	4,793	8,543	20,543	938	27	113
INDIANA-----	-	-	-	5	5	5	-	5	-	-	-	118	118	118	-	24	24
IOWA-----	-	-	-	6	6	6	3	9	-	-	-	405	405	405	-	68	68
KANSAS-----	22	2	65	2,628	2,695	2,717	676	3,393	132,000	12,000	52,960	105,859	170,819	302,819	815	40	111
KENTUCKY-----	-	-	-	3	3	3	3	6	-	-	-	6	6	6	-	2	2
LOUISIANA-----	2	-	3	81	84	86	19	105	12,000	-	150	1,911	2,061	14,061	50	24	164
MARYLAND-----	-	-	-	24	24	24	10	34	-	-	-	812	812	812	-	34	34
MISSOURI-----	-	-	-	20	20	20	24	44	-	-	-	1,246	1,246	1,246	-	62	62
MONTANA-----	-	-	3	25	28	28	30	58	-	-	3,100	659	3,759	3,759	1,033	26	134
NEW MEXICO-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
NEW YORK-----	2	-	1	20	21	23	29	52	12,000	-	50	265	315	12,315	50	13	535
NORTH DAKOTA-----	2	-	10	319	329	331	179	510	12,000	-	1,710	12,165	13,875	25,875	171	38	78
OHIO-----	1	-	-	40	40	41	20	61	6,000	-	-	985	985	6,985	-	25	170
OKLAHOMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141
BITUMINOUS-----	3	-	36	1,463	1,499	1,502	494	1,996	18,000	-	5,405	68,188	73,593	91,593	150	47	61
ALL COAL-----	5	1	41	1,648	1,690	1,695	532	2,227	30,000	6,000	5,815	76,966	88,781	118,781	142	47	70
TENNESSEE-----	1	-	4	153	157	158	26	184	6,000	-	5,600	5,422	11,022	17,022	1,400	35	108
TEXAS-----	1	-	-	85	85	86	68	154	6,000	-	-	1,450	1,450	7,450	-	17	87
UTAH-----	-	-	7	171	178	178	83	261	-	-	350	5,054	5,404	5,404	50	30	30
VIRGINIA-----	5	-	19	1,124	1,143	1,148	325	1,473	30,000	-	11,075	42,718	53,793	83,793	583	38	73
WASHINGTON-----	-	-	-	26	26	26	20	46	-	-	-	900	900	900	-	35	35
WEST VIRGINIA-----	10	-	44	2,698	2,742	2,752	582	3,334	60,000	-	16,090	100,407	116,497	176,497	366	37	64
WYOMING-----	1	-	2	60	62	63	66	129	6,000	-	120	2,618	2,738	8,738	60	44	139
TOTAL OR AVERAGE:	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141
ANTHRACITE-----	57	2	236	11,394	11,632	11,689	3,327	15,016	342,000	12,000	119,600	434,283	565,883	907,883	507	38	78
BITUMINOUS-----	59	3	241	11,579	11,823	11,882	3,365	15,247	354,000	18,000	120,010	443,061	581,071	935,071	498	38	79
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALABAMA-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
ILLINOIS-----	-	-	-	4	4	4	2	6	-	-	-	41	41	41	-	10	10
KENTUCKY-----	-	-	-	4	4	4	-	4	-	-	-	16	16	16	-	4	4
OHIO-----	-	-	-	1	1	1	1	2	-	-	-	4	4	4	-	4	4
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
UTAH-----	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1
VIRGINIA-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
WEST VIRGINIA-----	-	-	-	5	5	5	3	8	-	-	-	146	146	146	-	29	29
WYOMING-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12
ALL COAL-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE:	-	-	14	510	524	198	722	-	-	13,000	17,287	30,287	30,287	929	34	58	
ALABAMA	-	-	-	12	12	1	13	-	-	-	107	107	-	-	9	9	
ALASKA	-	-	-	11	11	11	24	-	-	-	312	312	-	-	28	28	
ARIZONA	-	-	-	206	210	95	306	6,000	-	1,350	5,718	7,068	13,068	338	28	62	
COLORADO	1	-	4	1,534	1,558	238	1,796	24,000	-	4,890	54,920	59,810	83,810	244	36	54	
ILLINOIS	2	-	4	175	179	126	307	12,000	-	3,750	4,793	8,543	20,543	938	27	113	
INDIANA	-	-	-	5	5	-	5	-	-	-	118	118	-	-	24	24	
IOWA	-	-	-	6	6	3	9	-	-	-	405	405	-	-	68	68	
KANSAS	-	-	-	3	3	-	3	-	-	-	6	6	-	-	2	2	
KENTUCKY	22	2	65	2,632	2,699	676	3,397	132,000	12,000	52,960	105,875	170,835	302,835	815	40	111	
LOUISIANA	-	-	-	3	3	3	6	-	-	-	6	6	-	-	2	2	
MARYLAND	2	-	3	81	84	19	105	12,000	-	150	1,911	2,061	14,061	50	24	164	
MISSOURI	-	-	-	24	24	10	34	-	-	-	812	812	-	-	34	34	
MONTANA	-	-	-	20	20	24	44	-	-	-	1,246	1,246	1,246	-	62	62	
NEW MEXICO	-	-	3	25	28	30	58	-	-	3,100	659	3,759	-	1,033	26	134	
NEW YORK	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	
NORTH DAKOTA	2	-	1	20	21	29	52	12,000	-	50	265	315	12,315	50	13	535	
OHIO	2	-	10	320	330	180	512	12,000	-	1,710	12,169	13,879	25,879	171	38	78	
OKLAHOMA	1	-	-	40	40	20	61	6,000	-	-	985	985	6,985	-	25	170	
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANTHRACITE	2	1	5	185	191	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141	
BITUMINOUS	3	-	36	1,463	1,499	495	1,997	18,000	-	5,405	68,188	73,593	91,593	150	47	61	
ALL COAL	5	1	41	1,648	1,690	533	2,228	30,000	6,000	5,815	76,966	88,781	118,781	142	47	70	
TENNESSEE	1	-	4	153	157	26	184	6,000	-	5,600	5,422	11,022	17,022	1,400	35	108	
TEXAS	1	-	-	85	85	68	154	6,000	-	-	1,450	1,450	7,450	-	17	87	
UTAH	-	-	7	172	179	85	264	-	-	350	5,055	5,405	5,405	50	29	30	
VIRGINIA	5	-	19	1,124	1,143	326	1,474	30,000	-	11,075	42,718	53,793	83,793	583	38	73	
WASHINGTON	-	-	-	26	26	20	46	-	-	-	900	900	900	-	35	35	
WEST VIRGINIA	10	-	44	2,703	2,747	585	3,342	60,000	-	16,090	100,553	116,643	176,643	366	37	64	
WYOMING	1	-	2	61	63	66	130	6,000	-	120	2,620	2,740	8,740	60	43	137	
TOTAL OR AVERAGE:	2	1	5	185	191	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141	
ANTHRACITE	57	2	236	11,411	11,649	3,338	15,044	342,000	12,000	119,600	434,494	566,094	908,094	507	38	78	
BITUMINOUS	59	3	241	11,596	11,840	3,376	15,275	354,000	18,000	120,010	443,272	581,282	935,282	498	38	79	

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, 1990

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													
UNDERGROUND MINES:																
UNDERGROUND:																
EAR-----	-	-	-	27	27	27	35	62	-	.04	.04	.05	.09	-	1	1
EYE-----	-	-	1	216	217	217	146	363	-	.32	.32	.22	.54	-	6	6
JAW-----	-	-	-	14	14	14	17	31	-	.02	.02	.03	.05	-	(*)	(*)
MOUTH/TEETH/TONGUE----	-	-	-	29	29	29	62	91	-	.04	.04	.09	.14	-	(*)	(*)
NOSE-----	-	-	-	26	26	26	23	49	-	.04	.04	.03	.07	-	1	1
SCALP-----	-	-	-	4	4	4	-	4	-	.01	.01	-	.01	-	(*)	(*)
SKULL-----	1	-	-	1	1	2	-	2	(*)	(*)	(*)	-	(*)	9	(*)	9
FACE, NEC-----	-	-	-	56	56	56	47	103	-	.08	.08	.07	.15	-	2	2
HEAD, NEC-----	9	1	1	122	124	133	94	227	.01	.18	.20	.14	.34	80	15	95
NECK-----	-	-	-	348	348	348	57	405	-	.52	.52	.08	.60	-	24	24
UPPER ARM-----	-	-	-	18	18	18	6	24	-	.03	.03	.01	.04	-	1	1
ELBOW-----	-	-	-	111	111	111	18	129	-	.17	.17	.03	.19	-	5	5
FOREARM-----	-	-	1	61	62	62	62	124	-	.09	.09	.09	.18	-	8	8
WRIST-----	-	-	-	136	136	136	36	172	-	.20	.20	.05	.26	-	8	8
HAND-----	-	-	-	290	290	290	162	452	-	.43	.43	.24	.67	-	10	10
FINGER(S)-----	-	-	37	785	822	822	577	1,399	-	1.22	1.22	.86	2.08	-	40	40
UPPER EXTREMITIES, NEC--	-	-	-	149	149	149	58	207	-	.22	.22	.09	.31	-	7	7
ABDOMEN-----	-	-	-	38	38	38	3	41	-	.06	.06	(*)	.06	-	1	1
BACK-----	1	-	12	2,534	2,546	2,547	182	2,729	(*)	3.79	3.79	.27	4.06	9	224	233
CHEST-----	5	-	-	164	164	169	33	202	.01	.24	.25	.05	.30	45	5	50
PELVIC REGION-----	-	-	88	214	302	302	14	316	-	.45	.45	.02	.47	-	23	23
SHOULDER(S)-----	-	-	1	310	311	311	34	345	-	.46	.46	.05	.51	-	19	19
TRUNK, NEC-----	3	-	-	153	153	156	14	170	(*)	.23	.23	.02	.25	27	8	35
THIGH-----	-	-	-	50	50	50	18	68	-	.07	.07	.03	.10	-	2	2
KNEE-----	-	-	1	826	827	827	61	888	-	1.23	1.23	.09	1.32	-	57	57
LOWER LEG-----	-	-	1	99	100	100	13	113	-	.15	.15	.02	.17	-	11	11
ANKLE-----	-	-	-	322	322	322	10	332	-	.48	.48	.01	.49	-	14	14
FOOT-----	-	-	1	394	395	395	43	438	-	.59	.59	.06	.65	-	20	20
TOE(S)-----	-	-	2	49	51	51	14	65	-	.08	.08	.02	.10	-	3	3
LOWER EXTREMITIES, NEC--	-	-	2	230	232	232	37	269	-	.35	.35	.06	.40	-	20	20
BODY SYSTEMS-----	5	-	-	26	26	31	5	36	.01	.04	.05	.01	.05	45	1	46
MULTIPLE PARTS OF BODY--	19	1	10	590	601	620	61	681	.03	.90	.92	.09	1.01	170	99	269
UNCLASSIFIED-----	-	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	43	2	158	8,393	8,553	8,596	1,942	10,538	.06	12.74	12.80	2.89	15.70	384	635	1,020

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES								
		PERMANENT		TEMPO- RARY	TOTAL NFDL											
		TOTAL	PARTIAL													
SURFACE AT UNDERGROUND:																
EAR-----	-	-	-	1	1	1	3	4	-	.01	.01	.04	.06	-	(*)	(*)
EYE-----	-	-	-	24	24	24	27	51	-	.34	.34	.39	.73	-	4	4
JAW-----	-	-	-	1	1	1	4	5	-	.01	.01	.06	.07	-	2	2
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	4	4	-	-	-	.06	.06	-	-	-
NOSE-----	-	-	-	1	1	1	3	4	-	.01	.01	.04	.06	-	(*)	(*)
SCALP-----	-	-	-	-	-	-	2	2	-	-	-	.03	.03	-	-	-
FACE, NEC-----	-	-	-	5	5	5	4	9	-	.07	.07	.06	.13	-	1	1
HEAD, NEC-----	-	-	-	11	11	11	16	27	-	.16	.16	.23	.39	-	2	2
NECK-----	-	-	-	8	8	8	1	9	-	.11	.11	.01	.13	-	5	5
ELBOW-----	-	-	-	5	5	5	2	7	-	.07	.07	.03	.10	-	2	2
FOREARM-----	-	-	-	3	3	3	3	6	-	.04	.04	.04	.09	-	(*)	(*)
WRIST-----	-	-	-	12	12	12	7	19	-	.17	.17	.10	.27	-	7	7
HAND-----	-	-	-	14	14	14	19	33	-	.20	.20	.27	.47	-	10	10
FINGER(S)-----	-	-	7	51	58	58	82	140	-	.83	.83	1.18	2.01	-	25	25
UPPER EXTREMITIES, NEC-----	-	-	-	6	6	6	5	11	-	.09	.09	.07	.16	-	3	3
ABDOMEN-----	-	-	-	3	3	3	-	3	-	.04	.04	-	.04	-	(*)	(*)
BACK-----	-	-	1	198	199	199	21	220	-	2.86	2.86	.30	3.16	-	164	164
CHEST-----	-	-	-	15	15	15	2	17	-	.22	.22	.03	.24	-	5	5
PELVIC REGION-----	-	-	8	13	21	21	-	21	-	.30	.30	-	.30	-	11	11
SHOULDER(S)-----	-	-	-	14	14	14	4	18	-	.20	.20	.06	.26	-	3	3
TRUNK, NEC-----	-	-	-	8	8	8	1	9	-	.11	.11	.01	.13	-	7	7
THIGH-----	-	-	-	3	3	3	4	7	-	.04	.04	.06	.10	-	(*)	(*)
KNEE-----	-	-	-	57	57	57	4	61	-	.82	.82	.06	.88	-	44	44
LOWER LEG-----	-	-	-	9	9	9	3	12	-	.13	.13	.04	.17	-	4	4
ANKLE-----	-	-	-	19	19	19	2	21	-	.27	.27	.03	.30	-	5	5
FOOT-----	-	-	-	37	37	37	4	41	-	.53	.53	.06	.59	-	10	10
TOE(S)-----	-	-	-	6	6	6	4	10	-	.09	.09	.06	.14	-	2	2
LOWER EXTREMITIES, NEC-----	-	-	-	19	19	19	4	23	-	.27	.27	.06	.33	-	9	9
BODY SYSTEMS-----	1	-	-	5	5	6	2	8	.01	.07	.09	.03	.11	86	1	87
MULTIPLE PARTS OF BODY-----	1	-	1	32	33	34	3	37	.01	.47	.49	.04	.53	86	55	141
TOTAL OR AVERAGE-----	2	-	17	580	597	599	240	839	.03	8.57	8.60	3.44	12.04	172	381	554

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, 1990 (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, UG:																
EAR-----	-	-	-	28	28	28	38	66	-	.04	.04	.05	.09	-	1	1
EYE-----	-	-	1	240	241	241	173	414	-	.33	.33	.23	.56	-	6	6
JAW-----	-	-	-	15	15	15	21	36	-	.02	.02	.03	.05	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	29	29	29	66	95	-	.04	.04	.09	.13	-	(*)	(*)
NOSE-----	-	-	-	27	27	27	26	53	-	.04	.04	.04	.07	-	1	1
SCALP-----	-	-	-	4	4	4	2	6	-	.01	.01	(*)	.01	-	(*)	(*)
SKULL-----	1	-	-	1	1	2	-	2	(*)	(*)	(*)	-	(*)	8	(*)	8
FACE, NEC-----	-	-	-	61	61	61	51	112	-	.08	.08	.07	.15	-	2	2
HEAD, NEC-----	9	1	1	133	135	144	110	254	.01	.18	.19	.15	.34	73	14	86
NECK-----	-	-	-	356	356	356	58	414	-	.48	.48	.08	.56	-	22	22
UPPER ARM-----	-	-	-	18	18	18	6	24	-	.02	.02	.01	.03	-	1	1
ELBOW-----	-	-	-	116	116	116	20	136	-	.16	.16	.03	.18	-	4	4
FOREARM-----	-	-	1	64	65	65	65	130	-	.09	.09	.09	.18	-	7	7
WRIST-----	-	-	-	148	148	148	43	191	-	.20	.20	.06	.26	-	8	8
HAND-----	-	-	-	304	304	304	181	485	-	.41	.41	.24	.65	-	10	10
FINGER(S)-----	-	-	44	836	880	880	659	1,539	-	1.19	1.19	.89	2.08	-	39	39
UPPER EXTREMITIES, NEC-----	-	-	-	155	155	155	63	218	-	.21	.21	.09	.29	-	7	7
ABDOMEN-----	-	-	-	41	41	41	3	44	-	.06	.06	(*)	.06	-	1	1
BACK-----	1	-	13	2,732	2,745	2,746	203	2,949	(*)	3.70	3.71	.27	3.98	8	219	227
CHEST-----	5	-	-	179	179	184	35	219	.01	.24	.25	.05	.30	40	5	46
PELVIC REGION-----	-	-	96	227	323	323	14	337	-	.44	.44	.02	.45	-	22	22
SHOULDER(S)-----	-	-	1	324	325	325	38	363	-	.44	.44	.05	.49	-	18	18
TRUNK, NEC-----	3	-	-	161	161	164	15	179	(*)	.22	.22	.02	.24	24	8	32
THIGH-----	-	-	-	53	53	53	22	75	-	.07	.07	.03	.10	-	2	2
KNEE-----	-	-	1	883	884	884	65	949	-	1.19	1.19	.09	1.28	-	56	56
LOWER LEG-----	-	-	1	108	109	109	16	125	-	.15	.15	.02	.17	-	10	10
ANKLE-----	-	-	-	341	341	341	12	353	-	.46	.46	.02	.48	-	13	13
FOOT-----	-	-	1	431	432	432	47	479	-	.58	.58	.06	.65	-	19	19
TOE(S)-----	-	-	2	55	57	57	18	75	-	.08	.08	.02	.10	-	3	3
LOWER EXTREMITIES, NEC-----	-	-	2	249	251	251	41	292	-	.34	.34	.06	.39	-	19	19
BODY SYSTEMS-----	6	-	-	31	31	37	7	44	.01	.04	.05	.01	.06	49	1	49
MULTIPLE PARTS OF BODY-----	20	1	11	622	634	654	64	718	.03	.86	.88	.09	.97	162	95	257
UNCLASSIFIED-----	-	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	45	2	175	8,973	9,150	9,195	2,182	11,377	.06	12.35	12.41	2.94	15.35	364	612	976

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL											
		TOTAL	PARTIAL													
SURFACE MINES: STRIP:																
EAR-----	-	-	-	6	6	6	4	10	-	.01	.01	.01	.02	-	(*)	(*)
EYE-----	-	-	-	75	75	75	117	192	-	.16	.16	.26	.42	-	2	2
JAW-----	-	-	-	5	5	5	4	9	-	.01	.01	.01	.02	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	4	4	4	26	30	-	.01	.01	.06	.07	-	(*)	(*)
NOSE-----	-	-	-	2	2	2	4	6	-	(*)	(*)	.01	.01	-	(*)	(*)
SCALP-----	-	-	-	1	1	1	4	5	-	(*)	(*)	.01	.01	-	(*)	(*)
SKULL-----	1	-	-	1	1	2	-	2	(*)	(*)	(*)	-	(*)	13	(*)	13
FACE, NEC-----	-	-	-	10	10	10	15	25	-	.02	.02	.03	.05	-	(*)	(*)
HEAD, NEC-----	-	-	-	33	33	33	68	101	-	.07	.07	.15	.22	-	2	2
NECK-----	-	-	-	34	34	34	14	48	-	.07	.07	.03	.11	-	3	3
UPPER ARM-----	-	-	-	4	4	4	1	5	-	.01	.01	(*)	.01	-	(*)	(*)
ELBOW-----	-	-	-	31	31	31	16	47	-	.07	.07	.04	.10	-	2	2
FOREARM-----	-	-	-	10	10	10	11	21	-	.02	.02	.02	.05	-	1	1
WRIST-----	-	-	-	28	28	28	9	37	-	.06	.06	.02	.08	-	2	2
HAND-----	-	-	1	48	49	49	52	101	-	.11	.11	.11	.22	-	2	2
FINGER(S)-----	-	-	7	103	110	110	184	294	-	.24	.24	.40	.64	-	5	5
UPPER EXTREMITIES, NEC-----	-	-	-	33	33	33	22	55	-	.07	.07	.05	.12	-	2	2
ABDOMEN-----	-	-	-	14	14	14	2	16	-	.03	.03	(*)	.04	-	1	1
BACK-----	-	-	-	480	480	480	68	548	-	1.05	1.05	.15	1.20	-	44	44
CHEST-----	1	-	-	44	44	45	9	54	(*)	.10	.10	.02	.12	13	2	15
PELVIC REGION-----	-	-	21	34	55	55	3	58	-	.12	.12	.01	.13	-	11	11
SHOULDER(S)-----	-	-	-	57	57	57	10	67	-	.12	.12	.02	.15	-	5	5
TRUNK, NEC-----	-	-	-	30	30	30	6	36	-	.07	.07	.01	.08	-	3	3
THIGH-----	-	-	-	10	10	10	16	26	-	.02	.02	.04	.06	-	(*)	(*)
KNEE-----	-	-	-	127	127	127	24	151	-	.28	.28	.05	.33	-	9	9
LOWER LEG-----	-	-	-	22	22	22	9	31	-	.05	.05	.02	.07	-	2	2
ANKLE-----	-	-	-	107	107	107	9	116	-	.23	.23	.02	.25	-	4	4
FOOT-----	-	-	-	55	55	55	8	63	-	.12	.12	.02	.14	-	4	4
TOE(S)-----	-	-	-	13	13	13	4	17	-	.03	.03	.01	.04	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	1	46	47	47	21	68	-	.10	.10	.05	.15	-	11	11
BODY SYSTEMS-----	3	-	-	10	10	13	3	16	.01	.02	.03	.01	.04	39	(*)	39
MULTIPLE PARTS OF BODY-----	4	-	3	160	163	167	43	210	.01	.36	.37	.09	.46	53	38	91
UNCLASSIFIED-----	-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	9	-	33	1,639	1,672	1,681	786	2,467	.02	3.66	3.68	1.72	5.40	118	155	274

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, 1990 (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													
AUGER:																
EAR-----	-	-	-	-	-	-	1	1	-	-	-	.32	.32	-	-	-
EYE-----	-	-	-	1	1	1	2	3	-	.32	.32	.64	.96	-	1	1
HEAD, NEC-----	-	-	-	1	1	1	1	2	-	.32	.32	.32	.64	-	14	14
NECK-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	17	17
HAND-----	-	-	-	1	1	1	1	2	-	.32	.32	.32	.64	-	2	2
FINGER(S)-----	-	-	1	3	4	4	2	6	-	1.27	1.27	.64	1.91	-	35	35
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	1	1
BACK-----	-	-	-	6	6	6	-	6	-	1.91	1.91	-	1.91	-	180	180
CHEST-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	7	7
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	5	5
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	49	49
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	13	13
KNEE-----	-	-	-	3	3	3	-	3	-	.96	.96	-	.96	-	5	5
LOWER LEG-----	-	-	-	1	1	1	1	2	-	.32	.32	.32	.64	-	4	4
ANKLE-----	-	-	-	-	-	-	1	1	-	-	-	.32	.32	-	-	-
FOOT-----	-	-	-	3	3	3	-	3	-	.96	.96	-	.96	-	32	32
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	30	30
MULTIPLE PARTS OF BODY-----	-	-	1	1	2	2	1	3	-	.64	.64	.32	.96	-	383	383
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	9.23	9.23	3.18	12.42	-	777	777
CULM BANK:																
EYE-----	-	-	-	1	1	1	-	1	-	.30	.30	-	.30	-	1	1
NECK-----	-	-	-	1	1	1	-	1	-	.30	.30	-	.30	-	11	11
ELBOW-----	-	-	-	1	1	1	-	1	-	.30	.30	-	.30	-	2	2
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	.30	.30	-	-	-
WRIST-----	-	-	-	1	1	1	-	1	-	.30	.30	-	.30	-	2	2
HAND-----	-	-	-	-	-	-	2	2	-	-	-	.60	.60	-	-	-
FINGER(S)-----	-	-	-	3	3	3	-	3	-	.90	.90	-	.90	-	38	38
BACK-----	-	-	-	7	7	7	-	7	-	2.11	2.11	-	2.11	-	118	118
CHEST-----	-	-	-	3	3	3	-	3	-	.90	.90	-	.90	-	10	10
PELVIC REGION-----	-	-	-	3	3	3	-	3	-	.90	.90	-	.90	-	10	10
KNEE-----	-	-	-	2	2	2	-	2	-	.60	.60	-	.60	-	75	75
MULTIPLE PARTS OF BODY-----	-	-	-	4	4	4	-	4	-	1.21	1.21	-	1.21	-	111	111
TOTAL OR AVERAGE-----	-	-	-	26	26	26	3	29	-	7.84	7.84	.90	8.75	-	378	378
DREDGE:																
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	1.26	1.26	-	1.26	-	23	23
BACK-----	-	-	-	1	1	1	-	1	-	1.26	1.26	-	1.26	-	10	10
FOOT-----	-	-	-	1	1	1	-	1	-	1.26	1.26	-	1.26	-	3	3
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	3.79	3.79	-	3.79	-	35	35

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, 1990 (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:	-	-	-	6	6	6	5	11	-	.01	.01	.01	.02	-	(*)	(*)
EAR-----	-	-	-	77	77	77	119	196	-	.17	.17	.26	.42	-	2	2
EYE-----	-	-	-	5	5	5	4	9	-	.01	.01	.01	.02	-	(*)	(*)
JAW-----	-	-	-	4	4	4	26	30	-	.01	.01	.06	.06	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	2	2	2	4	6	-	(*)	(*)	.01	.01	-	(*)	(*)
NOSE-----	-	-	-	1	1	1	4	5	-	(*)	(*)	.01	.01	-	(*)	(*)
SCALP-----	1	-	-	1	1	2	-	2	(*)	(*)	(*)	-	(*)	13	(*)	13
SKULL-----	-	-	-	10	10	10	15	25	-	.02	.02	.03	.05	-	(*)	(*)
FACE, NEC-----	-	-	-	35	35	35	69	104	-	.08	.08	.15	.22	-	2	2
HEAD, NEC-----	-	-	-	36	36	36	14	50	-	.08	.08	.03	.11	-	3	3
NECK-----	-	-	-	4	4	4	1	5	-	.01	.01	(*)	.01	-	(*)	(*)
UPPER ARM-----	-	-	-	32	32	32	16	48	-	.07	.07	.03	.10	-	2	2
ELBOW-----	-	-	-	10	10	10	12	22	-	.02	.02	.03	.05	-	1	1
FOREARM-----	-	-	-	29	29	29	9	38	-	.06	.06	.02	.08	-	2	2
WRIST-----	-	-	-	49	50	50	55	105	-	.11	.11	.12	.23	-	2	2
HAND-----	-	-	1	109	117	117	186	303	-	.25	.25	.40	.65	-	6	6
FINGER(S)-----	-	-	8	34	34	34	22	56	-	.07	.07	.05	.12	-	2	2
UPPER EXTREMITIES, NEC-----	-	-	-	14	14	14	2	16	-	.03	.03	(*)	.03	-	1	1
ABDOMEN-----	-	-	-	494	494	494	68	562	-	1.06	1.06	.15	1.21	-	45	45
BACK-----	1	-	-	48	48	49	9	58	(*)	.10	.11	.02	.12	13	2	15
CHEST-----	-	-	-	38	59	59	3	62	-	.13	.13	.01	.13	-	11	11
PELVIC REGION-----	-	-	21	58	58	58	10	68	-	.12	.12	.02	.15	-	5	5
SHOULDER(S)-----	-	-	-	31	31	31	6	37	-	.07	.07	.01	.08	-	3	3
TRUNK, NEC-----	-	-	-	10	10	10	16	26	-	.02	.02	.03	.06	-	(*)	(*)
THIGH-----	-	-	-	132	132	132	24	156	-	.28	.28	.05	.34	-	9	9
KNEE-----	-	-	-	23	23	23	10	33	-	.05	.05	.02	.07	-	2	2
LOWER LEG-----	-	-	-	107	107	107	10	117	-	.23	.23	.02	.25	-	4	4
ANKLE-----	-	-	-	59	59	59	8	67	-	.13	.13	.02	.14	-	4	4
FOOT-----	-	-	-	13	13	13	4	17	-	.03	.03	.01	.04	-	1	1
TOE(S)-----	-	-	-	47	48	48	21	69	-	.10	.10	.05	.15	-	11	11
LOWER EXTREMITIES, NEC-----	3	-	-	10	10	13	3	16	.01	.02	.03	.01	.03	39	(*)	39
BODY SYSTEMS-----	4	-	4	165	169	173	44	217	.01	.36	.37	.09	.47	52	41	93
MULTIPLE PARTS OF BODY-----	-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	9	-	35	1,695	1,730	1,739	799	2,538	.02	3.73	3.75	1.72	5.47	116	161	277

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, 1990 (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, MINING:																
EAR-----	-	-	-	34	34	34	43	77	-	.03	.03	.04	.06	-	(*)	(*)
EYE-----	-	-	1	317	318	318	292	610	-	.26	.26	.24	.51	-	4	4
JAW-----	-	-	-	20	20	20	25	45	-	.02	.02	.02	.04	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	33	33	33	92	125	-	.03	.03	.08	.10	-	(*)	(*)
NOSE-----	-	-	-	29	29	29	30	59	-	.02	.02	.02	.05	-	1	1
SCALP-----	-	-	-	5	5	5	6	11	-	(*)	(*)	(*)	.01	-	(*)	(*)
SKULL-----	2	-	-	2	2	4	-	4	(*)	(*)	(*)	-	(*)	10	(*)	10
FACE, NEC-----	-	-	-	71	71	71	66	137	-	.06	.06	.05	.11	-	1	1
HEAD, NEC-----	9	1	1	168	170	179	179	358	.01	.14	.15	.15	.30	45	9	54
NECK-----	-	-	-	392	392	392	72	464	-	.33	.33	.06	.38	-	15	15
UPPER ARM-----	-	-	-	22	22	22	7	29	-	.02	.02	.01	.02	-	1	1
ELBOW-----	-	-	-	148	148	148	36	184	-	.12	.12	.03	.15	-	3	3
FOREARM-----	-	-	1	74	75	75	77	152	-	.06	.06	.06	.13	-	5	5
WRIST-----	-	-	-	177	177	177	52	229	-	.15	.15	.04	.19	-	5	5
HAND-----	-	-	1	353	354	354	236	590	-	.29	.29	.20	.49	-	7	7
FINGER(S)-----	-	-	52	945	997	997	845	1,842	-	.83	.83	.70	1.53	-	26	26
UPPER EXTREMITIES, NEC-----	-	-	-	189	189	189	85	274	-	.16	.16	.07	.23	-	5	5
ABDOMEN-----	-	-	-	55	55	55	5	60	-	.05	.05	(*)	.05	-	1	1
BACK-----	1	-	13	3,226	3,239	3,240	271	3,511	(*)	2.69	2.69	.22	2.91	5	152	157
CHEST-----	6	-	-	227	227	233	44	277	(*)	.19	.19	.04	.23	30	4	34
PELVIC REGION-----	-	-	117	265	382	382	17	393	-	.32	.32	.01	.33	-	18	18
SHOULDER(S)-----	-	-	1	382	383	383	48	431	-	.32	.32	.04	.36	-	13	13
TRUNK, NEC-----	3	-	-	192	192	195	21	216	(*)	.16	.16	.02	.18	15	6	21
THIGH-----	-	-	-	63	63	63	38	101	-	.05	.05	.03	.08	-	1	1
KNEE-----	-	-	1	1,015	1,016	1,016	89	1,105	-	.84	.84	.07	.92	-	38	38
LOWER LEG-----	-	-	1	131	132	132	26	158	-	.11	.11	.02	.13	-	7	7
ANKLE-----	-	-	-	448	448	448	22	470	-	.37	.37	.02	.39	-	10	10
FOOT-----	-	-	1	490	491	491	55	546	-	.41	.41	.05	.45	-	13	13
TOE(S)-----	-	-	2	68	70	70	22	92	-	.06	.06	.02	.08	-	2	2
LOWER EXTREMITIES, NEC-----	-	-	3	296	299	299	62	361	-	.25	.25	.05	.30	-	16	16
BODY SYSTEMS-----	9	-	-	41	41	50	10	60	.01	.03	.04	.01	.05	45	1	45
MULTIPLE PARTS OF BODY-----	24	1	15	787	803	827	108	935	.02	.67	.69	.09	.78	119	74	194
UNCLASSIFIED-----	-	-	-	3	3	3	-	3	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	54	2	210	10,668	10,880	10,934	2,981	13,915	.04	9.03	9.07	2.47	11.54	269	438	707

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, 1990 (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-----	-	-	-	3	3	3	13	16	-	.28	.28	1.20	1.47	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	2	2	2	-	2	-	.18	.18	-	.18	-	1	1
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	.09	.09	-	-	-
FACE, NEC-----	-	-	-	1	1	1	-	1	-	.09	.09	-	.09	-	(*)	(*)
HEAD, NEC-----	-	-	-	-	-	-	1	1	-	-	-	.09	.09	-	-	-
ELBOW-----	-	-	-	1	1	1	1	2	-	.09	.09	.09	.18	-	10	10
FOREARM-----	-	-	-	1	1	1	2	3	-	.09	.09	.18	.28	-	1	1
WRIST-----	-	-	-	-	-	-	1	1	-	-	-	.09	.09	-	-	-
HAND-----	-	-	-	1	1	1	4	5	-	.09	.09	.37	.46	-	(*)	(*)
FINGER(S)-----	-	-	-	12	12	12	16	28	-	1.10	1.10	1.47	2.58	-	29	29
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	.09	.09	-	.09	-	(*)	(*)
ABDOMEN-----	-	-	-	1	1	1	-	1	-	.09	.09	-	.09	-	(*)	(*)
BACK-----	-	-	-	23	23	23	3	26	-	2.12	2.12	.28	2.39	-	51	51
CHEST-----	-	-	-	-	-	-	1	1	-	-	-	.09	.09	-	-	-
PELVIC REGION-----	-	-	2	4	6	6	-	6	-	.55	.55	-	.55	-	12	12
SHOULDER(S)-----	-	-	-	-	-	-	1	1	-	-	-	.09	.09	-	-	-
KNEE-----	-	-	-	7	7	7	-	7	-	.64	.64	-	.64	-	39	39
LOWER LEG-----	-	-	-	2	2	2	-	2	-	.18	.18	-	.18	-	1	1
ANKLE-----	-	-	-	3	3	3	-	3	-	.28	.28	-	.28	-	11	11
FOOT-----	-	-	-	2	2	2	-	2	-	.18	.18	-	.18	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	-	2	2	-	-	-	.18	.18	-	-	-
MULTIPLE PARTS OF BODY-----	1	-	-	6	6	7	2	9	.09	.55	.64	.18	.83	552	46	598
TOTAL OR AVERAGE-----	1	-	2	70	72	73	48	121	.09	6.63	6.72	4.42	11.13	552	203	755

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, 1990 (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													
PROCESSING PLANTS:																
EAR-----	-	-	-	2	2	2	3	5	-	.01	.01	.02	.03	-	(*)	(*)
EYE-----	-	-	-	52	52	52	57	109	-	.34	.34	.37	.70	-	1	1
JAW-----	-	-	-	2	2	2	1	3	-	.01	.01	.01	.02	-	(*)	(*)
MOUTH/TEETH/TONGUE----	-	-	-	1	1	1	9	10	-	.01	.01	.06	.06	-	(*)	(*)
NOSE-----	-	-	-	2	2	2	4	6	-	.01	.01	.03	.04	-	(*)	(*)
SCALP-----	-	-	-	1	1	1	2	3	-	.01	.01	.01	.02	-	(*)	(*)
FACE, NEC-----	-	-	-	8	8	8	7	15	-	.05	.05	.05	.10	-	1	1
HEAD, NEC-----	-	-	-	9	9	9	18	27	-	.06	.06	.12	.17	-	1	1
NECK-----	-	-	-	14	14	14	3	17	-	.09	.09	.02	.11	-	4	4
ELBOW-----	-	-	-	9	9	9	9	18	-	.06	.06	.06	.12	-	2	2
FOREARM-----	-	-	-	7	7	7	10	17	-	.05	.05	.06	.11	-	1	1
WRIST-----	-	-	-	14	14	14	5	19	-	.09	.09	.03	.12	-	5	5
HAND-----	-	-	1	30	31	31	30	61	-	.20	.20	.19	.39	-	25	25
FINGER(S)-----	-	-	8	74	82	82	80	162	-	.53	.53	.52	1.04	-	19	19
UPPER EXTREMITIES, NEC----	-	-	-	23	23	23	5	28	-	.15	.15	.03	.18	-	5	5
ABDOMEN-----	-	-	-	4	4	4	1	5	-	.03	.03	.01	.03	-	2	2
BACK-----	-	-	-	262	262	262	30	292	-	1.69	1.69	.19	1.88	-	68	68
CHEST-----	-	-	-	18	18	18	6	24	-	.12	.12	.04	.15	-	1	1
PELVIC REGION-----	-	-	15	21	36	36	2	38	-	.23	.23	.01	.24	-	9	9
SHOULDER(S)-----	-	-	-	29	29	29	3	32	-	.19	.19	.02	.21	-	9	9
TRUNK, NEC-----	-	-	-	15	15	15	3	18	-	.10	.10	.02	.12	-	4	4
THIGH-----	-	-	-	3	3	3	4	7	-	.02	.02	.03	.05	-	1	1
KNEE-----	-	-	-	71	71	71	12	83	-	.46	.46	.08	.53	-	16	16
LOWER LEG-----	-	-	1	9	10	10	6	16	-	.06	.06	.04	.10	-	22	22
ANKLE-----	-	-	-	39	39	39	3	42	-	.25	.25	.02	.27	-	6	6
FOOT-----	-	-	-	19	19	19	4	23	-	.12	.12	.03	.15	-	6	6
TOE(S)-----	-	-	1	3	4	4	1	5	-	.03	.03	.01	.03	-	3	3
LOWER EXTREMITIES, NEC----	-	-	-	27	27	27	-	27	-	.17	.17	-	.17	-	8	8
BODY SYSTEMS-----	3	-	-	5	5	8	6	14	.02	.03	.05	.04	.09	116	1	117
MULTIPLE PARTS OF BODY----	1	1	3	68	72	73	11	84	.01	.46	.47	.07	.54	39	108	146
UNCLASSIFIED-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
TOTAL OR AVERAGE-----	4	1	29	841	871	875	336	1,211	.03	5.61	5.64	2.17	7.81	155	328	483

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, 1990 (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													
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																
EAR-----	-	-	-	36	36	36	46	82	-	.03	.03	.03	.06	-	(*)	(*)
EYE-----	-	-	1	372	373	373	362	735	-	.27	.27	.26	.54	-	4	4
JAW-----	-	-	-	22	22	22	26	48	-	.02	.02	.02	.04	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	36	36	36	101	137	-	.03	.03	.07	.10	-	(*)	(*)
NOSE-----	-	-	-	31	31	31	34	65	-	.02	.02	.02	.05	-	1	1
SCALP-----	-	-	-	6	6	6	9	15	-	(*)	(*)	.01	.01	-	(*)	(*)
SKULL-----	2	-	-	2	2	4	-	4	(*)	(*)	(*)	-	(*)	9	(*)	9
FACE, NEC-----	-	-	-	80	80	80	73	153	-	.06	.06	.05	.11	-	1	1
HEAD, NEC-----	9	1	1	177	179	188	198	386	.01	.13	.14	.14	.28	39	8	47
NECK-----	-	-	-	406	406	406	75	481	-	.30	.30	.05	.35	-	13	13
UPPER ARM-----	-	-	-	22	22	22	7	29	-	.02	.02	.01	.02	-	(*)	(*)
ELBOW-----	-	-	-	158	158	158	46	204	-	.12	.12	.03	.15	-	3	3
FOREARM-----	-	-	1	82	83	83	89	172	-	.06	.06	.06	.13	-	4	4
WRIST-----	-	-	-	191	191	191	58	249	-	.14	.14	.04	.18	-	5	5
HAND-----	-	-	2	384	386	386	270	656	-	.28	.28	.20	.48	-	9	9
FINGER(S)-----	-	-	60	1,031	1,091	1,091	941	2,032	-	.80	.80	.69	1.48	-	25	25
UPPER EXTREMITIES, NEC-----	-	-	-	213	213	213	90	303	-	.16	.16	.07	.22	-	5	5
ABDOMEN-----	-	-	-	60	60	60	6	66	-	.04	.04	(*)	.05	-	1	1
BACK-----	1	-	13	3,511	3,524	3,525	304	3,829	(*)	2.57	2.57	.22	2.79	4	142	146
CHEST-----	6	-	-	245	245	251	51	302	(*)	.18	.18	.04	.22	26	4	30
PELVIC REGION-----	-	-	134	290	424	424	19	443	-	.31	.31	.01	.32	-	17	17
SHOULDER(S)-----	-	-	1	411	412	412	52	464	-	.30	.30	.04	.34	-	13	13
TRUNK, NEC-----	3	-	-	207	207	210	24	234	(*)	.15	.15	.02	.17	13	6	19
THIGH-----	-	-	-	66	66	66	42	108	-	.05	.05	.03	.08	-	1	1
KNEE-----	-	-	1	1,093	1,094	1,094	101	1,195	-	.80	.80	.07	.87	-	35	35
LOWER LEG-----	-	-	2	142	144	144	32	176	-	.10	.10	.02	.13	-	9	9
ANKLE-----	-	-	-	490	490	490	25	515	-	.36	.36	.02	.38	-	9	9
FOOT-----	-	-	1	511	512	512	59	571	-	.37	.37	.04	.42	-	12	12
TOE(S)-----	-	-	3	71	74	74	23	97	-	.05	.05	.02	.07	-	2	2
LOWER EXTREMITIES, NEC-----	-	-	3	323	326	326	64	390	-	.24	.24	.05	.28	-	15	15
BODY SYSTEMS-----	12	-	-	46	46	58	16	74	.01	.03	.04	.01	.05	53	1	53
MULTIPLE PARTS OF BODY-----	26	2	18	861	881	907	121	1,028	.02	.64	.66	.09	.75	114	78	192
UNCLASSIFIED-----	-	-	-	3	3	3	1	4	-	(*)	(*)	(*)	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	59	3	241	11,579	11,823	11,882	3,365	15,247	.04	8.62	8.66	2.45	11.12	258	424	682
OFFICE:																
HEAD, NEC-----	-	-	-	1	1	1	2	3	-	.01	.01	.03	.04	-	(*)	(*)
WRIST-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
FINGER(S)-----	-	-	-	2	2	2	3	5	-	.03	.03	.04	.07	-	1	1
BACK-----	-	-	-	4	4	4	2	6	-	.06	.06	.03	.09	-	1	1
CHEST-----	-	-	-	1	1	1	1	2	-	.01	.01	.01	.03	-	(*)	(*)
SHOULDER(S)-----	-	-	-	2	2	2	-	2	-	.03	.03	-	.03	-	(*)	(*)
KNEE-----	-	-	-	2	2	2	-	2	-	.03	.03	-	.03	-	(*)	(*)
ANKLE-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
FOOT-----	-	-	-	2	2	2	-	2	-	.03	.03	-	.03	-	(*)	(*)
TOE(S)-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
BODY SYSTEMS-----	-	-	-	2	2	2	-	2	-	.03	.03	-	.03	-	1	1
TOTAL OR AVERAGE-----	-	-	-	17	17	17	11	28	-	.25	.25	.16	.41	-	3	3

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, 1990 (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													
GRAND TOTAL OR AVERAGE:																
EAR-----	-	-	-	36	36	36	46	82	-	.03	.03	.03	.06	-	(*)	(*)
EYE-----	-	-	1	372	373	373	362	735	-	.26	.26	.25	.51	-	4	4
JAW-----	-	-	-	22	22	22	26	48	-	.02	.02	.02	.03	-	(*)	(*)
MOUTH/TEETH/TONGUE--	-	-	-	36	36	36	101	137	-	.03	.03	.07	.10	-	(*)	(*)
NOSE-----	-	-	-	31	31	31	34	65	-	.02	.02	.02	.05	-	1	1
SCALP-----	-	-	-	6	6	6	9	15	-	(*)	(*)	.01	.01	-	(*)	(*)
SKULL-----	2	-	-	2	2	4	-	4	(*)	(*)	(*)	-	(*)	8	(*)	8
FACE, NEC-----	-	-	-	80	80	80	73	153	-	.06	.06	.05	.11	-	1	1
HEAD, NEC-----	9	1	1	178	180	189	200	389	.01	.13	.13	.14	.27	38	8	45
NECK-----	-	-	-	406	406	406	75	481	-	.28	.28	.05	.33	-	13	13
UPPER ARM-----	-	-	-	22	22	22	7	29	-	.02	.02	(*)	.02	-	(*)	(*)
ELBOW-----	-	-	-	158	158	158	46	204	-	.11	.11	.03	.14	-	3	3
FOREARM-----	-	-	1	82	83	83	89	172	-	.06	.06	.06	.12	-	4	4
WRIST-----	-	-	-	191	191	191	59	250	-	.13	.13	.04	.17	-	5	5
HAND-----	-	-	2	384	386	386	270	656	-	.27	.27	.19	.46	-	9	9
FINGER(S)-----	-	-	60	1,033	1,093	1,093	944	2,037	-	.76	.76	.66	1.42	-	24	24
UPPER EXTREMITIES, NEC--	-	-	-	213	213	213	90	303	-	.15	.15	.06	.21	-	5	5
ABDOMEN-----	-	-	-	60	60	60	6	66	-	.04	.04	(*)	.05	-	1	1
BACK-----	1	-	13	3,515	3,528	3,529	306	3,835	(*)	2.45	2.45	.21	2.66	4	135	139
CHEST-----	6	-	-	246	246	252	52	304	(*)	.17	.18	.04	.21	25	4	29
PELVIC REGION-----	-	-	134	290	424	424	19	443	-	.29	.29	.01	.31	-	16	16
SHOULDER(S)-----	-	-	1	413	414	414	52	466	-	.29	.29	.04	.32	-	12	12
TRUNK, NEC-----	3	-	-	207	207	210	24	234	(*)	.14	.15	.02	.16	13	5	18
THIGH-----	-	-	-	66	66	66	42	108	-	.05	.05	.03	.08	-	1	1
KNEE-----	-	-	1	1,095	1,096	1,096	101	1,197	-	.76	.76	.07	.83	-	34	34
LOWER LEG-----	-	-	2	142	144	144	32	176	-	.10	.10	.02	.12	-	8	8
ANKLE-----	-	-	-	491	491	491	25	516	-	.34	.34	.02	.36	-	9	9
FOOT-----	-	-	1	513	514	514	59	573	-	.36	.36	.04	.40	-	12	12
TOE(S)-----	-	-	3	71	74	74	24	98	-	.05	.05	.02	.07	-	2	2
LOWER EXTREMITIES, NEC--	-	-	3	323	326	326	65	391	-	.23	.23	.05	.27	-	14	14
BODY SYSTEMS-----	12	-	-	48	48	60	16	76	.01	.03	.04	.01	.05	50	1	51
MULTIPLE PARTS OF BODY--	26	2	18	861	881	907	121	1,028	.02	.61	.63	.08	.71	108	74	183
UNCLASSIFIED-----	-	-	-	3	3	3	1	4	-	(*)	(*)	(*)	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,899	3,376	15,275	.04	8.23	8.27	2.35	10.61	246	404	650

TABLE 8A. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ANTHRAHITE COAL OPERATIONS IN THE UNITED STATES, 1990

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFDI				TOTAL FATAL AND NFDI	NDL	TOTAL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI	NDL	ALL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI
		PERMANENT		TEMPO- RARY	TOTAL NFDI											
		TOTAL	PARTIAL													
UNDERGROUND MINES:																
UNDERGROUND:																
EYE-----	-	-	-	1	1	1	-	1	-	.51	.51	-	.51	-	1	1
NECK-----	-	-	-	1	1	1	-	1	-	.51	.51	-	.51	-	1	1
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	.51	.51	-	-	-
FINGER(S)-----	-	-	-	2	2	2	-	2	-	1.01	1.01	-	1.01	-	12	12
BACK-----	-	-	-	1	1	1	-	1	-	.51	.51	-	.51	-	24	24
PELVIC REGION-----	-	-	1	-	1	1	-	1	-	.51	.51	-	.51	-	25	25
MULTIPLE PARTS OF BODY--	-	-	-	3	3	3	1	4	-	1.52	1.52	.51	2.03	-	205	205
TOTAL OR AVERAGE-----	-	-	1	8	9	9	2	11	-	4.56	4.56	1.01	5.57	-	267	267
SURFACE AT UNDERGROUND:																
FINGER(S)-----	-	-	-	1	1	1	-	1	-	1.62	1.62	-	1.62	-	11	11
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	1.62	1.62	-	1.62	-	2	2
BODY SYSTEMS-----	-	-	-	-	-	-	1	1	-	-	-	1.62	1.62	-	-	-
TOTAL OR AVERAGE-----	-	-	-	2	2	2	1	3	-	3.25	3.25	1.62	4.87	-	13	13
TOTAL OR AVERAGE, UG:																
EYE-----	-	-	-	1	1	1	-	1	-	.39	.39	-	.39	-	(*)	(*)
NECK-----	-	-	-	1	1	1	-	1	-	.39	.39	-	.39	-	(*)	(*)
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	.39	.39	-	-	-
FINGER(S)-----	-	-	-	3	3	3	-	3	-	1.16	1.16	-	1.16	-	12	12
BACK-----	-	-	-	1	1	1	-	1	-	.39	.39	-	.39	-	19	19
PELVIC REGION-----	-	-	1	-	1	1	-	1	-	.39	.39	-	.39	-	19	19
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	.39	.39	-	.39	-	(*)	(*)
BODY SYSTEMS-----	-	-	-	-	-	-	1	1	-	-	-	.39	.39	-	-	-
MULTIPLE PARTS OF BODY--	-	-	-	3	3	3	1	4	-	1.16	1.16	.39	1.54	-	156	156
TOTAL OR AVERAGE-----	-	-	1	10	11	11	3	14	-	4.25	4.25	1.16	5.40	-	207	207

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, 1990 (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													
SURFACE MINES:																
STRIP:	-	-	-	3	3	3	2	5	-	.46	.46	.30	.76	-	1	1
EYE-----	-	-	-	-	-	-	1	1	-	-	-	.15	.15	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	-	1	-	.15	.15	-	.15	-	2	2
NECK-----	-	-	-	2	2	2	-	2	-	.30	.30	-	.30	-	6	6
ELBOW-----	-	-	-	1	1	1	-	1	-	.15	.15	-	.15	-	27	27
WRIST-----	-	-	-	1	1	1	-	1	-	.15	.15	-	.15	-	1	1
HAND-----	-	-	-	5	5	5	4	9	-	.76	.76	.61	1.37	-	19	19
FINGER(S)-----	-	-	-	-	-	-	2	2	-	-	-	.30	.30	-	-	-
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	.15	.15	-	.15	-	7	7
ABDOMEN-----	-	-	-	22	22	22	2	24	-	3.34	3.34	.30	3.64	-	289	289
BACK-----	-	-	-	4	4	4	1	5	-	.61	.61	.15	.76	-	34	34
CHEST-----	-	-	1	2	3	3	-	3	-	.46	.46	-	.46	-	9	9
PELVIC REGION-----	-	-	-	2	2	2	-	2	-	.30	.30	-	.30	-	9	9
SHOULDER(S)-----	-	-	-	-	-	-	1	1	-	-	-	.15	.15	-	-	-
THIGH-----	-	-	-	10	10	10	-	10	-	1.52	1.52	-	1.52	-	49	49
KNEE-----	-	-	-	1	1	1	-	1	-	.15	.15	-	.15	-	(*)	(*)
LOWER LEG-----	-	-	-	4	4	4	-	4	-	.61	.61	-	.61	-	2	2
ANKLE-----	-	-	-	2	2	2	-	2	-	.30	.30	-	.30	-	14	14
FOOT-----	-	-	-	1	1	1	-	1	-	.15	.15	-	.15	-	1	1
TOE(S)-----	-	-	-	1	1	1	-	1	-	.15	.15	-	.15	-	10	10
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	.15	.15	-	.15	-	4	4
BODY SYSTEMS-----	-	-	-	12	12	12	1	13	-	1.82	1.82	.15	1.97	-	237	237
MULTIPLE PARTS OF BODY--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	1	76	77	77	14	91	-	11.68	11.68	2.12	13.81	-	721	721
CULM BANK:																
NECK-----	-	-	-	1	1	1	-	1	-	.52	.52	-	.52	-	20	20
ELBOW-----	-	-	-	1	1	1	-	1	-	.52	.52	-	.52	-	3	3
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	.52	.52	-	-	-
WRIST-----	-	-	-	1	1	1	-	1	-	.52	.52	-	.52	-	3	3
HAND-----	-	-	-	-	-	-	2	2	-	-	-	1.03	1.03	-	-	-
FINGER(S)-----	-	-	-	2	2	2	-	2	-	1.03	1.03	-	1.03	-	50	50
BACK-----	-	-	-	3	3	3	-	3	-	1.55	1.55	-	1.55	-	75	75
PELVIC REGION-----	-	-	-	2	2	2	-	2	-	1.03	1.03	-	1.03	-	17	17
KNEE-----	-	-	-	2	2	2	-	2	-	1.03	1.03	-	1.03	-	129	129
MULTIPLE PARTS OF BODY--	-	-	-	4	4	4	-	4	-	2.07	2.07	-	2.07	-	191	191
TOTAL OR AVERAGE-----	-	-	-	16	16	16	3	19	-	8.27	8.27	1.55	9.82	-	487	487

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, 1990 (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:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EYE-----	-	-	-	3	3	3	2	5	-	.35	.35	.23	.59	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	1	-	-	-	.12	.12	-	-	-
NECK-----	-	-	-	2	2	2	-	2	-	.23	.23	-	.23	-	6	6
ELBOW-----	-	-	-	3	3	3	-	3	-	.35	.35	-	.35	-	5	5
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	.12	.12	-	-	-
WRIST-----	-	-	-	2	2	2	-	2	-	.23	.23	-	.23	-	22	22
HAND-----	-	-	-	1	1	1	2	3	-	.12	.12	.23	.35	-	1	1
FINGER(S)-----	-	-	-	7	7	7	4	11	-	.82	.82	.47	1.29	-	26	26
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	-	2	2	-	-	-	.23	.23	-	-	-
ABDOMEN-----	-	-	-	1	1	1	-	1	-	.12	.12	-	.12	-	5	5
BACK-----	-	-	-	25	25	25	2	27	-	2.93	2.93	.23	3.16	-	240	240
CHEST-----	-	-	-	4	4	4	1	5	-	.47	.47	.12	.59	-	26	26
PELVIC REGION-----	-	-	1	4	5	5	-	5	-	.59	.59	-	.59	-	11	11
SHOULDER(S)-----	-	-	-	2	2	2	-	2	-	.23	.23	-	.23	-	7	7
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	.12	.12	-	-	-
KNEE-----	-	-	-	12	12	12	-	12	-	1.40	1.40	-	1.40	-	67	67
LOWER LEG-----	-	-	-	1	1	1	-	1	-	.12	.12	-	.12	-	(*)	(*)
ANKLE-----	-	-	-	4	4	4	-	4	-	.47	.47	-	.47	-	2	2
FOOT-----	-	-	-	2	2	2	-	2	-	.23	.23	-	.23	-	11	11
TOE(S)-----	-	-	-	1	1	1	-	1	-	.12	.12	-	.12	-	(*)	(*)
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	.12	.12	-	.12	-	7	7
BODY SYSTEMS-----	-	-	-	1	1	1	-	1	-	.12	.12	-	.12	-	3	3
MULTIPLE PARTS OF BODY-----	-	-	-	16	16	16	1	17	-	1.87	1.87	.12	1.99	-	226	226
TOTAL OR AVERAGE-----	-	-	1	92	93	93	17	110	-	10.89	10.89	1.99	12.88	-	666	666
TOTAL OR AVERAGE, MINING:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EYE-----	-	-	-	4	4	4	2	6	-	.36	.36	.18	.54	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	1	-	-	-	.09	.09	-	-	-
NECK-----	-	-	-	3	3	3	-	3	-	.27	.27	-	.27	-	4	4
ELBOW-----	-	-	-	3	3	3	-	3	-	.27	.27	-	.27	-	4	4
FOREARM-----	-	-	-	-	-	-	2	2	-	-	-	.18	.18	-	-	-
WRIST-----	-	-	-	2	2	2	-	2	-	.18	.18	-	.18	-	17	17
HAND-----	-	-	-	1	1	1	2	3	-	.09	.09	.18	.27	-	(*)	(*)
FINGER(S)-----	-	-	-	10	10	10	4	14	-	.90	.90	.36	1.26	-	22	22
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	-	2	2	-	-	-	.18	.18	-	-	-
ABDOMEN-----	-	-	-	1	1	1	-	1	-	.09	.09	-	.09	-	4	4
BACK-----	-	-	-	26	26	26	2	28	-	2.34	2.34	.18	2.52	-	189	189
CHEST-----	-	-	-	4	4	4	1	5	-	.36	.36	.09	.45	-	20	20
PELVIC REGION-----	-	-	2	4	6	6	-	6	-	.54	.54	-	.54	-	13	13
SHOULDER(S)-----	-	-	-	3	3	3	-	3	-	.27	.27	-	.27	-	6	6
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	.09	.09	-	-	-
KNEE-----	-	-	-	12	12	12	-	12	-	1.08	1.08	-	1.08	-	51	51
LOWER LEG-----	-	-	-	1	1	1	-	1	-	.09	.09	-	.09	-	(*)	(*)
ANKLE-----	-	-	-	4	4	4	-	4	-	.36	.36	-	.36	-	1	1
FOOT-----	-	-	-	2	2	2	-	2	-	.18	.18	-	.18	-	8	8
TOE(S)-----	-	-	-	1	1	1	-	1	-	.09	.09	-	.09	-	(*)	(*)
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	.09	.09	-	.09	-	6	6
BODY SYSTEMS-----	-	-	-	1	1	1	1	2	-	.09	.09	.09	.18	-	3	3
MULTIPLE PARTS OF BODY-----	-	-	-	19	19	19	2	21	-	1.71	1.71	.18	1.89	-	210	210
TOTAL OR AVERAGE-----	-	-	2	102	104	104	20	124	-	9.34	9.34	1.80	11.14	-	559	559

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, 1990 (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:																
ELBOW-----	-	-	-	-	-	-	1	1	-	-	-	2.52	2.52	-	-	-
HAND-----	-	-	-	-	-	-	1	1	-	-	-	2.52	2.52	-	-	-
BACK-----	-	-	-	1	1	1	1	2	-	2.52	2.52	2.52	5.04	-	50	50
LOWER LEG-----	-	-	-	1	1	1	-	1	-	2.52	2.52	-	2.52	-	8	8
MULTIPLE PARTS OF BODY----	-	-	-	1	1	1	-	1	-	2.52	2.52	-	2.52	-	501	501
TOTAL OR AVERAGE-----	-	-	-	3	3	3	3	6	-	7.56	7.56	7.56	15.12	-	559	559
PROCESSING PLANTS:																
EYE-----	-	-	-	9	9	9	-	9	-	1.30	1.30	-	1.30	-	2	2
JAW-----	-	-	-	1	1	1	-	1	-	.14	.14	-	.14	-	3	3
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	.14	.14	-	-	-
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	.14	.14	-	-	-
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	.14	.14	-	.14	-	1	1
ELBOW-----	-	-	-	1	1	1	-	1	-	.14	.14	-	.14	-	8	8
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	.14	.14	-	-	-
WRIST-----	-	-	-	2	2	2	-	2	-	.29	.29	-	.29	-	14	14
HAND-----	-	-	-	4	4	4	1	5	-	.58	.58	.14	.72	-	38	38
FINGER(S)-----	-	-	1	5	6	6	3	9	-	.86	.86	.43	1.30	-	42	42
UPPER EXTREMITIES, NEC----	-	-	-	4	4	4	2	6	-	.58	.58	.29	.86	-	19	19
ABDOMEN-----	-	-	-	1	1	1	-	1	-	.14	.14	-	.14	-	1	1
BACK-----	-	-	-	19	19	19	2	21	-	2.74	2.74	.29	3.03	-	105	105
CHEST-----	-	-	-	2	2	2	-	2	-	.29	.29	-	.29	-	12	12
PELVIC REGION-----	-	-	2	3	5	5	-	5	-	.72	.72	-	.72	-	26	26
SHOULDER(S)-----	-	-	-	5	5	5	1	6	-	.72	.72	.14	.86	-	20	20
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	.14	.14	-	.14	-	7	7
KNEE-----	-	-	-	8	8	8	1	9	-	1.15	1.15	.14	1.30	-	32	32
ANKLE-----	-	-	-	4	4	4	-	4	-	.58	.58	-	.58	-	5	5
FOOT-----	-	-	-	3	3	3	1	4	-	.43	.43	.14	.58	-	34	34
LOWER EXTREMITIES, NEC----	-	-	-	3	3	3	-	3	-	.43	.43	-	.43	-	15	15
BODY SYSTEMS-----	2	-	-	-	-	2	-	2	.29	-	.29	-	.29	1,730	-	1,730
MULTIPLE PARTS OF BODY----	-	1	-	4	5	5	1	6	-	.72	.72	.14	.86	-	876	876
TOTAL OR AVERAGE-----	2	1	3	80	84	86	15	101	.29	12.11	12.40	2.16	14.56	1,730	1,260	2,990

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, 1990 (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, ALL MINES AND PLANTS:	-	-	-	13	13	13	2	15	-	.70	.70	.11	.81	-	1	1
EYE-----	-	-	-	1	1	1	-	1	-	.05	.05	-	.05	-	1	1
JAW-----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	.05	.05	-	.05	-	(*)	(*)
NECK-----	-	-	-	3	3	3	-	3	-	.16	.16	-	.16	-	3	3
ELBOW-----	-	-	-	4	4	4	1	5	-	.22	.22	.05	.27	-	5	5
FOREARM-----	-	-	-	-	-	-	3	3	-	-	-	.16	.16	-	-	-
WRIST-----	-	-	-	4	4	4	-	4	-	.22	.22	-	.22	-	15	15
HAND-----	-	-	-	5	5	5	4	9	-	.27	.27	.22	.49	-	15	15
FINGER(S)-----	-	-	1	15	16	16	7	23	-	.87	.87	.38	1.25	-	29	29
UPPER EXTREMITIES, NEC-----	-	-	-	4	4	4	4	8	-	.22	.22	.22	.43	-	7	7
ABDOMEN-----	-	-	-	2	2	2	-	2	-	.11	.11	-	.11	-	3	3
BACK-----	-	-	-	46	46	46	5	51	-	2.49	2.49	.27	2.76	-	154	154
CHEST-----	-	-	-	6	6	6	1	7	-	.32	.32	.05	.38	-	16	16
PELVIC REGION-----	-	-	4	7	11	11	-	11	-	.60	.60	-	.60	-	17	17
SHOULDER(S)-----	-	-	-	8	8	8	1	9	-	.43	.43	.05	.49	-	11	11
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	.05	.05	-	.05	-	3	3
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
KNEE-----	-	-	-	20	20	20	1	21	-	1.08	1.08	.05	1.14	-	43	43
LOWER LEG-----	-	-	-	2	2	2	-	2	-	.11	.11	-	.11	-	(*)	(*)
ANKLE-----	-	-	-	8	8	8	-	8	-	.43	.43	-	.43	-	3	3
FOOT-----	-	-	-	5	5	5	1	6	-	.27	.27	.05	.32	-	18	18
TOE(S)-----	-	-	-	1	1	1	-	1	-	.05	.05	-	.05	-	(*)	(*)
LOWER EXTREMITIES, NEC-----	-	-	-	4	4	4	-	4	-	.22	.22	-	.22	-	9	9
BODY SYSTEMS-----	2	-	-	1	1	3	1	4	.11	.05	.16	.05	.22	650	2	651
MULTIPLE PARTS OF BODY-----	-	1	-	24	25	25	3	28	-	1.35	1.35	.16	1.52	-	467	467
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	.11	10.34	10.45	2.06	12.51	650	823	1,472

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, 1990 (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													
GRAND TOTAL OR AVERAGE:	-	-	-	13	13	13	2	15	-	.67	.67	.10	.77	-	1	1
EYE-----	-	-	-	1	1	1	-	1	-	.05	.05	-	.05	-	1	1
JAW-----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	.05	.05	-	.05	-	(*)	(*)
NECK-----	-	-	-	3	3	3	-	3	-	.15	.15	-	.15	-	3	3
ELBOW-----	-	-	-	4	4	4	1	5	-	.21	.21	.05	.26	-	5	5
FOREARM-----	-	-	-	-	-	-	3	3	-	-	-	.15	.15	-	-	-
WRIST-----	-	-	-	4	4	4	-	4	-	.21	.21	-	.21	-	15	15
HAND-----	-	-	-	5	5	5	4	9	-	.26	.26	.21	.46	-	14	14
FINGER(S)-----	-	-	1	15	16	16	7	23	-	.82	.82	.36	1.18	-	28	28
UPPER EXTREMITIES, NEC-----	-	-	-	4	4	4	4	8	-	.21	.21	.21	.41	-	7	7
ABDOMEN-----	-	-	-	2	2	2	-	2	-	.10	.10	-	.10	-	3	3
BACK-----	-	-	-	46	46	46	5	51	-	2.36	2.36	.26	2.62	-	146	146
CHEST-----	-	-	-	6	6	6	1	7	-	.31	.31	.05	.36	-	15	15
PELVIC REGION-----	-	-	4	7	11	11	-	11	-	.56	.56	-	.56	-	16	16
SHOULDER(S)-----	-	-	-	8	8	8	1	9	-	.41	.41	.05	.46	-	10	10
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	.05	.05	-	.05	-	2	2
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
KNIFE-----	-	-	-	20	20	20	1	21	-	1.03	1.03	.05	1.08	-	41	41
LOWER LEG-----	-	-	-	2	2	2	-	2	-	.10	.10	-	.10	-	(*)	(*)
ANKLE-----	-	-	-	8	8	8	-	8	-	.41	.41	-	.41	-	2	2
FOOT-----	-	-	-	5	5	5	1	6	-	.26	.26	.05	.31	-	17	17
TOE(S)-----	-	-	-	1	1	1	-	1	-	.05	.05	-	.05	-	(*)	(*)
LOWER EXTREMITIES, NEC-----	-	-	-	4	4	4	-	4	-	.21	.21	-	.21	-	8	8
BODY SYSTEMS-----	2	-	-	1	1	3	1	4	.10	.05	.15	.05	.21	616	1	617
MULTIPLE PARTS OF BODY-----	-	1	-	24	25	25	3	28	-	1.28	1.28	.15	1.44	-	442	442
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	.10	9.80	9.90	1.95	11.85	616	779	1,395

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, 1990

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													
UNDERGROUND MINES:																
UNDERGROUND:																
EAR-----	-	-	-	27	27	27	35	62	-	.04	.04	.05	.09	-	1	1
EYE-----	-	-	1	215	216	216	146	362	-	.32	.32	.22	.54	-	6	6
JAW-----	-	-	-	14	14	14	17	31	-	.02	.02	.03	.05	-	(*)	(*)
MOUTH/TEETH/TONGUE----	-	-	-	29	29	29	62	91	-	.04	.04	.09	.14	-	(*)	(*)
NOSE-----	-	-	-	26	26	26	23	49	-	.04	.04	.03	.07	-	1	1
SCALP-----	-	-	-	4	4	4	-	4	-	.01	.01	-	.01	-	(*)	(*)
SKULL-----	1	-	-	1	1	2	-	2	(*)	(*)	(*)	-	(*)	9	(*)	9
FACE, NEC-----	-	-	-	56	56	56	47	103	-	.08	.08	.07	.15	-	2	2
HEAD, NEC-----	9	1	1	122	124	133	94	227	.01	.19	.20	.14	.34	81	15	95
NECK-----	-	-	-	347	347	347	57	404	-	.52	.52	.09	.60	-	24	24
UPPER ARM-----	-	-	-	18	18	18	6	24	-	.03	.03	.01	.04	-	1	1
ELBOW-----	-	-	-	111	111	111	18	129	-	.17	.17	.03	.19	-	5	5
FOREARM-----	-	-	1	61	62	62	61	123	-	.09	.09	.09	.18	-	8	8
WRIST-----	-	-	-	136	136	136	36	172	-	.20	.20	.05	.26	-	8	8
HAND-----	-	-	-	290	290	290	162	452	-	.43	.43	.24	.68	-	10	10
FINGER(S)-----	-	-	37	783	820	820	577	1,397	-	1.23	1.23	.86	2.09	-	40	40
UPPER EXTREMITIES, NEC--	-	-	-	149	149	149	58	207	-	.22	.22	.09	.31	-	7	7
ABDOMEN-----	-	-	-	38	38	38	3	41	-	.06	.06	(*)	.06	-	1	1
BACK-----	1	-	12	2,533	2,545	2,546	182	2,728	(*)	3.80	3.80	.27	4.08	9	225	234
CHEST-----	5	-	-	164	164	169	33	202	.01	.24	.25	.05	.30	45	5	50
PELVIC REGION-----	-	-	87	214	301	301	14	315	-	.45	.45	.02	.47	-	23	23
SHOULDER(S)-----	-	-	1	310	311	311	34	345	-	.46	.46	.05	.52	-	19	19
TRUNK, NEC-----	3	-	-	153	153	156	14	170	(*)	.23	.23	.02	.25	27	8	35
THIGH-----	-	-	-	50	50	50	18	68	-	.07	.07	.03	.10	-	2	2
KNEE-----	-	-	1	826	827	827	61	888	-	1.24	1.24	.09	1.33	-	57	57
LOWER LEG-----	-	-	1	99	100	100	13	113	-	.15	.15	.02	.17	-	11	11
ANKLE-----	-	-	-	322	322	322	10	332	-	.48	.48	.01	.50	-	14	14
FOOT-----	-	-	1	394	395	395	43	438	-	.59	.59	.06	.65	-	20	20
TOE(S)-----	-	-	2	49	51	51	14	65	-	.08	.08	.02	.10	-	3	3
LOWER EXTREMITIES, NEC--	-	-	2	230	232	232	37	269	-	.35	.35	.06	.40	-	20	20
BODY SYSTEMS-----	5	-	-	26	26	31	5	36	.01	.04	.05	.01	.05	45	1	46
MULTIPLE PARTS OF BODY--	19	1	10	587	598	617	60	677	.03	.89	.92	.09	1.01	170	99	269
UNCLASSIFIED-----	-	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	43	2	157	8,385	8,544	8,587	1,940	10,527	.06	12.76	12.83	2.90	15.73	385	637	1,022

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL											
		TOTAL	PARTIAL													
SURFACE AT UNDERGROUND:																
EAR-----	-	-	-	1	1	1	3	4	-	.01	.01	.04	.06	-	(*)	(*)
EYE-----	-	-	-	24	24	24	27	51	-	.35	.35	.39	.74	-	4	4
JAW-----	-	-	-	1	1	1	4	5	-	.01	.01	.06	.07	-	2	2
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	4	4	-	-	-	.06	.06	-	-	-
NOSE-----	-	-	-	1	1	1	3	4	-	.01	.01	.04	.06	-	(*)	(*)
SCALP-----	-	-	-	-	-	-	2	2	-	-	-	.03	.03	-	-	-
FACE, NEC-----	-	-	-	5	5	5	4	9	-	.07	.07	.06	.13	-	1	1
HEAD, NEC-----	-	-	-	11	11	11	16	27	-	.16	.16	.23	.39	-	2	2
NECK-----	-	-	-	8	8	8	1	9	-	.12	.12	.01	.13	-	5	5
ELBOW-----	-	-	-	5	5	5	2	7	-	.07	.07	.03	.10	-	2	2
FOREARM-----	-	-	-	3	3	3	3	6	-	.04	.04	.04	.09	-	(*)	(*)
WRIST-----	-	-	-	12	12	12	7	19	-	.17	.17	.10	.28	-	7	7
HAND-----	-	-	-	14	14	14	19	33	-	.20	.20	.28	.48	-	10	10
FINGER(S)-----	-	-	7	50	57	57	82	139	-	.83	.83	1.19	2.01	-	25	25
UPPER EXTREMITIES, NEC-----	-	-	-	6	6	6	5	11	-	.09	.09	.07	.16	-	3	3
ABDOMEN-----	-	-	-	3	3	3	-	3	-	.04	.04	-	.04	-	(*)	(*)
BACK-----	-	-	1	198	199	199	21	220	-	2.88	2.88	.30	3.19	-	166	166
CHEST-----	-	-	-	15	15	15	2	17	-	.22	.22	.03	.25	-	5	5
PELVIC REGION-----	-	-	8	13	21	21	-	21	-	.30	.30	-	.30	-	11	11
SHOULDER(S)-----	-	-	-	13	13	13	4	17	-	.19	.19	.06	.25	-	3	3
TRUNK, NEC-----	-	-	-	8	8	8	1	9	-	.12	.12	.01	.13	-	8	8
THIGH-----	-	-	-	3	3	3	4	7	-	.04	.04	.06	.10	-	(*)	(*)
KNEE-----	-	-	-	57	57	57	4	61	-	.83	.83	.06	.88	-	44	44
LOWER LEG-----	-	-	-	9	9	9	3	12	-	.13	.13	.04	.17	-	4	4
ANKLE-----	-	-	-	19	19	19	2	21	-	.28	.28	.03	.30	-	5	5
FOOT-----	-	-	-	37	37	37	4	41	-	.54	.54	.06	.59	-	10	10
TOE(S)-----	-	-	-	6	6	6	4	10	-	.09	.09	.06	.14	-	2	2
LOWER EXTREMITIES, NEC-----	-	-	-	19	19	19	4	23	-	.28	.28	.06	.33	-	9	9
BODY SYSTEMS-----	1	-	-	5	5	6	1	7	.01	.07	.09	.01	.10	87	1	88
MULTIPLE PARTS OF BODY-----	1	-	1	32	33	34	3	37	.01	.48	.49	.04	.54	87	55	142
TOTAL OR AVERAGE-----	2	-	17	578	595	597	239	836	.03	8.61	8.64	3.46	12.10	174	385	558

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, 1990 (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													
TOTAL OR AVERAGE, UG:	-	-	-	28	28	28	38	66	-	.04	.04	.05	.09	-	1	1
EAR-----	-	-	-	239	240	240	173	413	-	.32	.32	.23	.56	-	6	6
EYE-----	-	-	1	15	15	15	21	36	-	.02	.02	.03	.05	-	1	1
JAW-----	-	-	-	29	29	29	66	95	-	.04	.04	.09	.13	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	27	27	27	26	53	-	.04	.04	.04	.07	-	1	1
NOSE-----	-	-	-	4	4	4	2	6	-	.01	.01	(*)	.01	-	(*)	(*)
SCALP-----	-	-	-	1	1	2	-	2	(*)	(*)	(*)	-	(*)	8	(*)	8
SKULL-----	1	-	-	61	61	61	51	112	-	.08	.08	.07	.15	-	2	2
FACE, NEC-----	-	-	-	133	135	144	110	254	.01	.18	.20	.15	.34	73	14	87
HEAD, NEC-----	9	1	1	355	355	355	58	413	-	.48	.48	.08	.56	-	22	22
NECK-----	-	-	-	18	18	18	6	24	-	.02	.02	.01	.03	-	1	1
UPPER ARM-----	-	-	-	116	116	116	20	136	-	.16	.16	.03	.18	-	4	4
ELBOW-----	-	-	-	64	65	65	64	129	-	.09	.09	.09	.17	-	7	7
FOREARM-----	-	-	1	148	148	148	43	191	-	.20	.20	.06	.26	-	8	8
WRIST-----	-	-	-	304	304	304	181	485	-	.41	.41	.25	.66	-	10	10
HAND-----	-	-	-	833	877	877	659	1,536	-	1.19	1.19	.89	2.08	-	39	39
FINGER(S)-----	-	-	44	155	155	155	63	218	-	.21	.21	.09	.30	-	7	7
UPPER EXTREMITIES, NEC-----	-	-	-	41	41	41	3	44	-	.06	.06	(*)	.06	-	1	1
ABDOMEN-----	-	-	-	2,731	2,744	2,745	203	2,948	(*)	3.72	3.72	.27	3.99	8	219	228
BACK-----	1	-	13	179	179	184	35	219	.01	.24	.25	.05	.30	41	5	46
CHEST-----	5	-	-	227	322	322	14	336	-	.44	.44	.02	.46	-	22	22
PELVIC REGION-----	-	-	95	323	324	324	38	362	-	.44	.44	.05	.49	-	18	18
SHOULDER(S)-----	-	-	1	161	161	164	15	179	(*)	.22	.22	.02	.24	24	8	32
TRUNK, NEC-----	3	-	-	53	53	53	22	75	-	.07	.07	.03	.10	-	2	2
THIGH-----	-	-	-	883	884	884	65	949	-	1.20	1.20	.09	1.29	-	56	56
KNEE-----	-	-	1	108	109	109	16	125	-	.15	.15	.02	.17	-	10	10
LOWER LEG-----	-	-	-	341	341	341	12	353	-	.46	.46	.02	.48	-	13	13
ANKLE-----	-	-	-	431	432	432	47	479	-	.59	.59	.06	.65	-	19	19
FOOT-----	-	-	1	55	57	57	18	75	-	.08	.08	.02	.10	-	3	3
TOE(S)-----	-	-	2	249	251	251	41	292	-	.34	.34	.06	.40	-	19	19
LOWER EXTREMITIES, NEC-----	-	-	-	31	31	37	6	43	.01	.04	.05	.01	.06	49	1	50
BODY SYSTEMS-----	6	-	-	619	631	651	63	714	.03	.85	.88	.09	.97	163	95	257
MULTIPLE PARTS OF BODY-----	20	1	11	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	45	2	174	8,963	9,139	9,184	2,179	11,363	.06	12.38	12.44	2.95	15.39	366	613	979

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL											
		TOTAL	PARTIAL													
SURFACE MINES:																
STRIP:																
EAR-----	-	-	-	6	6	6	4	10	-	.01	.01	.01	.02	-	(*)	(*)
EYE-----	-	-	-	72	72	72	115	187	-	.16	.16	.26	.42	-	2	2
JAW-----	-	-	-	5	5	5	4	9	-	.01	.01	.01	.02	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	4	4	4	25	29	-	.01	.01	.06	.06	-	(*)	(*)
NOSE-----	-	-	-	2	2	2	4	6	-	(*)	(*)	.01	.01	-	(*)	(*)
SCALP-----	-	-	-	1	1	1	4	5	-	(*)	(*)	.01	.01	-	(*)	(*)
SKULL-----	1	-	-	1	1	2	-	2	(*)	(*)	(*)	-	(*)	13	(*)	13
FACE, NEC-----	-	-	-	10	10	10	15	25	-	.02	.02	.03	.06	-	(*)	(*)
HEAD, NEC-----	-	-	-	33	33	33	68	101	-	.07	.07	.15	.22	-	2	2
NECK-----	-	-	-	33	33	33	14	47	-	.07	.07	.03	.10	-	3	3
UPPER ARM-----	-	-	-	4	4	4	1	5	-	.01	.01	(*)	.01	-	(*)	(*)
ELBOW-----	-	-	-	29	29	29	16	45	-	.06	.06	.04	.10	-	2	2
FOREARM-----	-	-	-	10	10	10	11	21	-	.02	.02	.02	.05	-	1	1
WRIST-----	-	-	-	27	27	27	9	36	-	.06	.06	.02	.08	-	1	1
HAND-----	-	-	1	47	48	48	52	100	-	.11	.11	.12	.22	-	2	2
FINGER(S)-----	-	-	7	98	105	105	180	285	-	.23	.23	.40	.63	-	5	5
UPPER EXTREMITIES, NEC-----	-	-	-	33	33	33	20	53	-	.07	.07	.04	.12	-	2	2
ABDOMEN-----	-	-	-	13	13	13	2	15	-	.03	.03	(*)	.03	-	1	1
BACK-----	-	-	-	458	458	458	66	524	-	1.02	1.02	.15	1.16	-	40	40
CHEST-----	1	-	-	40	40	41	8	49	(*)	.09	.09	.02	.11	13	1	15
PELVIC REGION-----	-	-	20	32	52	52	3	55	-	.12	.12	.01	.12	-	11	11
SHOULDER(S)-----	-	-	-	55	55	55	10	65	-	.12	.12	.02	.14	-	5	5
TRUNK, NEC-----	-	-	-	30	30	30	6	36	-	.07	.07	.01	.08	-	3	3
THIGH-----	-	-	-	10	10	10	15	25	-	.02	.02	.03	.06	-	(*)	(*)
KNEE-----	-	-	-	117	117	117	24	141	-	.26	.26	.05	.31	-	8	8
LOWER LEG-----	-	-	-	21	21	21	9	30	-	.05	.05	.02	.07	-	2	2
ANKLE-----	-	-	-	103	103	103	9	112	-	.23	.23	.02	.25	-	4	4
FOOT-----	-	-	-	53	53	53	8	61	-	.12	.12	.02	.14	-	4	4
TOE(S)-----	-	-	-	12	12	12	4	16	-	.03	.03	.01	.04	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	1	45	46	46	21	67	-	.10	.10	.05	.15	-	11	11
BODY SYSTEMS-----	3	-	-	9	9	12	3	15	.01	.02	.03	.01	.03	40	(*)	40
MULTIPLE PARTS OF BODY-----	4	-	3	148	151	155	42	197	.01	.34	.34	.09	.44	53	36	89
UNCLASSIFIED-----	-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	9	-	32	1,563	1,595	1,604	772	2,376	.02	3.54	3.56	1.71	5.27	120	147	267

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, 1990 (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													
AUGER:																
EAR-----	-	-	-	-	-	-	1	1	-	-	-	.32	.32	-	-	-
EYE-----	-	-	-	1	1	1	2	3	-	.32	.32	.64	.96	-	1	1
HEAD, NEC-----	-	-	-	1	1	1	1	2	-	.32	.32	.32	.64	-	14	14
NECK-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	17	17
HAND-----	-	-	-	1	1	1	1	2	-	.32	.32	.32	.64	-	2	2
FINGER(S)-----	-	-	1	3	4	4	2	6	-	1.27	1.27	.64	1.91	-	35	35
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	1	1
BACK-----	-	-	-	6	6	6	-	6	-	1.91	1.91	-	1.91	-	180	180
CHEST-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	7	7
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	5	5
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	49	49
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	13	13
KNEE-----	-	-	-	3	3	3	-	3	-	.96	.96	-	.96	-	5	5
LOWER LEG-----	-	-	-	1	1	1	1	2	-	.32	.32	.32	.64	-	4	4
ANKLE-----	-	-	-	-	-	-	1	1	-	-	-	.32	.32	-	-	-
FOOT-----	-	-	-	3	3	3	-	3	-	.96	.96	-	.96	-	32	32
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	.32	.32	-	.32	-	30	30
MULTIPLE PARTS OF BODY-----	-	-	1	1	2	2	1	3	-	.64	.64	.32	.96	-	383	383
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	9.23	9.23	3.18	12.42	-	777	777
CULM BANK:																
EYE-----	-	-	-	1	1	1	-	1	-	.72	.72	-	.72	-	1	1
FINGER(S)-----	-	-	-	1	1	1	-	1	-	.72	.72	-	.72	-	22	22
BACK-----	-	-	-	4	4	4	-	4	-	2.90	2.90	-	2.90	-	178	178
CHEST-----	-	-	-	3	3	3	-	3	-	2.17	2.17	-	2.17	-	24	24
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	.72	.72	-	.72	-	1	1
TOTAL OR AVERAGE-----	-	-	-	10	10	10	-	10	-	7.24	7.24	-	7.24	-	227	227
DREDGE:																
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	1.29	1.29	-	1.29	-	23	23
BACK-----	-	-	-	1	1	1	-	1	-	1.29	1.29	-	1.29	-	10	10
FOOT-----	-	-	-	1	1	1	-	1	-	1.29	1.29	-	1.29	-	3	3
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	3.86	3.86	-	3.86	-	36	36

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, 1990 (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													
TOTAL OR AVERAGE, SURFACE:																
EAR-----	-	-	-	6	6	6	5	11	-	.01	.01	.01	.02	-	(*)	(*)
EYE-----	-	-	-	74	74	74	117	191	-	.16	.16	.26	.42	-	2	2
JAW-----	-	-	-	5	5	5	4	9	-	.01	.01	.01	.02	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	4	4	4	25	29	-	.01	.01	.05	.06	-	(*)	(*)
NOSE-----	-	-	-	2	2	2	4	6	-	(*)	(*)	.01	.01	-	(*)	(*)
SCALP-----	-	-	-	1	1	1	4	5	-	(*)	(*)	.01	.01	-	(*)	(*)
SKULL-----	1	-	-	1	1	2	-	2	(+)	(*)	(*)	-	(*)	13	(*)	13
FACE, NEC-----	-	-	-	10	10	10	15	25	-	.02	.02	.03	.05	-	(*)	(*)
HEAD, NEC-----	-	-	-	35	35	35	69	104	-	.08	.08	.15	.23	-	2	2
NECK-----	-	-	-	34	34	34	14	48	-	.07	.07	.03	.11	-	3	3
UPPER ARM-----	-	-	-	4	4	4	1	5	-	.01	.01	(*)	.01	-	(*)	(*)
ELBOW-----	-	-	-	29	29	29	16	45	-	.06	.06	.04	.10	-	2	2
FOREARM-----	-	-	-	10	10	10	11	21	-	.02	.02	.02	.05	-	1	1
WRIST-----	-	-	-	27	27	27	9	36	-	.06	.06	.02	.08	-	1	1
HAND-----	-	-	1	48	49	49	53	102	-	.11	.11	.12	.22	-	2	2
FINGER(S)-----	-	-	8	102	110	110	182	292	-	.24	.24	.40	.64	-	5	5
UPPER EXTREMITIES, NEC-----	-	-	-	34	34	34	20	54	-	.07	.07	.04	.12	-	2	2
ABDOMEN-----	-	-	-	13	13	13	2	15	-	.03	.03	(*)	.03	-	1	1
BACK-----	-	-	-	469	469	469	66	535	-	1.03	1.03	.14	1.17	-	42	42
CHEST-----	1	-	-	44	44	45	8	53	(+)	.10	.10	.02	.12	13	2	15
PELVIC REGION-----	-	-	20	34	54	54	3	57	-	.12	.12	.01	.13	-	11	11
SHOULDER(S)-----	-	-	-	56	56	56	10	66	-	.12	.12	.02	.14	-	5	5
TRUNK, NEC-----	-	-	-	31	31	31	6	37	-	.07	.07	.01	.08	-	3	3
THIGH-----	-	-	-	10	10	10	15	25	-	.02	.02	.03	.05	-	(*)	(*)
KNEE-----	-	-	-	120	120	120	24	144	-	.26	.26	.05	.32	-	8	8
LOWER LEG-----	-	-	-	22	22	22	10	32	-	.05	.05	.02	.07	-	2	2
ANKLE-----	-	-	-	103	103	103	10	113	-	.23	.23	.02	.25	-	4	4
FOOT-----	-	-	-	57	57	57	8	65	-	.13	.13	.02	.14	-	4	4
TOE(S)-----	-	-	-	12	12	12	4	16	-	.03	.03	.01	.04	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	1	46	47	47	21	68	-	.10	.10	.05	.15	-	11	11
BODY SYSTEMS-----	3	-	-	9	9	12	3	15	.01	.02	.03	.01	.03	39	(*)	40
MULTIPLE PARTS OF BODY-----	4	-	4	149	153	157	43	200	.01	.34	.34	.09	.44	53	38	90
UNCLASSIFIED-----	-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	9	-	34	1,603	1,637	1,646	782	2,428	.02	3.59	3.61	1.72	5.33	118	152	270

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, 1990 (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, MINING:																
EAR-----	-	-	-	34	34	34	43	77	-	.03	.03	.04	.06	-	(*)	(*)
EYE-----	-	-	1	313	314	314	290	604	-	.26	.26	.24	.51	-	4	4
JAW-----	-	-	-	20	20	20	25	45	-	.02	.02	.02	.04	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	33	33	33	91	124	-	.03	.03	.08	.10	-	(*)	(*)
NOSE-----	-	-	-	29	29	29	30	59	-	.02	.02	.03	.05	-	1	1
SCALP-----	-	-	-	5	5	5	6	11	-	(*)	(*)	.01	.01	-	(*)	(*)
SKULL-----	2	-	-	2	2	4	-	4	(*)	(*)	(*)	-	(*)	10	(*)	10
FACE, NEC-----	-	-	-	71	71	71	66	137	-	.06	.06	.06	.11	-	1	1
HEAD, NEC-----	9	1	1	168	170	179	179	358	.01	.14	.15	.15	.30	45	9	54
NECK-----	-	-	-	389	389	389	72	461	-	.33	.33	.06	.39	-	15	15
UPPER ARM-----	-	-	-	22	22	22	7	29	-	.02	.02	.01	.02	-	1	1
ELBOW-----	-	-	-	145	145	145	36	181	-	.12	.12	.03	.15	-	3	3
FOREARM-----	-	-	1	74	75	75	75	150	-	.06	.06	.06	.13	-	5	5
WRIST-----	-	-	-	175	175	175	52	227	-	.15	.15	.04	.19	-	5	5
HAND-----	-	-	1	352	353	353	234	587	-	.30	.30	.20	.49	-	7	7
FINGER(S)-----	-	-	52	935	987	987	841	1,828	-	.83	.83	.70	1.53	-	26	26
UPPER EXTREMITIES, NEC-----	-	-	-	189	189	189	83	272	-	.16	.16	.07	.23	-	5	5
ABDOMEN-----	-	-	-	54	54	54	5	59	-	.05	.05	(*)	.05	-	1	1
BACK-----	1	-	13	3,200	3,213	3,214	269	3,483	(*)	2.69	2.69	.23	2.92	5	152	157
CHEST-----	6	-	-	223	223	229	43	272	.01	.19	.19	.04	.23	30	4	34
PELVIC REGION-----	-	-	115	261	376	376	17	393	-	.31	.31	.01	.33	-	18	18
SHOULDER(S)-----	-	-	1	379	380	380	48	428	-	.32	.32	.04	.36	-	13	13
TRUNK, NEC-----	3	-	-	192	192	195	21	216	(*)	.16	.16	.02	.18	15	6	21
THIGH-----	-	-	-	63	63	63	37	100	-	.05	.05	.03	.08	-	1	1
KNEE-----	-	-	1	1,003	1,004	1,004	89	1,093	-	.84	.84	.07	.92	-	38	38
LOWER LEG-----	-	-	1	130	131	131	26	157	-	.11	.11	.02	.13	-	7	7
ANKLE-----	-	-	-	444	444	444	22	466	-	.37	.37	.02	.39	-	10	10
FOOT-----	-	-	1	488	489	489	55	544	-	.41	.41	.05	.46	-	13	13
TOE(S)-----	-	-	2	67	69	69	22	91	-	.06	.06	.02	.08	-	2	2
LOWER EXTREMITIES, NEC-----	-	-	3	295	298	298	62	360	-	.25	.25	.05	.30	-	16	16
BODY SYSTEMS-----	9	-	-	40	40	49	9	58	.01	.03	.04	.01	.05	45	1	46
MULTIPLE PARTS OF BODY-----	24	1	15	768	784	808	106	914	.02	.66	.68	.09	.77	121	73	194
UNCLASSIFIED-----	-	-	-	3	3	3	-	3	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	54	2	208	10,566	10,776	10,830	2,961	13,791	.05	9.02	9.07	2.48	11.55	271	437	708

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES								
		PERMANENT		TEMPO- RARY	TOTAL NFDL											
		TOTAL	PARTIAL													
INDEPENDENT SHOPS:																
EYE-----	-	-	-	3	3	3	13	16	-	.29	.29	1.24	1.53	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	2	2	2	-	2	-	.19	.19	-	.19	-	1	1
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	.10	.10	-	-	-
FACE, NEC-----	-	-	-	1	1	1	-	1	-	.10	.10	-	.10	-	(*)	(*)
HEAD, NEC-----	-	-	-	-	-	-	1	1	-	-	-	.10	.10	-	-	-
ELBOW-----	-	-	-	1	1	1	-	1	-	.10	.10	-	.10	-	11	11
FOREARM-----	-	-	-	1	1	1	2	3	-	.10	.10	.19	.29	-	1	1
WRIST-----	-	-	-	-	-	-	1	1	-	-	-	.10	.10	-	-	-
HAND-----	-	-	-	1	1	1	3	4	-	.10	.10	.29	.38	-	(*)	(*)
FINGER(S)-----	-	-	-	12	12	12	16	28	-	1.15	1.15	1.53	2.67	-	30	30
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	.10	.10	-	.10	-	(*)	(*)
ABDOMEN-----	-	-	-	1	1	1	-	1	-	.10	.10	-	.10	-	(*)	(*)
BACK-----	-	-	-	22	22	22	2	24	-	2.10	2.10	.19	2.29	-	51	51
CHEST-----	-	-	-	-	-	-	1	1	-	-	-	.10	.10	-	-	-
PELVIC REGION-----	-	-	2	4	6	6	-	6	-	.57	.57	-	.57	-	12	12
SHOULDER(S)-----	-	-	-	-	-	-	1	1	-	-	-	.10	.10	-	-	-
KNEE-----	-	-	-	7	7	7	-	7	-	.67	.67	-	.67	-	40	40
LOWER LEG-----	-	-	-	1	1	1	-	1	-	.10	.10	-	.10	-	1	1
ANKLE-----	-	-	-	3	3	3	-	3	-	.29	.29	-	.29	-	11	11
FOOT-----	-	-	-	2	2	2	-	2	-	.19	.19	-	.19	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	-	2	2	-	-	-	.19	.19	-	-	-
MULTIPLE PARTS OF BODY-----	1	-	-	5	5	6	2	8	.10	.48	.57	.19	.76	573	28	602
TOTAL OR AVERAGE-----	1	-	2	67	69	70	45	115	.10	6.59	6.69	4.30	10.98	573	190	763

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, 1990 (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:																
EAR-----	-	-	-	2	2	2	3	5	-	.01	.01	.02	.03	-	(*)	(*)
EYE-----	-	-	-	43	43	43	57	100	-	.29	.29	.38	.67	-	1	1
JAW-----	-	-	-	1	1	1	1	2	-	.01	.01	.01	.01	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	9	10	-	.01	.01	.06	.07	-	(*)	(*)
NOSE-----	-	-	-	2	2	2	3	5	-	.01	.01	.02	.03	-	(*)	(*)
SCALP-----	-	-	-	1	1	1	1	2	-	.01	.01	.01	.01	-	(*)	(*)
FACE, NEC-----	-	-	-	8	8	8	7	15	-	.05	.05	.05	.10	-	1	1
HEAD, NEC-----	-	-	-	8	8	8	18	26	-	.05	.05	.12	.18	-	1	1
NECK-----	-	-	-	14	14	14	3	17	-	.09	.09	.02	.11	-	4	4
ELBOW-----	-	-	-	8	8	8	9	17	-	.05	.05	.06	.11	-	2	2
FOREARM-----	-	-	-	7	7	7	9	16	-	.05	.05	.06	.11	-	1	1
WRIST-----	-	-	-	12	12	12	5	17	-	.08	.08	.03	.11	-	4	4
HAND-----	-	-	1	26	27	27	29	56	-	.18	.18	.20	.38	-	24	24
FINGER(S)-----	-	-	7	69	76	76	77	153	-	.51	.51	.52	1.03	-	18	18
UPPER EXTREMITIES, NEC-----	-	-	-	19	19	19	3	22	-	.13	.13	.02	.15	-	4	4
ABDOMEN-----	-	-	-	3	3	3	1	4	-	.02	.02	.01	.03	-	2	2
BACK-----	-	-	-	243	243	243	28	271	-	1.64	1.64	.19	1.83	-	66	66
CHEST-----	-	-	-	16	16	16	6	22	-	.11	.11	.04	.15	-	1	1
PELVIC REGION-----	-	-	13	18	31	31	2	33	-	.21	.21	.01	.22	-	8	8
SHOULDER(S)-----	-	-	-	24	24	24	2	26	-	.16	.16	.01	.18	-	9	9
TRUNK, NEC-----	-	-	-	14	14	14	3	17	-	.09	.09	.02	.11	-	4	4
THIGH-----	-	-	-	3	3	3	4	7	-	.02	.02	.03	.05	-	1	1
KNEE-----	-	-	-	63	63	63	11	74	-	.43	.43	.07	.50	-	15	15
LOWER LEG-----	-	-	1	9	10	10	6	16	-	.07	.07	.04	.11	-	23	23
ANKLE-----	-	-	-	35	35	35	3	38	-	.24	.24	.02	.26	-	6	6
FOOT-----	-	-	-	16	16	16	3	19	-	.11	.11	.02	.13	-	5	5
TOE(S)-----	-	-	1	3	4	4	1	5	-	.03	.03	.01	.03	-	3	3
LOWER EXTREMITIES, NEC-----	-	-	-	24	24	24	-	24	-	.16	.16	-	.16	-	8	8
BODY SYSTEMS-----	1	-	-	5	5	6	6	12	.01	.03	.04	.04	.08	40	1	41
MULTIPLE PARTS OF BODY-----	1	-	3	64	67	68	10	78	.01	.45	.46	.07	.53	40	72	112
UNCLASSIFIED-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
TOTAL OR AVERAGE-----	2	-	26	761	787	789	321	1,110	.01	5.31	5.32	2.17	7.49	81	284	365

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, 1990 (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													
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																
EAR-----	-	-	-	36	36	36	46	82	-	.03	.03	.03	.06	-	(*)	(*)
EYE-----	-	-	1	359	360	360	360	720	-	.27	.27	.27	.53	-	4	4
JAW-----	-	-	-	21	21	21	26	47	-	.02	.02	.02	.03	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	36	36	36	100	136	-	.03	.03	.07	.10	-	(*)	(*)
NOSE-----	-	-	-	31	31	31	33	64	-	.02	.02	.02	.05	-	1	1
SCALP-----	-	-	-	6	6	6	8	14	-	(*)	(*)	.01	.01	-	(*)	(*)
SKULL-----	2	-	-	2	2	4	-	4	(*)	(*)	(*)	-	(*)	9	(*)	9
FACE, NEC-----	-	-	-	80	80	80	73	153	-	.06	.06	.05	.11	-	1	1
HEAD, NEC-----	9	1	1	176	178	187	198	385	.01	.13	.14	.15	.28	40	8	48
NECK-----	-	-	-	403	403	403	75	478	-	.30	.30	.06	.35	-	13	13
UPPER ARM-----	-	-	-	22	22	22	7	29	-	.02	.02	.01	.02	-	(*)	(*)
ELBOW-----	-	-	-	154	154	154	45	199	-	.11	.11	.03	.15	-	3	3
FOREARM-----	-	-	1	82	83	83	86	169	-	.06	.06	.06	.12	-	4	4
WRIST-----	-	-	-	187	187	187	58	245	-	.14	.14	.04	.18	-	5	5
HAND-----	-	-	2	379	381	381	266	647	-	.28	.28	.20	.48	-	9	9
FINGER(S)-----	-	-	59	1,016	1,075	1,075	934	2,009	-	.79	.79	.69	1.48	-	25	25
UPPER EXTREMITIES, NEC-----	-	-	-	209	209	209	86	295	-	.15	.15	.06	.22	-	5	5
ABDOMEN-----	-	-	-	58	58	58	6	64	-	.04	.04	(*)	.05	-	1	1
BACK-----	1	-	13	3,465	3,478	3,479	299	3,778	(*)	2.57	2.57	.22	2.79	4	142	146
CHEST-----	6	-	-	239	239	245	50	295	(*)	.18	.18	.04	.22	27	4	30
PELVIC REGION-----	-	-	130	283	413	413	19	432	-	.31	.31	.01	.32	-	17	17
SHOULDER(S)-----	-	-	1	403	404	404	51	455	-	.30	.30	.04	.34	-	13	13
TRUNK, NEC-----	3	-	-	206	206	209	24	233	(*)	.15	.15	.02	.17	13	6	19
THIGH-----	-	-	-	66	66	66	41	107	-	.05	.05	.03	.08	-	1	1
KNEE-----	-	-	1	1,073	1,074	1,074	100	1,174	-	.79	.79	.07	.87	-	35	35
LOWER LEG-----	-	-	2	140	142	142	32	174	-	.10	.10	.02	.13	-	9	9
ANKLE-----	-	-	-	482	482	482	25	507	-	.36	.36	.02	.37	-	9	9
FOOT-----	-	-	1	506	507	507	58	565	-	.37	.37	.04	.42	-	12	12
TOE(S)-----	-	-	3	70	73	73	23	96	-	.05	.05	.02	.07	-	2	2
LOWER EXTREMITIES, NEC-----	-	-	3	319	322	322	64	386	-	.24	.24	.05	.29	-	15	15
BODY SYSTEMS-----	10	-	-	45	45	55	15	70	.01	.03	.04	.01	.05	44	1	45
MULTIPLE PARTS OF BODY-----	26	1	18	837	856	882	118	1,000	.02	.63	.65	.09	.74	115	72	188
UNCLASSIFIED-----	-	-	-	3	3	3	1	4	-	(*)	(*)	(*)	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	57	2	236	11,394	11,632	11,689	3,327	15,016	.04	8.60	8.64	2.46	11.10	253	418	671
OFFICE:																
HEAD, NEC-----	-	-	-	1	1	1	2	3	-	.01	.01	.03	.04	-	(*)	(*)
WRIST-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
FINGER(S)-----	-	-	-	2	2	2	3	5	-	.03	.03	.04	.07	-	1	1
BACK-----	-	-	-	4	4	4	2	6	-	.06	.06	.03	.09	-	1	1
CHEST-----	-	-	-	1	1	1	1	2	-	.01	.01	.01	.03	-	(*)	(*)
SHOULDER(S)-----	-	-	-	2	2	2	-	2	-	.03	.03	-	.03	-	(*)	(*)
KNEE-----	-	-	-	2	2	2	-	2	-	.03	.03	-	.03	-	(*)	(*)
ANKLE-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
FOOT-----	-	-	-	2	2	2	-	2	-	.03	.03	-	.03	-	(*)	(*)
TOE(S)-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
BODY SYSTEMS-----	-	-	-	2	2	2	-	2	-	.03	.03	-	.03	-	1	1
TOTAL OR AVERAGE-----	-	-	-	17	17	17	11	28	-	.25	.25	.16	.42	-	3	3

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, 1990 (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													
GRAND TOTAL OR AVERAGE:	-	-	-	36	36	36	46	82	-	.03	.03	.03	.06	-	(*)	(*)
EAR-----	-	-	-	359	360	360	360	720	-	.25	.25	.25	.51	-	4	4
EYE-----	-	-	1	21	21	21	26	47	-	.01	.01	.02	.03	-	(*)	(*)
JAW-----	-	-	-	36	36	36	100	136	-	.03	.03	.07	.10	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	31	31	31	33	64	-	.02	.02	.02	.05	-	1	1
NOSE-----	-	-	-	6	6	6	8	14	-	(*)	(*)	.01	.01	-	(*)	(*)
SCALP-----	2	-	-	2	2	4	-	4	(*)	(*)	(*)	-	(*)	8	(*)	9
SKULL-----	-	-	-	80	80	80	73	153	-	.06	.06	.05	.11	-	1	1
FACE, NEC-----	-	-	-	177	179	188	200	388	.01	.13	.13	.14	.27	38	8	46
HEAD, NEC-----	9	1	1	403	403	403	75	478	-	.28	.28	.05	.34	-	13	13
NECK-----	-	-	-	22	22	22	7	29	-	.02	.02	(*)	.02	-	(*)	(*)
UPPER ARM-----	-	-	-	154	154	154	45	199	-	.11	.11	.03	.14	-	3	3
ELBOW-----	-	-	-	82	83	83	86	169	-	.06	.06	.06	.12	-	4	4
FOREARM-----	-	-	1	187	187	187	59	246	-	.13	.13	.04	.17	-	5	5
WRIST-----	-	-	-	379	381	381	266	647	-	.27	.27	.19	.46	-	9	9
HAND-----	-	-	2	1,018	1,077	1,077	937	2,014	-	.76	.76	.66	1.42	-	24	24
FINGER(S)-----	-	-	59	209	209	209	86	295	-	.15	.15	.06	.21	-	5	5
UPPER EXTREMITIES, NEC-----	-	-	-	58	58	58	6	64	-	.04	.04	(*)	.05	-	1	1
ABDOMEN-----	1	-	-	3,469	3,482	3,483	301	3,784	(*)	2.45	2.45	.21	2.67	4	135	139
BACK-----	-	-	13	240	240	246	51	297	(*)	.17	.17	.04	.21	25	3	29
CHEST-----	6	-	-	283	413	413	19	432	-	.29	.29	.01	.30	-	16	16
PELVIC REGION-----	-	-	130	405	406	406	51	457	-	.29	.29	.04	.32	-	12	12
SHOULDER(S)-----	-	-	1	206	206	209	24	233	(*)	.15	.15	.02	.16	13	5	18
TRUNK, NEC-----	3	-	-	66	66	66	41	107	-	.05	.05	.03	.08	-	1	1
THIGH-----	-	-	-	1,075	1,076	1,076	100	1,176	-	.76	.76	.07	.83	-	34	34
KNIFE-----	-	-	1	140	142	142	32	174	-	.10	.10	.02	.12	-	8	8
LOWER LEG-----	-	-	2	483	483	483	25	508	-	.34	.34	.02	.36	-	9	9
ANKLE-----	-	-	-	508	509	509	58	567	-	.36	.36	.04	.40	-	12	12
FOOT-----	-	-	1	70	73	73	24	97	-	.05	.05	.02	.07	-	2	2
TOE(S)-----	-	-	3	319	322	322	65	387	-	.23	.23	.05	.27	-	14	14
LOWER EXTREMITIES, NEC-----	-	-	3	47	47	57	15	72	.01	.03	.04	.01	.05	42	1	43
BODY SYSTEMS-----	10	-	-	837	856	882	118	1,000	.02	.60	.62	.08	.70	110	69	179
MULTIPLE PARTS OF BODY-----	26	1	18	3	3	3	1	4	-	(*)	(*)	(*)	(*)	-	(*)	(*)
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	57	2	236	11,411	11,649	11,706	3,338	15,044	.04	8.21	8.25	2.35	10.60	241	399	640

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, 1990

WORK LOCATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
UNDERGROUND MINES: UNDERGROUND:	-	-	-	27	27	27	35	62	-	-	-	398	398	398	-	15	15
EAR-----	-	-	-	216	217	217	146	363	-	-	1,800	2,197	3,997	3,997	1,800	10	18
EYE-----	-	-	-	14	14	14	17	31	-	-	-	279	279	279	-	20	20
JAW-----	-	-	-	29	29	29	62	91	-	-	-	153	153	153	-	5	5
MOUTH/TEETH/TONGUE-----	-	-	-	26	26	26	23	49	-	-	-	718	718	718	-	28	28
NOSE-----	-	-	-	4	4	4	-	4	-	-	-	4	4	4	-	1	1
SCALP-----	-	-	-	1	1	2	-	2	6,000	-	-	89	89	6,089	-	89	3,044
SKULL-----	1	-	-	56	56	56	47	103	-	-	-	1,527	1,527	1,527	-	27	27
FACE, NEC-----	9	1	1	122	124	133	94	227	54,000	6,000	1,800	2,110	9,910	63,910	1,800	17	481
HEAD, NEC-----	-	-	-	348	348	348	57	405	-	-	-	15,809	15,809	15,809	-	45	45
NECK-----	-	-	-	18	18	18	6	24	-	-	-	535	535	535	-	30	30
UPPER ARM-----	-	-	-	111	111	111	18	129	-	-	-	3,033	3,033	3,033	-	27	27
ELBOW-----	-	-	-	61	62	62	62	124	-	-	3,600	1,795	5,395	5,395	3,600	29	87
FOREARM-----	-	-	1	136	136	136	36	172	-	-	-	5,110	5,110	5,110	-	38	38
WRIST-----	-	-	-	290	290	290	162	452	-	-	-	6,934	6,934	6,934	-	24	24
HAND-----	-	-	-	785	822	822	577	1,399	-	-	8,110	18,866	26,976	26,976	219	24	33
FINGER(S)-----	-	-	37	149	149	149	58	207	-	-	-	4,737	4,737	4,737	-	32	32
UPPER EXTREMITIES, NEC-----	-	-	-	38	38	38	3	41	-	-	-	633	633	633	-	17	17
ABDOMEN-----	1	-	-	2,534	2,546	2,547	182	2,729	6,000	-	24,780	125,876	150,656	156,656	2,065	50	62
BACK-----	5	-	12	164	164	169	33	202	30,000	-	-	3,555	3,555	33,555	-	22	199
CHEST-----	-	-	-	214	302	302	14	316	-	-	5,550	9,647	15,197	15,197	63	45	50
PELVIC REGION-----	-	-	88	310	311	311	34	345	-	-	1,125	11,897	13,022	13,022	1,125	38	42
SHOULDER(S)-----	-	-	1	153	153	156	14	170	18,000	-	-	5,189	5,189	23,189	-	34	149
TRUNK, NEC-----	3	-	-	50	50	50	18	68	-	-	-	1,526	1,526	1,526	-	31	31
THIGH-----	-	-	-	826	827	827	61	888	-	-	50	38,202	38,252	38,252	50	46	46
KNEE-----	-	-	1	99	100	100	13	113	-	-	3,000	4,414	7,414	7,414	3,000	45	74
LOWER LEG-----	-	-	1	322	322	322	10	332	-	-	-	9,278	9,278	9,278	-	29	29
ANKLE-----	-	-	-	394	395	395	43	438	-	-	1,200	12,247	13,447	13,447	1,200	31	34
FOOT-----	-	-	1	49	51	51	14	65	-	-	-	375	1,815	2,190	188	37	43
TOE(S)-----	-	-	2	230	232	232	37	269	-	-	4,200	9,379	13,579	13,579	2,100	41	59
LOWER EXTREMITIES, NEC-----	-	-	2	26	26	31	5	36	30,000	-	-	560	560	30,560	-	22	986
BODY SYSTEMS-----	5	-	-	590	601	620	61	681	114,000	6,000	27,000	33,483	66,483	180,483	2,700	57	291
MULTIPLE PARTS OF BODY-----	19	1	10	1	1	1	-	1	-	-	-	18	18	18	-	18	18
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	43	2	158	8,393	8,553	8,596	1,942	10,538	258,000	12,000	82,590	332,013	426,603	684,603	523	40	80

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SURFACE AT UNDERGROUND:	-	-	-	1	1	1	3	4	-	-	-	19	19	19	-	19	19
EAR-----	-	-	-	24	24	24	27	51	-	-	-	292	292	292	-	12	12
EYE-----	-	-	-	1	1	1	4	5	-	-	-	105	105	105	-	105	105
JAW-----	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	3	4	-	-	-	-	-	-	-	-	-
NOSE-----	-	-	-	1	1	1	2	2	-	-	-	4	4	4	-	4	4
SCALP-----	-	-	-	-	-	-	4	2	-	-	-	-	-	-	-	-	-
FACE, NEC-----	-	-	-	5	5	5	4	9	-	-	-	47	47	47	-	9	9
HEAD, NEC-----	-	-	-	11	11	11	16	27	-	-	-	170	170	170	-	15	15
NECK-----	-	-	-	8	8	8	1	9	-	-	-	324	324	324	-	40	40
ELBOW-----	-	-	-	5	5	5	2	7	-	-	-	130	130	130	-	26	26
FOREARM-----	-	-	-	3	3	3	3	6	-	-	-	21	21	21	-	7	7
WRIST-----	-	-	-	12	12	12	7	19	-	-	-	517	517	517	-	43	43
HAND-----	-	-	-	14	14	14	19	33	-	-	-	703	703	703	-	50	50
FINGER(S)-----	-	-	7	51	58	58	82	140	-	-	885	827	1,712	1,712	126	16	30
UPPER EXTREMITIES, NEC--	-	-	-	6	6	6	5	11	-	-	-	204	204	204	-	34	34
ABDOMEN-----	-	-	-	3	3	3	-	3	-	-	-	31	31	31	-	10	10
BACK-----	-	-	1	198	199	199	21	220	-	-	3,000	8,454	11,454	11,454	3,000	43	58
CHEST-----	-	-	-	15	15	15	2	17	-	-	-	326	326	326	-	22	22
PELVIC REGION-----	-	-	8	13	21	21	-	21	-	-	400	348	748	748	50	27	36
SHOULDER(S)-----	-	-	-	14	14	14	4	18	-	-	-	242	242	242	-	17	17
TRUNK, NEC-----	-	-	-	8	8	8	1	9	-	-	-	520	520	520	-	65	65
THIGH-----	-	-	-	3	3	3	4	7	-	-	-	7	7	7	-	2	2
KNEE-----	-	-	-	57	57	57	4	61	-	-	-	3,064	3,064	3,064	-	54	54
LOWER LEG-----	-	-	-	9	9	9	3	12	-	-	-	265	265	265	-	29	29
ANKLE-----	-	-	-	19	19	19	2	21	-	-	-	343	343	343	-	18	18
FOOT-----	-	-	-	37	37	37	4	41	-	-	-	663	663	663	-	18	18
TOE(S)-----	-	-	-	6	6	6	4	10	-	-	-	136	136	136	-	23	23
LOWER EXTREMITIES, NEC--	-	-	-	19	19	19	4	23	-	-	-	642	642	642	-	34	34
BODY SYSTEMS-----	1	-	-	5	5	6	2	8	6,000	-	-	79	79	6,079	-	16	1,013
MULTIPLE PARTS OF BODY--	1	-	1	32	33	34	3	37	6,000	-	1,200	2,609	3,809	9,809	1,200	82	288
TOTAL OR AVERAGE-----	2	-	17	580	597	599	240	839	12,000	-	5,485	21,092	26,577	38,577	323	36	64

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS							AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, UG:	-	-	-	28	28	28	38	66	-	-	-	417	417	417	-	15	15
EAR-----	-	-	-	240	241	241	173	414	-	-	1,800	2,489	4,289	4,289	1,800	10	18
EYE-----	-	-	1	15	15	15	21	36	-	-	-	384	384	384	-	26	26
JAW-----	-	-	-	29	29	29	66	95	-	-	-	153	153	153	-	5	5
MOUTH/TEETH/TONGUE-----	-	-	-	27	27	27	26	53	-	-	-	722	722	722	-	27	27
NOSE-----	-	-	-	4	4	4	2	6	-	-	-	4	4	4	-	1	1
SCALP-----	1	-	-	1	1	2	-	2	6,000	-	-	89	89	6,089	-	89	3,044
SKULL-----	-	-	-	61	61	61	51	112	-	-	-	1,574	1,574	1,574	-	26	26
FACE, NEC-----	9	1	1	133	135	144	110	254	54,000	6,000	1,800	2,280	10,080	64,080	1,800	17	445
HEAD, NEC-----	-	-	-	356	356	356	58	414	-	-	-	16,133	16,133	16,133	-	45	45
NECK-----	-	-	-	18	18	18	6	24	-	-	-	535	535	535	-	30	30
UPPER ARM-----	-	-	-	116	116	116	20	136	-	-	-	3,163	3,163	3,163	-	27	27
ELBOW-----	-	-	-	64	65	65	65	130	-	-	-	1,816	5,416	5,416	3,600	28	83
FOREARM-----	-	-	1	148	148	148	43	191	-	-	3,600	5,627	5,627	5,627	-	38	38
WRIST-----	-	-	-	304	304	304	181	485	-	-	-	7,637	7,637	7,637	-	25	25
HAND-----	-	-	-	836	880	880	659	1,539	-	-	8,995	19,693	28,688	28,688	204	24	33
FINGER(S)-----	-	-	44	155	155	155	63	218	-	-	-	4,941	4,941	4,941	-	32	32
UPPER EXTREMITIES, NEC-----	-	-	-	41	41	41	3	44	-	-	-	664	664	664	-	16	16
ABDOMEN-----	1	-	13	2,732	2,745	2,746	203	2,949	6,000	-	27,780	134,330	162,110	168,110	2,137	49	61
BACK-----	5	-	-	179	179	184	35	219	30,000	-	-	3,881	3,881	33,881	-	22	184
CHEST-----	-	-	96	227	323	323	14	337	-	-	5,950	9,995	15,945	15,945	62	44	49
PELVIC REGION-----	-	-	1	324	325	325	38	363	-	-	1,125	12,139	13,264	13,264	1,125	37	41
SHOULDER(S)-----	3	-	-	161	161	164	15	179	18,000	-	-	5,709	5,709	23,709	-	35	145
TRUNK, NEC-----	-	-	-	53	53	53	22	75	-	-	-	1,533	1,533	1,533	-	29	29
THIGH-----	-	-	1	883	884	884	65	949	-	-	50	41,266	41,316	41,316	50	47	47
KNEE-----	-	-	1	108	109	109	16	125	-	-	3,000	4,679	7,679	7,679	3,000	43	70
LOWER LEG-----	-	-	-	341	341	341	12	353	-	-	-	9,621	9,621	9,621	-	28	28
ANKLE-----	-	-	1	431	432	432	47	479	-	-	1,200	12,910	14,110	14,110	1,200	30	33
FOOT-----	-	-	2	55	57	57	18	75	-	-	-	375	1,951	2,326	188	35	41
TOE(S)-----	-	-	2	249	251	251	41	292	-	-	4,200	10,021	14,221	14,221	2,100	40	57
LOWER EXTREMITIES, NEC-----	6	-	-	31	31	37	7	44	36,000	-	-	639	639	36,639	-	21	990
BODY SYSTEMS-----	20	1	11	622	634	654	64	718	120,000	6,000	28,200	36,092	70,292	190,292	2,564	58	291
MULTIPLE PARTS OF BODY-----	-	-	-	1	1	1	-	1	-	-	-	18	18	18	-	18	18
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	45	2	175	8,973	9,150	9,195	2,182	11,377	270,000	12,000	88,075	353,105	453,180	723,180	503	39	79

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SURFACE MINES: STRIP: 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----- MULTIPLE PARTS OF BODY----- UNCLASSIFIED----- TOTAL OR AVERAGE-----	- - - - - - - 1 -																

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
AUGER:	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
EAR-----	-	-	-	1	1	1	2	3	-	-	-	2	2	-	2	2	
EYE-----	-	-	-	1	1	1	1	2	-	-	-	44	44	44	44	44	
HEAD, NEC-----	-	-	-	1	1	1	1	1	-	-	-	53	53	53	53	53	
NECK-----	-	-	-	1	1	1	1	2	-	-	-	5	5	5	5	5	
HAND-----	-	-	-	1	1	1	1	2	-	-	-	5	5	5	5	5	
FINGER(S)-----	-	-	1	3	4	4	2	6	-	60	50	110	110	60	17	28	
UPPER EXTREMITIES, NEC--	-	-	-	1	1	1	-	1	-	-	3	3	3	-	3	3	
BACK-----	-	-	-	6	6	6	-	6	-	-	565	565	565	-	94	94	
CHEST-----	-	-	-	1	1	1	-	1	-	-	21	21	21	-	21	21	
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	-	15	15	15	-	15	15	
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	-	153	153	153	-	153	153	
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	-	42	42	42	-	42	42	
KNEE-----	-	-	-	3	3	3	-	3	-	-	15	15	15	-	5	5	
LOWER LEG-----	-	-	-	1	1	1	1	2	-	-	14	14	14	-	14	14	
ANKLE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
FOOT-----	-	-	-	3	3	3	-	3	-	-	102	102	102	-	34	34	
LOWER EXTREMITIES, NEC--	-	-	-	1	1	1	-	1	-	-	95	95	95	-	95	95	
MULTIPLE PARTS OF BODY--	-	-	1	1	2	2	1	3	-	-	1,200	2	1,202	1,200	2	601	
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	630	44	84	
CULM BANK:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EYE-----	-	-	-	1	1	1	-	1	-	-	2	2	2	-	2	2	
NECK-----	-	-	-	1	1	1	-	1	-	-	38	38	38	-	38	38	
ELBOW-----	-	-	-	1	1	1	-	1	-	-	5	5	5	-	5	5	
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
WRIST-----	-	-	-	1	1	1	-	1	-	-	5	5	5	-	5	5	
HAND-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	
FINGER(S)-----	-	-	-	3	3	3	-	3	-	-	127	127	127	-	42	42	
BACK-----	-	-	-	7	7	7	-	7	-	-	392	392	392	-	56	56	
CHEST-----	-	-	-	3	3	3	-	3	-	-	33	33	33	-	11	11	
PELVIC REGION-----	-	-	-	3	3	3	-	3	-	-	34	34	34	-	11	11	
KNEE-----	-	-	-	2	2	2	-	2	-	-	250	250	250	-	125	125	
MULTIPLE PARTS OF BODY--	-	-	-	4	4	4	-	4	-	-	369	369	369	-	92	92	
TOTAL OR AVERAGE-----	-	-	-	26	26	26	3	29	-	-	1,255	1,255	1,255	-	48	48	
DREDGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	-	18	18	18	-	18	18	
BACK-----	-	-	-	1	1	1	-	1	-	-	8	8	8	-	8	8	
FOOT-----	-	-	-	1	1	1	-	1	-	-	2	2	2	-	2	2	
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	-	28	28	28	-	9	9	

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, 1990 (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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE, SURFACE:	-	-	-	6	6	6	5	11	-	-	-	56	56	56	-	9	9
EAR-----	-	-	-	77	77	77	119	196	-	-	-	702	702	702	-	9	9
EYE-----	-	-	-	5	5	5	4	9	-	-	-	64	64	64	-	13	13
JAW-----	-	-	-	4	4	4	26	30	-	-	-	15	15	15	-	4	4
MOUTH/TEETH/TONGUE-----	-	-	-	2	2	2	4	6	-	-	-	5	5	5	-	2	2
NOSE-----	-	-	-	1	1	1	4	5	-	-	-	1	1	1	-	1	1
SCALP-----	1	-	-	1	1	2	-	2	6,000	-	-	79	79	6,079	-	79	3,040
SKULL-----	-	-	-	10	10	10	15	25	-	-	-	184	184	184	-	18	18
FACE, NEC-----	-	-	-	35	35	35	69	104	-	-	-	795	795	795	-	23	23
HEAD, NEC-----	-	-	-	36	36	36	14	50	-	-	-	1,414	1,414	1,414	-	39	39
NECK-----	-	-	-	4	4	4	1	5	-	-	-	88	88	88	-	22	22
UPPER ARM-----	-	-	-	32	32	32	16	48	-	-	-	814	814	814	-	25	25
ELBOW-----	-	-	-	10	10	10	12	22	-	-	-	269	269	269	-	27	27
FOREARM-----	-	-	-	29	29	29	9	38	-	-	-	784	784	784	-	27	27
WRIST-----	-	-	1	49	50	50	55	105	-	-	100	935	1,035	1,035	100	19	21
FINGER(S)-----	-	-	8	109	117	117	186	303	-	-	585	2,072	2,657	2,657	73	19	23
UPPER EXTREMITIES, NEC-----	-	-	-	34	34	34	22	56	-	-	-	868	868	868	-	26	26
ABDOMEN-----	-	-	-	14	14	14	2	16	-	-	-	348	348	348	-	25	25
BACK-----	-	-	-	494	494	494	68	562	-	-	-	21,105	21,105	21,105	-	43	43
CHEST-----	1	-	-	48	48	49	9	58	6,000	-	-	950	950	6,950	-	20	142
PELVIC REGION-----	-	-	21	38	59	59	3	62	-	-	4,000	1,222	5,222	5,222	190	32	89
SHOULDER(S)-----	-	-	-	58	58	58	10	68	-	-	-	2,456	2,456	2,456	-	42	42
TRUNK, NEC-----	-	-	-	31	31	31	6	37	-	-	-	1,309	1,309	1,309	-	42	42
THIGH-----	-	-	-	10	10	10	16	26	-	-	-	176	176	176	-	18	18
KNEE-----	-	-	-	132	132	132	24	156	-	-	-	4,358	4,358	4,358	-	33	33
LOWER LEG-----	-	-	-	23	23	23	10	33	-	-	-	701	701	701	-	30	30
ANKLE-----	-	-	-	107	107	107	10	117	-	-	-	1,899	1,899	1,899	-	18	18
FOOT-----	-	-	-	59	59	59	8	67	-	-	-	2,000	2,000	2,000	-	34	34
TOE(S)-----	-	-	-	13	13	13	4	17	-	-	-	338	338	338	-	26	26
LOWER EXTREMITIES, NEC-----	-	-	1	47	48	48	21	69	-	-	3,000	1,905	4,905	4,905	3,000	41	102
BODY SYSTEMS-----	3	-	-	10	10	13	3	16	18,000	-	-	50	50	18,050	-	5	1,388
MULTIPLE PARTS OF BODY-----	4	-	4	165	169	173	44	217	24,000	-	-	9,300	9,835	19,135	2,325	60	249
UNCLASSIFIED-----	-	-	-	2	2	2	-	2	-	-	-	12	12	12	-	6	6
TOTAL OR AVERAGE-----	9	-	35	1,695	1,730	1,739	799	2,538	54,000	-	-	16,985	57,809	74,794	485	34	74

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, MINING:	-	-	-	34	34	34	43	77	-	-	-	473	473	473	-	14	14
EAR-----	-	-	-	317	318	318	292	610	-	-	1,800	3,191	4,991	4,991	1,800	10	16
EYE-----	-	-	1	20	20	20	25	45	-	-	-	448	448	448	-	22	22
JAW-----	-	-	-	33	33	33	92	125	-	-	-	168	168	168	-	5	5
MOUTH/TEETH/TONGUE-----	-	-	-	29	29	29	30	59	-	-	-	727	727	727	-	25	25
NOSE-----	-	-	-	5	5	5	6	11	-	-	-	5	5	5	-	1	1
SCALP-----	-	-	-	2	2	2	4	4	12,000	-	-	168	168	12,168	-	84	3,042
SKULL-----	2	-	-	71	71	71	66	137	-	-	-	1,758	1,758	1,758	-	25	25
FACE, NEC-----	9	1	1	168	170	179	179	358	54,000	6,000	1,800	3,075	10,875	64,875	1,800	18	362
HEAD, NEC-----	-	-	-	392	392	392	72	464	-	-	-	17,547	17,547	17,547	-	45	45
NECK-----	-	-	-	22	22	22	7	29	-	-	-	623	623	623	-	28	28
UPPER ARM-----	-	-	-	148	148	148	36	184	-	-	-	3,977	3,977	3,977	-	27	27
ELBOW-----	-	-	-	74	75	75	77	152	-	-	3,600	2,085	5,685	5,685	3,600	28	76
FOREARM-----	-	-	1	177	177	177	52	229	-	-	-	6,411	6,411	6,411	-	36	36
WRIST-----	-	-	-	353	354	354	236	590	-	-	-	8,572	8,672	8,672	100	24	24
HAND-----	-	-	1	945	997	997	845	1,842	-	-	100	21,765	31,345	31,345	184	23	31
FINGER(S)-----	-	-	52	189	189	189	85	274	-	-	9,580	5,809	5,809	5,809	-	31	31
UPPER EXTREMITIES, NEC-----	-	-	-	55	55	55	5	60	-	-	-	1,012	1,012	1,012	-	18	18
ABDOMEN-----	1	-	13	3,226	3,239	3,240	271	3,511	6,000	-	27,780	155,435	183,215	189,215	2,137	48	58
BACK-----	6	-	-	227	227	233	44	277	36,000	-	-	4,831	4,831	40,831	-	21	175
CHEST-----	-	-	-	265	382	382	17	399	-	-	9,950	11,217	21,167	21,167	85	42	55
PELVIC REGION-----	-	-	117	382	383	383	48	431	-	-	1,125	14,595	15,720	15,720	1,125	38	41
SHOULDER(S)-----	-	-	1	192	192	195	21	216	18,000	-	-	7,018	7,018	25,018	-	37	128
TRUNK, NEC-----	3	-	-	63	63	63	38	101	-	-	-	1,709	1,709	1,709	-	27	27
THIGH-----	-	-	-	1,015	1,016	1,016	89	1,105	-	-	50	45,624	45,674	45,674	50	45	45
KNEE-----	-	-	1	131	132	132	26	158	-	-	3,000	5,380	8,380	8,380	3,000	41	63
LOWER LEG-----	-	-	-	448	448	448	22	470	-	-	-	11,520	11,520	11,520	-	26	26
ANKLE-----	-	-	-	490	491	491	55	546	-	-	1,200	14,910	16,110	16,110	1,200	30	33
FOOT-----	-	-	1	68	70	70	22	92	-	-	375	2,289	2,664	2,664	188	34	38
TOE(S)-----	-	-	2	296	299	299	62	361	-	-	7,200	11,926	19,126	19,126	2,400	40	64
LOWER EXTREMITIES, NEC-----	9	-	3	41	41	50	10	60	54,000	-	-	689	689	54,689	-	17	1,094
BODY SYSTEMS-----	24	1	15	787	803	827	108	935	144,000	6,000	37,500	45,927	89,427	233,427	2,500	58	282
MULTIPLE PARTS OF BODY-----	-	-	-	3	3	3	-	3	-	-	-	30	30	30	-	10	10
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	54	2	210	10,668	10,880	10,934	2,981	13,915	324,000	12,000	105,060	410,914	527,974	851,974	500	39	78

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
INDEPENDENT SHOPS:																	
EYE-----	-	-	-	3	3	3	13	16	-	-	-	4	4	4	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	2	2	2	-	2	-	-	-	7	7	7	-	4	4
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FACE, NEC-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
HEAD, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
ELBOW-----	-	-	-	1	1	1	1	2	-	-	-	112	112	112	-	112	112
FOREARM-----	-	-	-	1	1	1	2	3	-	-	-	13	13	13	-	13	13
WRIST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HAND-----	-	-	-	1	1	1	4	5	-	-	-	4	4	4	-	4	4
FINGER(S)-----	-	-	-	12	12	12	16	28	-	-	-	314	314	314	-	26	26
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
ABDOMEN-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
BACK-----	-	-	-	23	23	23	3	26	-	-	-	556	556	556	-	24	24
CHEST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
PELVIC REGION-----	-	-	2	4	6	6	-	6	-	100	30	130	130	50	8	22	22
SHOULDER(S)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	7	7	7	-	7	-	-	-	424	424	424	-	61	61
LOWER LEG-----	-	-	-	2	2	2	-	2	-	-	-	15	15	15	-	8	8
ANKLE-----	-	-	-	3	3	3	-	3	-	-	-	118	118	118	-	39	39
FOOT-----	-	-	-	2	2	2	-	2	-	-	-	9	9	9	-	4	4
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY-----	1	-	-	6	6	7	2	9	6,000	-	-	497	497	6,497	-	83	928
TOTAL OR AVERAGE-----	1	-	2	70	72	73	48	121	6,000	-	100	2,108	2,208	8,208	50	30	112

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
PROCESSING PLANTS:	-	-	-	2	2	2	3	5	-	-	-	32	32	32	-	16	16
EAR-----	-	-	-	52	52	52	57	109	-	-	-	229	229	229	-	4	4
EYE-----	-	-	-	2	2	2	1	3	-	-	-	31	31	31	-	16	16
JAW-----	-	-	-	1	1	1	9	10	-	-	-	1	1	1	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	2	2	2	4	6	-	-	-	3	3	3	-	2	2
NOSE-----	-	-	-	1	1	1	2	3	-	-	-	2	2	2	-	2	2
SCALP-----	-	-	-	8	8	8	7	15	-	-	-	115	115	115	-	14	14
FACE, NEC-----	-	-	-	9	9	9	18	27	-	-	-	130	130	130	-	14	14
HEAD, NEC-----	-	-	-	14	14	14	3	17	-	-	-	557	557	557	-	40	40
NECK-----	-	-	-	9	9	9	9	18	-	-	-	361	361	361	-	40	40
ELBOW-----	-	-	-	7	7	7	10	17	-	-	-	209	209	209	-	30	30
FOREARM-----	-	-	-	14	14	14	5	19	-	-	-	748	748	748	-	53	53
WRIST-----	-	-	-	30	31	31	30	61	-	-	3,000	841	3,841	3,841	3,000	28	124
HAND-----	-	-	8	74	82	82	80	162	-	-	1,080	1,814	2,894	2,894	135	25	35
FINGER(S)-----	-	-	-	23	23	23	5	28	-	-	-	767	767	767	-	33	33
UPPER EXTREMITIES, NEC----	-	-	-	4	4	4	1	5	-	-	-	305	305	305	-	76	76
ABDOMEN-----	-	-	-	262	262	262	30	292	-	-	-	10,540	10,540	10,540	-	40	40
BACK-----	-	-	-	18	18	18	6	24	-	-	-	222	222	222	-	12	12
CHEST-----	-	-	15	21	36	36	2	38	-	-	750	602	1,352	1,352	50	29	38
PELVIC REGION-----	-	-	-	29	29	29	3	32	-	-	-	1,461	1,461	1,461	-	50	50
SHOULDER(S)-----	-	-	-	15	15	15	3	18	-	-	-	599	599	599	-	40	40
TRUNK, NEC-----	-	-	-	3	3	3	4	7	-	-	-	202	202	202	-	67	67
THIGH-----	-	-	-	71	71	71	12	83	-	-	-	2,411	2,411	2,411	-	34	34
KNEE-----	-	-	1	9	10	10	6	16	-	-	3,000	436	3,436	3,436	3,000	48	344
LOWER LEG-----	-	-	-	39	39	39	3	42	-	-	-	930	930	930	-	24	24
ANKLE-----	-	-	-	19	19	19	4	23	-	-	-	976	976	976	-	51	51
FOOT-----	-	-	1	3	4	4	1	5	-	-	300	106	406	406	300	35	102
TOE(S)-----	-	-	-	27	27	27	-	27	-	-	-	1,271	1,271	1,271	-	47	47
LOWER EXTREMITIES, NEC----	-	-	-	5	5	8	6	14	-	-	-	144	144	18,144	-	29	2,268
BODY SYSTEMS-----	3	-	-	68	72	73	11	84	18,000	-	-	144	144	18,144	-	29	2,268
MULTIPLE PARTS OF BODY----	1	1	3	68	72	73	11	84	6,000	6,000	6,720	3,994	16,714	22,714	2,240	59	311
UNCLASSIFIED-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	4	1	29	841	871	875	336	1,211	24,000	6,000	14,850	30,039	50,889	74,889	512	36	86

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL					
		TOTAL	PARTIAL							TOTAL	PARTIAL							
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	36	36	36	46	82	-	-	-	505	505	505	-	14	14	
EAR-----	-	-	-	372	373	373	362	735	-	-	1,800	3,424	5,224	5,224	1,800	9	14	
EYE-----	-	-	1	22	22	22	26	48	-	-	-	479	479	479	-	22	22	
JAW-----	-	-	-	36	36	36	101	137	-	-	-	176	176	176	-	5	5	
MOUTH/TEETH/TONGUE-----	-	-	-	31	31	31	34	65	-	-	-	730	730	730	-	24	24	
NOSE-----	-	-	-	6	6	6	9	15	-	-	-	7	7	7	-	1	1	
SCALP-----	-	-	-	2	2	2	4	4	12,000	-	-	168	168	12,168	-	84	3,042	
SKULL-----	2	-	-	80	80	80	73	153	-	-	-	1,874	1,874	1,874	-	23	23	
FACE, NEC-----	9	1	1	177	179	188	198	386	54,000	6,000	1,800	3,205	11,005	65,005	1,800	18	345	
HEAD, NEC-----	-	-	-	406	406	406	75	481	-	-	-	18,104	18,104	18,104	-	45	45	
NECK-----	-	-	-	22	22	22	7	29	-	-	-	623	623	623	-	28	28	
UPPER ARM-----	-	-	-	158	158	158	46	204	-	-	-	4,450	4,450	4,450	-	28	28	
ELBOW-----	-	-	-	82	83	83	89	172	-	-	3,600	2,307	5,907	3,600	28	71		
FOREARM-----	-	-	1	191	191	191	58	249	-	-	-	7,159	7,159	7,159	-	37	37	
WRIST-----	-	-	-	384	386	386	270	656	-	-	3,100	9,417	12,517	1,550	25	32		
HAND-----	-	-	2	1,031	1,091	1,091	941	2,032	-	-	10,660	23,893	34,553	34,553	178	23	32	
FINGER(S)-----	-	-	60	213	213	213	90	303	-	-	-	6,579	6,579	6,579	-	31	31	
UPPER EXTREMITIES, NEC-----	-	-	-	60	60	60	6	66	-	-	-	1,318	1,318	1,318	-	22	22	
ABDOMEN-----	-	-	-	3,511	3,524	3,525	304	3,829	6,000	-	27,780	166,531	194,311	200,311	2,137	47	57	
BACK-----	1	-	13	245	245	251	51	302	36,000	-	-	5,053	5,053	41,053	-	21	164	
CHEST-----	6	-	-	290	424	424	19	443	-	-	10,800	11,849	22,649	22,649	81	41	53	
PELVIC REGION-----	-	-	134	411	412	412	52	464	-	-	1,125	16,056	17,181	17,181	1,125	39	42	
SHOULDER(S)-----	-	-	1	207	207	210	24	234	18,000	-	-	7,617	7,617	25,617	-	37	122	
TRUNK, NEC-----	3	-	-	66	66	66	42	108	-	-	-	1,911	1,911	1,911	-	29	29	
THIGH-----	-	-	-	1,093	1,094	1,094	101	1,195	-	-	50	48,459	48,509	48,509	50	44	44	
KNEE-----	-	-	1	142	144	144	32	176	-	-	6,000	5,831	11,831	11,831	3,000	41	82	
LOWER LEG-----	-	-	2	490	490	490	25	515	-	-	-	12,568	12,568	12,568	-	26	26	
ANKLE-----	-	-	-	511	512	512	59	571	-	-	1,200	15,895	17,095	17,095	1,200	31	33	
FOOT-----	-	-	1	71	74	74	23	97	-	-	-	675	2,395	3,070	225	34	41	
TOE(S)-----	-	-	3	323	326	326	64	390	-	-	7,200	13,197	20,397	20,397	2,400	41	63	
LOWER EXTREMITIES, NEC-----	-	-	3	46	46	46	16	74	72,000	-	-	833	833	72,833	-	18	1,256	
BODY SYSTEMS-----	12	-	-	861	881	907	121	1,028	156,000	12,000	44,220	50,418	106,638	262,638	2,457	59	290	
MULTIPLE PARTS OF BODY-----	26	2	18	3	3	3	1	4	-	-	-	30	30	30	-	10	10	
UNCLASSIFIED-----	-	-	-	11,579	11,823	11,882	3,365	15,247	354,000	18,000	120,010	443,061	581,071	935,071	498	38	79	
TOTAL OR AVERAGE-----	59	3	241	11,579	11,823	11,882	3,365	15,247	354,000	18,000	120,010	443,061	581,071	935,071	498	38	79	
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HEAD, NEC-----	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1	
WRIST-----	-	-	-	2	2	2	3	5	-	-	-	50	50	50	-	25	25	
FINGER(S)-----	-	-	-	4	4	4	2	6	-	-	-	56	56	56	-	14	14	
BACK-----	-	-	-	1	1	1	1	2	-	-	-	2	2	2	-	2	2	
CHEST-----	-	-	-	2	2	2	-	2	-	-	-	6	6	6	-	3	3	
SHOULDER(S)-----	-	-	-	2	2	2	-	2	-	-	-	25	25	25	-	12	12	
KNEE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1	
ANKLE-----	-	-	-	2	2	2	-	2	-	-	-	11	11	11	-	6	6	
FOOT-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
TOE(S)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
LOWER EXTREMITIES, NEC-----	-	-	-	2	2	2	-	2	-	-	-	59	59	59	-	30	30	
BODY SYSTEMS-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12	
TOTAL OR AVERAGE-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12	

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, 1990 (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- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE:	-	-	-	36	36	36	46	82	-	-	-	505	505	505	-	14	14
EAR-----	-	-	-	372	373	373	362	735	-	-	1,800	3,424	5,224	5,224	1,800	9	14
EYE-----	-	-	1	22	22	22	26	48	-	-	-	479	479	479	-	22	22
JAW-----	-	-	-	36	36	36	101	137	-	-	-	176	176	176	-	5	5
MOUTH/TEETH/TONGUE-----	-	-	-	31	31	31	34	65	-	-	-	730	730	730	-	24	24
NOSE-----	-	-	-	6	6	6	9	15	-	-	-	7	7	7	-	1	1
SCALP-----	-	-	-	2	2	2	4	4	12,000	-	-	168	168	12,168	-	84	3,042
SKULL-----	2	-	-	80	80	80	73	153	-	-	-	1,874	1,874	1,874	-	23	23
FACE, NEC-----	9	1	1	178	180	189	200	389	54,000	6,000	1,800	3,206	11,006	65,006	1,800	18	344
HEAD, NEC-----	-	-	-	406	406	406	75	481	-	-	-	18,104	18,104	18,104	-	45	45
NECK-----	-	-	-	22	22	22	7	29	-	-	-	623	623	623	-	28	28
UPPER ARM-----	-	-	-	158	158	158	46	204	-	-	-	4,450	4,450	4,450	-	28	28
ELBOW-----	-	-	-	82	83	83	89	172	-	-	3,600	2,307	5,907	5,907	3,600	28	71
FOREARM-----	-	-	1	191	191	191	59	250	-	-	-	7,159	7,159	7,159	-	37	37
WRIST-----	-	-	-	384	386	386	270	656	-	-	3,100	9,417	12,517	12,517	1,550	25	32
HAND-----	-	-	2	1,033	1,093	1,093	944	2,037	-	-	10,660	23,943	34,603	34,603	178	23	32
FINGER(S)-----	-	-	60	213	213	213	90	303	-	-	-	6,579	6,579	6,579	-	31	31
UPPER EXTREMITIES, NEC-----	-	-	-	60	60	60	6	66	-	-	-	1,318	1,318	1,318	-	22	22
ABDOMEN-----	-	-	-	3,515	3,528	3,529	306	3,835	6,000	-	27,780	166,587	194,367	200,367	2,137	47	57
BACK-----	1	-	13	246	246	252	52	304	36,000	-	-	5,055	5,055	41,055	-	21	163
CHEST-----	6	-	-	290	424	424	19	443	-	-	10,800	11,849	22,649	22,649	81	41	53
PELVIC REGION-----	-	-	134	413	414	414	52	466	-	-	1,125	16,062	17,187	17,187	1,125	39	42
SHOULDER(S)-----	-	-	1	207	207	210	24	234	18,000	-	-	7,617	7,617	25,617	-	37	122
TRUNK, NEC-----	3	-	-	66	66	66	42	108	-	-	-	1,911	1,911	1,911	-	29	29
THIGH-----	-	-	-	1,095	1,096	1,096	101	1,197	-	-	50	48,484	48,534	48,534	50	44	44
KNEE-----	-	-	1	142	144	144	32	176	-	-	6,000	5,831	11,831	11,831	3,000	41	82
LOWER LEG-----	-	-	2	491	491	491	25	516	-	-	-	12,569	12,569	12,569	-	26	26
ANKLE-----	-	-	-	513	514	514	59	573	-	-	1,200	15,906	17,106	17,106	1,200	31	33
FOOT-----	-	-	1	71	74	74	24	98	-	-	-	675	2,395	3,070	225	34	41
TOE(S)-----	-	-	3	323	326	326	65	391	-	-	7,200	13,197	20,397	20,397	2,400	41	63
LOWER EXTREMITIES, NEC-----	-	-	3	48	48	60	16	76	72,000	-	-	892	892	72,892	-	19	1,215
BODY SYSTEMS-----	12	-	-	861	881	907	121	1,028	156,000	12,000	44,220	50,418	106,638	262,638	2,457	59	290
MULTIPLE PARTS OF BODY-----	26	2	18	3	3	3	1	4	-	-	-	30	30	30	-	10	10
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,899	3,376	15,275	354,000	18,000	120,010	443,272	581,282	935,282	498	38	79

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, 1990

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND:																	
EYE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
NECK-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FINGER(S)-----	-	-	-	2	2	2	-	2	-	-	-	23	23	23	-	12	12
BACK-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	48
PELVIC REGION-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	50	-	50
MULTIPLE PARTS OF BODY--	-	-	-	3	3	3	1	4	-	-	-	405	405	405	-	135	135
TOTAL OR AVERAGE-----	-	-	1	8	9	9	2	11	-	-	50	478	528	528	50	60	59
SURFACE AT UNDERGROUND:																	
FINGER(S)-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
BODY SYSTEMS-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	2	2	2	1	3	-	-	-	8	8	8	-	4	4
TOTAL OR AVERAGE, UG:																	
EYE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
NECK-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FINGER(S)-----	-	-	-	3	3	3	-	3	-	-	-	30	30	30	-	10	10
BACK-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	48
PELVIC REGION-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	50	-	50
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
BODY SYSTEMS-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY--	-	-	-	3	3	3	1	4	-	-	-	405	405	405	-	135	135
TOTAL OR AVERAGE-----	-	-	1	10	11	11	3	14	-	-	50	486	536	536	50	49	49

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SURFACE MINES: STRIP:																	
EYE-----	-	-	-	3	3	3	2	5	-	-	-	8	8	8	-	3	3
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
NECK-----	-	-	-	1	1	1	-	1	-	-	-	11	11	11	-	11	11
ELBOW-----	-	-	-	2	2	2	-	2	-	-	-	41	41	41	-	20	20
WRIST-----	-	-	-	1	1	1	-	1	-	-	-	181	181	181	-	181	181
HAND-----	-	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
FINGER(S)-----	-	-	-	5	5	5	4	9	-	-	-	124	124	124	-	25	25
UPPER EXTREMITIES, NEC--	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
ABDOMEN-----	-	-	-	1	1	1	-	1	-	-	-	44	44	44	-	44	44
BACK-----	-	-	-	22	22	22	2	24	-	-	-	1,906	1,906	1,906	-	87	87
CHEST-----	-	-	-	4	4	4	1	5	-	-	-	221	221	221	-	55	55
PELVIC REGION-----	-	-	1	2	3	3	-	3	-	-	50	8	58	58	50	4	19
SHOULDER(S)-----	-	-	-	2	2	2	-	2	-	-	-	62	62	62	-	31	31
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	10	10	10	-	10	-	-	-	321	321	321	-	32	32
LOWER LEG-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
ANKLE-----	-	-	-	4	4	4	-	4	-	-	-	14	14	14	-	4	4
FOOT-----	-	-	-	2	2	2	-	2	-	-	-	92	92	92	-	46	46
TOE(S)-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
LOWER EXTREMITIES, NEC--	-	-	-	1	1	1	-	1	-	-	-	63	63	63	-	63	63
BODY SYSTEMS-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
MULTIPLE PARTS OF BODY--	-	-	-	12	12	12	1	13	-	-	-	1,565	1,565	1,565	-	130	130
TOTAL OR AVERAGE-----	-	-	1	76	77	77	14	91	-	-	50	4,700	4,750	4,750	50	62	62
CULM BANK:																	
NECK-----	-	-	-	1	1	1	-	1	-	-	-	38	38	38	-	38	38
ELBOW-----	-	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
WRIST-----	-	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
HAND-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
FINGER(S)-----	-	-	-	2	2	2	-	2	-	-	-	96	96	96	-	48	48
BACK-----	-	-	-	3	3	3	-	3	-	-	-	146	146	146	-	49	49
PELVIC REGION-----	-	-	-	2	2	2	-	2	-	-	-	33	33	33	-	16	16
KNEE-----	-	-	-	2	2	2	-	2	-	-	-	250	250	250	-	125	125
MULTIPLE PARTS OF BODY--	-	-	-	4	4	4	-	4	-	-	-	369	369	369	-	92	92
TOTAL OR AVERAGE-----	-	-	-	16	16	16	3	19	-	-	-	942	942	942	-	59	59

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE, SURFACE:	-	-	-	3	3	3	2	5	-	-	-	8	8	8	-	3	3
EYE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NECK-----	-	-	-	2	2	2	-	2	-	-	-	49	49	49	-	24	24
ELBOW-----	-	-	-	3	3	3	-	3	-	-	-	46	46	46	-	15	15
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
WRIST-----	-	-	-	2	2	2	-	2	-	-	-	186	186	186	-	93	93
HAND-----	-	-	-	1	1	1	2	3	-	-	-	5	5	5	-	5	5
FINGER(S)-----	-	-	-	7	7	7	4	11	-	-	-	220	220	220	-	31	31
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
ABDOMEN-----	-	-	-	1	1	1	-	1	-	-	-	44	44	44	-	44	44
BACK-----	-	-	-	25	25	25	2	27	-	-	-	2,052	2,052	2,052	-	82	82
CHEST-----	-	-	-	4	4	4	1	5	-	-	-	221	221	221	-	55	55
PELVIC REGION-----	-	-	1	4	5	5	-	5	-	-	50	41	91	50	10	18	
SHOULDER(S)-----	-	-	-	2	2	2	-	2	-	-	-	62	62	62	-	31	31
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	12	12	12	-	12	-	-	-	571	571	571	-	48	48
LOWER LEG-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
ANKLE-----	-	-	-	4	4	4	-	4	-	-	-	14	14	14	-	4	4
FOOT-----	-	-	-	2	2	2	-	2	-	-	-	92	92	92	-	46	46
TOE(S)-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	63	63	63	-	63	63
BODY SYSTEMS-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
MULTIPLE PARTS OF BODY-----	-	-	-	16	16	16	1	17	-	-	-	1,934	1,934	1,934	-	121	121
TOTAL OR AVERAGE-----	-	-	1	92	93	93	17	110	-	-	50	5,642	5,692	5,692	50	61	61
TOTAL OR AVERAGE, MINING:	-	-	-	4	4	4	2	6	-	-	-	9	9	9	-	2	2
EYE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NECK-----	-	-	-	3	3	3	-	3	-	-	-	50	50	50	-	17	17
ELBOW-----	-	-	-	3	3	3	-	3	-	-	-	46	46	46	-	15	15
FOREARM-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
WRIST-----	-	-	-	2	2	2	-	2	-	-	-	186	186	186	-	93	93
HAND-----	-	-	-	1	1	1	2	3	-	-	-	5	5	5	-	5	5
FINGER(S)-----	-	-	-	10	10	10	4	14	-	-	-	250	250	250	-	25	25
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
ABDOMEN-----	-	-	-	1	1	1	-	1	-	-	-	44	44	44	-	44	44
BACK-----	-	-	-	26	26	26	2	28	-	-	-	2,100	2,100	2,100	-	81	81
CHEST-----	-	-	-	4	4	4	1	5	-	-	-	221	221	221	-	55	55
PELVIC REGION-----	-	-	2	4	6	6	-	6	-	-	100	41	141	50	10	24	
SHOULDER(S)-----	-	-	-	3	3	3	-	3	-	-	-	63	63	63	-	21	21
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	12	12	12	-	12	-	-	-	571	571	571	-	48	48
LOWER LEG-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
ANKLE-----	-	-	-	4	4	4	-	4	-	-	-	14	14	14	-	4	4
FOOT-----	-	-	-	2	2	2	-	2	-	-	-	92	92	92	-	46	46
TOE(S)-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	63	63	63	-	63	63
BODY SYSTEMS-----	-	-	-	1	1	1	1	2	-	-	-	28	28	28	-	28	28
MULTIPLE PARTS OF BODY-----	-	-	-	19	19	19	2	21	-	-	-	2,339	2,339	2,339	-	123	123
TOTAL OR AVERAGE-----	-	-	2	102	104	104	20	124	-	-	100	6,128	6,228	6,228	50	60	60

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
INDEPENDENT SHOPS:																	
ELBOW-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
HAND-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
BACK-----	-	-	-	1	1	1	1	2	-	-	-	20	20	20	-	20	
LOWER LEG-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	
MULTIPLE PARTS OF BODY----	-	-	-	1	1	1	-	1	-	-	-	199	199	199	-	199	
TOTAL OR AVERAGE-----	-	-	-	3	3	3	3	6	-	-	-	222	222	222	-	74	
PROCESSING PLANTS:																	
EYE-----	-	-	-	9	9	9	-	9	-	-	-	17	17	17	-	2	
JAW-----	-	-	-	1	1	1	-	1	-	-	-	19	19	19	-	19	
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	
ELBOW-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
WRIST-----	-	-	-	2	2	2	-	2	-	-	-	98	98	98	-	49	
HAND-----	-	-	-	4	4	4	1	5	-	-	-	267	267	267	-	67	
FINGER(S)-----	-	-	1	5	6	6	3	9	-	-	210	84	294	294	210	17	
UPPER EXTREMITIES, NEC----	-	-	-	4	4	4	2	6	-	-	-	133	133	133	-	33	
ABDOMEN-----	-	-	-	1	1	1	-	1	-	-	-	6	6	6	-	6	
BACK-----	-	-	-	19	19	19	2	21	-	-	-	730	730	730	-	38	
CHEST-----	-	-	-	2	2	2	-	2	-	-	-	81	81	81	-	40	
PELVIC REGION-----	-	-	2	3	5	5	-	5	-	-	100	80	180	180	50	27	
SHOULDER(S)-----	-	-	-	5	5	5	1	6	-	-	-	136	136	136	-	27	
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	
KNEE-----	-	-	-	8	8	8	1	9	-	-	-	222	222	222	-	28	
ANKLE-----	-	-	-	4	4	4	-	4	-	-	-	33	33	33	-	8	
FOOT-----	-	-	-	3	3	3	1	4	-	-	-	237	237	237	-	79	
LOWER EXTREMITIES, NEC----	-	-	-	3	3	3	-	3	-	-	-	101	101	101	-	34	
BODY SYSTEMS-----	2	-	-	-	-	2	-	2	12,000	-	-	-	-	12,000	-	-	
MULTIPLE PARTS OF BODY----	-	1	-	4	5	5	1	6	-	6,000	-	77	6,077	6,077	-	19	
TOTAL OR AVERAGE-----	2	1	3	80	84	86	15	101	12,000	6,000	310	2,428	8,738	20,738	103	30	

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																	
EYE-----	-	-	-	13	13	13	2	15	-	-	-	26	26	26	-	2	2
JAW-----	-	-	-	1	1	1	-	1	-	-	-	19	19	19	-	19	19
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
NECK-----	-	-	-	3	3	3	-	3	-	-	-	50	50	50	-	17	17
ELBOW-----	-	-	-	4	4	4	1	5	-	-	-	101	101	101	-	25	25
FOREARM-----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
WRIST-----	-	-	-	4	4	4	-	4	-	-	-	284	284	284	-	71	71
HAND-----	-	-	-	5	5	5	4	9	-	-	-	272	272	272	-	54	54
FINGER(S)-----	-	-	1	15	16	16	7	23	-	-	210	334	544	544	210	22	34
UPPER EXTREMITIES, NEC-----	-	-	-	4	4	4	4	8	-	-	-	133	133	133	-	33	33
ABDOMEN-----	-	-	-	2	2	2	-	2	-	-	-	50	50	50	-	25	25
BACK-----	-	-	-	46	46	46	5	51	-	-	-	2,850	2,850	2,850	-	62	62
CHEST-----	-	-	-	6	6	6	1	7	-	-	-	302	302	302	-	50	50
PELVIC REGION-----	-	-	4	7	11	11	-	11	-	-	200	121	321	321	50	17	29
SHOULDER(S)-----	-	-	-	8	8	8	1	9	-	-	-	199	199	199	-	25	25
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	48
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	20	20	20	1	21	-	-	-	793	793	793	-	40	40
LOWER LEG-----	-	-	-	2	2	2	-	2	-	-	-	5	5	5	-	2	2
ANKLE-----	-	-	-	8	8	8	-	8	-	-	-	47	47	47	-	6	6
FOOT-----	-	-	-	5	5	5	1	6	-	-	-	329	329	329	-	66	66
TOE(S)-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
LOWER EXTREMITIES, NEC-----	-	-	-	4	4	4	-	4	-	-	-	164	164	164	-	41	41
BODY SYSTEMS-----	2	-	-	1	1	3	1	4	12,000	-	-	28	28	12,028	-	28	4,009
MULTIPLE PARTS OF BODY-----	-	1	-	24	25	25	3	28	-	6,000	-	2,615	8,615	8,615	-	109	345
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE:	-	-	-	13	13	13	2	15	-	-	-	26	26	26	-	2	2
EYE-----	-	-	-	1	1	1	-	1	-	-	-	19	19	19	-	19	19
JAW-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
NECK-----	-	-	-	3	3	3	-	3	-	-	-	50	50	50	-	17	17
ELBOW-----	-	-	-	4	4	4	1	5	-	-	-	101	101	101	-	25	25
FOREARM-----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
WRIST-----	-	-	-	4	4	4	-	4	-	-	-	284	284	284	-	71	71
HAND-----	-	-	-	5	5	5	4	9	-	-	-	272	272	272	-	54	54
FINGER(S)-----	-	-	1	15	16	16	7	23	-	210	-	334	544	544	210	22	34
UPPER EXTREMITIES, NEC-----	-	-	-	4	4	4	4	8	-	-	-	133	133	133	-	33	33
ABDOMEN-----	-	-	-	2	2	2	-	2	-	-	-	50	50	50	-	25	25
BACK-----	-	-	-	46	46	46	5	51	-	-	-	2,850	2,850	2,850	-	62	62
CHEST-----	-	-	-	6	6	6	1	7	-	-	-	302	302	302	-	50	50
PELVIC REGION-----	-	-	4	7	11	11	-	11	-	200	-	121	321	321	50	17	29
SHOULDER(S)-----	-	-	-	8	8	8	1	9	-	-	-	199	199	199	-	25	25
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	48
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	20	20	20	1	21	-	-	-	793	793	793	-	40	40
LOWER LEG-----	-	-	-	2	2	2	-	2	-	-	-	5	5	5	-	2	2
ANKLE-----	-	-	-	8	8	8	-	8	-	-	-	47	47	47	-	6	6
FOOT-----	-	-	-	5	5	5	1	6	-	-	-	329	329	329	-	66	66
TOE(S)-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
LOWER EXTREMITIES, NEC-----	-	-	-	4	4	4	-	4	-	-	-	164	164	164	-	41	41
BODY SYSTEMS-----	2	-	-	1	1	3	1	4	12,000	-	-	28	28	12,028	-	28	4,009
MULTIPLE PARTS OF BODY-----	-	1	-	24	25	25	3	28	-	6,000	-	2,615	8,615	8,615	-	109	345
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141

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, 1990

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND:	-	-	-	27	27	27	35	62	-	-	-	398	398	398	-	15	15
EAR-----	-	-	-	215	216	216	146	362	-	-	1,800	2,196	3,996	3,996	1,800	10	18
EYE-----	-	-	-	14	14	14	17	31	-	-	-	279	279	279	-	20	20
JAW-----	-	-	-	29	29	29	62	91	-	-	-	153	153	153	-	5	5
MOUTH/TEETH/TONGUE-----	-	-	-	26	26	26	23	49	-	-	-	718	718	718	-	28	28
NOSE-----	-	-	-	4	4	4	-	4	-	-	-	4	4	4	-	1	1
SCALP-----	-	-	-	1	1	2	-	2	6,000	-	-	89	89	6,089	-	89	3,044
SKULL-----	1	-	-	56	56	56	47	103	-	-	-	1,527	1,527	1,527	-	27	27
FACE, NEC-----	9	1	1	122	124	133	94	227	54,000	6,000	1,800	2,110	9,910	63,910	1,800	17	481
HEAD, NEC-----	-	-	-	347	347	347	57	404	-	-	-	15,808	15,808	15,808	-	46	46
NECK-----	-	-	-	18	18	18	6	24	-	-	-	535	535	535	-	30	30
UPPER ARM-----	-	-	-	111	111	111	18	129	-	-	-	3,033	3,033	3,033	-	27	27
ELBOW-----	-	-	-	61	62	62	61	123	-	-	3,600	1,795	5,395	5,395	3,600	29	87
FOREARM-----	-	-	1	136	136	136	36	172	-	-	-	5,110	5,110	5,110	-	38	38
WRIST-----	-	-	-	290	290	290	162	452	-	-	-	6,934	6,934	6,934	-	24	24
HAND-----	-	-	-	783	820	820	577	1,397	-	-	8,110	18,843	26,953	26,953	219	24	33
FINGER(S)-----	-	-	37	149	149	149	58	207	-	-	-	4,737	4,737	4,737	-	32	32
UPPER EXTREMITIES, NEC--	-	-	-	38	38	38	3	41	-	-	-	633	633	633	-	17	17
ABDOMEN-----	1	-	12	2,533	2,545	2,546	182	2,728	6,000	-	24,780	125,828	150,608	156,608	2,065	50	62
BACK-----	5	-	-	164	164	169	33	202	30,000	-	-	3,555	3,555	33,555	-	22	199
CHEST-----	-	-	87	214	301	301	14	315	-	-	5,500	9,647	15,147	15,147	63	45	50
PELVIC REGION-----	-	-	1	310	311	311	34	345	-	-	1,125	11,897	13,022	13,022	1,125	38	42
SHOULDER(S)-----	3	-	-	153	153	156	14	170	18,000	-	-	5,189	5,189	23,189	-	34	149
TRUNK, NEC-----	-	-	-	50	50	50	18	68	-	-	-	1,526	1,526	1,526	-	31	31
THIGH-----	-	-	1	826	827	827	61	888	-	-	50	38,202	38,252	38,252	50	46	46
KNEE-----	-	-	1	99	100	100	13	113	-	-	3,000	4,414	7,414	7,414	3,000	45	74
LOWER LEG-----	-	-	-	322	322	322	10	332	-	-	-	9,278	9,278	9,278	-	29	29
ANKLE-----	-	-	1	394	395	395	43	438	-	-	1,200	12,247	13,447	13,447	1,200	31	34
FOOT-----	-	-	2	49	51	51	14	65	-	-	375	1,815	2,190	2,190	188	37	43
TOE(S)-----	-	-	2	230	232	232	37	269	-	-	4,200	9,379	13,579	13,579	2,100	41	59
LOWER EXTREMITIES, NEC--	5	-	-	26	26	31	5	36	30,000	-	-	560	560	30,560	-	22	986
BODY SYSTEMS-----	19	1	10	587	598	617	60	677	114,000	6,000	27,000	33,078	66,078	180,078	2,700	56	292
MULTIPLE PARTS OF BODY--	-	-	-	1	1	1	-	1	-	-	-	18	18	18	-	18	18
UNCLASSIFIED-----																	
TOTAL OR AVERAGE-----	43	2	157	8,385	8,544	8,587	1,940	10,527	258,000	12,000	82,540	331,535	426,075	684,075	526	40	80

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SURFACE AT UNDERGROUND:	-	-	-	1	1	1	3	4	-	-	-	19	19	19	-	19	19
EAR-----	-	-	-	24	24	24	27	51	-	-	-	292	292	292	-	12	12
EYE-----	-	-	-	1	1	1	4	5	-	-	-	105	105	105	-	105	105
JAW-----	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	3	4	-	-	-	4	4	4	-	4	4
NOSE-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
SCALP-----	-	-	-	5	5	5	4	9	-	-	-	47	47	47	-	9	9
FACE, NEC-----	-	-	-	11	11	11	16	27	-	-	-	170	170	170	-	15	15
HEAD, NEC-----	-	-	-	8	8	8	1	9	-	-	-	324	324	324	-	40	40
NECK-----	-	-	-	5	5	5	2	7	-	-	-	130	130	130	-	26	26
ELBOW-----	-	-	-	3	3	3	3	6	-	-	-	21	21	21	-	7	7
FOREARM-----	-	-	-	12	12	12	7	19	-	-	-	517	517	517	-	43	43
WRIST-----	-	-	-	14	14	14	19	33	-	-	-	703	703	703	-	50	50
HAND-----	-	-	7	50	57	57	82	139	-	-	885	820	1,705	1,705	126	16	30
FINGER(S)-----	-	-	-	6	6	6	5	11	-	-	-	204	204	204	-	34	34
UPPER EXTREMITIES, NEC--	-	-	-	3	3	3	-	3	-	-	-	31	31	31	-	10	10
ABDOMEN-----	-	-	1	198	199	199	21	220	-	-	3,000	8,454	11,454	11,454	3,000	43	58
BACK-----	-	-	-	15	15	15	2	17	-	-	-	326	326	326	-	22	22
CHEST-----	-	-	8	13	21	21	-	21	-	-	400	348	748	748	50	27	36
PELVIC REGION-----	-	-	-	13	13	13	4	17	-	-	-	241	241	241	-	19	19
SHOULDER(S)-----	-	-	-	8	8	8	1	9	-	-	-	520	520	520	-	65	65
TRUNK, NEC-----	-	-	-	3	3	3	4	7	-	-	-	7	7	7	-	2	2
THIGH-----	-	-	-	57	57	57	4	61	-	-	-	3,064	3,064	3,064	-	54	54
KNEE-----	-	-	-	9	9	9	3	12	-	-	-	265	265	265	-	29	29
LOWER LEG-----	-	-	-	19	19	19	2	21	-	-	-	343	343	343	-	18	18
ANKLE-----	-	-	-	37	37	37	4	41	-	-	-	663	663	663	-	18	18
FOOT-----	-	-	-	6	6	6	4	10	-	-	-	136	136	136	-	23	23
TOE(S)-----	-	-	-	19	19	19	4	23	-	-	-	642	642	642	-	34	34
LOWER EXTREMITIES, NEC--	1	-	-	5	5	6	1	7	6,000	-	-	79	79	6,079	-	16	1,013
BODY SYSTEMS-----	1	-	1	32	33	34	3	37	6,000	-	1,200	2,609	3,809	9,809	1,200	82	288
MULTIPLE PARTS OF BODY--																	
TOTAL OR AVERAGE-----	2	-	17	578	595	597	239	836	12,000	-	5,485	21,084	26,569	38,569	323	36	65

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, UG:	-	-	-	28	28	28	38	66	-	-	-	417	417	417	-	15	15
EAR-----	-	-	-	239	240	240	173	413	-	-	1,800	2,488	4,288	4,288	1,800	10	18
EYE-----	-	-	1	15	15	15	21	36	-	-	-	384	384	384	-	26	26
JAW-----	-	-	-	29	29	29	66	95	-	-	-	153	153	153	-	5	5
MOUTH/TEETH/TONGUE-----	-	-	-	27	27	27	26	53	-	-	-	722	722	722	-	27	27
NOSE-----	-	-	-	4	4	4	2	6	-	-	-	4	4	4	-	1	1
SCALP-----	-	-	-	1	1	1	2	2	6,000	-	-	89	89	6,089	-	89	3,044
SKULL-----	1	-	-	61	61	61	51	112	-	-	-	1,574	1,574	1,574	-	26	26
FACE, NEC-----	9	1	1	133	135	144	110	254	54,000	6,000	1,800	2,280	10,080	64,080	1,800	17	445
HEAD, NEC-----	-	-	-	355	355	355	58	413	-	-	-	16,132	16,132	16,132	-	45	45
NECK-----	-	-	-	18	18	18	6	24	-	-	-	535	535	535	-	30	30
UPPER ARM-----	-	-	-	116	116	116	20	136	-	-	-	3,163	3,163	3,163	-	27	27
ELBOW-----	-	-	-	64	65	65	64	129	-	-	-	1,816	5,416	5,416	3,600	28	83
FOREARM-----	-	-	1	148	148	148	43	191	-	-	-	5,627	5,627	5,627	-	38	38
WRIST-----	-	-	-	304	304	304	181	485	-	-	-	7,637	7,637	7,637	-	25	25
HAND-----	-	-	-	833	877	877	659	1,536	-	-	-	19,663	28,658	28,658	204	24	33
FINGER(S)-----	-	-	44	155	155	155	63	218	-	-	-	4,941	4,941	4,941	-	32	32
UPPER EXTREMITIES, NEC-----	-	-	-	41	41	41	3	44	-	-	-	664	664	664	-	16	16
ABDOMEN-----	1	-	13	2,731	2,744	2,745	203	2,948	6,000	-	27,780	134,282	162,062	168,062	2,137	49	61
BACK-----	5	-	-	179	179	184	35	219	30,000	-	-	3,881	3,881	3,881	-	22	184
CHEST-----	-	-	-	227	322	322	14	336	-	-	-	9,995	15,895	15,895	62	44	49
PELVIC REGION-----	-	-	95	323	324	324	38	362	-	-	-	12,138	13,263	13,263	1,125	38	41
SHOULDER(S)-----	-	-	1	161	161	164	15	179	18,000	-	-	5,709	5,709	23,709	-	35	145
TRUNK, NEC-----	3	-	-	53	53	53	22	75	-	-	-	1,533	1,533	1,533	-	29	29
THIGH-----	-	-	-	883	884	884	65	949	-	-	-	41,266	41,316	41,316	50	47	47
KNEE-----	-	-	1	108	109	109	16	125	-	-	-	4,679	7,679	7,679	3,000	43	70
LOWER LEG-----	-	-	-	341	341	341	12	353	-	-	-	9,621	9,621	9,621	-	28	28
ANKLE-----	-	-	-	431	432	432	47	479	-	-	-	1,200	12,910	14,110	1,200	30	33
FOOT-----	-	-	1	55	57	57	18	75	-	-	-	375	1,951	2,326	-	35	41
TOE(S)-----	-	-	2	249	251	251	41	292	-	-	-	4,200	10,021	14,221	2,100	40	57
LOWER EXTREMITIES, NEC-----	6	-	-	31	31	37	6	43	36,000	-	-	639	639	36,639	-	21	990
BODY SYSTEMS-----	20	1	11	619	631	651	63	714	120,000	6,000	28,200	35,687	69,887	189,887	2,564	58	292
MULTIPLE PARTS OF BODY-----	-	-	-	1	1	1	-	1	-	-	-	18	18	18	-	18	18
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	45	2	174	8,963	9,139	9,184	2,179	11,363	270,000	12,000	88,025	352,619	452,644	722,644	506	39	79

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SURFACE MINES: STRIP:																	
EAR-----	-	-	-	6	6	6	4	10	-	-	-	56	56	56	-	9	9
EYE-----	-	-	-	72	72	72	115	187	-	-	-	690	690	690	-	10	10
JAW-----	-	-	-	5	5	5	4	9	-	-	-	64	64	64	-	13	13
MOUTH/TEETH/TONGUE-----	-	-	-	4	4	4	25	29	-	-	-	15	15	15	-	4	4
NOSE-----	-	-	-	2	2	2	4	6	-	-	-	5	5	5	-	2	2
SCALP-----	-	-	-	1	1	1	4	5	-	-	-	1	1	1	-	1	1
SKULL-----	1	-	-	1	1	2	-	2	6,000	-	-	79	79	6,079	-	79	3,040
FACE, NEC-----	-	-	-	10	10	10	15	25	-	-	-	184	184	184	-	18	18
HEAD, NEC-----	-	-	-	33	33	33	68	101	-	-	-	733	733	733	-	22	22
NECK-----	-	-	-	33	33	33	14	47	-	-	-	1,312	1,312	1,312	-	40	40
UPPER ARM-----	-	-	-	4	4	4	1	5	-	-	-	88	88	88	-	22	22
ELBOW-----	-	-	-	29	29	29	16	45	-	-	-	768	768	768	-	26	26
FOREARM-----	-	-	-	10	10	10	11	21	-	-	-	269	269	269	-	27	27
WRIST-----	-	-	-	27	27	27	9	36	-	-	-	598	598	598	-	22	22
HAND-----	-	-	1	47	48	48	52	100	-	-	100	925	1,025	1,025	100	20	21
FINGER(S)-----	-	-	7	98	105	105	180	285	-	-	525	1,771	2,296	2,296	75	18	22
UPPER EXTREMITIES, NEC-----	-	-	-	33	33	33	20	53	-	-	-	865	865	865	-	26	26
ABDOMEN-----	-	-	-	13	13	13	2	15	-	-	-	304	304	304	-	23	23
BACK-----	-	-	-	458	458	458	66	524	-	-	-	18,234	18,234	18,234	-	40	40
CHEST-----	1	-	-	40	40	41	8	49	6,000	-	-	675	675	6,675	-	17	163
PELVIC REGION-----	-	-	20	32	52	52	3	55	-	-	3,950	1,165	5,115	5,115	198	36	98
SHOULDER(S)-----	-	-	-	55	55	55	10	65	-	-	-	2,241	2,241	2,241	-	41	41
TRUNK, NEC-----	-	-	-	30	30	30	6	36	-	-	-	1,267	1,267	1,267	-	42	42
THIGH-----	-	-	-	10	10	10	15	25	-	-	-	176	176	176	-	18	18
KNEE-----	-	-	-	117	117	117	24	141	-	-	-	3,772	3,772	3,772	-	32	32
LOWER LEG-----	-	-	-	21	21	21	9	30	-	-	-	685	685	685	-	33	33
ANKLE-----	-	-	-	103	103	103	9	112	-	-	-	1,885	1,885	1,885	-	18	18
FOOT-----	-	-	-	53	53	53	8	61	-	-	-	1,804	1,804	1,804	-	34	34
TOE(S)-----	-	-	-	12	12	12	4	16	-	-	-	334	334	334	-	28	28
LOWER EXTREMITIES, NEC-----	-	-	1	45	46	46	21	67	-	-	3,000	1,747	4,747	4,747	3,000	39	103
BODY SYSTEMS-----	3	-	-	9	9	12	3	15	18,000	-	-	22	22	18,022	-	2	1,502
MULTIPLE PARTS OF BODY-----	4	-	3	148	151	155	42	197	24,000	-	8,100	7,899	15,999	39,999	2,700	53	258
UNCLASSIFIED-----	-	-	-	2	2	2	-	2	-	-	-	12	12	12	-	6	6
TOTAL OR AVERAGE-----	9	-	32	1,563	1,595	1,604	772	2,376	54,000	-	15,675	50,645	66,320	120,320	490	32	75

TABLE 98. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT BLINDING COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY					TOTAL NFDL							
		TOTAL	PARTIAL													
AUGER:																
EAR-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
EYE-----	-	-	-	1	1	1	2	-	-	-	2	2	-	2	2	
HEAD, NEC-----	-	-	-	1	1	1	2	-	-	-	44	44	-	44	44	
NECK-----	-	-	-	1	1	1	1	-	-	-	53	53	-	53	53	
HAND-----	-	-	-	1	1	1	2	-	-	-	5	5	-	5	5	
FINGER(S)-----	-	-	1	3	4	4	6	-	60	-	50	110	60	17	28	
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	1	-	-	-	3	3	-	3	3	
BACK-----	-	-	-	6	6	6	6	-	-	-	565	565	-	94	94	
CHEST-----	-	-	-	1	1	1	1	-	-	-	21	21	-	21	21	
PELVIC REGION-----	-	-	-	1	1	1	1	-	-	-	15	15	-	15	15	
SHOULDER(S)-----	-	-	-	1	1	1	1	-	-	-	153	153	-	153	153	
TRUNK, NEC-----	-	-	-	1	1	1	1	-	-	-	42	42	-	42	42	
KNEE-----	-	-	-	3	3	3	3	-	-	-	15	15	-	5	5	
LOWER LEG-----	-	-	-	1	1	1	2	-	-	-	14	14	-	14	14	
ANKLE-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
FOOT-----	-	-	-	3	3	3	3	-	-	-	102	102	-	34	34	
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	1	-	-	-	95	95	-	95	95	
MULTIPLE PARTS OF BODY-----	-	-	1	1	2	2	3	-	-	1,200	2	1,202	1,200	2	601	
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	630	44	84
CULM BANK:																
EYE-----	-	-	-	1	1	1	-	1	-	-	2	2	-	2	2	
FINGER(S)-----	-	-	-	1	1	1	-	1	-	-	31	31	-	31	31	
BACK-----	-	-	-	4	4	4	-	4	-	-	246	246	-	62	62	
CHEST-----	-	-	-	3	3	3	-	3	-	-	33	33	-	11	11	
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	-	1	1	-	1	1	
TOTAL OR AVERAGE-----	-	-	-	10	10	10	-	10	-	-	313	313	-	31	31	
DREDGE:																
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	-	18	18	-	18	18	
BACK-----	-	-	-	1	1	1	-	1	-	-	8	8	-	8	8	
FOOT-----	-	-	-	1	1	1	-	1	-	-	2	2	-	2	2	
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	-	28	28	-	9	9	

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS							AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL							TOTAL	PARTIAL							
TOTAL OR AVERAGE, SURFACE:	-	-	-	6	6	6	5	11	-	-	-	56	56	56	-	9	9	
EAR-----	-	-	-	6	6	6	5	11	-	-	-	56	56	56	-	9	9	
EYE-----	-	-	-	74	74	74	117	191	-	-	-	694	694	694	-	13	13	
JAW-----	-	-	-	5	5	5	4	9	-	-	-	64	64	64	-	4	4	
MOUTH/TEETH/TONGUE-----	-	-	-	4	4	4	25	29	-	-	-	15	15	15	-	2	2	
NOSE-----	-	-	-	2	2	2	4	6	-	-	-	5	5	5	-	1	1	
SCALP-----	-	-	-	1	1	1	4	5	-	-	-	1	1	1	-	1	1	
SKULL-----	1	-	-	1	1	2	-	2	6,000	-	-	79	79	6,079	-	79	3,040	
FACE, NEC-----	-	-	-	10	10	10	15	25	-	-	-	184	184	184	-	18	18	
HEAD, NEC-----	-	-	-	35	35	35	69	104	-	-	-	795	795	795	-	23	23	
NECK-----	-	-	-	34	34	34	14	48	-	-	-	1,365	1,365	1,365	-	40	40	
UPPER ARM-----	-	-	-	4	4	4	1	5	-	-	-	88	88	88	-	22	22	
ELBOW-----	-	-	-	29	29	29	16	45	-	-	-	768	768	768	-	26	26	
FOREARM-----	-	-	-	10	10	10	11	21	-	-	-	269	269	269	-	27	27	
WRIST-----	-	-	-	27	27	27	9	36	-	-	-	598	598	598	-	22	22	
HAND-----	-	-	1	48	49	49	53	102	-	-	100	930	1,030	1,030	100	19	21	
FINGER(S)-----	-	-	8	102	110	110	182	292	-	-	585	1,852	2,437	2,437	73	18	22	
UPPER EXTREMITIES, NEC-----	-	-	-	34	34	34	20	54	-	-	-	868	868	868	-	26	26	
ABDOMEN-----	-	-	-	13	13	13	2	15	-	-	-	304	304	304	-	23	23	
BACK-----	-	-	-	469	469	469	66	535	-	-	-	19,053	19,053	19,053	-	41	41	
CHEST-----	1	-	-	44	44	45	8	53	6,000	-	-	729	729	6,729	-	17	150	
PELVIC REGION-----	-	-	20	34	54	54	3	57	-	-	3,950	1,181	5,131	5,131	198	35	95	
SHOULDER(S)-----	-	-	-	56	56	56	10	66	-	-	-	2,394	2,394	2,394	-	43	43	
TRUNK, NEC-----	-	-	-	31	31	31	6	37	-	-	-	1,309	1,309	1,309	-	42	42	
THIGH-----	-	-	-	10	10	10	15	25	-	-	-	176	176	176	-	18	18	
KNEE-----	-	-	-	120	120	120	24	144	-	-	-	3,787	3,787	3,787	-	32	32	
LOWER LEG-----	-	-	-	22	22	22	10	32	-	-	-	699	699	699	-	32	32	
ANKLE-----	-	-	-	103	103	103	10	113	-	-	-	1,885	1,885	1,885	-	18	18	
FOOT-----	-	-	-	57	57	57	8	65	-	-	-	1,908	1,908	1,908	-	33	33	
TOE(S)-----	-	-	-	12	12	12	4	16	-	-	-	334	334	334	-	28	28	
LOWER EXTREMITIES, NEC-----	-	-	1	46	47	47	21	68	-	-	3,000	1,842	4,842	4,842	3,000	40	103	
BODY SYSTEMS-----	3	-	-	9	9	12	3	15	18,000	-	-	22	22	18,022	-	2	1,502	
MULTIPLE PARTS OF BODY-----	4	-	4	149	153	157	43	200	24,000	-	9,300	7,901	17,201	41,201	2,325	53	262	
UNCLASSIFIED-----	-	-	-	2	2	2	-	2	-	-	-	12	12	12	-	6	6	
TOTAL OR AVERAGE-----	9	-	34	1,603	1,637	1,646	782	2,428	54,000	-	16,935	52,167	69,102	123,102	498	33	75	

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS							AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, MINING:	-	-	-	34	34	34	43	77	-	-	-	473	473	473	-	14	14
EAR-----	-	-	-	313	314	314	290	604	-	-	1,800	3,182	4,982	4,982	1,800	10	16
EYE-----	-	-	1	20	20	20	25	45	-	-	-	448	448	448	-	22	22
JAW-----	-	-	-	33	33	33	91	124	-	-	-	168	168	168	-	5	5
MOUTH/TEETH/TONGUE-----	-	-	-	29	29	29	30	59	-	-	-	727	727	727	-	25	25
NOSE-----	-	-	-	5	5	5	6	11	-	-	-	5	5	5	-	1	1
SCALP-----	-	-	-	2	2	2	4	4	12,000	-	-	168	168	12,168	-	84	3,042
SKULL-----	2	-	-	71	71	71	66	137	-	-	-	1,758	1,758	1,758	-	25	25
FACE, NEC-----	-	-	-	168	170	179	179	358	54,000	6,000	1,800	3,075	10,875	64,875	1,800	18	362
HEAD, NEC-----	9	1	1	389	389	389	72	461	-	-	-	17,497	17,497	17,497	-	45	45
NECK-----	-	-	-	22	22	22	7	29	-	-	-	623	623	623	-	28	28
UPPER ARM-----	-	-	-	145	145	145	36	181	-	-	-	3,931	3,931	3,931	-	27	27
ELBOW-----	-	-	-	74	75	75	75	150	-	-	-	2,085	5,685	5,685	3,600	28	76
FOREARM-----	-	-	1	175	175	175	52	227	-	-	3,600	6,225	6,225	6,225	-	36	36
WRIST-----	-	-	-	352	353	353	234	587	-	-	-	8,567	8,667	8,667	100	24	25
HAND-----	-	-	52	935	987	987	841	1,828	-	-	9,580	21,515	31,095	31,095	184	23	32
FINGER(S)-----	-	-	-	189	189	189	83	272	-	-	-	5,809	5,809	5,809	-	31	31
UPPER EXTREMITIES, NEC-----	-	-	-	54	54	54	5	59	-	-	-	968	968	968	-	18	18
ABDOMEN-----	-	-	13	3,200	3,213	3,214	269	3,483	6,000	-	27,780	153,335	181,115	187,115	2,137	48	58
BACK-----	1	-	-	223	223	229	43	272	36,000	-	-	4,610	4,610	40,610	-	21	177
CHEST-----	6	-	-	261	376	376	17	393	-	-	9,850	11,176	21,026	21,026	86	43	56
PELVIC REGION-----	-	-	115	379	380	380	48	428	-	-	1,125	14,532	15,657	15,657	1,125	38	41
SHOULDER(S)-----	-	-	1	192	192	195	21	216	18,000	-	-	7,018	7,018	25,018	-	37	128
TRUNK, NEC-----	3	-	-	63	63	63	37	100	-	-	-	1,709	1,709	1,709	-	27	27
THIGH-----	-	-	1	1,003	1,004	1,004	89	1,093	-	-	50	45,053	45,103	45,103	50	45	45
KNEE-----	-	-	1	130	131	131	26	157	-	-	3,000	5,378	8,378	8,378	3,000	41	64
LOWER LEG-----	-	-	-	444	444	444	22	466	-	-	-	11,506	11,506	11,506	-	26	26
ANKLE-----	-	-	-	488	489	489	55	544	-	-	-	14,818	16,018	16,018	1,200	30	33
FOOT-----	-	-	1	67	69	69	22	91	-	-	1,200	2,285	2,660	2,660	188	34	39
TOE(S)-----	-	-	2	295	298	298	62	360	-	-	375	11,863	19,063	19,063	2,400	40	64
LOWER EXTREMITIES, NEC-----	-	-	3	40	40	49	9	58	54,000	-	-	661	661	54,661	-	17	1,116
BODY SYSTEMS-----	9	-	-	768	784	808	106	914	144,000	6,000	37,500	43,588	87,088	231,088	2,500	57	286
MULTIPLE PARTS OF BODY-----	24	1	15	3	3	3	-	3	-	-	-	30	30	30	-	10	10
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	54	2	208	10,566	10,776	10,830	2,961	13,791	324,000	12,000	104,960	404,786	521,746	845,746	505	38	78

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
INDEPENDENT SHOPS:																	
EYE-----	-	-	-	3	3	3	13	16	-	-	-	4	4	4	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	2	2	2	-	2	-	-	-	7	7	7	-	4	4
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FACE, NEC-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
HEAD, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
ELBOW-----	-	-	-	1	1	1	-	1	-	-	-	112	112	112	-	112	112
FOREARM-----	-	-	-	1	1	1	2	3	-	-	-	13	13	13	-	13	13
WRIST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HAND-----	-	-	-	1	1	1	3	4	-	-	-	4	4	4	-	4	4
FINGER(S)-----	-	-	-	12	12	12	16	28	-	-	-	314	314	314	-	26	26
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
ABDOMEN-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
BACK-----	-	-	-	22	22	22	2	24	-	-	-	536	536	536	-	24	24
CHEST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
PELVIC REGION-----	-	-	2	4	6	6	-	6	-	-	100	30	130	130	50	8	22
SHOULDER(S)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	7	7	7	-	7	-	-	-	424	424	424	-	61	61
LOWER LEG-----	-	-	-	1	1	1	-	1	-	-	-	12	12	12	-	12	12
ANKLE-----	-	-	-	3	3	3	-	3	-	-	-	118	118	118	-	39	39
FOOT-----	-	-	-	2	2	2	-	2	-	-	-	9	9	9	-	4	4
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY-----	1	-	-	5	5	6	2	8	6,000	-	-	298	298	6,298	-	60	1,050
TOTAL OR AVERAGE-----	1	-	2	67	69	70	45	115	6,000	-	100	1,886	1,986	7,986	50	28	114

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
PROCESSING PLANTS:	-	-	-	2	2	2	3	5	-	-	-	32	32	32	-	16	16
EAR-----	-	-	-	43	43	43	57	100	-	-	-	212	212	212	-	5	5
EYE-----	-	-	-	1	1	1	1	2	-	-	-	12	12	12	-	12	12
JAW-----	-	-	-	1	1	1	9	10	-	-	-	1	1	1	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	2	2	2	3	5	-	-	-	3	3	3	-	2	2
NOSE-----	-	-	-	1	1	1	1	2	-	-	-	2	2	2	-	2	2
SCALP-----	-	-	-	8	8	8	7	15	-	-	-	115	115	115	-	14	14
FACE, NEC-----	-	-	-	8	8	8	18	26	-	-	-	126	126	126	-	16	16
HEAD, NEC-----	-	-	-	14	14	14	3	17	-	-	-	557	557	557	-	40	40
NECK-----	-	-	-	8	8	8	9	17	-	-	-	306	306	306	-	38	38
ELBOW-----	-	-	-	7	7	7	9	16	-	-	-	209	209	209	-	30	30
FOREARM-----	-	-	-	12	12	12	5	17	-	-	-	650	650	650	-	54	54
WRIST-----	-	-	-	26	27	27	29	56	-	-	-	574	3,574	3,574	3,000	22	132
HAND-----	-	-	1	69	76	76	77	153	-	-	3,000	870	1,730	2,600	2,600	124	25
FINGER(S)-----	-	-	7	19	19	19	3	22	-	-	-	634	634	634	-	33	33
UPPER EXTREMITIES, NEC-----	-	-	-	3	3	3	1	4	-	-	-	299	299	299	-	100	100
ABDOMEN-----	-	-	-	243	243	243	28	271	-	-	-	9,810	9,810	9,810	-	40	40
BACK-----	-	-	-	16	16	16	6	22	-	-	-	141	141	141	-	9	9
CHEST-----	-	-	-	18	31	31	2	33	-	-	-	650	522	1,172	50	29	38
PELVIC REGION-----	-	-	13	24	24	24	2	26	-	-	-	1,325	1,325	1,325	-	55	55
SHOULDER(S)-----	-	-	-	14	14	14	3	17	-	-	-	551	551	551	-	39	39
TRUNK, NEC-----	-	-	-	3	3	3	4	7	-	-	-	202	202	202	-	67	67
THIGH-----	-	-	-	63	63	63	11	74	-	-	-	2,189	2,189	2,189	-	35	35
KNEE-----	-	-	-	9	10	10	6	16	-	-	-	436	3,436	3,436	3,000	48	344
LOWER LEG-----	-	-	1	35	35	35	3	38	-	-	3,000	897	897	897	-	26	26
ANKLE-----	-	-	-	16	16	16	3	19	-	-	-	739	739	739	-	46	46
FOOT-----	-	-	-	3	4	4	1	5	-	-	-	106	406	406	300	35	102
TOE(S)-----	-	-	1	24	24	24	-	24	-	-	300	1,170	1,170	1,170	-	49	49
LOWER EXTREMITIES, NEC-----	-	-	-	5	5	6	6	12	-	-	-	144	144	6,144	-	29	1,024
BODY SYSTEMS-----	1	-	-	64	67	68	10	78	6,000	-	-	3,917	10,637	16,637	2,240	61	245
MULTIPLE PARTS OF BODY-----	1	-	3	-	-	-	1	1	6,000	-	-	-	-	-	-	-	-
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	2	-	26	761	787	789	321	1,110	12,000	-	14,540	27,611	42,151	54,151	559	36	69

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS							AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE ALL MINES AND PLANTS:	-	-	-	36	36	36	46	82	-	-	-	505	505	505	-	14	14
EAR-----	-	-	-	359	360	360	360	720	-	-	1,800	3,398	5,198	5,198	1,800	9	14
EYE-----	-	-	1	21	21	21	26	47	-	-	-	460	460	460	-	22	22
JAW-----	-	-	-	36	36	36	100	136	-	-	-	176	176	176	-	5	5
MOUTH/TEETH/TONGUE-----	-	-	-	31	31	31	33	64	-	-	-	730	730	730	-	24	24
NOSE-----	-	-	-	6	6	6	8	14	-	-	-	7	7	7	-	1	1
SCALP-----	2	-	-	2	2	4	-	4	12,000	-	-	168	168	12,168	-	84	3,042
SKULL-----	-	-	-	80	80	80	73	153	-	-	-	1,874	1,874	1,874	-	23	23
FACE, NEC-----	9	1	1	176	178	187	198	385	54,000	6,000	1,800	3,201	11,001	65,001	1,800	18	348
HEAD, NEC-----	-	-	-	403	403	403	75	478	-	-	-	18,054	18,054	18,054	-	45	45
NECK-----	-	-	-	22	22	22	7	29	-	-	-	623	623	623	-	28	28
UPPER ARM-----	-	-	-	154	154	154	45	199	-	-	-	4,349	4,349	4,349	-	28	28
ELBOW-----	-	-	-	82	83	83	86	169	-	-	3,600	2,307	5,907	3,600	28	71	
FOREARM-----	-	-	1	187	187	187	58	245	-	-	-	6,875	6,875	6,875	-	37	37
WRIST-----	-	-	-	379	381	381	266	647	-	-	3,100	9,145	12,245	12,245	1,550	24	32
HAND-----	-	-	2	1,016	1,075	1,075	934	2,009	-	-	10,450	23,559	34,009	34,009	177	23	32
FINGER(S)-----	-	-	59	209	209	209	86	295	-	-	-	6,446	6,446	6,446	-	31	31
UPPER EXTREMITIES, NEC-----	-	-	-	58	58	58	6	64	-	-	-	1,268	1,268	1,268	-	22	22
ABDOMEN-----	1	-	13	3,465	3,478	3,479	299	3,778	6,000	-	27,780	163,681	191,461	197,461	2,137	47	57
BACK-----	6	-	-	239	239	245	50	295	36,000	-	-	4,751	4,751	40,751	-	20	166
CHEST-----	-	-	-	283	413	413	19	432	-	-	10,600	11,728	22,328	22,328	82	41	54
PELVIC REGION-----	-	-	130	403	404	404	51	455	-	-	1,125	15,857	16,982	16,982	1,125	39	42
SHOULDER(S)-----	-	-	1	206	206	209	24	233	18,000	-	-	7,569	7,569	25,569	-	37	122
TRUNK, NEC-----	3	-	-	66	66	66	41	107	-	-	-	1,911	1,911	1,911	-	29	29
THIGH-----	-	-	-	1,073	1,074	1,074	100	1,174	-	-	-	47,666	47,716	47,716	50	44	44
KNEE-----	-	-	1	140	142	142	32	174	-	-	50	5,826	11,826	11,826	3,000	42	83
LOWER LEG-----	-	-	2	482	482	482	25	507	-	-	6,000	12,521	12,521	12,521	-	26	26
ANKLE-----	-	-	-	506	507	507	58	565	-	-	-	15,566	16,766	16,766	1,200	31	33
FOOT-----	-	-	1	70	73	73	23	96	-	-	1,200	2,391	3,066	3,066	225	34	42
TOE(S)-----	-	-	3	319	322	322	64	386	-	-	7,200	13,033	20,233	20,233	2,400	41	63
LOWER EXTREMITIES, NEC-----	-	-	3	45	45	55	15	70	60,000	-	-	805	805	60,805	-	18	1,106
BODY SYSTEMS-----	10	-	-	837	856	882	118	1,000	156,000	6,000	44,220	47,803	98,023	254,023	2,457	57	288
MULTIPLE PARTS OF BODY-----	26	1	18	3	3	3	1	4	-	-	-	30	30	30	-	10	10
UNCLASSIFIED-----	-	-	-	11,394	11,632	11,689	3,327	15,016	342,000	12,000	119,600	434,283	565,883	907,883	507	38	78
TOTAL OR AVERAGE-----	57	2	236														
OFFICE:																	
HEAD, NEC-----	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1
WRIST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FINGER(S)-----	-	-	-	2	2	2	3	5	-	-	-	50	50	50	-	25	25
BACK-----	-	-	-	4	4	4	2	6	-	-	-	56	56	56	-	14	14
CHEST-----	-	-	-	1	1	1	1	2	-	-	-	2	2	2	-	2	2
SHOULDER(S)-----	-	-	-	2	2	2	-	2	-	-	-	6	6	6	-	3	3
KNEE-----	-	-	-	2	2	2	-	2	-	-	-	25	25	25	-	12	12
ANKLE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
FOOT-----	-	-	-	2	2	2	-	2	-	-	-	11	11	11	-	6	6
TOE(S)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
BODY SYSTEMS-----	-	-	-	2	2	2	-	2	-	-	-	59	59	59	-	30	30
TOTAL OR AVERAGE-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE:	-	-	-	36	36	36	46	82	-	-	-	505	505	505	-	14	14
EAR-----	-	-	-	359	360	360	360	720	-	-	1,800	3,398	5,198	5,198	1,800	9	14
EYE-----	-	-	1	21	21	21	26	47	-	-	-	460	460	460	-	22	22
JAW-----	-	-	-	36	36	36	100	136	-	-	-	176	176	176	-	5	5
MOUTH/TEETH/TONGUE-----	-	-	-	31	31	31	33	64	-	-	-	730	730	730	-	24	24
NOSE-----	-	-	-	6	6	6	8	14	-	-	-	7	7	7	-	1	1
SCALP-----	2	-	-	2	2	4	-	4	12,000	-	-	168	168	12,168	-	84	3,042
SKULL-----	-	-	-	80	80	80	73	153	-	-	-	1,874	1,874	1,874	-	23	23
FACE, NEC-----	9	1	1	177	179	188	200	388	54,000	6,000	1,800	3,202	11,002	65,002	1,800	18	346
HEAD, NEC-----	-	-	-	403	403	403	75	478	-	-	-	18,054	18,054	18,054	-	45	45
NECK-----	-	-	-	22	22	22	7	29	-	-	-	623	623	623	-	28	28
UPPER ARM-----	-	-	-	154	154	154	45	199	-	-	-	4,349	4,349	4,349	-	28	28
ELBOW-----	-	-	-	82	83	83	86	169	-	-	-	2,307	5,907	5,907	-	28	71
FOREARM-----	-	-	1	187	187	187	59	246	-	-	3,600	6,875	6,875	6,875	3,600	37	37
WRIST-----	-	-	-	379	381	381	266	647	-	-	-	9,145	12,245	12,245	-	24	32
HAND-----	-	-	2	1,018	1,077	1,077	937	2,014	-	-	-	23,609	34,059	34,059	1,550	23	32
FINGER(S)-----	-	-	59	209	209	209	86	295	-	-	-	6,446	6,446	6,446	-	31	31
UPPER EXTREMITIES, NEC-----	-	-	-	58	58	58	6	64	-	-	-	1,268	1,268	1,268	-	22	22
ABDOMEN-----	1	-	-	3,469	3,482	3,483	301	3,784	6,000	-	-	163,737	191,517	197,517	2,137	47	57
BACK-----	6	-	13	240	240	246	51	297	36,000	-	-	4,753	4,753	40,753	-	20	166
CHEST-----	-	-	-	283	413	413	19	432	-	-	-	11,728	22,328	22,328	-	41	54
PELVIC REGION-----	-	-	130	405	406	406	51	457	-	-	10,600	15,863	16,988	16,988	82	39	42
SHOULDER(S)-----	-	-	1	206	206	209	24	233	-	-	1,125	7,569	7,569	16,988	1,125	37	42
TRUNK, NEC-----	3	-	-	66	66	66	41	107	18,000	-	-	1,911	1,911	25,569	-	37	122
THIGH-----	-	-	-	1,075	1,076	1,076	100	1,176	-	-	-	47,691	47,741	1,911	-	29	29
KNEE-----	-	-	1	140	142	142	32	174	-	-	50	5,826	11,826	47,741	50	44	44
LOWER LEG-----	-	-	2	483	483	483	25	508	-	-	6,000	12,522	11,826	11,826	3,000	42	83
ANKLE-----	-	-	-	508	509	509	58	567	-	-	-	12,522	12,522	12,522	-	26	26
FOOT-----	-	-	1	70	73	73	24	97	-	-	1,200	15,577	16,777	16,777	-	31	33
TOE(S)-----	-	-	3	319	322	322	65	387	-	-	675	2,391	3,066	3,066	-	34	42
LOWER EXTREMITIES, NEC-----	-	-	3	47	47	57	15	72	-	-	7,200	13,033	20,233	20,233	2,400	41	63
BODY SYSTEMS-----	10	-	-	837	856	882	118	1,000	60,000	-	-	864	864	60,864	-	18	1,068
MULTIPLE PARTS OF BODY-----	26	1	18	3	3	3	1	4	156,000	6,000	44,220	47,803	98,023	254,023	2,457	57	288
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	30	30	30	-	10	10
TOTAL OR AVERAGE-----	57	2	236	11,411	11,649	11,706	3,338	15,044	342,000	12,000	119,600	434,494	566,094	908,094	507	38	78

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, 1990

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													
UNDERGROUND MINES:																
UNDERGROUND:																
AMPUTATION/ENUCLEATION----	-	-	43	-	43	43	-	43	-	.06	.06	-	.06	-	30	30
ASPHYXIATION/DROWNING----	-	-	-	4	4	4	1	5	-	.01	.01	(*)	.01	-	(*)	(*)
BURN/SCALD (NOT CHEM.)----	-	-	-	46	46	46	23	69	-	.07	.07	.03	.10	-	2	2
CHEMICAL BURN----	-	-	-	30	30	30	10	40	-	.04	.04	.01	.06	-	1	1
CONCUSSION (CEREBRAL)----	-	-	-	8	8	8	2	10	-	.01	.01	(*)	.01	-	(*)	(*)
CONTUSION OR BRUISE----	22	-	2	1,412	1,414	1,436	192	1,628	.03	2.11	2.14	.29	2.42	197	56	252
CUT OR PUNCTURE----	-	-	-	637	637	637	888	1,525	-	.95	.95	1.32	2.27	-	16	16
DISLOCATION----	-	-	1	44	45	45	7	52	-	.07	.07	.01	.08	-	3	3
DUST IN EYE----	-	-	-	42	42	42	47	89	-	.06	.06	.07	.13	-	1	1
ELECTRIC SHOCK----	5	-	-	17	17	22	4	26	.01	.03	.03	.01	.04	45	1	45
ELECT. BURN (CONTACT)----	-	-	-	9	9	9	6	15	-	.01	.01	.01	.02	-	(*)	(*)
FRACTURE----	4	-	5	819	824	828	247	1,075	.01	1.23	1.23	.37	1.60	36	80	116
HEARING IMPAIRMENT----	-	-	-	2	2	2	1	3	-	(*)	(*)	(*)	(*)	-	(*)	(*)
HERNIA (NOT DISC)----	-	-	86	7	93	93	-	93	-	.14	.14	-	.14	-	7	7
POISONING (SYSTEMIC)----	-	-	-	4	4	4	-	4	-	.01	.01	-	.01	-	(*)	(*)
RADIATION/ULTRA VIOLET----	-	-	-	75	75	75	9	84	-	.11	.11	.01	.13	-	2	2
SCRATCH/ABRASION----	-	-	-	61	61	61	17	78	-	.09	.09	.03	.12	-	1	1
STRAIN/SPRAIN----	-	-	13	4,145	4,158	4,158	300	4,458	-	6.19	6.19	.45	6.64	-	316	316
MULTIPLE INJURIES----	10	2	7	592	601	611	118	729	.01	.90	.91	.18	1.09	89	80	169
OTHER INJURY, NEC----	1	-	-	69	69	70	9	79	(*)	.10	.10	.01	.12	9	5	14
UNCLASSIFIED (NO DATA)----	1	-	1	370	371	372	60	432	(*)	.55	.55	.09	.64	9	35	44
OCCUPATIONAL DISEASES----	-	-	-	-	-	-	1	1	-	-	-	(*)	(*)	-	-	-
TOTAL OR AVERAGE-----	43	2	158	8,393	8,553	8,596	1,942	10,538	.06	12.74	12.80	2.89	15.70	384	635	1,020
SURFACE AT UNDERGROUND:																
AMPUTATION/ENUCLEATION----	-	-	7	-	7	7	-	7	-	.10	.10	-	.10	-	13	13
ASPHYXIATION/DROWNING----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
BURN/SCALD (NOT CHEM.)----	-	-	-	3	3	3	6	9	-	.04	.04	.09	.13	-	(*)	(*)
CHEMICAL BURN----	-	-	-	1	1	1	4	5	-	.01	.01	.06	.07	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
CONTUSION OR BRUISE----	-	-	-	87	87	87	19	106	-	1.25	1.25	.27	1.52	-	26	26
CUT OR PUNCTURE----	-	-	-	62	62	62	113	175	-	.89	.89	1.62	2.51	-	12	12
DISLOCATION----	-	-	-	2	2	2	1	3	-	.03	.03	.01	.04	-	(*)	(*)
DUST IN EYE----	-	-	-	3	3	3	7	10	-	.04	.04	.10	.14	-	(*)	(*)
ELECTRIC SHOCK----	1	-	-	-	-	1	-	1	.01	-	.01	-	.01	86	-	86
ELECT. BURN (CONTACT)----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
FRACTURE----	-	-	1	46	47	47	31	78	-	.67	.67	.44	1.12	-	47	47
HERNIA (NOT DISC)----	-	-	8	2	10	10	-	10	-	.14	.14	-	.14	-	7	7
POISONING (SYSTEMIC)----	-	-	-	4	4	4	2	6	-	.06	.06	.03	.09	-	1	1
RADIATION/ULTRA VIOLET----	-	-	-	11	11	11	4	15	-	.16	.16	.06	.22	-	5	5
SCRATCH/ABRASION----	-	-	-	2	2	2	3	5	-	.03	.03	.04	.07	-	(*)	(*)
STRAIN/SPRAIN----	-	-	1	296	297	297	29	326	-	4.26	4.26	.42	4.68	-	225	225
MULTIPLE INJURIES----	1	-	-	37	37	38	17	55	.01	.53	.55	.24	.79	86	30	116
OTHER INJURY, NEC----	-	-	-	3	3	3	2	5	-	.04	.04	.03	.07	-	1	1
UNCLASSIFIED (NO DATA)----	-	-	-	19	19	19	1	20	-	.27	.27	.01	.29	-	13	13
TOTAL OR AVERAGE-----	2	-	17	580	597	599	240	839	.03	8.57	8.60	3.44	12.04	172	381	554

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, 1990 (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													
TOTAL OR AVERAGE, UG:																
AMPUTATION/ENUCLEATION----	-	-	50	-	50	50	-	50	-	.07	.07	-	.07	-	28	28
ASPHYXIATION/DROWNING----	-	-	-	5	5	5	1	6	-	.01	.01	(*)	.01	-	(*)	(*)
BURN/SCALD (NOT CHEM.)----	-	-	-	49	49	49	29	78	-	.07	.07	.04	.11	-	2	2
CHEMICAL BURN-----	-	-	-	31	31	31	14	45	-	.04	.04	.02	.06	-	1	1
CONCUSSION (CEREBRAL)----	-	-	-	9	9	9	2	11	-	.01	.01	(*)	.01	-	(*)	(*)
CONTUSION OR BRUISE-----	22	-	2	1,499	1,501	1,523	211	1,734	.03	2.03	2.06	.28	2.34	178	53	231
CUT OR PUNCTURE-----	-	-	-	699	699	699	1,001	1,700	-	.94	.94	1.35	2.29	-	16	16
DISLOCATION-----	-	-	1	46	47	47	8	55	-	.06	.06	.01	.07	-	3	3
DUST IN EYE-----	-	-	-	45	45	45	54	99	-	.06	.06	.07	.13	-	1	1
ELECTRIC SHOCK-----	6	-	-	17	17	23	4	27	.01	.02	.03	.01	.04	49	1	49
ELECT. BURN (CONTACT)-----	-	-	-	9	9	9	7	16	-	.01	.01	.01	.02	-	(*)	(*)
FRACTURE-----	4	-	6	865	871	875	278	1,153	.01	1.18	1.18	.38	1.56	32	77	110
HEARING IMPAIRMENT-----	-	-	-	2	2	2	1	3	-	(*)	(*)	(*)	(*)	-	(*)	(*)
HERNIA (NOT DISC)-----	-	-	94	9	103	103	-	103	-	.14	.14	-	.14	-	7	7
POISONING (SYSTEMIC)-----	-	-	-	8	8	8	2	10	-	.01	.01	(*)	.01	-	(*)	(*)
RADIATION/ULTRA VIOLET----	-	-	-	86	86	86	13	99	-	.12	.12	.02	.13	-	2	2
SCRATCH/ABRASION-----	-	-	-	63	63	63	20	83	-	.09	.09	.03	.11	-	1	1
STRAIN/SPRAIN-----	-	-	14	4,441	4,455	4,455	329	4,784	-	6.01	6.01	.44	6.46	-	307	307
MULTIPLE INJURIES-----	11	2	7	629	638	649	135	784	.01	.86	.88	.18	1.06	89	75	164
OTHER INJURY, NEC-----	1	-	-	72	72	73	11	84	(*)	.10	.10	.01	.11	8	4	13
UNCLASSIFIED (NO DATA)----	1	-	1	389	390	391	61	452	(*)	.53	.53	.08	.61	8	33	41
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	1	1	-	-	-	(*)	(*)	-	-	-
TOTAL OR AVERAGE-----	45	2	175	8,973	9,150	9,195	2,182	11,377	.06	12.35	12.41	2.94	15.35	364	612	976
SURFACE MINES:																
STRIP:																
AMPUTATION/ENUCLEATION----	-	-	8	-	8	8	-	8	-	.02	.02	-	.02	-	1	1
ASPHYXIATION/DROWNING----	2	-	-	2	2	4	-	4	(*)	(*)	.01	-	.01	26	(*)	26
BURN/SCALD (NOT CHEM.)----	-	-	-	38	38	38	23	61	-	.08	.08	.05	.13	-	2	2
CHEMICAL BURN-----	-	-	-	17	17	17	11	28	-	.04	.04	.02	.06	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	-	4	4	4	2	6	-	.01	.01	(*)	.01	-	(*)	(*)
CONTUSION OR BRUISE-----	-	-	1	167	168	168	49	217	-	.37	.37	.11	.47	-	13	13
CUT OR PUNCTURE-----	-	-	-	135	135	135	347	482	-	.30	.30	.76	1.05	-	5	5
DERMATITIS-----	-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)
DISLOCATION-----	-	-	-	14	14	14	3	17	-	.03	.03	.01	.04	-	2	2
DUST IN EYE-----	-	-	-	10	10	10	43	53	-	.02	.02	.09	.12	-	(*)	(*)
ELECTRIC SHOCK-----	-	-	-	3	3	3	-	3	-	.01	.01	-	.01	-	(*)	(*)
ELECT. BURN (CONTACT)-----	-	-	-	5	5	5	1	6	-	.01	.01	(*)	.01	-	(*)	(*)
FRACTURE-----	2	-	-	165	165	167	75	242	(*)	.36	.37	.16	.53	26	17	43
HERNIA (NOT DISC)-----	-	-	19	2	21	21	-	21	-	.05	.05	-	.05	-	2	2
POISONING (SYSTEMIC)-----	-	-	-	5	5	5	3	8	-	.01	.01	.01	.02	-	(*)	(*)
RADIATION/ULTRA VIOLET----	-	-	-	15	15	15	6	21	-	.03	.03	.01	.05	-	(*)	(*)
SCRATCH/ABRASION-----	-	-	-	15	15	15	18	33	-	.03	.03	.04	.07	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	2	792	794	794	123	917	-	1.74	1.74	.27	2.01	-	66	66
MULTIPLE INJURIES-----	4	-	2	152	154	158	46	204	.01	.34	.35	.10	.45	53	31	83
OTHER INJURY, NEC-----	1	-	-	26	26	27	9	36	(*)	.06	.06	.02	.08	13	3	16
UNCLASSIFIED (NO DATA)----	-	-	1	69	70	70	27	97	-	.15	.15	.06	.21	-	12	12
OCCUPATIONAL DISEASES-----	-	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	9	-	33	1,639	1,672	1,681	786	2,467	.02	3.66	3.68	1.72	5.40	118	155	274

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, 1990 (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													
AUGER:																
AMPUTATION/ENUCLEATION--	-	-	1	-	1	1	-	1	-	.32	.32	-	.32	-	19	19
CONTUSION OR BRUISE-----	-	-	-	-	-	-	1	1	-	-	-	.32	.32	-	-	-
CUT OR PUNCTURE-----	-	-	-	5	5	5	3	8	-	1.59	1.59	.96	2.55	-	10	10
FRACTURE-----	-	-	1	6	7	7	-	7	-	2.23	2.23	-	2.23	-	463	463
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	.32	.32	.32	.64	-	1	1
STRAIN/SPRAIN-----	-	-	-	8	8	8	1	9	-	2.55	2.55	.32	2.87	-	121	121
MULTIPLE INJURIES-----	-	-	-	2	2	2	1	3	-	.64	.64	.32	.96	-	13	13
OTHER INJURY, NEC-----	-	-	-	1	1	1	1	2	-	.32	.32	.32	.64	-	14	14
UNCLASSIFIED (NO DATA)--	-	-	-	4	4	4	2	6	-	1.27	1.27	.64	1.91	-	135	135
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	9.23	9.23	3.18	12.42	-	777	777
CULM BANK:																
BURN/SCALD (NOT CHEM.)--	-	-	-	1	1	1	-	1	-	.30	.30	-	.30	-	1	1
CONTUSION OR BRUISE-----	-	-	-	3	3	3	-	3	-	.90	.90	-	.90	-	14	14
CUT OR PUNCTURE-----	-	-	-	1	1	1	1	2	-	.30	.30	.30	.60	-	2	2
DISLOCATION-----	-	-	-	1	1	1	-	1	-	.30	.30	-	.30	-	72	72
FRACTURE-----	-	-	-	3	3	3	-	3	-	.90	.90	-	.90	-	32	32
STRAIN/SPRAIN-----	-	-	-	12	12	12	1	13	-	3.62	3.62	.30	3.92	-	180	180
MULTIPLE INJURIES-----	-	-	-	3	3	3	1	4	-	.90	.90	.30	1.21	-	76	76
UNCLASSIFIED (NO DATA)--	-	-	-	2	2	2	-	2	-	.60	.60	-	.60	-	2	2
TOTAL OR AVERAGE-----	-	-	-	26	26	26	3	29	-	7.84	7.84	.90	8.75	-	378	378
DREDGE:																
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	1.26	1.26	-	1.26	-	3	3
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	1.26	1.26	-	1.26	-	23	23
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	1.26	1.26	-	1.26	-	10	10
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	3.79	3.79	-	3.79	-	35	35

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, 1990 (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		TEMPO- RARY												TOTAL NFDL
		TOTAL	PARTIAL													
TOTAL OR AVERAGE, SURFACE:																
AMPUTATION/ENUCLEATION----	-	-	9	-	9	9	-	9	-	.02	.02	-	.02	-	1	1
ASPHYXIATION/DROWNING----	2	-	-	2	2	4	-	4	(*)	.01	.01	-	.01	26	(*)	26
BURN/SCALD (NOT CHEM.)----	-	-	-	39	39	39	23	62	-	.08	.08	.05	.13	-	2	2
CHEMICAL BURN-----	-	-	-	17	17	17	11	28	-	.04	.04	.02	.06	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	-	4	4	4	2	6	-	.01	.01	(*)	.01	-	(*)	(*)
CONTUSION OR BRUISE----	-	-	1	171	172	172	50	222	-	.37	.37	.11	.48	-	13	13
CUT OR PUNCTURE-----	-	-	-	142	142	142	351	493	-	.31	.31	.76	1.06	-	5	5
DERMATITIS-----	-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)
DISLOCATION-----	-	-	-	15	15	15	3	18	-	.03	.03	.01	.04	-	2	2
DUST IN EYE-----	-	-	-	10	10	10	43	53	-	.02	.02	.09	.11	-	(*)	(*)
ELECTRIC SHOCK-----	-	-	-	3	3	3	-	3	-	.01	.01	-	.01	-	(*)	(*)
ELECT. BURN (CONTACT)----	-	-	-	5	5	5	1	6	-	.01	.01	(*)	.01	-	(*)	(*)
FRACTURE-----	2	-	1	174	175	177	75	252	(*)	.38	.38	.16	.54	26	20	46
HERNIA (NOT DISC)-----	-	-	19	2	21	21	-	21	-	.05	.05	-	.05	-	2	2
POISONING (SYSTEMIC)----	-	-	-	5	5	5	3	8	-	.01	.01	.01	.02	-	(*)	(*)
RADIATION/ULTRA VIOLET----	-	-	-	15	15	15	6	21	-	.03	.03	.01	.05	-	(*)	(*)
SCRATCH/ABRASION-----	-	-	-	16	16	16	19	35	-	.03	.03	.04	.08	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	2	813	815	815	125	940	-	1.76	1.76	.27	2.02	-	67	67
MULTIPLE INJURIES-----	4	-	2	157	159	163	48	211	.01	.34	.35	.10	.45	52	31	83
OTHER INJURY, NEC-----	1	-	-	27	27	28	10	38	(*)	.06	.06	.02	.08	13	3	16
UNCLASSIFIED (NO DATA)----	-	-	1	75	76	76	29	105	-	.16	.16	.06	.23	-	13	13
OCCUPATIONAL DISEASES----	-	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	9	-	35	1,695	1,730	1,739	799	2,538	.02	3.73	3.75	1.72	5.47	116	161	277
TOTAL OR AVERAGE, MINING:																
AMPUTATION/ENUCLEATION----	-	-	59	-	59	59	-	59	-	.05	.05	-	.05	-	18	18
ASPHYXIATION/DROWNING----	2	-	-	7	7	9	1	10	(*)	.01	.01	(*)	.01	10	(*)	10
BURN/SCALD (NOT CHEM.)----	-	-	-	88	88	88	52	140	-	.07	.07	.04	.12	-	2	2
CHEMICAL BURN-----	-	-	-	48	48	48	25	73	-	.04	.04	.02	.06	-	1	1
CONCUSSION (CEREBRAL)----	-	-	-	13	13	13	4	17	-	.01	.01	(*)	.01	-	(*)	(*)
CONTUSION OR BRUISE----	22	-	3	1,670	1,673	1,695	261	1,956	.02	1.39	1.41	.22	1.62	110	38	147
CUT OR PUNCTURE-----	-	-	-	841	841	841	1,352	2,193	-	.70	.70	1.12	1.82	-	12	12
DERMATITIS-----	-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)
DISLOCATION-----	-	-	1	61	62	62	11	73	-	.05	.05	.01	.06	-	3	3
DUST IN EYE-----	-	-	-	55	55	55	97	152	-	.05	.05	.08	.13	-	(*)	(*)
ELECTRIC SHOCK-----	6	-	-	20	20	26	4	30	(*)	.02	.02	(*)	.02	30	(*)	30
ELECT. BURN (CONTACT)----	-	-	-	14	14	14	8	22	-	.01	.01	.01	.02	-	(*)	(*)
FRACTURE-----	6	-	7	1,039	1,046	1,052	353	1,405	(*)	.87	.87	.29	1.17	30	55	85
HEARING IMPAIRMENT-----	-	-	-	2	2	2	1	3	-	(*)	(*)	(*)	(*)	-	(*)	(*)
HERNIA (NOT DISC)-----	-	-	113	11	124	124	-	124	-	.10	.10	-	.10	-	5	5
POISONING (SYSTEMIC)----	-	-	-	13	13	13	5	18	-	.01	.01	(*)	.01	-	(*)	(*)
RADIATION/ULTRA VIOLET----	-	-	-	101	101	101	19	120	-	.08	.08	.02	.10	-	1	1
SCRATCH/ABRASION-----	-	-	-	79	79	79	39	118	-	.07	.07	.03	.10	-	1	1
STRAIN/SPRAIN-----	-	-	16	5,254	5,270	5,270	454	5,724	-	4.37	4.37	.38	4.75	-	215	215
MULTIPLE INJURIES-----	15	2	9	786	797	812	183	995	.01	.66	.67	.15	.83	75	58	133
OTHER INJURY, NEC-----	2	-	-	99	99	101	21	122	(*)	.08	.08	.02	.10	10	4	14
UNCLASSIFIED (NO DATA)----	1	-	2	464	466	467	90	557	(*)	.39	.39	.07	.46	5	25	30
OCCUPATIONAL DISEASES----	-	-	-	1	1	1	1	2	-	(*)	(*)	(*)	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	54	2	210	10,668	10,880	10,934	2,981	13,915	.04	9.03	9.07	2.47	11.54	269	438	707

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, 1990 (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													
INDEPENDENT SHOPS:																
BURN/SCALD (NOT CHEM.)----	1	-	-	1	1	2	2	4	.09	.09	.18	.18	.37	552	(*)	552
CHEMICAL BURN-----	-	-	-	1	1	1	1	2	-	.09	.09	.09	.18	-	3	3
CONTUSION OR BRUISE-----	-	-	-	8	8	8	7	15	-	.74	.74	.64	1.38	-	39	39
CUT OR PUNCTURE-----	-	-	-	7	7	7	18	25	-	.64	.64	1.66	2.30	-	3	3
DUST IN EYE-----	-	-	-	1	1	1	6	7	-	.09	.09	.55	.64	-	(*)	(*)
FRACTURE-----	-	-	-	7	7	7	4	11	-	.64	.64	.37	1.01	-	25	25
HERNIA (NOT DISC)-----	-	-	2	-	2	2	-	2	-	.18	.18	-	.18	-	9	9
RADIATION/ULTRA VIOLET-----	-	-	-	2	2	2	-	2	-	.18	.18	-	.18	-	(*)	(*)
SCRATCH/ABRASION-----	-	-	-	-	-	-	1	1	-	-	-	.09	.09	-	-	-
STRAIN/SPRAIN-----	-	-	-	35	35	35	5	40	-	3.22	3.22	.46	3.68	-	89	89
MULTIPLE INJURIES-----	-	-	-	6	6	6	3	9	-	.55	.55	.28	.83	-	16	16
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	.09	.09	-	.09	-	1	1
UNCLASSIFIED (NO DATA)-----	-	-	-	1	1	1	1	2	-	.09	.09	.09	.18	-	18	18
TOTAL OR AVERAGE-----	1	-	2	70	72	73	48	121	.09	6.63	6.72	4.42	11.13	552	203	755
PROCESSING PLANTS:																
AMPUTATION/ENUCLEATION----	-	-	11	-	11	11	-	11	-	.07	.07	-	.07	-	48	48
ASPHYXIATION/DROWNING-----	2	-	-	1	1	3	-	3	.01	.01	.02	-	.02	77	(*)	77
BURN/SCALD (NOT CHEM.)----	-	-	-	22	22	22	8	30	-	.14	.14	.05	.19	-	3	3
CHEMICAL BURN-----	-	-	-	4	4	4	8	12	-	.03	.03	.05	.08	-	(*)	(*)
CONCUSSION (CEREBRAL)-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
CONTUSION OR BRUISE-----	-	-	2	97	99	99	21	120	-	.64	.64	.14	.77	-	38	38
CUT OR PUNCTURE-----	-	-	-	69	69	69	161	230	-	.44	.44	1.04	1.48	-	6	6
DERMATITIS-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
DISLOCATION-----	-	-	-	6	6	6	2	8	-	.04	.04	.01	.05	-	1	1
DUST IN EYE-----	-	-	-	11	11	11	18	29	-	.07	.07	.12	.19	-	1	1
ELECTRIC SHOCK-----	1	-	-	-	-	1	-	1	.01	-	.01	-	.01	39	-	39
FRACTURE-----	-	-	-	81	81	81	24	105	-	.52	.52	.15	.68	-	31	31
HERNIA (NOT DISC)-----	-	-	15	-	15	15	-	15	-	.10	.10	-	.10	-	5	5
POISONING (SYSTEMIC)-----	-	-	-	4	4	4	6	10	-	.03	.03	.04	.06	-	1	1
RADIATION/ULTRA VIOLET-----	-	-	-	21	21	21	4	25	-	.14	.14	.03	.16	-	1	1
SCRATCH/ABRASION-----	-	-	-	10	10	10	12	22	-	.06	.06	.08	.14	-	1	1
STRAIN/SPRAIN-----	-	1	-	413	414	414	45	459	-	2.67	2.67	.29	2.96	-	140	140
MULTIPLE INJURIES-----	1	-	-	69	69	70	19	89	.01	.44	.45	.12	.57	39	21	60
OTHER INJURY, NEC-----	-	-	-	9	9	9	1	10	-	.06	.06	.01	.06	-	1	1
UNCLASSIFIED (NO DATA)-----	-	-	1	23	24	24	6	30	-	.15	.15	.04	.19	-	30	30
TOTAL OR AVERAGE-----	4	1	29	841	871	875	336	1,211	.03	5.61	5.64	2.17	7.81	155	328	483

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, 1990 (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													
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	70	-	70	70	-	70	-	.05	.05	-	.05	-	21	21
AMPUTATION/ENUCLEATION----	-	-	-	-	-	-	-	-	-	.01	.01	(*)	.01	18	(*)	18
ASPHYXIATION/DROWNING----	4	-	-	8	8	12	1	13	(*)	.08	.08	.05	.13	4	2	6
BURN/SCALD (NOT CHEM.)----	1	-	-	111	111	112	62	174	-	.04	.04	.02	.06	-	1	1
CHEMICAL BURN-----	-	-	-	53	53	53	34	87	-	.01	.01	(*)	.01	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	-	14	14	14	4	18	-	1.30	1.31	.21	1.52	96	38	134
CONTUSION OR BRUISE-----	22	-	5	1,775	1,780	1,802	289	2,091	.02	.67	.67	1.12	1.79	-	11	11
CUT OR PUNCTURE-----	-	-	-	917	917	917	1,531	2,448	-	(*)	(*)	(*)	(*)	-	(*)	(*)
DERMATITIS-----	-	-	-	2	2	2	1	3	-	.05	.05	.01	.06	-	3	3
DISLOCATION-----	-	-	1	67	68	68	13	81	-	.01	.01	.02	.02	31	(*)	31
DUST IN EYE-----	-	-	-	67	67	67	121	188	-	.06	.06	.04	.10	-	1	1
ELECTRIC SHOCK-----	7	-	-	20	20	27	4	31	.01	.01	.01	.01	.02	-	(*)	(*)
ELECT. BURN (CONTACT)----	-	-	-	14	14	14	8	22	-	.83	.83	.28	1.11	26	52	78
FRACTURE-----	6	-	7	1,127	1,134	1,140	381	1,521	(*)	(*)	(*)	(*)	(*)	-	(*)	(*)
HEARING IMPAIRMENT-----	-	-	-	2	2	2	1	3	-	.10	.10	-	.10	-	5	5
HERNIA (NOT DISC)-----	-	-	130	11	141	141	-	141	-	.01	.01	.01	.02	-	(*)	(*)
POISONING (SYSTEMIC)-----	-	-	-	17	17	17	11	28	-	.09	.09	.02	.11	-	1	1
RADIATION/ULTRA VIOLET----	-	-	-	124	124	124	23	147	-	.06	.06	.04	.10	-	1	1
SCRATCH/ABRASION-----	-	-	-	89	89	89	52	141	-	4.17	4.17	.37	4.54	-	205	205
STRAIN/SPRAIN-----	-	1	16	5,702	5,719	5,719	504	6,223	.01	.64	.65	.15	.80	70	54	124
MULTIPLE INJURIES-----	16	2	9	861	872	888	205	1,093	(*)	.08	.08	.02	.10	9	4	12
OTHER INJURY, NEC-----	2	-	-	109	109	111	22	133	(*)	.36	.36	.07	.43	4	26	30
UNCLASSIFIED (NO DATA)----	1	-	3	488	491	492	97	589	-	(*)	(*)	(*)	(*)	-	(*)	(*)
OCCUPATIONAL DISEASES----	-	-	-	1	1	1	1	2	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	59	3	241	11,579	11,823	11,882	3,365	15,247	.04	8.62	8.66	2.45	11.12	258	424	682
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE-----	-	-	-	2	2	2	2	4	-	.03	.03	.03	.06	-	(*)	(*)
CUT OR PUNCTURE-----	-	-	-	-	-	-	5	5	-	.01	.01	-	.01	-	(*)	(*)
DISLOCATION-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	.03	.03	.01	.04	-	1	1
FRACTURE-----	-	-	-	2	2	2	1	3	-	.10	.10	.04	.15	-	1	1
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	-	7	7	7	3	10	-	.01	.01	-	.01	-	(*)	(*)
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	.03	.03	-	.03	-	1	1
OTHER INJURY, NEC-----	-	-	-	2	2	2	-	2	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	17	17	17	11	28	-	.25	.25	.16	.41	-	3	3

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, 1990 (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													
GRAND TOTAL OR AVERAGE:	-	-	70	-	70	70	-	70	-	.05	.05	-	.05	-	20	20
AMPUTATION/ENUCLEATION----	-	-	-	8	8	12	1	13	(*)	.01	.01	(*)	.01	17	(*)	17
ASPHYXIATION/DROWNING----	4	-	-	111	111	112	62	174	(*)	.08	.08	.04	.12	4	2	6
BURN/SCALD (NOT CHEM.)----	1	-	-	53	53	53	34	87	-	.04	.04	.02	.06	-	(*)	(*)
CHEMICAL BURN-----	-	-	-	14	14	14	4	18	-	.01	.01	(*)	.01	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	-	917	917	917	1,536	2,453	-	.64	.64	1.07	1.70	-	10	10
CONTUSION OR BRUISE-----	22	-	5	1,777	1,782	1,804	291	2,095	.02	1.24	1.25	.20	1.46	92	36	128
CUT OR PUNCTURE-----	-	-	-	2	2	2	1	3	-	(*)	(*)	(*)	(*)	-	(*)	(*)
DERMATITIS-----	-	-	-	68	69	69	13	82	-	.05	.05	.01	.06	-	2	2
DISLOCATION-----	-	-	1	67	67	67	121	188	-	.05	.05	.08	.13	-	(*)	(*)
DUST IN EYE-----	-	-	-	21	21	28	4	32	(*)	.01	.02	(*)	.02	29	(*)	29
ELECTRIC SHOCK-----	7	-	-	14	14	14	8	22	-	.01	.01	.01	.02	-	(*)	(*)
ELECT. BURN (CONTACT)----	-	-	-	1,129	1,136	1,142	382	1,524	(*)	.79	.79	.27	1.06	25	50	75
FRACTURE-----	6	-	7	2	2	2	1	3	-	(*)	(*)	(*)	(*)	-	(*)	(*)
HEARING IMPAIRMENT-----	-	-	-	11	141	141	-	141	-	.10	.10	-	.10	-	5	5
HERNIA (NOT DISC)-----	-	-	130	17	17	17	11	28	-	.01	.01	.01	.02	-	(*)	(*)
POISONING (SYSTEMIC)-----	-	-	-	124	124	124	23	147	-	.09	.09	.02	.10	-	1	1
RADIATION/ULTRA VIOLET----	-	-	-	90	90	90	52	142	-	.06	.06	.04	.10	-	1	1
SCRATCH/ABRASION-----	-	-	-	5,709	5,726	5,726	507	6,233	-	3.98	3.98	.35	4.33	-	196	196
STRAIN/SPRAIN-----	-	1	16	862	873	889	205	1,094	.01	.61	.62	.14	.76	67	51	118
MULTIPLE INJURIES-----	16	2	9	111	111	113	22	135	(*)	.08	.08	.02	.09	8	3	12
OTHER INJURY, NEC-----	2	-	-	488	491	492	97	589	(*)	.34	.34	.07	.41	4	25	29
UNCLASSIFIED (NO DATA)----	1	-	3	1	1	1	1	2	-	(*)	(*)	(*)	(*)	-	(*)	(*)
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,899	3,376	15,275	.04	8.23	8.27	2.35	10.61	246	404	650

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, 1990

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													
UNDERGROUND MINES:																
UNDERGROUND:																
CONTUSION OR BRUISE-----	-	-	-	1	1	1	1	2	-	.51	.51	.51	1.01	-	11	11
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	.51	.51	-	.51	-	1	1
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	.51	.51	-	.51	-	25	25
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	.51	.51	.51	1.01	-	1	1
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	.51	.51	-	.51	-	24	24
MULTIPLE INJURIES-----	-	-	-	3	3	3	-	3	-	1.52	1.52	-	1.52	-	205	205
UNCLASSIFIED (NO DATA)---	-	-	-	1	1	1	-	1	-	.51	.51	-	.51	-	1	1
TOTAL OR AVERAGE-----	-	-	1	8	9	9	2	11	-	4.56	4.56	1.01	5.57	-	267	267
SURFACE AT UNDERGROUND:																
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	1.62	1.62	-	1.62	-	2	2
FRACTURE-----	-	-	-	1	1	1	-	1	-	1.62	1.62	-	1.62	-	11	11
POISONING (SYSTEMIC)-----	-	-	-	-	-	-	1	1	-	-	-	1.62	1.62	-	-	-
TOTAL OR AVERAGE-----	-	-	-	2	2	2	1	3	-	3.25	3.25	1.62	4.87	-	13	13
TOTAL OR AVERAGE, UG:																
CONTUSION OR BRUISE-----	-	-	-	2	2	2	1	3	-	.77	.77	.39	1.16	-	9	9
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	.39	.39	-	.39	-	(*)	(*)
FRACTURE-----	-	-	-	1	1	1	-	1	-	.39	.39	-	.39	-	3	3
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	.39	.39	-	.39	-	19	19
POISONING (SYSTEMIC)-----	-	-	-	-	-	-	1	1	-	-	-	.39	.39	-	-	-
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	.39	.39	.39	.77	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	.39	.39	-	.39	-	19	19
MULTIPLE INJURIES-----	-	-	-	3	3	3	-	3	-	1.16	1.16	-	1.16	-	156	156
UNCLASSIFIED (NO DATA)---	-	-	-	1	1	1	-	1	-	.39	.39	-	.39	-	(*)	(*)
TOTAL OR AVERAGE-----	-	-	1	10	11	11	3	14	-	4.25	4.25	1.16	5.40	-	207	207
SURFACE MINES:																
STRIP:																
BURN/SCALD (NOT CHEM.)---	-	-	-	1	1	1	-	1	-	.15	.15	-	.15	-	1	1
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	.15	.15	-	.15	-	(*)	(*)
CONTUSION OR BRUISE-----	-	-	-	6	6	6	-	6	-	.91	.91	-	.91	-	35	35
CUT OR PUNCTURE-----	-	-	-	5	5	5	5	10	-	.76	.76	.76	1.52	-	7	7
DUST IN EYE-----	-	-	-	-	-	-	1	1	-	-	-	.15	.15	-	-	-
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	.15	.15	-	.15	-	4	4
FRACTURE-----	-	-	-	8	8	8	3	11	-	1.21	1.21	.46	1.67	-	41	41
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	.15	.15	-	.15	-	8	8
STRAIN/SPRAIN-----	-	-	-	39	39	39	4	43	-	5.92	5.92	.61	6.52	-	462	462
MULTIPLE INJURIES-----	-	-	-	5	5	5	-	5	-	.76	.76	-	.76	-	54	54
OTHER INJURY, NEC-----	-	-	-	4	4	4	-	4	-	.61	.61	-	.61	-	58	58
UNCLASSIFIED (NO DATA)---	-	-	-	6	6	6	1	7	-	.91	.91	.15	1.06	-	52	52
TOTAL OR AVERAGE-----	-	-	1	76	77	77	14	91	-	11.68	11.68	2.12	13.81	-	721	721

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, 1990 (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													
CULM BANK:																
CONTUSION OR BRUISE-----	-	-	-	2	2	2	-	2	-	1.03	1.03	-	1.03	-	8	8
CUT OR PUNCTURE-----	-	-	-	1	1	1	1	2	-	.52	.52	.52	1.03	-	4	4
DISLOCATION-----	-	-	-	1	1	1	-	1	-	.52	.52	-	.52	-	124	124
FRACTURE-----	-	-	-	2	2	2	-	2	-	1.03	1.03	-	1.03	-	50	50
STRAIN/SPRAIN-----	-	-	-	8	8	8	1	9	-	4.13	4.13	.52	4.65	-	181	181
MULTIPLE INJURIES-----	-	-	-	2	2	2	1	3	-	1.03	1.03	.52	1.55	-	120	120
TOTAL OR AVERAGE-----	-	-	-	16	16	16	3	19	-	8.27	8.27	1.55	9.82	-	487	487
TOTAL OR AVERAGE, SURFACE:																
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	.12	.12	-	.12	-	1	1
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	.12	.12	-	.12	-	(*)	(*)
CONTUSION OR BRUISE-----	-	-	-	8	8	8	-	8	-	.94	.94	-	.94	-	29	29
CUT OR PUNCTURE-----	-	-	-	6	6	6	6	12	-	.70	.70	.70	1.40	-	6	6
DISLOCATION-----	-	-	-	1	1	1	-	1	-	.12	.12	-	.12	-	28	28
DUST IN EYE-----	-	-	-	-	-	-	1	1	-	-	-	.12	.12	-	-	-
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	.12	.12	-	.12	-	3	3
FRACTURE-----	-	-	-	10	10	10	3	13	-	1.17	1.17	.35	1.52	-	43	43
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	.12	.12	-	.12	-	6	6
STRAIN/SPRAIN-----	-	-	-	47	47	47	5	52	-	5.50	5.50	.59	6.09	-	397	397
MULTIPLE INJURIES-----	-	-	-	7	7	7	1	8	-	.82	.82	.12	.94	-	69	69
OTHER INJURY, NEC-----	-	-	-	4	4	4	-	4	-	.47	.47	-	.47	-	45	45
UNCLASSIFIED (NO DATA)----	-	-	-	6	6	6	1	7	-	.70	.70	.12	.82	-	40	40
TOTAL OR AVERAGE-----	-	-	1	92	93	93	17	110	-	10.89	10.89	1.99	12.88	-	666	666
TOTAL OR AVERAGE, MINING:																
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	.09	.09	-	.09	-	(*)	(*)
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	.09	.09	-	.09	-	(*)	(*)
CONTUSION OR BRUISE-----	-	-	-	10	10	10	1	11	-	.90	.90	.09	.99	-	24	24
CUT OR PUNCTURE-----	-	-	-	7	7	7	6	13	-	.63	.63	.54	1.17	-	5	5
DISLOCATION-----	-	-	-	1	1	1	-	1	-	.09	.09	-	.09	-	22	22
DUST IN EYE-----	-	-	-	-	-	-	1	1	-	-	-	.09	.09	-	-	-
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	.09	.09	-	.09	-	3	3
FRACTURE-----	-	-	-	11	11	11	3	14	-	.99	.99	.27	1.26	-	34	34
HERNIA (NOT DISC)-----	-	-	2	-	2	2	-	2	-	.18	.18	-	.18	-	9	9
POISONING (SYSTEMIC)-----	-	-	-	-	-	-	1	1	-	-	-	.09	.09	-	-	-
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	.09	.09	.09	.18	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	-	48	48	48	5	53	-	4.31	4.31	.45	4.76	-	309	309
MULTIPLE INJURIES-----	-	-	-	10	10	10	1	11	-	.90	.90	.09	.99	-	89	89
OTHER INJURY, NEC-----	-	-	-	4	4	4	-	4	-	.36	.36	-	.36	-	34	34
UNCLASSIFIED (NO DATA)----	-	-	-	7	7	7	1	8	-	.63	.63	.09	.72	-	31	31
TOTAL OR AVERAGE-----	-	-	2	102	104	104	20	124	-	9.34	9.34	1.80	11.14	-	559	559
INDEPENDENT SHOPS:																
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	2.52	2.52	-	2.52	-	8	8
CONTUSION OR BRUISE-----	-	-	-	-	-	-	2	2	-	-	-	5.04	5.04	-	-	-
STRAIN/SPRAIN-----	-	-	-	1	1	1	1	2	-	2.52	2.52	2.52	5.04	-	50	50
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	2.52	2.52	-	2.52	-	501	501
TOTAL OR AVERAGE-----	-	-	-	3	3	3	3	6	-	7.56	7.56	7.56	15.12	-	559	559

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, 1990 (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													
PROCESSING PLANTS:																
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	.14	.14	-	.14	-	30	30
ASPHYXIATION/DROWNING----	2	-	-	-	-	2	-	2	.29	-	.29	-	.29	1,730	-	1,730
BURN/SCALD (NOT CHEM.)----	-	-	-	3	3	3	1	4	-	.43	.43	.14	.58	-	7	7
CONTUSION OR BRUISE----	-	-	-	10	10	10	1	11	-	1.44	1.44	.14	1.59	-	40	40
CUT OR PUNCTURE----	-	-	-	8	8	8	5	13	-	1.15	1.15	.72	1.87	-	14	14
DISLOCATION----	-	-	-	1	1	1	-	1	-	.14	.14	-	.14	-	10	10
FRACTURE----	-	-	-	4	4	4	1	5	-	.58	.58	.14	.72	-	39	39
HERNIA (NOT DISC)----	-	-	2	-	2	2	-	2	-	.29	.29	-	.29	-	14	14
RADIATION/ULTRA VIOLET----	-	-	-	4	4	4	-	4	-	.58	.58	-	.58	-	1	1
SCRATCH/ABRASION----	-	-	-	1	1	1	-	1	-	.14	.14	-	.14	-	(*)	(*)
STRAIN/SPRAIN----	-	1	-	38	39	39	4	43	-	5.62	5.62	.58	6.20	-	1,025	1,025
MULTIPLE INJURIES----	-	-	-	5	5	5	3	8	-	.72	.72	.43	1.15	-	27	27
OTHER INJURY, NEC----	-	-	-	1	1	1	-	1	-	.14	.14	-	.14	-	3	3
UNCLASSIFIED (NO DATA)----	-	-	-	5	5	5	-	5	-	.72	.72	-	.72	-	48	48
TOTAL OR AVERAGE-----	2	1	3	80	84	86	15	101	.29	12.11	12.40	2.16	14.56	1,730	1,260	2,990

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, 1990 (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		TEMPO- RARY												TOTAL NFDL
		TOTAL	PARTIAL													
TOTAL OR AVERAGE.																
ALL MINES AND PLANTS:																
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	.05	.05	-	.05	-	11	11
ASPHYXIATION/DROWNING----	2	-	-	-	-	2	-	2	.11	-	.11	-	.11	650	-	650
BURN/SCALD (NOT CHEM.)----	-	-	-	5	5	5	1	6	-	.27	.27	.05	.32	-	3	3
CHEMICAL BURN----	-	-	-	1	1	1	-	1	-	.05	.05	-	.05	-	(*)	(*)
CONTUSION OR BRUISE----	-	-	-	20	20	20	4	24	-	1.08	1.08	.22	1.30	-	30	30
CUT OR PUNCTURE----	-	-	-	15	15	15	11	26	-	.81	.81	.60	1.41	-	8	8
DISLOCATION----	-	-	-	2	2	2	-	2	-	.11	.11	-	.11	-	17	17
DUST IN EYE----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
ELECTRIC SHOCK----	-	-	-	1	1	1	-	1	-	.05	.05	-	.05	-	2	2
FRACTURE----	-	-	-	15	15	15	4	19	-	.81	.81	.22	1.03	-	35	35
HERNIA (NOT DISC)----	-	-	4	-	4	4	-	4	-	.22	.22	-	.22	-	11	11
POISONING (SYSTEMIC)----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
RADIATION/ULTRA VIOLET----	-	-	-	4	4	4	-	4	-	.22	.22	-	.22	-	(*)	(*)
SCRATCH/ABRASION----	-	-	-	2	2	2	1	3	-	.11	.11	.05	.16	-	(*)	(*)
STRAIN/SPRAIN----	-	1	-	87	88	88	10	98	-	4.77	4.77	.54	5.31	-	573	573
MULTIPLE INJURIES----	-	-	-	15	15	15	4	19	-	.81	.81	.22	1.03	-	64	64
OTHER INJURY, NEC----	-	-	-	5	5	5	-	5	-	.27	.27	-	.27	-	22	22
UNCLASSIFIED (NO DATA)----	-	-	-	13	13	13	1	14	-	.70	.70	.05	.76	-	47	47
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	.11	10.34	10.45	2.06	12.51	650	823	1,472
GRAND TOTAL OR AVERAGE:																
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	.05	.05	-	.05	-	11	11
ASPHYXIATION/DROWNING----	2	-	-	-	-	2	-	2	.10	-	.10	-	.10	616	-	616
BURN/SCALD (NOT CHEM.)----	-	-	-	5	5	5	1	6	-	.26	.26	.05	.31	-	3	3
CHEMICAL BURN----	-	-	-	1	1	1	-	1	-	.05	.05	-	.05	-	(*)	(*)
CONTUSION OR BRUISE----	-	-	-	20	20	20	4	24	-	1.03	1.03	.21	1.23	-	28	28
CUT OR PUNCTURE----	-	-	-	15	15	15	11	26	-	.77	.77	.56	1.33	-	8	8
DISLOCATION----	-	-	-	2	2	2	-	2	-	.10	.10	-	.10	-	16	16
DUST IN EYE----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
ELECTRIC SHOCK----	-	-	-	1	1	1	-	1	-	.05	.05	-	.05	-	1	1
FRACTURE----	-	-	-	15	15	15	4	19	-	.77	.77	.21	.97	-	33	33
HERNIA (NOT DISC)----	-	-	4	-	4	4	-	4	-	.21	.21	-	.21	-	10	10
POISONING (SYSTEMIC)----	-	-	-	-	-	-	1	1	-	-	-	.05	.05	-	-	-
RADIATION/ULTRA VIOLET----	-	-	-	4	4	4	-	4	-	.21	.21	-	.21	-	(*)	(*)
SCRATCH/ABRASION----	-	-	-	2	2	2	1	3	-	.10	.10	.05	.15	-	(*)	(*)
STRAIN/SPRAIN----	-	1	-	87	88	88	10	98	-	4.52	4.52	.51	5.03	-	542	542
MULTIPLE INJURIES----	-	-	-	15	15	15	4	19	-	.77	.77	.21	.97	-	61	61
OTHER INJURY, NEC----	-	-	-	5	5	5	-	5	-	.26	.26	-	.26	-	21	21
UNCLASSIFIED (NO DATA)----	-	-	-	13	13	13	1	14	-	.67	.67	.05	.72	-	45	45
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	.10	9.80	9.90	1.95	11.85	616	779	1,395

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, 1990

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	PARTIAL													
UNDERGROUND MINES:																
UNDERGROUND:																
AMPUTATION/ENUCLATION----	-	-	43	-	43	43	-	43	-	.06	.06	-	.06	-	30	30
ASPHYXIATION/DROWNING----	-	-	-	4	4	4	1	5	-	.01	.01	(*)	.01	-	(*)	(*)
BURN/SCALD (NOT CHEM.)----	-	-	-	46	46	46	23	69	-	.07	.07	.03	.10	-	2	2
CHEMICAL BURN-----	-	-	-	30	30	30	10	40	-	.04	.04	.01	.06	-	1	1
CONCUSSION (CEREBRAL)----	-	-	-	8	8	8	2	10	-	.01	.01	(*)	.01	-	(*)	(*)
CONTUSION OR BRUISE-----	22	-	2	1,411	1,413	1,435	191	1,626	.03	2.11	2.14	.29	2.43	197	56	253
CUT OR PUNCTURE-----	-	-	-	636	636	636	888	1,524	-	.95	.95	1.33	2.28	-	16	16
DISLOCATION-----	-	-	1	44	45	45	7	52	-	.07	.07	.01	.08	-	4	4
DUST IN EYE-----	-	-	-	42	42	42	47	89	-	.06	.06	.07	.13	-	1	1
ELECTRIC SHOCK-----	5	-	-	17	17	22	4	26	.01	.03	.03	.01	.04	45	1	45
ELECT. BURN (CONTACT)----	-	-	-	9	9	9	6	15	-	.01	.01	.01	.02	-	(*)	(*)
FRACTURE-----	4	-	5	819	824	828	247	1,075	.01	1.23	1.24	.37	1.61	36	80	116
HEARING IMPAIRMENT-----	-	-	-	2	2	2	1	3	-	(*)	(*)	(*)	(*)	-	(*)	(*)
HERNIA (NOT DISC)-----	-	-	85	7	92	92	-	92	-	.14	.14	-	.14	-	7	7
POISONING (SYSTEMIC)-----	-	-	-	4	4	4	-	4	-	.01	.01	-	.01	-	(*)	(*)
RADIATION/ULTRA VIOLET----	-	-	-	75	75	75	9	84	-	.11	.11	.01	.13	-	2	2
SCRATCH/ABRASION-----	-	-	-	60	60	60	16	76	-	.09	.09	.02	.11	-	1	1
STRAIN/SPRAIN-----	-	-	13	4,144	4,157	4,157	300	4,457	-	6.21	6.21	.45	6.66	-	317	317
MULTIPLE INJURIES-----	10	2	7	589	598	608	118	726	.01	.89	.91	.18	1.08	90	79	169
OTHER INJURY, NEC-----	1	-	-	69	69	70	9	79	(*)	.10	.10	.01	.12	9	5	14
UNCLASSIFIED (NO DATA)----	1	-	1	369	370	371	60	431	(*)	.55	.55	.09	.64	9	35	44
OCCUPATIONAL DISEASES----	-	-	-	-	-	-	1	1	-	-	-	(*)	(*)	-	-	-
TOTAL OR AVERAGE-----	43	2	157	8,385	8,544	8,587	1,940	10,527	.06	12.76	12.83	2.90	15.73	385	637	1,022
SURFACE AT UNDERGROUND:																
AMPUTATION/ENUCLATION----	-	-	7	-	7	7	-	7	-	.10	.10	-	.10	-	13	13
ASPHYXIATION/DROWNING----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
BURN/SCALD (NOT CHEM.)----	-	-	-	3	3	3	6	9	-	.04	.04	.09	.13	-	(*)	(*)
CHEMICAL BURN-----	-	-	-	1	1	1	4	5	-	.01	.01	.06	.07	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
CONTUSION OR BRUISE-----	-	-	-	86	86	86	19	105	-	1.25	1.25	.28	1.52	-	26	26
CUT OR PUNCTURE-----	-	-	-	62	62	62	113	175	-	.90	.90	1.64	2.53	-	12	12
DISLOCATION-----	-	-	-	2	2	2	1	3	-	.03	.03	.01	.04	-	(*)	(*)
DUST IN EYE-----	-	-	-	3	3	3	7	10	-	.04	.04	.10	.14	-	(*)	(*)
ELECTRIC SHOCK-----	1	-	-	-	-	1	-	1	.01	-	.01	-	.01	87	-	87
ELECT. BURN (CONTACT)----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
FRACTURE-----	-	-	1	45	46	46	31	77	-	.67	.67	.45	1.11	-	48	48
HERNIA (NOT DISC)-----	-	-	8	2	10	10	-	10	-	.14	.14	-	.14	-	7	7
POISONING (SYSTEMIC)-----	-	-	-	4	4	4	1	5	-	.06	.06	.01	.07	-	1	1
RADIATION/ULTRA VIOLET----	-	-	-	11	11	11	4	15	-	.16	.16	.06	.22	-	5	5
SCRATCH/ABRASION-----	-	-	-	2	2	2	3	5	-	.03	.03	.04	.07	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	1	296	297	297	29	326	-	4.30	4.30	.42	4.72	-	227	227
MULTIPLE INJURIES-----	1	-	-	37	37	38	17	55	.01	.54	.55	.25	.80	87	30	117
OTHER INJURY, NEC-----	-	-	-	3	3	3	2	5	-	.04	.04	.03	.07	-	1	1
UNCLASSIFIED (NO DATA)----	-	-	-	19	19	19	1	20	-	.28	.28	.01	.29	-	13	13
TOTAL OR AVERAGE-----	2	-	17	578	595	597	239	836	.03	8.61	8.64	3.46	12.10	174	385	558

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, 1990 (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													
TOTAL OR AVERAGE, UG:																
AMPUTATION/ENUCLEATION----	-	-	50	-	50	50	-	50	-	.07	.07	-	.07	-	28	28
ASPHYXIATION/DROWNING----	-	-	-	5	5	5	1	6	-	.01	.01	(*)	.01	-	(*)	(*)
BURN/SCALD (NOT CHEM.)----	-	-	-	49	49	49	29	78	-	.07	.07	.04	.11	-	2	2
CHEMICAL BURN-----	-	-	-	31	31	31	14	45	-	.04	.04	.02	.06	-	1	1
CONCUSSION (CEREBRAL)----	-	-	-	9	9	9	2	11	-	.01	.01	(*)	.01	-	(*)	(*)
CONTUSION OR BRUISE-----	22	-	2	1,497	1,499	1,521	210	1,731	.03	2.03	2.06	.28	2.34	179	53	232
CUT OR PUNCTURE-----	-	-	-	698	698	698	1,001	1,699	-	.95	.95	1.36	2.30	-	16	16
DISLOCATION-----	-	-	1	46	47	47	8	55	-	.06	.06	.01	.07	-	3	3
DUST IN EYE-----	-	-	-	45	45	45	54	99	-	.06	.06	.07	.13	-	1	1
ELECTRIC SHOCK-----	6	-	-	17	17	23	4	27	.01	.02	.03	.01	.04	49	1	49
ELECT. BURN (CONTACT)-----	-	-	-	9	9	9	7	16	-	.01	.01	.01	.02	-	(*)	(*)
FRACTURE-----	4	-	6	864	870	874	278	1,152	.01	1.18	1.18	.38	1.56	32	77	110
HEARING IMPAIRMENT-----	-	-	-	2	2	2	1	3	-	(*)	(*)	(*)	(*)	-	(*)	(*)
HERNIA (NOT DISC)-----	-	-	93	9	102	102	-	102	-	.14	.14	-	.14	-	7	7
POISONING (SYSTEMIC)-----	-	-	-	8	8	8	1	9	-	.01	.01	(*)	.01	-	(*)	(*)
RADIATION/ULTRA VIOLET-----	-	-	-	86	86	86	13	99	-	.12	.12	.02	.13	-	2	2
SCRATCH/ABRASION-----	-	-	-	62	62	62	19	81	-	.08	.08	.03	.11	-	1	1
STRAIN/SPRAIN-----	-	-	14	4,440	4,454	4,454	329	4,783	-	6.03	6.03	.45	6.48	-	308	308
MULTIPLE INJURIES-----	11	2	7	626	635	646	135	781	.01	.86	.87	.18	1.06	89	75	164
OTHER INJURY, NEC-----	1	-	-	72	72	73	11	84	(*)	.10	.10	.01	.11	8	5	13
UNCLASSIFIED (NO DATA)-----	1	-	1	388	389	390	61	451	(*)	.53	.53	.08	.61	8	33	42
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	1	1	-	-	-	(*)	(*)	-	-	-
TOTAL OR AVERAGE-----	45	2	174	8,963	9,139	9,184	2,179	11,363	.06	12.38	12.44	2.95	15.39	366	613	979
SURFACE MINES:																
STRIP:																
AMPUTATION/ENUCLEATION----	-	-	8	-	8	8	-	8	-	.02	.02	-	.02	-	1	1
ASPHYXIATION/DROWNING----	2	-	-	2	2	4	-	4	(*)	(*)	.01	-	.01	27	(*)	27
BURN/SCALD (NOT CHEM.)----	-	-	-	37	37	37	23	60	-	.08	.08	.05	.13	-	2	2
CHEMICAL BURN-----	-	-	-	16	16	16	11	27	-	.04	.04	.02	.06	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	-	4	4	4	2	6	-	.01	.01	(*)	.01	-	(*)	(*)
CONTUSION OR BRUISE-----	-	-	1	161	162	162	49	211	-	.36	.36	.11	.47	-	13	13
CUT OR PUNCTURE-----	-	-	-	130	130	130	342	472	-	.29	.29	.76	1.05	-	5	5
DERMATITIS-----	-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)
DISLOCATION-----	-	-	-	14	14	14	3	17	-	.03	.03	.01	.04	-	2	2
DUST IN EYE-----	-	-	-	10	10	10	42	52	-	.02	.02	.09	.12	-	(*)	(*)
ELECTRIC SHOCK-----	-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)
ELECT. BURN (CONTACT)-----	-	-	-	5	5	5	1	6	-	.01	.01	(*)	.01	-	(*)	(*)
FRACTURE-----	2	-	-	157	157	159	72	231	(*)	.35	.35	.16	.51	27	17	43
HERNIA (NOT DISC)-----	-	-	18	2	20	20	-	20	-	.04	.04	-	.04	-	2	2
POISONING (SYSTEMIC)-----	-	-	-	5	5	5	3	8	-	.01	.01	.01	.02	-	(*)	(*)
RADIATION/ULTRA VIOLET-----	-	-	-	15	15	15	6	21	-	.03	.03	.01	.05	-	(*)	(*)
SCRATCH/ABRASION-----	-	-	-	15	15	15	18	33	-	.03	.03	.04	.07	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	2	753	755	755	119	874	-	1.68	1.68	.26	1.94	-	61	61
MULTIPLE INJURIES-----	4	-	2	147	149	153	46	199	.01	.33	.34	.10	.44	53	31	84
OTHER INJURY, NEC-----	1	-	-	22	22	23	9	32	(*)	.05	.05	.02	.07	13	2	15
UNCLASSIFIED (NO DATA)-----	-	-	1	63	64	64	26	90	-	.14	.14	.06	.20	-	11	11
OCCUPATIONAL DISEASES-----	-	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	9	-	32	1,563	1,595	1,604	772	2,376	.02	3.54	3.56	1.71	5.27	120	147	267

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, 1990 (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													
AUGER:																
AMPUTATION/ENUCLEATION--	-	-	1	-	1	1	-	1	-	.32	.32	-	.32	-	19	19
CONTUSION OR BRUISE-----	-	-	-	-	-	-	1	1	-	-	-	.32	.32	-	-	-
CUT OR PUNCTURE-----	-	-	-	5	5	5	3	8	-	1.59	1.59	.96	2.55	-	10	10
FRACTURE-----	-	-	1	6	7	7	-	7	-	2.23	2.23	-	2.23	-	463	463
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	.32	.32	.32	.64	-	1	1
STRAIN/SPRAIN-----	-	-	-	8	8	8	1	9	-	2.55	2.55	.32	2.87	-	121	121
MULTIPLE INJURIES-----	-	-	-	2	2	2	1	3	-	.64	.64	.32	.96	-	13	13
OTHER INJURY, NEC-----	-	-	-	1	1	1	1	2	-	.32	.32	.32	.64	-	14	14
UNCLASSIFIED (NO DATA)--	-	-	-	4	4	4	2	6	-	1.27	1.27	.64	1.91	-	135	135
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	9.23	9.23	3.18	12.42	-	777	777
CULM BANK:																
BURN/SCALD (NOT CHEM.)--	-	-	-	1	1	1	-	1	-	.72	.72	-	.72	-	1	1
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	.72	.72	-	.72	-	22	22
FRACTURE-----	-	-	-	1	1	1	-	1	-	.72	.72	-	.72	-	7	7
STRAIN/SPRAIN-----	-	-	-	4	4	4	-	4	-	2.90	2.90	-	2.90	-	178	178
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	.72	.72	-	.72	-	14	14
UNCLASSIFIED (NO DATA)--	-	-	-	2	2	2	-	2	-	1.45	1.45	-	1.45	-	4	4
TOTAL OR AVERAGE-----	-	-	-	10	10	10	-	10	-	7.24	7.24	-	7.24	-	227	227
DPEDGE:																
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	1.29	1.29	-	1.29	-	3	3
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	1.29	1.29	-	1.29	-	23	23
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	1.29	1.29	-	1.29	-	10	10
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	3.86	3.86	-	3.86	-	36	36

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, 1990 (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	PARTIAL													
TOTAL OR AVERAGE, SURFACE:																
AMPUTATION/ENUCLEATION----	-	-	9	-	9	9	-	9	-	.02	.02	-	.02	-	2	2
ASPHYXIATION/DROWNING----	2	-	-	2	2	4	-	4	(*)	(*)	.01	-	.01	26	(*)	26
BURN/SCALD (NOT CHEM.)----	-	-	-	38	38	38	23	61	-	.08	.08	.05	.13	-	2	2
CHEMICAL BURN----	-	-	-	16	16	16	11	27	-	.04	.04	.02	.06	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	-	4	4	4	2	6	-	.01	.01	(*)	.01	-	(*)	(*)
CONTUSION OR BRUISE----	-	-	1	163	164	164	50	214	-	.36	.36	.11	.47	-	13	13
CUT OR PUNCTURE----	-	-	-	136	136	136	345	481	-	.30	.30	.76	1.06	-	5	5
DERMATITIS----	-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)
DISLOCATION----	-	-	-	14	14	14	3	17	-	.03	.03	.01	.04	-	2	2
DUST IN EYE----	-	-	-	10	10	10	42	52	-	.02	.02	.09	.11	-	(*)	(*)
ELECTRIC SHOCK----	-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)
ELECT. BURN (CONTACT)----	-	-	-	5	5	5	1	6	-	.01	.01	(*)	.01	-	(*)	(*)
FRACTURE----	2	-	1	164	165	167	72	239	(*)	.36	.37	.16	.52	26	20	46
HERNIA (NOT DISC)----	-	-	18	2	20	20	-	20	-	.04	.04	-	.04	-	2	2
POISONING (SYSTEMIC)----	-	-	-	5	5	5	3	8	-	.01	.01	.01	.02	-	(*)	(*)
RADIATION/ULTRA VIOLET----	-	-	-	15	15	15	6	21	-	.03	.03	.01	.05	-	(*)	(*)
SCRATCH/ABRASION----	-	-	-	16	16	16	19	35	-	.04	.04	.04	.08	-	(*)	(*)
STRAIN/SPRAIN----	-	-	2	766	768	768	120	888	-	1.69	1.69	.26	1.95	-	61	61
MULTIPLE INJURIES----	4	-	2	150	152	156	47	203	.01	.33	.34	.10	.45	53	30	83
OTHER INJURY, NEC----	1	-	-	23	23	24	10	34	(*)	.05	.05	.02	.07	13	2	15
UNCLASSIFIED (NO DATA)----	-	-	1	69	70	70	28	98	-	.15	.15	.06	.22	-	12	12
OCCUPATIONAL DISEASES----	-	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	9	-	34	1,603	1,637	1,646	782	2,428	.02	3.59	3.61	1.72	5.33	118	152	270
TOTAL OR AVERAGE, MINING:																
AMPUTATION/ENUCLEATION----	-	-	59	-	59	59	-	59	-	.05	.05	-	.05	-	18	18
ASPHYXIATION/DROWNING----	2	-	-	7	7	9	1	10	(*)	.01	.01	(*)	.01	10	(*)	10
BURN/SCALD (NOT CHEM.)----	-	-	-	87	87	87	52	139	-	.07	.07	.04	.12	-	2	2
CHEMICAL BURN----	-	-	-	47	47	47	25	72	-	.04	.04	.02	.06	-	1	1
CONCUSSION (CEREBRAL)----	-	-	-	13	13	13	4	17	-	.01	.01	(*)	.01	-	(*)	(*)
CONTUSION OR BRUISE----	22	-	3	1,660	1,663	1,685	260	1,945	.02	1.39	1.41	.22	1.63	111	38	148
CUT OR PUNCTURE----	-	-	-	834	834	834	1,346	2,180	-	.70	.70	1.13	1.83	-	12	12
DERMATITIS----	-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)
DISLOCATION----	-	-	1	60	61	61	11	72	-	.05	.05	.01	.06	-	3	3
DUST IN EYE----	-	-	-	55	55	55	96	151	-	.05	.05	.08	.13	-	(*)	(*)
ELECTRIC SHOCK----	6	-	-	19	19	25	4	29	.01	.02	.02	(*)	.02	30	(*)	30
ELECT. BURN (CONTACT)----	-	-	-	14	14	14	8	22	-	.01	.01	.01	.02	-	(*)	(*)
FRACTURE----	6	-	7	1,028	1,035	1,041	350	1,391	.01	.87	.87	.29	1.16	30	55	86
HEARING IMPAIRMENT----	-	-	-	2	2	2	1	3	-	(*)	(*)	(*)	(*)	-	(*)	(*)
HERNIA (NOT DISC)----	-	-	111	11	122	122	-	122	-	.10	.10	-	.10	-	5	5
POISONING (SYSTEMIC)----	-	-	-	13	13	13	4	17	-	.01	.01	(*)	.01	-	(*)	(*)
RADIATION/ULTRA VIOLET----	-	-	-	101	101	101	19	120	-	.08	.08	.02	.10	-	1	1
SCRATCH/ABRASION----	-	-	-	78	78	78	38	116	-	.07	.07	.03	.10	-	1	1
STRAIN/SPRAIN----	-	-	16	5,206	5,222	5,222	449	5,671	-	4.37	4.37	.38	4.75	-	214	214
MULTIPLE INJURIES----	15	2	9	776	787	802	182	984	.01	.66	.67	.15	.82	75	58	133
OTHER INJURY, NEC----	2	-	-	95	95	97	21	118	(*)	.08	.08	.02	.10	10	4	14
UNCLASSIFIED (NO DATA)----	1	-	2	457	459	460	89	549	(*)	.38	.39	.07	.46	5	25	30
OCCUPATIONAL DISEASES----	-	-	-	1	1	1	1	2	-	(*)	(*)	(*)	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	54	2	208	10,566	10,776	10,830	2,961	13,791	.05	9.02	9.07	2.48	11.55	271	437	708

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, 1990 (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													
INDEPENDENT SHOPS:																
BURN/SCALD (NOT CHEM.)----	1	-	-	-	-	1	2	3	.10	-	.10	.19	.29	573	-	573
CHEMICAL BURN-----	-	-	-	1	1	1	1	2	-	.10	.10	.10	.19	-	3	3
CONTUSION OR BRUISE-----	-	-	-	8	8	8	5	13	-	.76	.76	.48	1.24	-	40	40
CUT OR PUNCTURE-----	-	-	-	7	7	7	18	25	-	.67	.67	1.72	2.39	-	3	3
DUST IN EYE-----	-	-	-	1	1	1	6	7	-	.10	.10	.57	.67	-	(*)	(*)
FRACTURE-----	-	-	-	7	7	7	4	11	-	.67	.67	.38	1.05	-	26	26
HERNIA (NOT DISC)-----	-	-	2	-	2	2	-	2	-	.19	.19	-	.19	-	10	10
RADIATION/ULTRA VIOLET----	-	-	-	2	2	2	-	2	-	.19	.19	-	.19	-	(*)	(*)
SCRATCH/ABRASION-----	-	-	-	-	-	-	1	1	-	-	-	.10	.10	-	-	-
STRAIN/SPRAIN-----	-	-	-	34	34	34	4	38	-	3.25	3.25	.38	3.63	-	90	90
MULTIPLE INJURIES-----	-	-	-	6	6	6	3	9	-	.57	.57	.29	.86	-	16	16
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	.10	.10	-	.10	-	1	1
UNCLASSIFIED (NO DATA)----	-	-	-	-	-	-	1	1	-	-	-	.10	.10	-	-	-
TOTAL OR AVERAGE-----	1	-	2	67	69	70	45	115	.10	6.59	6.69	4.30	10.98	573	190	763
PROCESSING PLANTS:																
AMPUTATION/ENUCLEATION----	-	-	10	-	10	10	-	10	-	.07	.07	-	.07	-	48	48
ASPHYXIATION/DROWNING----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
BURN/SCALD (NOT CHEM.)----	-	-	-	19	19	19	7	26	-	.13	.13	.05	.18	-	3	3
CHEMICAL BURN-----	-	-	-	4	4	4	8	12	-	.03	.03	.05	.08	-	(*)	(*)
CONCUSSION (CEREBRAL)-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
CONTUSION OR BRUISE-----	-	-	2	87	89	89	20	109	-	.60	.60	.13	.74	-	38	38
CUT OR PUNCTURE-----	-	-	-	61	61	61	156	217	-	.41	.41	1.05	1.46	-	6	6
DERMATITIS-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
DISLOCATION-----	-	-	-	5	5	5	2	7	-	.03	.03	.01	.05	-	1	1
DUST IN EYE-----	-	-	-	11	11	11	18	29	-	.07	.07	.12	.20	-	1	1
ELECTRIC SHOCK-----	1	-	-	-	-	1	-	1	.01	-	.01	-	.01	40	-	40
FRACTURE-----	-	-	-	77	77	77	23	100	-	.52	.52	.16	.67	-	30	30
HERNIA (NOT DISC)-----	-	-	13	-	13	13	-	13	-	.09	.09	-	.09	-	4	4
POISONING (SYSTEMIC)-----	-	-	-	4	4	4	6	10	-	.03	.03	.04	.07	-	1	1
RADIATION/ULTRA VIOLET----	-	-	-	17	17	17	4	21	-	.11	.11	.03	.14	-	1	1
SCRATCH/ABRASION-----	-	-	-	9	9	9	12	21	-	.06	.06	.08	.14	-	1	1
STRAIN/SPRAIN-----	-	-	-	375	375	375	41	416	-	2.53	2.53	.28	2.81	-	99	99
MULTIPLE INJURIES-----	1	-	-	64	64	65	16	81	.01	.43	.44	.11	.55	40	21	61
OTHER INJURY, NEC-----	-	-	-	8	8	8	1	9	-	.05	.05	.01	.06	-	1	1
UNCLASSIFIED (NO DATA)----	-	-	1	18	19	19	6	25	-	.13	.13	.04	.17	-	29	29
TOTAL OR AVERAGE-----	2	-	26	761	787	789	321	1,110	.01	5.31	5.32	2.17	7.49	81	284	365

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, 1990 (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													
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMPUTATION/ENUCLEATION----	-	-	69	-	69	69	-	69	-	.05	.05	-	.05	-	21	21
ASPHYXIATION/DROWNING----	2	-	-	8	8	10	1	11	(*)	.01	.01	(*)	.01	9	(*)	9
BURN/SCALD (NOT CHEM.)----	1	-	-	106	106	107	61	168	(*)	.08	.08	.05	.12	4	2	6
CHEMICAL BURN-----	-	-	-	52	52	52	34	86	-	.04	.04	.03	.06	-	1	1
CONCUSSION (CEREBRAL)----	-	-	-	14	14	14	4	18	-	.01	.01	(*)	.01	-	(*)	(*)
CONTUSION OR BRUISE----	22	-	5	1,755	1,760	1,782	285	2,067	.02	1.30	1.32	.21	1.53	98	38	135
CUT OR PUNCTURE-----	-	-	-	902	902	902	1,520	2,422	-	.67	.67	1.12	1.79	-	11	11
DERMATITIS-----	-	-	-	2	2	2	1	3	-	(*)	(*)	(*)	(*)	-	(*)	(*)
DISLOCATION-----	-	-	1	65	66	66	13	79	-	.05	.05	.01	.06	-	2	2
DUST IN EYE-----	-	-	-	67	67	67	120	187	-	.05	.05	.09	.14	-	(*)	(*)
ELECTRIC SHOCK-----	7	-	-	19	19	26	4	30	.01	.01	.02	(*)	.02	31	(*)	31
ELECT. BURN (CONTACT)----	-	-	-	14	14	14	8	22	-	.01	.01	.01	.02	-	(*)	(*)
FRACTURE-----	6	-	7	1,112	1,119	1,125	377	1,502	(*)	.83	.83	.28	1.11	27	52	79
HEARING IMPAIRMENT-----	-	-	-	2	2	2	1	3	-	(*)	(*)	(*)	(*)	-	(*)	(*)
HERNIA (NOT DISC)-----	-	-	126	11	137	137	-	137	-	.10	.10	-	.10	-	5	5
POISONING (SYSTEMIC)-----	-	-	-	17	17	17	10	27	-	.01	.01	.01	.02	-	(*)	(*)
RADIATION/ULTRA VIOLET-----	-	-	-	120	120	120	23	143	-	.09	.09	.02	.11	-	1	1
SCRATCH/ABRASION-----	-	-	-	87	87	87	51	138	-	.06	.06	.04	.10	-	1	1
STRAIN/SPRAIN-----	-	-	16	5,615	5,631	5,631	494	6,125	-	4.16	4.16	.37	4.53	-	200	200
MULTIPLE INJURIES-----	16	2	9	846	857	873	201	1,074	.01	.63	.65	.15	.79	71	53	124
OTHER INJURY, NEC-----	2	-	-	104	104	106	22	128	(*)	.08	.08	.02	.09	9	3	12
UNCLASSIFIED (NO DATA)-----	1	-	3	475	478	479	96	575	(*)	.35	.35	.07	.43	4	25	30
OCCUPATIONAL DISEASES-----	-	-	-	1	1	1	1	2	-	(*)	(*)	(*)	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	57	2	236	11,394	11,632	11,689	3,327	15,016	.04	8.60	8.64	2.46	11.10	253	418	671
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE----	-	-	-	2	2	2	2	4	-	.03	.03	.03	.06	-	(*)	(*)
CUT OR PUNCTURE-----	-	-	-	-	-	-	5	5	-	-	-	.07	.07	-	-	-
DISLOCATION-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
FRACTURE-----	-	-	-	2	2	2	1	3	-	.03	.03	.01	.04	-	1	1
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	-	7	7	7	3	10	-	.10	.10	.04	.15	-	1	1
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
OTHER INJURY, NEC-----	-	-	-	2	2	2	-	2	-	.03	.03	-	.03	-	1	1
TOTAL OR AVERAGE-----	-	-	-	17	17	17	11	28	-	.25	.25	.16	.42	-	3	3

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, 1990 (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													
GRAND TOTAL OR AVERAGE:-----	-	-	69	-	69	69	-	69	-	.05	.05	-	.05	-	20	20
AMPUTATION/ENUCLEATION-----	-	-	-	8	8	10	1	11	(*)	.01	.01	(*)	.01	8	(*)	9
ASPHYXIATION/DROWNING-----	2	-	-	106	106	107	61	168	(*)	.07	.08	.04	.12	4	2	6
BURN/SCALD (NOT CHEM.)-----	1	-	-	52	52	52	34	86	-	.04	.04	.02	.06	-	(*)	(*)
CHEMICAL BURN-----	-	-	-	14	14	14	4	18	-	.01	.01	(*)	.01	-	(*)	(*)
CONCUSSION (CEREBRAL)-----	-	-	-	1,757	1,762	1,784	287	2,071	.02	1.24	1.26	.20	1.46	93	36	129
CONTUSION OR BRUISE-----	22	-	5	902	902	902	1,525	2,427	-	.64	.64	1.07	1.71	-	10	10
CUT OR PUNCTURE-----	-	-	-	2	2	2	1	3	-	(*)	(*)	(*)	(*)	-	(*)	(*)
DERMATITIS-----	-	-	-	66	67	67	13	80	-	.05	.05	.01	.06	-	2	2
DISLOCATION-----	-	-	1	67	67	67	120	187	-	.05	.05	.08	.13	-	(*)	(*)
DUST IN EYE-----	-	-	-	20	20	27	4	31	(*)	.01	.02	(*)	.02	30	(*)	30
ELECTRIC SHOCK-----	7	-	-	14	14	14	8	22	-	.01	.01	.01	.02	-	(*)	(*)
ELECT. BURN (CONTACT)-----	-	-	-	1,114	1,121	1,127	378	1,505	(*)	.79	.79	.27	1.06	25	50	75
FRACTURE-----	6	-	7	2	2	2	1	3	-	(*)	(*)	(*)	(*)	-	(*)	(*)
HEARING IMPAIRMENT-----	-	-	-	11	137	137	-	137	-	.10	.10	-	.10	-	5	5
HERNIA (NOT DISC)-----	-	-	126	17	17	17	10	27	-	.01	.01	.01	.02	-	(*)	(*)
POISONING (SYSTEMIC)-----	-	-	-	120	120	120	23	143	-	.08	.08	.02	.10	-	1	1
RADIATION/ULTRA VIOLET-----	-	-	-	88	88	88	51	139	-	.06	.06	.04	.10	-	1	1
SCRATCH/ABRASION-----	-	-	-	5,622	5,638	5,638	497	6,135	-	3.97	3.97	.35	4.32	-	191	191
STRAIN/SPRAIN-----	-	-	16	847	858	874	201	1,075	.01	.60	.62	.14	.76	68	51	118
MULTIPLE INJURIES-----	16	2	9	106	106	108	22	130	(*)	.07	.08	.02	.09	8	3	12
OTHER INJURY, NEC-----	2	-	-	475	478	479	96	575	(*)	.34	.34	.07	.41	4	24	29
UNCLASSIFIED (NO DATA)-----	1	-	3	1	1	1	1	2	-	(*)	(*)	(*)	(*)	-	(*)	(*)
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	57	2	236	11,411	11,649	11,706	3,338	15,044	.04	8.21	8.25	2.35	10.60	241	399	640

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, 1990

WORK LOCATION 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
UNDERGROUND MINES:																	
UNDERGROUND:																	
AMPUTATION/ENUCLEATION--	-	-	43	-	43	43	-	-	19,885	-	19,885	19,885	462	-	462		
ASPHYXIATION/DROWNING--	-	-	-	4	4	4	1	5	-	-	106	106	-	26	26		
BURN/SCALD (NOT CHEM.)--	-	-	-	46	46	46	23	69	-	-	1,091	1,091	-	24	24		
CHEMICAL BURN--	-	-	-	30	30	30	10	40	-	-	489	489	-	16	16		
CONCUSSION (CEREBRAL)--	-	-	-	8	8	8	2	10	-	-	280	280	-	35	35		
CONTUSION OR BRUISE--	22	-	2	1,412	1,414	1,436	192	1,628	132,000	-	3,000	34,445	37,445	169,445	1,500	24	118
CUT OR PUNCTURE--	-	-	-	637	637	637	888	1,525	-	-	-	11,006	11,006	11,006	-	17	17
DISLOCATION--	-	-	1	44	45	45	7	52	-	-	50	2,295	2,345	2,345	50	52	52
DUST IN EYE--	-	-	-	42	42	42	47	89	-	-	-	383	383	383	-	9	9
ELECTRIC SHOCK--	5	-	-	17	17	22	4	26	30,000	-	-	386	386	30,386	-	23	1,381
ELECT. BURN (CONTACT)--	-	-	-	9	9	9	6	15	-	-	-	170	170	170	-	19	19
FRACTURE--	4	-	5	819	824	828	247	1,075	24,000	-	9,600	44,270	53,870	77,870	1,920	54	94
HEARING IMPAIRMENT--	-	-	-	2	2	2	1	3	-	-	-	10	10	10	-	5	5
HERNIA (NOT DISC)--	-	-	86	7	93	93	-	93	-	-	4,300	273	4,573	4,573	50	39	49
POISONING (SYSTEMIC)--	-	-	-	4	4	4	-	4	-	-	-	41	41	41	-	10	10
RADIATION/ULTRA VIOLET--	-	-	-	75	75	75	9	84	-	-	-	1,334	1,334	1,334	-	18	18
SCRATCH/ABRASION--	-	-	-	61	61	61	17	78	-	-	-	692	692	692	-	11	11
STRAIN/SPRAIN--	-	-	13	4,145	4,158	4,158	300	4,458	-	-	25,305	186,783	212,088	212,088	1,947	45	51
MULTIPLE INJURIES--	10	2	7	592	601	611	118	729	60,000	12,000	17,450	23,964	53,414	113,414	2,493	40	186
OTHER INJURY, NEC--	1	-	-	69	69	70	9	79	6,000	-	-	3,279	3,279	9,279	-	48	133
UNCLASSIFIED (NO DATA)--	1	-	1	370	371	372	60	432	6,000	-	3,000	20,716	23,716	29,716	3,000	56	80
OCCUPATIONAL DISEASES--	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE----	43	2	158	8,393	8,553	8,596	1,942	10,538	258,000	12,000	82,590	332,013	426,603	684,603	523	40	80
SURFACE AT UNDERGROUND:																	
AMPUTATION/ENUCLEATION--	-	-	7	-	7	7	-	7	-	-	885	-	885	885	126	-	126
ASPHYXIATION/DROWNING--	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
BURN/SCALD (NOT CHEM.)--	-	-	-	3	3	3	6	9	-	-	-	21	21	21	-	7	7
CHEMICAL BURN--	-	-	-	1	1	1	4	5	-	-	-	2	2	2	-	2	2
CONCUSSION (CEREBRAL)--	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	29
CONTUSION OR BRUISE--	-	-	-	87	87	87	19	106	-	-	-	1,825	1,825	1,825	-	21	21
CUT OR PUNCTURE--	-	-	-	62	62	62	113	175	-	-	-	851	851	851	-	14	14
DISLOCATION--	-	-	-	2	2	2	1	3	-	-	-	33	33	33	-	16	16
DUST IN EYE--	-	-	-	3	3	3	7	10	-	-	-	3	3	3	-	1	1
ELECTRIC SHOCK--	1	-	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	-	6,000
ELECT. BURN (CONTACT)--	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FRACTURE--	-	-	1	46	47	47	31	78	-	-	1,200	2,106	3,306	3,306	1,200	46	70
HERNIA (NOT DISC)--	-	-	8	2	10	10	-	10	-	-	400	95	495	495	50	48	50
POISONING (SYSTEMIC)--	-	-	-	4	4	4	2	6	-	-	-	78	78	78	-	20	20
RADIATION/ULTRA VIOLET--	-	-	-	11	11	11	4	15	-	-	-	319	319	319	-	29	29
SCRATCH/ABRASION--	-	-	-	2	2	2	3	5	-	-	-	3	3	3	-	2	2
STRAIN/SPRAIN--	-	-	1	296	297	297	29	326	-	-	3,000	12,670	15,670	15,670	3,000	43	53
MULTIPLE INJURIES--	1	-	-	37	37	38	17	55	6,000	-	-	2,075	2,075	8,075	-	56	212
OTHER INJURY, NEC--	-	-	-	3	3	3	2	5	-	-	-	49	49	49	-	16	16
UNCLASSIFIED (NO DATA)--	-	-	-	19	19	19	1	20	-	-	-	932	932	932	-	49	49
TOTAL OR AVERAGE----	2	-	17	580	597	599	240	839	12,000	-	5,485	21,092	26,577	38,577	323	36	64

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, 1990 (CONTINUED)

WORK LOCATION 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE, UG:	-	-	50	-	50	50	-	50	-	-	20,770	-	20,770	20,770	415	-	415
AMPUTATION/ENUCLEATION----	-	-	-	5	5	5	1	6	-	-	-	107	107	107	-	21	21
ASPHYXIATION/DROWNING----	-	-	-	49	49	49	29	78	-	-	1,112	1,112	1,112	1,112	-	23	23
BURN/SCALD (NOT CHEM.)----	-	-	-	31	31	31	14	45	-	-	-	491	491	491	-	16	16
CHEMICAL BURN----	-	-	-	9	9	9	2	11	-	-	-	309	309	309	-	34	34
CONCUSSION (CEREBRAL)----	22	2	1,499	1,501	1,523	211	1,734	132,000	-	3,000	36,270	39,270	171,270	1,500	24	112	
CONTUSION OR BRUISE----	-	-	699	699	699	1,001	1,700	-	-	-	11,857	11,857	11,857	-	17	17	
CUT OR PUNCTURE----	-	-	1	46	47	47	8	55	-	-	50	2,328	2,378	2,378	50	51	51
DISLOCATION----	-	-	-	45	45	45	54	99	-	-	-	386	386	386	-	9	9
DUST IN EYE----	-	-	-	17	17	23	4	27	36,000	-	-	386	386	36,386	-	23	1,582
ELECTRIC SHOCK----	6	-	-	9	9	9	7	16	-	-	-	170	170	170	-	19	19
ELECT. BURN (CONTACT)----	-	-	-	865	871	875	278	1,153	24,000	-	10,800	46,376	57,176	81,176	1,800	54	93
FRACTURE----	4	-	6	2	2	2	1	3	-	-	-	10	10	10	-	5	5
HEARING IMPAIRMENT----	-	-	94	9	103	103	-	103	-	-	4,700	368	5,068	5,068	50	41	49
HERNIA (NOT DISC)----	-	-	-	8	8	8	2	10	-	-	-	119	119	119	-	15	15
POISONING (SYSTEMIC)----	-	-	-	86	86	86	13	99	-	-	-	1,653	1,653	1,653	-	19	19
RADIATION/ULTRA VIOLET----	-	-	-	63	63	63	20	83	-	-	-	695	695	695	-	11	11
SCRATCH/ABRASION----	-	-	14	4,441	4,455	4,455	329	4,784	-	-	28,305	199,453	227,758	227,758	2,022	45	51
STRAIN/SPRAIN----	11	2	7	629	638	649	135	784	66,000	12,000	17,450	26,039	55,489	121,489	2,493	41	187
MULTIPLE INJURIES----	1	-	-	72	72	73	11	84	6,000	-	-	3,328	3,328	9,328	-	46	128
OTHER INJURY, NEC----	1	-	1	389	390	391	61	452	6,000	-	3,000	21,648	24,648	30,648	3,000	56	78
UNCLASSIFIED (NO DATA)----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCCUPATIONAL DISEASES----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	45	2	175	8,973	9,150	9,195	2,182	11,377	270,000	12,000	88,075	353,105	453,180	723,180	503	39	79
SURFACE MINES:																	
STRIP:																	
AMPUTATION/ENUCLEATION----	-	-	8	-	8	8	-	8	-	-	625	-	625	625	78	-	78
ASPHYXIATION/DROWNING----	2	-	-	2	2	4	-	4	12,000	-	-	6	6	12,006	-	3	3,002
BURN/SCALD (NOT CHEM.)----	-	-	-	38	38	38	23	61	-	-	-	905	905	905	-	24	24
CHEMICAL BURN----	-	-	-	17	17	17	11	28	-	-	-	168	168	168	-	10	10
CONCUSSION (CEREBRAL)----	-	-	-	4	4	4	2	6	-	-	-	71	71	71	-	18	18
CONTUSION OR BRUISE----	-	-	1	167	168	168	49	217	-	3,000	3,111	6,111	6,111	3,000	19	36	
CUT OR PUNCTURE----	-	-	-	135	135	135	347	482	-	-	2,083	2,083	2,083	-	15	15	
DERMATITIS----	-	-	-	2	2	2	-	2	-	-	-	12	12	12	-	6	6
DISLOCATION----	-	-	-	14	14	14	3	17	-	-	-	722	722	722	-	52	52
DUST IN EYE----	-	-	-	10	10	10	43	53	-	-	-	22	22	22	-	2	2
ELECTRIC SHOCK----	-	-	-	3	3	3	-	3	-	-	-	31	31	31	-	10	10
ELECT. BURN (CONTACT)----	-	-	-	5	5	5	1	6	-	-	-	102	102	102	-	20	20
FRACTURE----	2	-	-	165	165	167	75	242	12,000	-	7,829	7,829	19,829	-	47	119	
HERNIA (NOT DISC)----	-	-	19	2	21	21	-	21	-	-	950	35	985	985	50	18	47
POISONING (SYSTEMIC)----	-	-	-	5	5	5	3	8	-	-	-	13	13	13	-	3	3
RADIATION/ULTRA VIOLET----	-	-	-	15	15	15	6	21	-	-	-	27	27	27	-	2	2
SCRATCH/ABRASION----	-	-	-	15	15	15	18	33	-	-	-	221	221	221	-	15	15
STRAIN/SPRAIN----	-	-	2	792	794	794	123	917	-	-	650	29,674	30,324	30,324	325	37	38
MULTIPLE INJURIES----	4	2	152	154	158	46	204	24,000	-	7,500	6,652	14,152	38,152	3,750	44	241	
OTHER INJURY, NEC----	1	-	-	26	26	27	9	36	6,000	-	-	1,189	1,189	7,189	-	46	266
UNCLASSIFIED (NO DATA)----	-	-	1	69	70	70	27	97	-	-	3,000	2,433	5,433	5,433	3,000	35	78
OCCUPATIONAL DISEASES----	-	-	-	1	1	1	-	1	-	-	-	39	39	39	-	39	39
TOTAL OR AVERAGE-----	9	-	33	1,639	1,672	1,681	786	2,467	54,000	-	15,725	55,345	71,070	125,070	477	34	74

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, 1990 (CONTINUED)

WORK LOCATION 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
AUGER:																	
AMPUTATION/ENUCLEATION--	-	-	1	-	1	1	-	1	-	-	60	-	60	60	60	-	60
CONTUSION OR BRUISE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE-----	-	-	-	5	5	5	3	8	-	-	-	32	32	32	-	6	6
FRACTURE-----	-	-	1	6	7	7	-	7	-	-	1,200	255	1,455	1,455	1,200	42	208
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	-	-	2	2	2	-	2	2
STRAIN/SPRAIN-----	-	-	-	8	8	8	1	9	-	-	-	381	381	381	-	48	48
MULTIPLE INJURIES-----	-	-	-	2	2	2	1	3	-	-	-	42	42	42	-	21	21
OTHER INJURY, NEC-----	-	-	-	1	1	1	1	2	-	-	-	44	44	44	-	44	44
UNCLASSIFIED (NO DATA)--	-	-	-	4	4	4	2	6	-	-	-	425	425	425	-	106	106
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	2,441	630	44	84
CULM BANK:																	
BURN/SCALD (NOT CHEM.)--	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
CONTUSION OR BRUISE-----	-	-	-	3	3	3	-	3	-	-	-	46	46	46	-	15	15
CUT OR PUNCTURE-----	-	-	-	1	1	1	1	2	-	-	-	7	7	7	-	7	7
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	240	240	240	-	240	240
FRACTURE-----	-	-	-	3	3	3	-	3	-	-	-	105	105	105	-	35	35
STRAIN/SPRAIN-----	-	-	-	12	12	12	1	13	-	-	-	597	597	597	-	50	50
MULTIPLE INJURIES-----	-	-	-	3	3	3	1	4	-	-	-	252	252	252	-	84	84
UNCLASSIFIED (NO DATA)--	-	-	-	2	2	2	-	2	-	-	-	6	6	6	-	3	3
TOTAL OR AVERAGE-----	-	-	-	26	26	26	3	29	-	-	-	1,255	1,255	1,255	-	48	48
DREDGE:																	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	18	18	18	-	18	18
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	-	-	8	8	8	-	8	8
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9

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, 1990 (CONTINUED)

WORK LOCATION 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 NFDL					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL							TOTAL	PARTIAL							
TOTAL OR AVERAGE, SURFACE:																		
AMPUTATION/ENUCLEATION----	-	-	9	-	9	9	-	9	-	-	685	-	685	685	76	-	76	
ASPHYXIATION/DROWNING----	2	-	-	2	2	4	-	4	12,000	-	6	-	6	12,006	-	3	3,002	
BURN/SCALD (NOT CHEM.)----	-	-	-	39	39	39	23	62	-	-	907	-	907	907	-	23	23	
CHEMICAL BURN-----	-	-	-	17	17	17	11	28	-	-	168	-	168	168	-	10	10	
CONCUSSION (CEREBRAL)----	-	-	-	4	4	4	2	6	-	-	71	-	71	71	-	18	18	
CONTUSION OR BRUISE-----	-	-	1	171	172	172	50	222	-	-	3,159	-	6,159	6,159	3,000	18	36	
CUT OR PUNCTURE-----	-	-	-	142	142	142	351	493	-	-	2,140	-	2,140	2,140	-	15	15	
DERMATITIS-----	-	-	-	2	2	2	-	2	-	-	12	-	12	12	-	6	6	
DISLOCATION-----	-	-	-	15	15	15	3	18	-	-	962	-	962	962	-	64	64	
DUST IN EYE-----	-	-	-	10	10	10	43	53	-	-	22	-	22	22	-	2	2	
ELECTRIC SHOCK-----	-	-	-	3	3	3	-	3	-	-	31	-	31	31	-	10	10	
ELECT. BURN (CONTACT)-----	-	-	-	5	5	5	1	6	-	-	102	-	102	102	-	20	20	
FRACTURE-----	2	-	1	174	175	177	75	252	12,000	-	1,200	8,189	9,389	21,389	1,200	47	121	
HERNIA (NOT DISC)-----	-	-	19	2	21	21	-	21	-	-	950	-	950	950	50	18	47	
POISONING (SYSTEMIC)-----	-	-	-	5	5	5	3	8	-	-	13	-	13	13	-	3	3	
RADIATION/ULTRA VIOLET-----	-	-	-	15	15	15	6	21	-	-	27	-	27	27	-	2	2	
SCRATCH/ABRASION-----	-	-	-	16	16	16	19	35	-	-	223	-	223	223	-	14	14	
STRAIN/SPRAIN-----	-	-	2	813	815	815	125	940	-	-	650	-	30,650	31,310	325	38	38	
MULTIPLE INJURIES-----	4	-	2	157	159	163	48	211	24,000	-	7,500	6,946	14,446	38,446	3,750	44	236	
OTHER INJURY, NEC-----	1	-	-	27	27	28	10	38	6,000	-	-	1,233	1,233	7,233	-	46	258	
UNCLASSIFIED (NO DATA)-----	-	-	1	75	76	76	29	105	-	-	3,000	2,864	5,864	5,864	3,000	38	77	
OCCUPATIONAL DISEASES-----	-	-	-	1	1	1	-	1	-	-	-	39	39	39	-	39	39	
TOTAL OR AVERAGE-----	9	-	35	1,695	1,730	1,739	799	2,538	54,000	-	16,985	57,809	74,794	128,794	485	34	74	
TOTAL OR AVERAGE, MINING:																		
AMPUTATION/ENUCLEATION----	-	-	59	-	59	59	-	59	-	-	21,455	-	21,455	21,455	364	-	364	
ASPHYXIATION/DROWNING----	2	-	-	7	7	9	1	10	12,000	-	-	113	-	113	12,113	-	16	1,346
BURN/SCALD (NOT CHEM.)----	-	-	-	88	88	88	52	140	-	-	2,019	-	2,019	2,019	-	23	23	
CHEMICAL BURN-----	-	-	-	48	48	48	25	73	-	-	659	-	659	659	-	14	14	
CONCUSSION (CEREBRAL)----	-	-	-	13	13	13	4	17	-	-	380	-	380	380	-	29	29	
CONTUSION OR BRUISE-----	22	-	3	1,670	1,673	1,695	261	1,956	132,000	-	6,000	39,429	45,429	177,429	2,000	24	105	
CUT OR PUNCTURE-----	-	-	-	841	841	841	1,352	2,193	-	-	13,997	-	13,997	13,997	-	17	17	
DERMATITIS-----	-	-	-	2	2	2	-	2	-	-	12	-	12	12	-	6	6	
DISLOCATION-----	-	-	1	61	62	62	11	73	-	-	50	-	3,290	3,340	50	54	54	
DUST IN EYE-----	-	-	-	55	55	55	97	152	-	-	408	-	408	408	-	7	7	
ELECTRIC SHOCK-----	6	-	-	20	20	26	4	30	36,000	-	-	417	417	36,417	-	21	1,401	
ELECT. BURN (CONTACT)-----	-	-	-	14	14	14	8	22	-	-	272	-	272	272	-	19	19	
FRACTURE-----	6	-	7	1,039	1,046	1,052	353	1,405	36,000	-	12,000	54,565	66,565	102,565	1,714	53	97	
HEARING IMPAIRMENT-----	-	-	-	2	2	2	1	3	-	-	10	-	10	10	-	5	5	
HERNIA (NOT DISC)-----	-	-	113	11	124	124	-	124	-	-	5,650	403	6,053	6,053	50	37	49	
POISONING (SYSTEMIC)-----	-	-	-	13	13	13	5	18	-	-	132	-	132	132	-	10	10	
RADIATION/ULTRA VIOLET-----	-	-	-	101	101	101	19	120	-	-	1,680	-	1,680	1,680	-	17	17	
SCRATCH/ABRASION-----	-	-	-	79	79	79	39	118	-	-	918	-	918	918	-	12	12	
STRAIN/SPRAIN-----	-	-	16	5,254	5,270	5,270	454	5,724	-	-	28,955	230,113	259,068	259,068	1,810	44	49	
MULTIPLE INJURIES-----	15	2	9	786	797	812	183	995	90,000	12,000	24,950	32,985	69,935	159,935	2,772	42	197	
OTHER INJURY, NEC-----	2	-	-	98	99	101	21	122	12,000	-	-	4,561	4,561	16,561	-	46	164	
UNCLASSIFIED (NO DATA)-----	1	-	2	464	466	467	90	557	6,000	-	6,000	24,512	30,512	36,512	3,000	53	78	
OCCUPATIONAL DISEASES-----	-	-	-	1	1	1	1	2	-	-	-	39	39	39	-	39	39	
TOTAL OR AVERAGE-----	54	2	210	10,668	10,880	10,934	2,981	13,915	324,000	12,000	105,060	410,914	527,974	851,974	500	39	78	

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, 1990 (CONTINUED)

WORK LOCATION 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
INDEPENDENT SHOPS:																	
BURN/SCALD (NOT CHEM.)----	1	-	-	1	1	2	2	4	6,000	-	-	3	3	6,003	-	3	3,002
CHEMICAL BURN-----	-	-	-	1	1	1	1	2	-	-	-	31	31	-	-	31	-
CONTUSION OR BRUISE-----	-	-	-	8	8	8	7	15	-	-	-	420	420	-	-	52	-
CUT OR PUNCTURE-----	-	-	-	7	7	7	18	25	-	-	-	32	32	-	-	5	-
DUST IN EYE-----	-	-	-	1	1	1	6	7	-	-	-	2	2	-	-	2	-
FRACTURE-----	-	-	-	7	7	7	4	11	-	-	-	273	273	-	-	39	-
HERNIA (NOT DISC)-----	-	-	2	-	2	2	-	2	-	-	100	-	100	50	-	-	50
RADIATION/ULTRA VIOLET----	-	-	-	2	2	2	-	2	-	-	-	2	2	-	-	1	-
SCRATCH/ABRASION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN-----	-	-	-	35	35	35	5	40	-	-	-	964	964	-	-	28	-
MULTIPLE INJURIES-----	-	-	-	6	6	6	3	9	-	-	-	169	169	-	-	28	-
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	13	13	-	-	13	-
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	1	2	-	-	-	199	199	-	-	199	-
TOTAL OR AVERAGE-----	1	-	2	70	72	73	48	121	6,000	-	100	2,108	2,208	8,208	50	30	112
PROCESSING PLANTS:																	
AMPUTATION/ENUCLEATION----	-	-	11	-	11	11	-	11	-	-	7,380	-	7,380	7,380	671	-	671
ASPHYXIATION/DROWNING-----	2	-	-	1	1	3	-	3	12,000	-	-	12	12	12,012	-	12	4,004
BURN/SCALD (NOT CHEM.)----	-	-	-	22	22	22	8	30	-	-	-	492	492	-	-	22	-
CHEMICAL BURN-----	-	-	-	4	4	4	8	12	-	-	-	13	13	-	-	3	-
CONCUSSION (CEREBRAL)-----	-	-	-	1	1	1	-	1	-	-	-	7	7	-	-	7	-
CONTUSION OR BRUISE-----	-	-	2	97	99	99	21	120	-	-	3,720	2,212	5,932	5,932	1,860	23	60
CUT OR PUNCTURE-----	-	-	-	69	69	69	161	230	-	-	-	978	978	-	-	14	-
DERMATITIS-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
DISLOCATION-----	-	-	-	6	6	6	2	8	-	-	-	225	225	-	-	38	-
DUST IN EYE-----	-	-	-	11	11	11	18	29	-	-	-	80	80	-	-	7	-
ELECTRIC SHOCK-----	1	-	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	-	6,000
FRACTURE-----	-	-	-	81	81	81	24	105	-	-	-	4,776	4,776	-	-	59	-
HERNIA (NOT DISC)-----	-	-	15	-	15	15	-	15	-	-	750	-	750	750	50	-	50
POISONING (SYSTEMIC)-----	-	-	-	4	4	4	6	10	-	-	-	132	132	-	-	33	-
RADIATION/ULTRA VIOLET----	-	-	-	21	21	21	4	25	-	-	-	129	129	-	-	6	-
SCRATCH/ABRASION-----	-	-	-	10	10	10	12	22	-	-	-	103	103	-	-	10	-
STRAIN/SPRAIN-----	-	1	-	413	414	414	45	459	-	6,000	-	15,752	21,752	-	-	38	-
MULTIPLE INJURIES-----	1	-	-	69	69	70	19	89	6,000	-	-	3,266	3,266	9,266	-	47	-
OTHER INJURY, NEC-----	-	-	-	9	9	9	1	10	-	-	-	228	228	-	-	25	-
UNCLASSIFIED (NO DATA)----	-	-	1	23	24	24	6	30	-	-	3,000	1,634	4,634	4,634	3,000	71	193
TOTAL OR AVERAGE-----	4	1	29	841	871	875	336	1,211	24,000	6,000	14,850	30,039	50,889	74,889	512	36	86

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, 1990 (CONTINUED)

WORK LOCATION 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE	-	-	70	-	70	70	-	70	-	-	28,835	-	28,835	28,835	412	-	412
ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMPUTATION/ENUCLEATION-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASPHYXIATION/DROWNING-----	4	-	-	8	8	12	1	13	24,000	-	-	125	125	24,125	-	16	2,010
BURN/SCALD (NOT CHEM.)-----	1	-	-	111	111	112	62	174	6,000	-	-	2,514	2,514	8,514	-	23	76
CHEMICAL BURN-----	-	-	-	53	53	53	34	87	-	-	-	703	703	703	-	13	13
CONCUSSION (CEREBRAL)-----	-	-	-	14	14	14	4	18	-	-	-	387	387	387	-	28	28
CONTUSION OR BRUISE-----	22	-	5	1,775	1,780	1,802	289	2,091	132,000	-	9,720	42,061	51,781	183,781	1,944	24	102
CUT OR PUNCTURE-----	-	-	-	917	917	917	1,531	2,448	-	-	-	15,007	15,007	15,007	-	16	16
DERMATITIS-----	-	-	-	2	2	2	1	3	-	-	-	12	12	12	-	6	6
DISLOCATION-----	-	-	1	67	68	68	13	81	-	-	50	3,515	3,565	3,565	50	52	52
DUST IN EYE-----	-	-	-	67	67	67	121	188	-	-	-	490	490	490	-	7	7
ELECTRIC SHOCK-----	7	-	-	20	20	27	4	31	42,000	-	-	417	417	42,417	-	21	1,571
ELECT. BURN (CONTACT)-----	-	-	-	14	14	14	8	22	-	-	-	272	272	272	-	19	19
FRACTURE-----	6	-	7	1,127	1,134	1,140	381	1,521	36,000	-	12,000	59,614	71,614	107,614	1,714	53	94
HEARING IMPAIRMENT-----	-	-	-	2	2	2	1	3	-	-	-	10	10	10	-	5	5
HERNIA (NOT DISC)-----	-	-	130	11	141	141	-	141	-	-	6,500	403	6,903	6,903	50	37	49
POISONING (SYSTEMIC)-----	-	-	-	17	17	17	11	28	-	-	-	264	264	264	-	16	16
RADIATION/ULTRA VIOLET-----	-	-	-	124	124	124	23	147	-	-	-	1,811	1,811	1,811	-	15	15
SCRATCH/ABRASION-----	-	-	-	89	89	89	52	141	-	-	-	1,021	1,021	1,021	-	11	11
STRAIN/SPRAIN-----	-	1	16	5,702	5,719	5,719	504	6,223	-	6,000	28,955	246,829	281,784	281,784	1,810	43	49
MULTIPLE INJURIES-----	16	2	9	861	872	888	205	1,093	96,000	12,000	24,950	36,420	73,370	169,370	2,772	42	191
OTHER INJURY, NEC-----	2	-	-	109	109	111	22	133	12,000	-	-	4,802	4,802	16,802	-	44	151
UNCLASSIFIED (NO DATA)-----	1	-	3	488	491	492	97	589	6,000	-	9,000	26,345	35,345	41,345	3,000	54	84
OCCUPATIONAL DISEASES-----	-	-	-	1	1	1	1	2	-	-	-	39	39	39	-	39	39
TOTAL OR AVERAGE-----	59	3	241	11,579	11,823	11,882	3,365	15,247	354,000	18,000	120,010	443,061	581,071	935,071	498	38	79
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE-----	-	-	-	2	2	2	2	4	-	-	-	12	12	12	-	6	6
CUT OR PUNCTURE-----	-	-	-	-	-	-	5	5	-	-	-	-	-	-	-	-	-
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
FRACTURE-----	-	-	-	2	2	2	1	3	-	-	-	47	47	47	-	24	24
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
STRAIN/SPRAIN-----	-	-	-	7	7	7	3	10	-	-	-	82	82	82	-	12	12
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
OTHER INJURY, NEC-----	-	-	-	2	2	2	-	2	-	-	-	59	59	59	-	30	30
TOTAL OR AVERAGE-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12

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, 1990 (CONTINUED)

WORK LOCATION 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE:-----	-	-	70	-	70	70	-	70	-	-	28,835	-	28,835	28,835	412	-	412
AMPUTATION/ENUCLEATION-----	4	-	-	8	8	12	1	13	24,000	-	-	125	125	24,125	-	16	2,010
ASPHYXIATION/DROWNING-----	1	-	-	111	111	112	62	174	6,000	-	-	2,514	2,514	8,514	-	23	76
BURN/SCALD (NOT CHEM.)-----	-	-	-	53	53	53	34	87	-	-	-	703	703	703	-	13	13
CHEMICAL BURN-----	-	-	-	14	14	14	4	18	-	-	-	387	387	387	-	28	28
CONCUSSION (CEREBRAL)-----	22	-	5	1,777	1,782	1,804	291	2,095	132,000	-	9,720	42,073	51,793	183,793	1,944	24	102
CONTUSION OR BRUISE-----	-	-	-	917	917	917	1,536	2,453	-	-	-	15,007	15,007	15,007	-	16	16
CUT OR PUNCTURE-----	-	-	-	2	2	2	1	3	-	-	-	12	12	12	-	6	6
DERMATITIS-----	-	-	-	68	69	69	13	82	-	-	50	3,519	3,569	3,569	50	52	52
DISLOCATION-----	-	-	1	67	67	67	121	188	-	-	-	490	490	490	-	7	7
DUST IN EYE-----	-	-	-	21	21	28	4	32	42,000	-	-	419	419	42,419	-	20	1,515
ELECTRIC SHOCK-----	7	-	-	14	14	14	8	22	-	-	-	272	272	272	-	19	19
ELECT. BURN (CONTACT)-----	-	-	-	1,129	1,136	1,142	382	1,524	36,000	-	12,000	59,661	71,661	107,661	1,714	53	94
FRACTURE-----	6	-	7	2	2	2	1	3	-	-	-	10	10	10	-	5	5
HEARING IMPAIRMENT-----	-	-	-	11	141	141	-	141	-	-	6,500	403	6,903	6,903	50	37	49
HERNIA (NOT DISC)-----	-	-	130	17	17	17	11	28	-	-	-	264	264	264	-	16	16
POISONING (SYSTEMIC)-----	-	-	-	124	124	124	23	147	-	-	-	1,811	1,811	1,811	-	15	15
RADIATION/ULTRA VIOLET-----	-	-	-	90	90	90	52	142	-	-	-	1,022	1,022	1,022	-	11	11
SCRATCH/ABRASION-----	-	-	-	5,709	5,726	5,726	507	6,233	-	6,000	28,955	246,911	281,866	281,866	1,810	43	49
STRAIN/SPRAIN-----	16	2	9	862	873	889	205	1,094	96,000	12,000	24,950	36,424	73,374	169,374	2,772	42	191
MULTIPLE INJURIES-----	2	-	-	111	111	113	22	135	12,000	-	-	4,861	4,861	16,861	-	44	149
OTHER INJURY, NEC-----	1	-	3	488	491	492	97	589	6,000	-	9,000	26,345	35,345	41,345	3,000	54	84
UNCLASSIFIED (NO DATA)-----	-	-	-	1	1	1	1	2	-	-	-	39	39	39	-	39	39
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,899	3,376	15,275	354,000	18,000	120,010	443,272	581,282	935,282	498	38	79

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, 1990

WORK LOCATION 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND:																	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	1	2	-	-	-	22	22	22	-	22	22
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	50	-	50
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	48
MULTIPLE INJURIES-----	-	-	-	3	3	3	-	3	-	-	-	405	405	405	-	135	135
UNCLASSIFIED (NO DATA)--	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
TOTAL OR AVERAGE-----	-	-	1	8	9	9	2	11	-	-	50	478	528	528	50	60	59
SURFACE AT UNDERGROUND:																	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
POISONING (SYSTEMIC)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	2	2	2	1	3	-	-	-	8	8	8	-	4	4
TOTAL OR AVERAGE, UG:																	
CONTUSION OR BRUISE-----	-	-	-	2	2	2	1	3	-	-	-	23	23	23	-	12	12
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	50	-	50
POISONING (SYSTEMIC)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	48
MULTIPLE INJURIES-----	-	-	-	3	3	3	-	3	-	-	-	405	405	405	-	135	135
UNCLASSIFIED (NO DATA)---	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
TOTAL OR AVERAGE-----	-	-	1	10	11	11	3	14	-	-	50	486	536	536	50	49	49
SURFACE MINES:																	
STRIP:																	
BURN/SCALD (NOT CHEM.)--	-	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
CONTUSION OR BRUISE-----	-	-	-	6	6	6	-	6	-	-	-	229	229	229	-	38	38
CUT OR PUNCTURE-----	-	-	-	5	5	5	5	10	-	-	-	46	46	46	-	9	9
DUST IN EYE-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
FRACTURE-----	-	-	-	8	8	8	3	11	-	-	-	270	270	270	-	34	34
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	50	-	50
STRAIN/SPRAIN-----	-	-	-	39	39	39	4	43	-	-	-	3,044	3,044	3,044	-	78	78
MULTIPLE INJURIES-----	-	-	-	5	5	5	-	5	-	-	-	353	353	353	-	71	71
OTHER INJURY, NEC-----	-	-	-	4	4	4	-	4	-	-	-	381	381	381	-	95	95
UNCLASSIFIED (NO DATA)--	-	-	-	6	6	6	1	7	-	-	-	343	343	343	-	57	57
TOTAL OR AVERAGE-----	-	-	1	76	77	77	14	91	-	-	50	4,700	4,750	4,750	50	62	62

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, 1990 (CONTINUED)

WORK LOCATION 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 NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
CULM BANK:																	
CONTUSION OR BRUISE-----	-	-	-	2	2	2	-	2	-	-	-	15	15	15	-	8	8
CUT OR PUNCTURE-----	-	-	-	1	1	1	1	2	-	-	-	7	7	7	-	7	7
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	240	240	240	-	240	240
FRACTURE-----	-	-	-	2	2	2	-	2	-	-	-	96	96	96	-	48	48
STRAIN/SPRAIN-----	-	-	-	8	8	8	1	9	-	-	-	351	351	351	-	44	44
MULTIPLE INJURIES-----	-	-	-	2	2	2	1	3	-	-	-	233	233	233	-	116	116
TOTAL OR AVERAGE-----	-	-	-	16	16	16	3	19	-	-	-	942	942	942	-	59	59
TOTAL OR AVERAGE, SURFACE:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
CONTUSION OR BRUISE-----	-	-	-	8	8	8	-	8	-	-	-	244	244	244	-	30	30
CUT OR PUNCTURE-----	-	-	-	6	6	6	6	12	-	-	-	53	53	53	-	9	9
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	240	240	240	-	240	240
DUST IN EYE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
FRACTURE-----	-	-	-	10	10	10	3	13	-	-	-	366	366	366	-	37	37
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	50	-	50
STRAIN/SPRAIN-----	-	-	-	47	47	47	5	52	-	-	-	3,395	3,395	3,395	-	72	72
MULTIPLE INJURIES-----	-	-	-	7	7	7	1	8	-	-	-	586	586	586	-	84	84
OTHER INJURY, NEC-----	-	-	-	4	4	4	-	4	-	-	-	381	381	381	-	95	95
UNCLASSIFIED (NO DATA)----	-	-	-	6	6	6	1	7	-	-	-	343	343	343	-	57	57
TOTAL OR AVERAGE-----	-	-	1	92	93	93	17	110	-	-	50	5,642	5,692	5,692	50	61	61
TOTAL OR AVERAGE, MINING:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
CONTUSION OR BRUISE-----	-	-	-	10	10	10	1	11	-	-	-	267	267	267	-	27	27
CUT OR PUNCTURE-----	-	-	-	7	7	7	6	13	-	-	-	54	54	54	-	8	8
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	240	240	240	-	240	240
DUST IN EYE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
FRACTURE-----	-	-	-	11	11	11	3	14	-	-	-	373	373	373	-	34	34
HERNIA (NOT DISC)-----	-	-	2	-	2	2	-	2	-	-	100	-	100	100	50	-	50
POISONING (SYSTEMIC)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
STRAIN/SPRAIN-----	-	-	-	48	48	48	5	53	-	-	-	3,443	3,443	3,443	-	72	72
MULTIPLE INJURIES-----	-	-	-	10	10	10	1	11	-	-	-	991	991	991	-	99	99
OTHER INJURY, NEC-----	-	-	-	4	4	4	-	4	-	-	-	381	381	381	-	95	95
UNCLASSIFIED (NO DATA)----	-	-	-	7	7	7	1	8	-	-	-	344	344	344	-	49	49
TOTAL OR AVERAGE-----	-	-	2	102	104	104	20	124	-	-	100	6,128	6,228	6,228	50	60	60
INDEPENDENT SHOPS:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
CONTUSION OR BRUISE-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN-----	-	-	-	1	1	1	1	2	-	-	-	20	20	20	-	20	20
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	-	-	199	199	199	-	199	199
TOTAL OR AVERAGE-----	-	-	-	3	3	3	3	6	-	-	-	222	222	222	-	74	74

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, 1990 (CONTINUED)

WORK LOCATION 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
PROCESSING PLANTS:																	
AMPUTATION/ENUCLEATION-----	-	-	1	-	1	1	-	1	-	-	210	-	210	210	210	-	210
ASPHYXIATION/DROWNING-----	2	-	-	-	-	2	-	2	12,000	-	-	-	-	12,000	-	-	6,000
BURN/SCALD (NOT CHEM.)-----	-	-	-	3	3	3	1	4	-	-	-	50	50	50	-	17	17
CONTUSION OR BRUISE-----	-	-	-	10	10	10	1	11	-	-	-	280	280	280	-	28	28
CUT OR PUNCTURE-----	-	-	-	8	8	8	5	13	-	-	-	96	96	96	-	12	12
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	71	71	71	-	71	71
FRACTURE-----	-	-	-	4	4	4	1	5	-	-	-	270	270	270	-	68	68
HERNIA (NOT DISC)-----	-	-	2	-	2	2	-	2	-	-	100	-	100	100	50	-	50
RADIATION/ULTRA VIOLET-----	-	-	-	4	4	4	-	4	-	-	-	8	8	8	-	2	2
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
STRAIN/SPRAIN-----	-	1	-	38	39	39	4	43	-	6,000	-	1,109	7,109	7,109	-	29	182
MULTIPLE INJURIES-----	-	-	-	5	5	5	3	8	-	-	-	189	189	189	-	38	38
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	21	21	21	-	21	21
UNCLASSIFIED (NO DATA)-----	-	-	-	5	5	5	-	5	-	-	-	333	333	333	-	67	67
TOTAL OR AVERAGE-----	2	1	3	80	84	86	15	101	12,000	6,000	310	2,428	8,738	20,738	103	30	241

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, 1990 (CONTINUED)

WORK LOCATION 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 NFDL	PERMANENT						TEMPO- RARY
		TOTAL	PARTIAL							TOTAL	PARTIAL					
TOTAL OR AVERAGE: ALL MINES AND PLANTS:	-	-	1	-	1	1	1	-	-	210	-	210	210	210	-	210
AMPUTATION/ENUCLEATION----	2	-	-	-	2	-	2	12,000	-	-	-	-	12,000	-	-	6,000
ASPHYXIATION/DROWNING----	-	-	-	5	5	1	6	-	-	-	58	58	-	12	12	
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	-	1	-	-	-	1	1	-	1	1	
CHEMICAL BURN-----	-	-	-	20	20	4	24	-	-	-	547	547	-	27	27	
CONTUSION OR BRUISE-----	-	-	-	15	15	11	26	-	-	-	150	150	-	10	10	
CUT OR PUNCTURE-----	-	-	-	2	2	-	2	-	-	-	311	311	-	156	156	
DISLOCATION-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
DUST IN EYE-----	-	-	-	1	1	-	1	-	-	-	28	28	-	28	28	
ELECTRIC SHOCK-----	-	-	-	15	15	4	19	-	-	-	643	643	-	43	43	
FRACTURE-----	-	-	4	-	4	-	4	-	-	200	-	200	50	-	50	
HERNIA (NOT DISC)-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
POISONING (SYSTEMIC)-----	-	-	-	4	4	-	4	-	-	-	8	8	-	2	2	
RADIATION/ULTRA VIOLET-----	-	-	-	2	2	-	2	-	-	-	2	2	-	1	1	
SCRATCH/ABRASION-----	-	-	-	87	88	10	98	-	6,000	-	4,572	10,572	-	53	120	
STRAIN/SPRAIN-----	-	1	-	15	15	4	19	-	-	-	1,180	1,180	-	79	79	
MULTIPLE INJURIES-----	-	-	-	5	5	-	5	-	-	-	402	402	-	80	80	
OTHER INJURY, NEC-----	-	-	-	13	13	1	14	-	-	-	876	876	-	67	67	
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	2	1	5	185	191	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141
GRAND TOTAL OR AVERAGE:	-	-	1	-	1	-	1	-	-	210	-	210	210	210	-	210
AMPUTATION/ENUCLEATION----	2	-	-	-	2	-	2	12,000	-	-	-	-	12,000	-	-	6,000
ASPHYXIATION/DROWNING----	-	-	-	5	5	1	6	-	-	-	58	58	-	12	12	
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	-	1	-	-	-	1	1	-	1	1	
CHEMICAL BURN-----	-	-	-	20	20	4	24	-	-	-	547	547	-	27	27	
CONTUSION OR BRUISE-----	-	-	-	15	15	11	26	-	-	-	150	150	-	10	10	
CUT OR PUNCTURE-----	-	-	-	2	2	-	2	-	-	-	311	311	-	156	156	
DISLOCATION-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
DUST IN EYE-----	-	-	-	1	1	-	1	-	-	-	28	28	-	28	28	
ELECTRIC SHOCK-----	-	-	-	15	15	4	19	-	-	-	643	643	-	43	43	
FRACTURE-----	-	-	4	-	4	-	4	-	-	200	-	200	50	-	50	
HERNIA (NOT DISC)-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
POISONING (SYSTEMIC)-----	-	-	-	4	4	-	4	-	-	-	8	8	-	2	2	
RADIATION/ULTRA VIOLET-----	-	-	-	2	2	-	2	-	-	-	2	2	-	1	1	
SCRATCH/ABRASION-----	-	-	-	87	88	10	98	-	6,000	-	4,572	10,572	-	53	120	
STRAIN/SPRAIN-----	-	1	-	15	15	4	19	-	-	-	1,180	1,180	-	79	79	
MULTIPLE INJURIES-----	-	-	-	5	5	-	5	-	-	-	402	402	-	80	80	
OTHER INJURY, NEC-----	-	-	-	13	13	1	14	-	-	-	876	876	-	67	67	
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	2	1	5	185	191	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141

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, 1990

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
UNDERGROUND MINES:																	
UNDERGROUND:																	
AMPUTATION/ENUCLEATION--	-	-	43	-	43	43	-	43	-	-	19,885	-	19,885	19,885	462	-	462
ASPHYXIATION/DROWNING--	-	-	-	4	4	4	1	5	-	-	-	106	106	106	-	26	26
BURN/SCALD (NOT CHEM.)--	-	-	-	46	46	46	23	69	-	-	1,091	1,091	1,091	1,091	-	24	24
CHEMICAL BURN--	-	-	-	30	30	30	10	40	-	-	489	489	489	489	-	16	16
CONCUSSION (CEREBRAL)--	-	-	-	8	8	8	2	10	-	-	280	280	280	280	-	35	35
CONTUSION OR BRUISE--	22	-	2	1,411	1,413	1,435	191	1,626	132,000	3,000	34,423	37,423	169,423	1,500	24	118	
CUT OR PUNCTURE--	-	-	-	636	636	636	888	1,524	-	-	11,005	11,005	11,005	-	17	17	
DISLOCATION--	-	-	1	44	45	45	7	52	-	50	2,295	2,345	2,345	50	52	52	
DUST IN EYE--	-	-	-	42	42	42	47	89	-	-	383	383	383	-	9	9	
ELECTRIC SHOCK--	5	-	-	17	17	22	4	26	30,000	-	386	386	30,386	-	23	1,381	
ELECT. BURN (CONTACT)--	-	-	-	9	9	9	6	15	-	-	170	170	170	-	19	19	
FRACTURE--	4	-	5	819	824	828	247	1,075	24,000	-	9,600	44,270	53,870	77,870	1,920	54	94
HEARING IMPAIRMENT--	-	-	-	2	2	2	1	3	-	-	10	10	10	-	5	5	
HERNIA (NOT DISC)--	-	-	85	7	92	92	-	92	-	4,250	273	4,523	4,523	50	39	49	
POISONING (SYSTEMIC)--	-	-	-	4	4	4	-	4	-	-	41	41	41	-	10	10	
RADIATION/ULTRA VIOLET--	-	-	-	75	75	75	9	84	-	-	1,334	1,334	1,334	-	18	18	
SCRATCH/ABRASION--	-	-	-	60	60	60	16	76	-	-	691	691	691	-	12	12	
STRAIN/SPRAIN--	-	-	13	4,144	4,157	4,157	300	4,457	-	-	25,305	186,735	212,040	212,040	1,947	45	51
MULTIPLE INJURIES--	10	2	7	589	598	608	118	726	60,000	12,000	17,450	23,559	53,009	113,009	2,493	40	186
OTHER INJURY, NEC--	1	-	-	69	69	70	9	79	6,000	-	-	3,279	3,279	9,279	-	48	133
UNCLASSIFIED (NO DATA)--	1	-	1	369	370	371	60	431	6,000	-	3,000	20,715	23,715	29,715	3,000	56	80
OCCUPATIONAL DISEASES--	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE----	43	2	157	8,385	8,544	8,587	1,940	10,527	258,000	12,000	82,540	331,535	426,075	684,075	526	40	80
SURFACE AT UNDERGROUND:																	
AMPUTATION/ENUCLEATION--	-	-	7	-	7	7	-	7	-	-	885	-	885	885	126	-	126
ASPHYXIATION/DROWNING--	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
BURN/SCALD (NOT CHEM.)--	-	-	-	3	3	3	6	9	-	-	21	21	21	21	-	7	7
CHEMICAL BURN--	-	-	-	1	1	1	4	5	-	-	2	2	2	2	-	2	2
CONCUSSION (CEREBRAL)--	-	-	-	1	1	1	-	1	-	-	29	29	29	29	-	29	29
CONTUSION OR BRUISE--	-	-	-	86	86	86	19	105	-	-	1,824	1,824	1,824	1,824	-	21	21
CUT OR PUNCTURE--	-	-	-	62	62	62	113	175	-	-	851	851	851	851	-	14	14
DISLOCATION--	-	-	-	2	2	2	1	3	-	-	33	33	33	33	-	16	16
DUST IN EYE--	-	-	-	3	3	3	7	10	-	-	3	3	3	3	-	1	1
ELECTRIC SHOCK--	1	-	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	-	6,000
ELECT. BURN (CONTACT)--	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FRACTURE--	-	-	1	45	46	46	31	77	-	-	1,200	2,099	3,299	3,299	1,200	47	72
HERNIA (NOT DISC)--	-	-	8	2	10	10	-	10	-	-	400	95	495	495	50	48	50
POISONING (SYSTEMIC)--	-	-	-	4	4	4	1	5	-	-	78	78	78	78	-	20	20
RADIATION/ULTRA VIOLET--	-	-	-	11	11	11	4	15	-	-	319	319	319	319	-	29	29
SCRATCH/ABRASION--	-	-	-	2	2	2	3	5	-	-	3	3	3	3	-	2	2
STRAIN/SPRAIN--	-	-	1	296	297	297	29	326	-	-	3,000	12,670	15,670	15,670	3,000	43	53
MULTIPLE INJURIES--	1	-	-	37	37	38	17	55	6,000	-	-	2,075	2,075	8,075	-	56	212
OTHER INJURY, NEC--	-	-	-	3	3	3	2	5	-	-	49	49	49	49	-	16	16
UNCLASSIFIED (NO DATA)--	-	-	-	19	19	19	1	20	-	-	932	932	932	932	-	49	49
TOTAL OR AVERAGE----	2	-	17	578	595	597	239	836	12,000	-	5,485	21,084	26,569	38,569	323	36	65

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, 1990 (CONTINUED)

WORK LOCATION 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE, UG:	-	-	50	-	50	50	-	50	-	-	20,770	-	20,770	20,770	415	-	415
AMPUTATION/ENUCLEATION----	-	-	-	5	5	5	1	6	-	-	-	107	107	107	-	21	21
ASPHYXIATION/DROWNING----	-	-	-	49	49	49	29	78	-	-	-	1,112	1,112	1,112	-	23	23
BURN/SCALD (NOT CHEM.)----	-	-	-	31	31	31	14	45	-	-	-	491	491	491	-	16	16
CHEMICAL BURN----	-	-	-	9	9	9	2	11	-	-	-	309	309	309	-	34	34
CONCUSSION (CEREBRAL)----	-	-	-	1,497	1,499	1,521	210	1,731	132,000	-	3,000	36,247	39,247	171,247	1,500	24	113
CONTUSION OR BRUISE----	-	-	-	698	698	698	1,001	1,699	-	-	-	11,856	11,856	11,856	-	17	17
CUT OR PUNCTURE----	-	-	1	46	47	47	8	55	-	-	50	2,328	2,378	2,378	50	51	51
DISLOCATION----	-	-	-	45	45	45	54	99	-	-	-	386	386	386	-	9	9
DUST IN EYE----	6	-	-	17	17	23	4	27	36,000	-	-	386	386	36,386	-	23	1,582
ELECTRIC SHOCK----	-	-	-	9	9	9	7	16	-	-	-	170	170	170	-	19	19
ELECT. BURN (CONTACT)----	4	-	6	864	870	874	278	1,152	24,000	-	10,800	46,369	57,169	81,169	1,800	54	93
FRACTURE----	-	-	-	2	2	2	1	3	-	-	-	10	10	10	-	5	5
HEARING IMPAIRMENT----	-	-	93	9	102	102	-	102	-	-	4,650	368	5,018	5,018	50	41	49
HERNIA (NOT DISC)----	-	-	-	8	8	8	1	9	-	-	-	119	119	119	-	15	15
POISONING (SYSTEMIC)----	-	-	-	86	86	86	13	99	-	-	-	1,653	1,653	1,653	-	19	19
RADIATION/ULTRA VIOLET----	-	-	-	62	62	62	19	81	-	-	-	694	694	694	-	11	11
SCRATCH/ABRASION----	-	-	14	4,440	4,454	4,454	329	4,783	-	-	28,305	199,405	227,710	227,710	2,022	45	51
STRAIN/SPRAIN----	11	2	7	626	635	646	135	781	66,000	12,000	17,450	25,634	55,084	121,084	2,493	41	187
MULTIPLE INJURIES----	1	-	-	72	72	73	11	84	6,000	-	-	3,328	3,328	9,328	-	46	128
OTHER INJURY, NEC----	1	-	1	388	389	390	61	451	6,000	-	3,000	21,647	24,647	30,647	3,000	56	79
UNCLASSIFIED (NO DATA)----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
OCCUPATIONAL DISEASES----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	45	2	174	8,963	9,139	9,184	2,179	11,363	270,000	12,000	88,025	352,619	452,644	722,644	506	39	79
SURFACE MINES:																	
STRIP:																	
AMPUTATION/ENUCLEATION----	-	-	8	-	8	8	-	8	-	-	625	-	625	625	78	-	78
ASPHYXIATION/DROWNING----	2	-	-	2	2	4	-	4	12,000	-	-	6	6	12,006	-	3	3,002
BURN/SCALD (NOT CHEM.)----	-	-	-	37	37	37	23	60	-	-	-	900	900	900	-	24	24
CHEMICAL BURN----	-	-	-	16	16	16	11	27	-	-	-	167	167	167	-	10	10
CONCUSSION (CEREBRAL)----	-	-	-	4	4	4	2	6	-	-	-	71	71	71	-	18	18
CONTUSION OR BRUISE----	-	-	1	161	162	162	49	211	-	-	3,000	2,882	5,882	5,882	3,000	18	36
CUT OR PUNCTURE----	-	-	-	130	130	130	342	472	-	-	-	2,037	2,037	2,037	-	16	16
DERMATITIS----	-	-	-	2	2	2	-	2	-	-	-	12	12	12	-	6	6
DISLOCATION----	-	-	-	14	14	14	3	17	-	-	-	722	722	722	-	52	52
DUST IN EYE----	-	-	-	10	10	10	42	52	-	-	-	22	22	22	-	2	2
ELECTRIC SHOCK----	-	-	-	2	2	2	-	2	-	-	-	3	3	3	-	2	2
ELECT. BURN (CONTACT)----	-	-	-	5	5	5	1	6	-	-	-	102	102	102	-	20	20
FRACTURE----	2	-	-	157	157	159	72	231	12,000	-	-	7,559	7,559	19,559	-	48	123
HERNIA (NOT DISC)----	-	-	18	2	20	20	-	20	-	-	900	35	935	935	50	18	47
POISONING (SYSTEMIC)----	-	-	-	5	5	5	3	8	-	-	-	13	13	13	-	3	3
RADIATION/ULTRA VIOLET----	-	-	-	15	15	15	6	21	-	-	-	27	27	27	-	2	2
SCRATCH/ABRASION----	-	-	-	15	15	15	18	33	-	-	-	221	221	221	-	15	15
STRAIN/SPRAIN----	-	-	2	753	755	755	119	874	-	-	650	26,630	27,280	27,280	325	35	36
MULTIPLE INJURIES----	4	-	2	147	149	153	46	199	24,000	-	7,500	6,299	13,799	37,799	3,750	43	247
OTHER INJURY, NEC----	1	-	-	22	22	23	9	32	6,000	-	-	808	808	6,808	-	37	296
UNCLASSIFIED (NO DATA)----	-	-	1	63	64	64	26	90	-	-	3,000	2,090	5,090	5,090	3,000	33	80
OCCUPATIONAL DISEASES----	-	-	-	1	1	1	-	1	-	-	-	39	39	39	-	39	39
TOTAL OR AVERAGE-----	9	-	32	1,563	1,595	1,604	772	2,376	54,000	-	15,675	50,645	66,320	120,320	490	32	75

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, 1990 (CONTINUED)

WORK LOCATION 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
AUGER:																	
AMPUTATION/ENUCLEATION--	-	-	1	-	1	1	-	1	-	-	60	-	60	60	60	-	60
CONTUSION OR BRUISE-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE-----	-	-	-	5	5	5	3	8	-	-	-	32	32	32	-	6	6
FRACTURE-----	-	-	1	6	7	7	-	7	-	-	1,200	255	1,455	1,455	1,200	42	208
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	-	-	2	2	2	-	2	2
STRAIN/SPRAIN-----	-	-	-	8	8	8	1	9	-	-	-	381	381	381	-	48	48
MULTIPLE INJURIES-----	-	-	-	2	2	2	1	3	-	-	-	42	42	42	-	21	21
OTHER INJURY, NEC-----	-	-	-	1	1	1	1	2	-	-	-	44	44	44	-	44	44
UNCLASSIFIED (NO DATA)--	-	-	-	4	4	4	2	6	-	-	-	425	425	425	-	106	106
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	2,441	630	44	84
CULM BANK:																	
BURN/SCALD (NOT CHEM.)--	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	31	31	31	-	31	31
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	9	9	9	-	9	9
STRAIN/SPRAIN-----	-	-	-	4	4	4	-	4	-	-	-	246	246	246	-	62	62
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	19	19	19	-	19	19
UNCLASSIFIED (NO DATA)--	-	-	-	2	2	2	-	2	-	-	-	6	6	6	-	3	3
TOTAL OR AVERAGE-----	-	-	-	10	10	10	-	10	-	-	-	313	313	313	-	31	31
DREDGE:																	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	18	18	18	-	18	18
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	-	-	8	8	8	-	8	8
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9

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, 1990 (CONTINUED)

WORK LOCATION 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					PERMANENT		TEMPO- RARY					TOTAL NFDL
		TOTAL	PARTIAL						TOTAL	PARTIAL						
TOTAL OR AVERAGE, SURFACE:	-	-	9	-	9	-	9	-	-	685	-	685	76	-	76	
AMPUTATION/ENUCLEATION----	2	-	-	2	2	-	4	12,000	-	-	6	6	12,006	-	3	3,002
ASPHYXIATION/DROWNING----	-	-	-	38	38	23	61	-	-	-	902	902	-	24	24	
BURN/SCALD (NOT CHEM.)----	-	-	-	16	16	11	27	-	-	-	167	167	-	10	10	
CHEMICAL BURN-----	-	-	-	4	4	2	6	-	-	-	71	71	-	18	18	
CONCUSSION (CEREBRAL)----	-	-	1	163	164	50	214	-	-	3,000	2,915	5,915	3,000	18	36	
CONTUSION OR BRUISE-----	-	-	-	136	136	345	481	-	-	-	2,087	2,087	-	15	15	
CUT OR PUNCTURE-----	-	-	-	2	2	-	2	-	-	-	12	12	-	6	6	
DERMATITIS-----	-	-	-	14	14	3	17	-	-	-	722	722	-	52	52	
DISLOCATION-----	-	-	-	10	10	42	52	-	-	-	22	22	-	2	2	
DUST IN EYE-----	-	-	-	2	2	-	2	-	-	-	3	3	-	2	2	
ELECTRIC SHOCK-----	-	-	-	5	5	1	6	-	-	-	102	102	-	20	20	
ELECT. BURN (CONTACT)----	2	-	1	164	165	72	239	12,000	-	1,200	7,823	9,023	1,200	48	126	
FRACTURE-----	-	-	18	2	20	-	20	-	-	900	35	935	50	18	47	
HERNIA (NOT DISC)-----	-	-	-	5	5	3	8	-	-	-	13	13	-	3	3	
POISONING (SYSTEMIC)-----	-	-	-	15	15	6	21	-	-	-	27	27	-	2	2	
RADIATION/ULTRA VIOLET----	-	-	-	16	16	19	35	-	-	-	223	223	-	14	14	
SCRATCH/ABRASION-----	-	-	2	766	768	120	888	-	-	650	27,265	27,915	325	36	36	
STRAIN/SPRAIN-----	4	-	2	150	152	47	203	24,000	-	7,500	6,360	13,860	3,750	42	243	
MULTIPLE INJURIES-----	1	-	-	23	23	24	10	6,000	-	-	852	852	-	37	286	
OTHER INJURY, NEC-----	-	-	1	69	70	28	98	-	-	3,000	2,521	5,521	3,000	37	79	
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	-	1	-	-	-	39	39	-	39	39	
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	9	-	34	1,603	1,637	1,646	782	54,000	-	16,935	52,167	69,102	498	33	75	
TOTAL OR AVERAGE, MINING:	-	-	59	-	59	-	59	-	-	21,455	-	21,455	364	-	364	
AMPUTATION/ENUCLEATION----	2	-	-	7	7	9	10	12,000	-	-	113	113	-	16	1,346	
ASPHYXIATION/DROWNING----	-	-	-	87	87	87	52	-	-	-	2,014	2,014	-	23	23	
BURN/SCALD (NOT CHEM.)----	-	-	-	47	47	25	72	-	-	-	658	658	-	14	14	
CHEMICAL BURN-----	-	-	-	13	13	4	17	-	-	-	380	380	-	29	29	
CONCUSSION (CEREBRAL)----	22	-	3	1,660	1,663	1,685	260	132,000	-	6,000	39,162	45,162	2,000	24	105	
CONTUSION OR BRUISE-----	-	-	-	834	834	834	1,346	-	-	-	13,943	13,943	-	17	17	
CUT OR PUNCTURE-----	-	-	-	2	2	-	2	-	-	-	12	12	-	6	6	
DERMATITIS-----	-	-	-	60	61	11	72	-	-	50	3,050	3,100	50	51	51	
DISLOCATION-----	-	-	1	55	55	96	151	-	-	-	408	408	-	7	7	
DUST IN EYE-----	6	-	-	19	19	25	49	36,000	-	-	389	389	-	20	1,456	
ELECTRIC SHOCK-----	-	-	-	14	14	8	22	-	-	-	272	272	-	19	19	
ELECT. BURN (CONTACT)----	6	-	7	1,028	1,035	1,041	350	36,000	-	12,000	54,192	66,192	1,714	53	98	
FRACTURE-----	-	-	-	2	2	1	3	-	-	-	10	10	-	5	5	
HEARING IMPAIRMENT-----	-	-	111	11	122	122	122	-	-	5,550	403	5,953	50	37	49	
HERNIA (NOT DISC)-----	-	-	-	13	13	4	17	-	-	-	132	132	-	10	10	
POISONING (SYSTEMIC)-----	-	-	-	101	101	19	120	-	-	-	1,680	1,680	-	17	17	
RADIATION/ULTRA VIOLET----	-	-	-	78	78	38	116	-	-	-	917	917	-	12	12	
SCRATCH/ABRASION-----	-	-	16	5,206	5,222	449	5,671	-	-	28,955	226,670	255,625	1,810	44	49	
STRAIN/SPRAIN-----	15	2	9	776	787	802	182	90,000	12,000	24,950	31,994	68,944	2,772	41	198	
MULTIPLE INJURIES-----	2	-	-	95	95	97	21	12,000	-	-	4,180	4,180	-	44	167	
OTHER INJURY, NEC-----	1	-	2	457	459	460	89	6,000	-	6,000	24,168	30,168	3,000	53	79	
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	2	-	-	-	39	39	-	39	39	
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	54	2	208	10,566	10,776	10,830	2,961	324,000	12,000	104,960	404,786	521,746	845,746	505	38	78

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, 1990 (CONTINUED)

WORK LOCATION 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
INDEPENDENT SHOPS:																	
BURN/SCALD (NOT CHEM.)----	1	-	-	-	1	2	3	6,000	-	-	-	-	6,000	-	-	6,000	
CHEMICAL BURN-----	-	-	-	1	1	1	2	-	-	-	31	31	-	31	31	-	
CONTUSION OR BRUISE-----	-	-	-	8	8	8	5	13	-	-	420	420	420	-	52	52	
CUT OR PUNCTURE-----	-	-	-	7	7	7	18	25	-	-	32	32	32	-	5	5	
DUST IN EYE-----	-	-	-	1	1	1	6	7	-	-	2	2	2	-	2	2	
FRACTURE-----	-	-	-	7	7	7	4	11	-	-	273	273	273	-	39	39	
HERNIA (NOT DISC)-----	-	-	2	-	2	2	-	2	-	100	-	100	100	50	-	50	
RADIATION/ULTRA VIOLET----	-	-	-	2	2	2	-	2	-	-	2	2	2	-	1	1	
SCRATCH/ABRASION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN-----	-	-	-	34	34	34	4	38	-	-	944	944	944	-	28	28	
MULTIPLE INJURIES-----	-	-	-	6	6	6	3	9	-	-	169	169	169	-	28	28	
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	13	13	13	-	13	13	
UNCLASSIFIED (NO DATA)----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	1	-	2	67	69	70	45	115	6,000	-	100	1,886	1,986	7,986	50	28	114
PROCESSING PLANTS:																	
AMPUTATION/ENUCLEATION----	-	-	10	-	10	10	-	10	-	-	7,170	-	7,170	7,170	717	-	717
ASPHYXIATION/DROWNING-----	-	-	-	1	1	1	-	1	-	-	-	12	12	-	12	12	
BURN/SCALD (NOT CHEM.)----	-	-	-	19	19	19	7	26	-	-	442	442	442	-	23	23	
CHEMICAL BURN-----	-	-	-	4	4	4	8	12	-	-	13	13	13	-	3	3	
CONCUSSION (CEREBRAL)-----	-	-	-	1	1	1	-	1	-	-	7	7	7	-	7	7	
CONTUSION OR BRUISE-----	-	-	2	87	89	89	20	109	-	-	3,720	1,932	5,652	5,652	1,860	22	64
CUT OR PUNCTURE-----	-	-	-	61	61	61	156	217	-	-	-	882	882	-	14	14	
DERMATITIS-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
DISLOCATION-----	-	-	-	5	5	5	2	7	-	-	-	154	154	-	31	31	
DUST IN EYE-----	-	-	-	11	11	11	18	29	-	-	-	80	80	-	7	7	
ELECTRIC SHOCK-----	1	-	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	-	6,000
FRACTURE-----	-	-	-	77	77	77	23	100	-	-	4,506	4,506	4,506	-	59	59	
HERNIA (NOT DISC)-----	-	-	13	-	13	13	-	13	-	650	-	650	650	50	-	50	
POISONING (SYSTEMIC)-----	-	-	-	4	4	4	6	10	-	-	132	132	132	-	33	33	
RADIATION/ULTRA VIOLET----	-	-	-	17	17	17	4	21	-	-	121	121	121	-	7	7	
SCRATCH/ABRASION-----	-	-	-	9	9	9	12	21	-	-	102	102	102	-	11	11	
STRAIN/SPRAIN-----	-	-	-	375	375	375	41	416	-	-	14,643	14,643	14,643	-	39	39	
MULTIPLE INJURIES-----	1	-	-	64	64	65	16	81	6,000	-	3,077	3,077	9,077	-	48	140	
OTHER INJURY, NEC-----	-	-	-	8	8	8	1	9	-	-	207	207	207	-	26	26	
UNCLASSIFIED (NO DATA)----	-	-	1	18	19	19	6	25	-	-	3,000	1,301	4,301	3,000	72	226	
TOTAL OR AVERAGE-----	2	-	26	761	787	789	321	1,110	12,000	-	14,540	27,611	42,151	54,151	559	36	69

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, 1990 (CONTINUED)

WORK LOCATION 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	69	-	69	69	-	69	-	-	28,625	-	28,625	28,625	415	-	415
AMPUTATION/ENUCLEATION-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASPHYXIATION/DROWNING-----	2	-	-	8	8	10	1	11	12,000	-	-	125	125	12,125	-	16	1,212
BURN/SCALD (NOT CHEM.)-----	1	-	-	106	106	107	61	168	6,000	-	-	2,456	2,456	8,456	-	23	79
CHEMICAL BURN-----	-	-	-	52	52	52	34	86	-	-	-	702	702	702	-	14	14
CONCUSSION (CEREBRAL)-----	-	-	-	14	14	14	4	18	-	-	-	387	387	387	-	28	28
CONTUSION OR BRUISE-----	22	-	5	1,755	1,760	1,782	285	2,067	132,000	-	9,720	41,514	51,234	183,234	1,944	24	103
CUT OR PUNCTURE-----	-	-	-	902	902	902	1,520	2,422	-	-	-	14,857	14,857	14,857	-	16	16
DERMATITIS-----	-	-	-	2	2	2	1	3	-	-	-	12	12	12	-	6	6
DISLOCATION-----	-	-	1	65	66	66	13	79	-	-	50	3,204	3,254	3,254	50	49	49
DUST IN EYE-----	-	-	-	67	67	67	120	187	-	-	-	490	490	490	-	7	7
ELECTRIC SHOCK-----	7	-	-	19	19	26	4	30	42,000	-	-	389	389	42,389	-	20	1,630
ELECT. BURN (CONTACT)-----	-	-	-	14	14	14	8	22	-	-	-	272	272	272	-	19	19
FRACTURE-----	6	-	7	1,112	1,119	1,125	377	1,502	36,000	-	12,000	58,971	70,971	106,971	1,714	53	95
HEARING IMPAIRMENT-----	-	-	-	2	2	2	1	3	-	-	-	10	10	10	-	5	5
HERNIA (NOT DISC)-----	-	-	126	11	137	137	-	137	-	-	6,300	403	6,703	6,703	50	37	49
POISONING (SYSTEMIC)-----	-	-	-	17	17	17	10	27	-	-	-	264	264	264	-	16	16
RADIATION/ULTRA VIOLET-----	-	-	-	120	120	120	23	143	-	-	-	1,803	1,803	1,803	-	15	15
SCRATCH/ABRASION-----	-	-	-	87	87	87	51	138	-	-	-	1,019	1,019	1,019	-	12	12
STRAIN/SPRAIN-----	-	-	16	5,615	5,631	5,631	494	6,125	-	-	28,955	242,257	271,212	271,212	1,810	43	48
MULTIPLE INJURIES-----	16	2	9	846	857	873	201	1,074	96,000	12,000	24,950	35,240	72,190	168,190	2,772	42	193
OTHER INJURY, NEC-----	2	-	-	104	104	106	22	128	12,000	-	-	4,400	4,400	16,400	-	42	155
UNCLASSIFIED (NO DATA)-----	1	-	3	475	478	479	96	575	6,000	-	9,000	25,469	34,469	40,469	3,000	54	84
OCCUPATIONAL DISEASES-----	-	-	-	1	1	1	1	2	-	-	-	39	39	39	-	39	39
TOTAL OR AVERAGE-----	57	2	236	11,394	11,632	11,689	3,327	15,016	342,000	12,000	119,600	434,283	565,883	907,883	507	38	78
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE-----	-	-	-	2	2	2	2	4	-	-	-	12	12	12	-	6	6
CUT OR PUNCTURE-----	-	-	-	-	-	-	5	5	-	-	-	-	-	-	-	-	-
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
FRACTURE-----	-	-	-	2	2	2	1	3	-	-	-	47	47	47	-	24	24
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
STRAIN/SPRAIN-----	-	-	-	7	7	7	3	10	-	-	-	82	82	82	-	12	12
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
OTHER INJURY, NEC-----	-	-	-	2	2	2	-	2	-	-	-	59	59	59	-	30	30
TOTAL OR AVERAGE-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12

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, 1990 (CONTINUED)

WORK LOCATION 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE:-----	-	-	69	-	69	69	-	-	-	28,625	-	28,625	28,625	415	-	415	
AMPUTATION/ENUCLATION-----	2	-	-	8	8	10	11	12,000	-	-	125	125	12,125	-	16	1,212	
ASPHYXIATION/DROWNING-----	1	-	-	106	106	107	168	6,000	-	-	2,456	2,456	8,456	-	23	79	
BURN/SCALD (NOT CHEM.)-----	-	-	-	52	52	52	86	-	-	-	702	702	702	-	14	14	
CHEMICAL BURN-----	-	-	-	14	14	14	4	-	-	-	387	387	387	-	28	28	
CONCUSSION (CEREBRAL)-----	22	-	5	1,757	1,762	1,784	287	2,071	132,000	9,720	41,526	51,246	183,246	1,944	24	103	
CONTUSION OR BRUISE-----	-	-	-	902	902	902	1,525	2,427	-	-	14,857	14,857	14,857	-	16	16	
CUT OR PUNCTURE-----	-	-	-	2	2	2	1	3	-	-	12	12	12	-	6	6	
DERMATITIS-----	-	-	1	66	67	67	13	80	-	-	50	3,208	3,258	50	49	49	
DISLOCATION-----	-	-	-	67	67	67	120	187	-	-	490	490	490	-	7	7	
DUST IN EYE-----	7	-	-	20	20	27	4	31	42,000	-	-	391	391	-	20	1,570	
ELECTRIC SHOCK-----	-	-	-	14	14	14	8	22	-	-	272	272	272	-	19	19	
ELECT. BURN (CONTACT)-----	6	-	7	1,114	1,121	1,127	378	1,505	36,000	12,000	59,018	71,018	107,018	1,714	53	95	
FRACTURE-----	-	-	-	2	2	2	1	3	-	-	10	10	10	-	5	5	
HEARING IMPAIRMENT-----	-	-	126	11	137	137	-	137	-	-	403	6,703	6,703	50	37	49	
HERNIA (NOT DISC)-----	-	-	-	17	17	17	10	27	-	-	264	264	264	-	16	16	
POISONING (SYSTEMIC)-----	-	-	-	120	120	120	23	143	-	-	1,803	1,803	1,803	-	15	15	
RADIATION/ULTRA VIOLET-----	-	-	-	88	88	88	51	139	-	-	1,020	1,020	1,020	-	12	12	
SCRATCH/ABRASION-----	-	-	16	5,622	5,638	5,638	497	6,135	-	-	28,955	242,339	271,294	1,810	43	48	
STRAIN/SPRAIN-----	16	2	9	847	858	874	201	1,075	96,000	12,000	24,950	35,244	72,194	2,772	42	192	
MULTIPLE INJURIES-----	2	-	-	106	106	108	22	130	12,000	-	4,459	4,459	16,459	-	42	152	
OTHER INJURY, NEC-----	1	-	3	475	478	479	96	575	6,000	-	9,000	25,469	34,469	3,000	54	84	
UNCLASSIFIED (NO DATA)-----	-	-	-	1	1	1	1	2	-	-	39	39	39	-	39	39	
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	57	2	236	11,411	11,649	11,706	3,338	15,044	342,000	12,000	119,600	434,494	566,094	908,094	507	38	78

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, 1990

PART OF BODY INJURED 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
EAR:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	4	4	4	6	10	-	-	-	60	60	60	-	15	15
CHEMICAL BURN-----	-	-	-	1	1	1	2	3	-	-	-	3	3	3	-	3	3
CONTUSION OR BRUISE-----	-	-	-	3	3	3	-	3	-	-	-	12	12	12	-	4	4
CUT OR PUNCTURE-----	-	-	-	22	22	22	33	55	-	-	-	363	363	363	-	16	16
HEARING IMPAIRMENT-----	-	-	-	2	2	2	1	3	-	-	-	10	10	10	-	5	5
OTHER INJURY, NEC-----	-	-	-	2	2	2	2	4	-	-	-	45	45	45	-	22	22
UNCLASSIFIED (NO DATA)----	-	-	-	2	2	2	2	4	-	-	-	12	12	12	-	6	6
TOTAL OR AVERAGE-----	-	-	-	36	36	36	46	82	-	-	-	505	505	505	-	14	14
EYE:																	
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	-	1,800	-	1,800	1,800	1,800	-	1,800
BURN/SCALD (NOT CHEM.)----	-	-	-	11	11	11	17	28	-	-	-	28	28	28	-	3	3
CHEMICAL BURN-----	-	-	-	30	30	30	26	56	-	-	-	335	335	335	-	11	11
CONTUSION OR BRUISE-----	-	-	-	9	9	9	1	10	-	-	-	80	80	80	-	9	9
CUT OR PUNCTURE-----	-	-	-	114	114	114	130	244	-	-	-	1,759	1,759	1,759	-	15	15
DUST IN EYE-----	-	-	-	67	67	67	121	188	-	-	-	490	490	490	-	7	7
RADIATION/ULTRA VIOLET-----	-	-	-	64	64	64	16	80	-	-	-	132	132	132	-	2	2
SCRATCH/ABRASION-----	-	-	-	55	55	55	33	88	-	-	-	452	452	452	-	8	8
MULTIPLE INJURIES-----	-	-	-	5	5	5	4	9	-	-	-	33	33	33	-	7	7
OTHER INJURY, NEC-----	-	-	-	13	13	13	12	25	-	-	-	96	96	96	-	7	7
UNCLASSIFIED (NO DATA)----	-	-	-	4	4	4	2	6	-	-	-	19	19	19	-	5	5
TOTAL OR AVERAGE-----	-	-	1	372	373	373	362	735	-	-	1,800	3,424	5,224	5,224	1,800	9	14
JAW:																	
CONTUSION OR BRUISE-----	-	-	-	3	3	3	1	4	-	-	-	10	10	10	-	3	3
CUT OR PUNCTURE-----	-	-	-	8	8	8	23	31	-	-	-	33	33	33	-	4	4
FRACTURE-----	-	-	-	10	10	10	-	10	-	-	-	434	434	434	-	43	43
MULTIPLE INJURIES-----	-	-	-	1	1	1	2	3	-	-	-	2	2	2	-	2	2
TOTAL OR AVERAGE-----	-	-	-	22	22	22	26	48	-	-	-	479	479	479	-	22	22
MOUTH/TEETH/TONGUE:																	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	3	4	-	-	-	5	5	5	-	5	5
CUT OR PUNCTURE-----	-	-	-	17	17	17	38	55	-	-	-	76	76	76	-	4	4
FRACTURE-----	-	-	-	10	10	10	51	61	-	-	-	32	32	32	-	3	3
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	12	12	12	-	12	12
MULTIPLE INJURIES-----	-	-	-	6	6	6	9	15	-	-	-	48	48	48	-	8	8
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
TOTAL OR AVERAGE-----	-	-	-	36	36	36	101	137	-	-	-	176	176	176	-	5	5

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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
NOSE:																	
CONTUSION OR BRUISE-----	-	-	-	3	3	3	2	5	-	-	-	25	25	25	-	8	8
CUT OR PUNCTURE-----	-	-	-	8	8	8	20	28	-	-	-	221	221	221	-	28	28
FRACTURE-----	-	-	-	12	12	12	9	21	-	-	-	398	398	398	-	33	33
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	24	24	24	-	24	24
MULTIPLE INJURIES-----	-	-	-	4	4	4	2	6	-	-	-	46	46	46	-	12	12
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
UNCLASSIFIED (NO DATA)----	-	-	-	2	2	2	1	3	-	-	-	14	14	14	-	7	7
TOTAL OR AVERAGE-----	-	-	-	31	31	31	34	65	-	-	-	730	730	730	-	24	24
SCALP:																	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
CUT OR PUNCTURE-----	-	-	-	5	5	5	8	13	-	-	-	6	6	6	-	1	1
OTHER INJURY, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	6	6	6	9	15	-	-	-	7	7	7	-	1	1
SKULL:																	
FRACTURE-----	2	-	-	2	2	4	-	4	12,000	-	-	168	168	12,168	-	84	3,042
TOTAL OR AVERAGE-----	2	-	-	2	2	4	-	4	12,000	-	-	168	168	12,168	-	84	3,042
FACE, NEC:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	5	5	5	3	8	-	-	-	33	33	33	-	7	7
CHEMICAL BURN-----	-	-	-	1	1	1	1	2	-	-	-	10	10	10	-	10	10
CONTUSION OR BRUISE-----	-	-	-	9	9	9	5	14	-	-	-	111	111	111	-	12	12
CUT OR PUNCTURE-----	-	-	-	27	27	27	50	77	-	-	-	635	635	635	-	24	24
FRACTURE-----	-	-	-	19	19	19	1	20	-	-	-	709	709	709	-	37	37
RADIATION/ULTRA VIOLET----	-	-	-	2	2	2	1	3	-	-	-	25	25	25	-	12	12
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
MULTIPLE INJURIES-----	-	-	-	13	13	13	9	22	-	-	-	160	160	160	-	12	12
UNCLASSIFIED (NO DATA)----	-	-	-	3	3	3	2	5	-	-	-	190	190	190	-	63	63
TOTAL OR AVERAGE-----	-	-	-	80	80	80	73	153	-	-	-	1,874	1,874	1,874	-	23	23
HEAD, NEC:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	2	2	2	-	2	-	-	-	30	30	30	-	15	15
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
CONCUSSION (CEREBRAL)----	-	-	-	14	14	14	4	18	-	-	-	387	387	387	-	28	28
CONTUSION OR BRUISE-----	6	-	-	28	28	34	3	37	36,000	-	-	251	251	36,251	-	9	1,066
CUT OR PUNCTURE-----	-	-	-	70	70	70	174	244	-	-	-	779	779	779	-	11	11
FRACTURE-----	2	-	1	3	4	6	1	7	12,000	-	1,800	330	2,130	14,130	1,800	110	2,355
RADIATION/ULTRA VIOLET----	-	-	-	3	3	3	2	5	-	-	-	29	29	29	-	10	10
SCRATCH/ABRASION-----	-	-	-	5	5	5	1	6	-	-	-	179	179	179	-	36	36
MULTIPLE INJURIES-----	-	1	-	22	23	23	9	32	-	6,000	-	501	6,501	6,501	-	23	283
OTHER INJURY, NEC-----	-	-	-	4	4	4	-	4	-	-	-	118	118	118	-	30	30
UNCLASSIFIED (NO DATA)----	1	-	-	26	26	27	6	33	6,000	-	-	600	600	6,600	-	23	244
TOTAL OR AVERAGE-----	9	1	1	178	180	189	200	389	54,000	6,000	1,800	3,206	11,006	65,006	1,800	18	344

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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
NECK:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
CONTUSION OR BRUISE-----	-	-	-	18	18	18	2	20	-	-	-	217	217	217	-	12	12
CUT OR PUNCTURE-----	-	-	-	7	7	7	8	15	-	-	-	27	27	27	-	4	4
FRACTURE-----	-	-	-	8	8	8	-	8	-	-	-	838	838	838	-	105	105
RADIATION/ULTRA VIOLET-----	-	-	-	2	2	2	-	2	-	-	-	195	195	195	-	98	98
STRAIN/SPRAIN-----	-	-	-	330	330	330	58	388	-	-	-	14,562	14,562	14,562	-	44	44
MULTIPLE INJURIES-----	-	-	-	11	11	11	1	12	-	-	-	622	622	622	-	57	57
OTHER INJURY, NEC-----	-	-	-	10	10	10	1	11	-	-	-	1,026	1,026	1,026	-	103	103
UNCLASSIFIED (NO DATA)----	-	-	-	19	19	19	5	24	-	-	-	615	615	615	-	32	32
TOTAL OR AVERAGE-----	-	-	-	406	406	406	75	481	-	-	-	18,104	18,104	18,104	-	45	45
UPPER ARM:																	
CONTUSION OR BRUISE-----	-	-	-	6	6	6	-	6	-	-	-	134	134	134	-	22	22
CUT OR PUNCTURE-----	-	-	-	4	4	4	7	11	-	-	-	40	40	40	-	10	10
ELECT. BURN (CONTACT)-----	-	-	-	1	1	1	-	1	-	-	-	14	14	14	-	14	14
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	39	39	39	-	39	39
STRAIN/SPRAIN-----	-	-	-	8	8	8	-	8	-	-	-	366	366	366	-	46	46
MULTIPLE INJURIES-----	-	-	-	2	2	2	-	2	-	-	-	30	30	30	-	15	15
TOTAL OR AVERAGE-----	-	-	-	22	22	22	7	29	-	-	-	623	623	623	-	28	28
ELBOW:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
CONTUSION OR BRUISE-----	-	-	-	74	74	74	14	88	-	-	-	1,821	1,821	1,821	-	25	25
CUT OR PUNCTURE-----	-	-	-	2	2	2	13	15	-	-	-	41	41	41	-	20	20
DISLOCATION-----	-	-	-	2	2	2	1	3	-	-	-	55	55	55	-	28	28
FRACTURE-----	-	-	-	14	14	14	5	19	-	-	-	653	653	653	-	47	47
STRAIN/SPRAIN-----	-	-	-	43	43	43	7	50	-	-	-	1,079	1,079	1,079	-	25	25
MULTIPLE INJURIES-----	-	-	-	5	5	5	3	8	-	-	-	71	71	71	-	14	14
OTHER INJURY, NEC-----	-	-	-	6	6	6	1	7	-	-	-	246	246	246	-	41	41
UNCLASSIFIED (NO DATA)----	-	-	-	11	11	11	2	13	-	-	-	482	482	482	-	44	44
TOTAL OR AVERAGE-----	-	-	-	158	158	158	46	204	-	-	-	4,450	4,450	4,450	-	28	28
FOREARM:																	
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	-	3,600	-	3,600	3,600	3,600	-	3,600
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	5	6	-	-	-	2	2	2	-	2	2
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
CONTUSION OR BRUISE-----	-	-	-	24	24	24	9	33	-	-	-	753	753	753	-	31	31
CUT OR PUNCTURE-----	-	-	-	25	25	25	68	93	-	-	-	316	316	316	-	13	13
FRACTURE-----	-	-	-	14	14	14	2	16	-	-	-	821	821	821	-	59	59
RADIATION/ULTRA VIOLET-----	-	-	-	4	4	4	-	4	-	-	-	120	120	120	-	30	30
SCRATCH/ABRASION-----	-	-	-	1	1	1	2	3	-	-	-	4	4	4	-	4	4
STRAIN/SPRAIN-----	-	-	-	5	5	5	1	6	-	-	-	220	220	220	-	44	44
MULTIPLE INJURIES-----	-	-	-	5	5	5	2	7	-	-	-	63	63	63	-	13	13
UNCLASSIFIED (NO DATA)----	-	-	-	2	2	2	-	2	-	-	-	4	4	4	-	2	2
TOTAL OR AVERAGE-----	-	-	1	82	83	83	89	172	-	-	3,600	2,307	5,907	5,907	3,600	28	71

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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL	PERMANENT						TEMPO- RARY	
		TOTAL	PARTIAL							TOTAL	PARTIAL						
WRIST:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	3	4	-	-	-	4	4	4	-	4	4
CHEMICAL BURN-----	-	-	-	3	3	3	2	5	-	-	-	44	44	44	-	15	15
CONTUSION OR BRUISE-----	-	-	-	17	17	17	3	20	-	-	-	104	104	104	-	6	6
CUT OR PUNCTURE-----	-	-	-	13	13	13	29	42	-	-	-	433	433	433	-	33	33
ELECT. BURN (CONTACT)-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15
FRACTURE-----	-	-	-	49	49	49	7	56	-	-	-	2,976	2,976	2,976	-	61	61
RADIATION/ULTRA VIOLET-----	-	-	-	3	3	3	-	3	-	-	-	22	22	22	-	7	7
STRAIN/SPRAIN-----	-	-	-	89	89	89	13	102	-	-	-	2,678	2,678	2,678	-	30	30
MULTIPLE INJURIES-----	-	-	-	7	7	7	1	8	-	-	-	491	491	491	-	70	70
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	33	33	33	-	33	33
UNCLASSIFIED (NO DATA)-----	-	-	-	7	7	7	1	8	-	-	-	359	359	359	-	51	51
TOTAL OR AVERAGE-----	-	-	-	191	191	191	59	250	-	-	-	7,159	7,159	7,159	-	37	37
HAND:																	
AMPUTATION/ENUCLEATION----	-	-	2	-	2	2	-	2	-	-	3,100	-	3,100	3,100	1,550	-	1,550
BURN/SCALD (NOT CHEM.)----	-	-	-	17	17	17	9	26	-	-	-	309	309	309	-	18	18
CHEMICAL BURN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE-----	-	-	-	105	105	105	20	125	-	-	-	2,479	2,479	2,479	-	24	24
CUT OR PUNCTURE-----	-	-	-	100	100	100	188	288	-	-	-	1,959	1,959	1,959	-	20	20
DERMATITIS-----	-	-	-	2	2	2	-	2	-	-	-	12	12	12	-	6	6
ELECT. BURN (CONTACT)-----	-	-	-	7	7	7	2	9	-	-	-	136	136	136	-	19	19
FRACTURE-----	-	-	-	61	61	61	24	85	-	-	-	2,586	2,586	2,586	-	42	42
RADIATION/ULTRA VIOLET-----	-	-	-	16	16	16	2	18	-	-	-	216	216	216	-	14	14
SCRATCH/ABRASION-----	-	-	-	2	2	2	3	5	-	-	-	49	49	49	-	24	24
STRAIN/SPRAIN-----	-	-	-	23	23	23	3	26	-	-	-	360	360	360	-	16	16
MULTIPLE INJURIES-----	-	-	-	42	42	42	15	57	-	-	-	1,027	1,027	1,027	-	24	24
OTHER INJURY, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)-----	-	-	-	9	9	9	2	11	-	-	-	284	284	284	-	32	32
TOTAL OR AVERAGE-----	-	-	2	384	386	386	270	656	-	-	3,100	9,417	12,517	12,517	1,550	25	32
FINGER(S):																	
AMPUTATION/ENUCLEATION----	-	-	60	-	60	60	-	60	-	-	10,660	-	10,660	10,660	178	-	178
BURN/SCALD (NOT CHEM.)----	-	-	-	5	5	5	2	7	-	-	-	45	45	45	-	9	9
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	31	31	31	-	31	31
CONTUSION OR BRUISE-----	-	-	-	186	186	186	81	267	-	-	-	3,307	3,307	3,307	-	18	18
CUT OR PUNCTURE-----	-	-	-	314	314	314	528	842	-	-	-	5,512	5,512	5,512	-	18	18
DISLOCATION-----	-	-	-	8	8	8	6	14	-	-	-	118	118	118	-	15	15
ELECT. BURN (CONTACT)-----	-	-	-	-	-	-	6	6	-	-	-	-	-	-	-	-	-
FRACTURE-----	-	-	-	296	296	296	219	515	-	-	-	8,780	8,780	8,780	-	30	30
RADIATION/ULTRA VIOLET-----	-	-	-	2	2	2	-	2	-	-	-	3	3	3	-	2	2
SCRATCH/ABRASION-----	-	-	-	2	2	2	2	4	-	-	-	13	13	13	-	6	6
STRAIN/SPRAIN-----	-	-	-	26	26	26	12	38	-	-	-	445	445	445	-	17	17
MULTIPLE INJURIES-----	-	-	-	179	179	179	80	259	-	-	-	5,595	5,595	5,595	-	31	31
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
UNCLASSIFIED (NO DATA)-----	-	-	-	13	13	13	8	21	-	-	-	91	91	91	-	7	7
TOTAL OR AVERAGE-----	-	-	60	1,033	1,093	1,093	944	2,037	-	-	10,660	23,943	34,603	34,603	178	23	32

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, 1990 (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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
UPPER EXTREMITIES, NEC: BURN/SCALD (NOT CHEM.)-----	-	-	-	8	8	8	1	9	-	-	-	112	112	112	-	14	14
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
CONTUSION OR BRUISE-----	-	-	-	44	44	44	7	51	-	-	-	465	465	465	-	11	11
CUT OR PUNCTURE-----	-	-	-	23	23	23	51	74	-	-	-	75	75	75	-	3	3
ELECT. BURN (CONTACT)-----	-	-	-	2	2	2	-	2	-	-	-	20	20	20	-	10	10
FRACTURE-----	-	-	-	31	31	31	4	35	-	-	-	1,980	1,980	1,980	-	64	64
RADIATION/ULTRA VIOLET-----	-	-	-	6	6	6	-	6	-	-	-	164	164	164	-	27	27
SCRATCH/ABRASION-----	-	-	-	2	2	2	-	2	-	-	-	30	30	30	-	15	15
STRAIN/SPRAIN-----	-	-	-	56	56	56	11	67	-	-	-	2,393	2,393	2,393	-	43	43
MULTIPLE INJURIES-----	-	-	-	26	26	26	10	36	-	-	-	795	795	795	-	31	31
OTHER INJURY, NEC-----	-	-	-	1	1	1	1	2	-	-	-	16	16	16	-	16	16
UNCLASSIFIED (NO DATA)-----	-	-	-	13	13	13	5	18	-	-	-	522	522	522	-	40	40
TOTAL OR AVERAGE-----	-	-	-	213	213	213	90	303	-	-	-	6,579	6,579	6,579	-	31	31
ABDOMEN: CONTUSION OR BRUISE-----	-	-	-	8	8	8	-	8	-	-	-	138	138	138	-	17	17
CUT OR PUNCTURE-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN-----	-	-	-	46	46	46	4	50	-	-	-	1,037	1,037	1,037	-	23	23
OTHER INJURY, NEC-----	-	-	-	2	2	2	-	2	-	-	-	64	64	64	-	32	32
UNCLASSIFIED (NO DATA)-----	-	-	-	4	4	4	-	4	-	-	-	79	79	79	-	20	20
TOTAL OR AVERAGE-----	-	-	-	60	60	60	6	66	-	-	-	1,318	1,318	1,318	-	22	22
BACK: CONTUSION OR BRUISE-----	-	-	-	152	152	152	14	166	-	-	-	5,772	5,772	5,772	-	38	38
CUT OR PUNCTURE-----	-	-	-	5	5	5	9	14	-	-	-	121	121	121	-	24	24
DISLOCATION-----	-	-	-	2	2	2	1	3	-	-	-	34	34	34	-	17	17
FRACTURE-----	1	-	1	38	39	40	2	42	6,000	-	3,600	2,777	6,377	12,377	3,600	73	309
RADIATION/ULTRA VIOLET-----	-	-	-	1	1	1	-	1	-	-	-	105	105	105	-	105	105
SCRATCH/ABRASION-----	-	-	-	2	2	2	1	3	-	-	-	86	86	86	-	43	43
STRAIN/SPRAIN-----	-	-	12	3,144	3,156	3,156	258	3,414	-	-	24,180	146,728	170,908	170,908	2,015	47	54
MULTIPLE INJURIES-----	-	-	-	34	34	34	3	37	-	-	-	1,355	1,355	1,355	-	40	40
OTHER INJURY, NEC-----	-	-	-	24	24	24	-	24	-	-	-	952	952	952	-	40	40
UNCLASSIFIED (NO DATA)-----	-	-	-	112	112	112	18	130	-	-	-	8,618	8,618	8,618	-	77	77
OCCUPATIONAL DISEASES-----	-	-	-	1	1	1	-	1	-	-	-	39	39	39	-	39	39
TOTAL OR AVERAGE-----	1	-	13	3,515	3,528	3,529	306	3,835	6,000	-	27,780	166,587	194,367	200,367	2,137	47	57

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, 1990 (CONTINUED)

PART OF BODY INJURED 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					PERMANENT		TEMPO- RARY					TOTAL NFDL
		TOTAL	PARTIAL						TOTAL	PARTIAL						
CHEST:																
BURN/SCALD (NOT CHEM.)----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	10	10	10	-	10	
CONTUSION OR BRUISE-----	3	-	-	70	70	73	14	87	18,000	-	-	899	899	18,899	-	
CUT OR PUNCTURE-----	-	-	-	2	2	2	6	8	-	-	8	8	8	-	4	
DISLOCATION-----	-	-	-	3	3	3	1	4	-	-	31	31	31	-	10	
FRACTURE-----	1	-	-	78	78	79	18	97	6,000	-	-	2,145	2,145	8,145	-	
SCRATCH/ABRASION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
SPRAIN/SPRAIN-----	-	-	-	54	54	54	4	58	-	-	1,253	1,253	1,253	-	23	
MULTIPLE INJURIES-----	2	-	-	21	21	23	3	26	12,000	-	-	415	415	12,415	-	
OTHER INJURY, NEC-----	-	-	-	3	3	3	-	3	-	-	7	7	7	-	2	
UNCLASSIFIED (NO DATA)----	-	-	-	14	14	14	4	18	-	-	-	287	287	287	-	
TOTAL OR AVERAGE-----	6	-	-	246	246	252	52	304	36,000	-	-	5,055	5,055	41,055	-	
PELVIC REGION:																
BURN/SCALD (NOT CHEM.)----	-	-	-	2	2	2	1	3	-	-	-	22	22	22	-	
CHEMICAL BURN-----	-	-	-	2	2	2	-	2	-	-	8	8	8	-	4	
CONTUSION OR BRUISE-----	-	-	-	45	45	45	8	53	-	-	1,585	1,585	1,585	-	35	
CUT OR PUNCTURE-----	-	-	-	2	2	2	4	6	-	-	30	30	30	-	15	
DISLOCATION-----	-	-	1	6	7	7	-	7	-	-	50	920	970	50	153	
FRACTURE-----	-	-	1	28	29	29	-	29	-	-	1,200	2,755	3,955	1,200	98	
HERNIA (NOT DISC)-----	-	-	130	11	141	141	-	141	-	-	6,500	403	6,903	50	37	
SPRAIN/SPRAIN-----	-	-	1	164	165	165	4	169	-	-	50	4,432	4,482	50	27	
MULTIPLE INJURIES-----	-	-	1	4	5	5	-	5	-	-	3,000	106	3,106	3,000	26	
OTHER INJURY, NEC-----	-	-	-	10	10	10	-	10	-	-	-	352	352	352	-	
UNCLASSIFIED (NO DATA)----	-	-	-	16	16	16	2	18	-	-	-	1,236	1,236	1,236	-	
TOTAL OR AVERAGE-----	-	-	134	290	424	424	19	443	-	-	10,800	11,849	22,649	81	41	
SHOULDER(S):																
CONTUSION OR BRUISE-----	-	-	-	95	95	95	12	107	-	-	-	2,026	2,026	2,026	-	
CUT OR PUNCTURE-----	-	-	-	3	3	3	3	6	-	-	-	7	7	7	-	
DISLOCATION-----	-	-	-	29	29	29	3	32	-	-	-	1,227	1,227	1,227	-	
FRACTURE-----	-	-	-	29	29	29	1	30	-	-	-	1,675	1,675	1,675	-	
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	
SPRAIN/SPRAIN-----	-	-	1	216	217	217	26	243	-	-	1,125	8,632	9,757	1,125	40	
MULTIPLE INJURIES-----	-	-	-	17	17	17	3	20	-	-	-	894	894	-	53	
OTHER INJURY, NEC-----	-	-	-	2	2	2	-	2	-	-	-	224	224	-	112	
UNCLASSIFIED (NO DATA)----	-	-	-	21	21	21	4	25	-	-	-	1,374	1,374	-	65	
TOTAL OR AVERAGE-----	-	-	1	413	414	414	52	466	-	-	1,125	16,062	17,187	1,125	39	

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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL	PERMANENT						TEMPO- RARY
		TOTAL	PARTIAL							TOTAL	PARTIAL					
TRUNK, NEC:																
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	28	28	28	-	28	28
CONTUSION OR BRUISE-----	2	-	-	57	57	59	6	65	12,000	-	1,093	1,093	13,093	-	19	222
CUT OR PUNCTURE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
FRACTURE-----	-	-	-	6	6	6	1	7	-	-	755	755	755	-	126	126
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	12	12	12	-	12	12
STRAIN/SPRAIN-----	-	-	-	91	91	91	11	102	-	-	3,928	3,928	3,928	-	43	43
MULTIPLE INJURIES-----	1	-	-	29	29	30	1	31	6,000	-	1,194	1,194	7,194	-	41	240
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	6	6	6	-	6	6
UNCLASSIFIED (NO DATA)----	-	-	-	21	21	21	4	25	-	-	601	601	601	-	29	29
TOTAL OR AVERAGE-----	3	-	-	207	207	210	24	234	18,000	-	7,617	7,617	25,617	-	37	122
THIGH:																
BURN/SCALD (NOT CHEM.)----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	23	23	23	-	23	23
CONTUSION OR BRUISE-----	-	-	-	23	23	23	4	27	-	-	679	679	679	-	30	30
CUT OR PUNCTURE-----	-	-	-	20	20	20	36	56	-	-	331	331	331	-	17	17
FRACTURE-----	-	-	-	5	5	5	-	5	-	-	552	552	552	-	110	110
STRAIN/SPRAIN-----	-	-	-	11	11	11	-	11	-	-	219	219	219	-	20	20
MULTIPLE INJURIES-----	-	-	-	3	3	3	-	3	-	-	17	17	17	-	6	6
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	27	27	27	-	27	27
UNCLASSIFIED (NO DATA)----	-	-	-	2	2	2	-	2	-	-	63	63	63	-	32	32
TOTAL OR AVERAGE-----	-	-	-	66	66	66	42	108	-	-	1,911	1,911	1,911	-	29	29
KNEE:																
CONTUSION OR BRUISE-----	-	-	-	233	233	233	27	260	-	-	7,369	7,369	7,369	-	32	32
CUT OR PUNCTURE-----	-	-	-	18	18	18	22	40	-	-	309	309	309	-	17	17
DISLOCATION-----	-	-	-	15	15	15	1	16	-	-	1,076	1,076	1,076	-	72	72
FRACTURE-----	-	-	-	17	17	17	2	19	-	-	1,134	1,134	1,134	-	67	67
RADIATION/ULTRA VIOLET----	-	-	-	1	1	1	-	1	-	-	1	1	1	-	1	1
SCRATCH/ABRASION-----	-	-	-	3	3	3	3	6	-	-	25	25	25	-	8	8
STRAIN/SPRAIN-----	-	-	-	709	709	709	39	748	-	-	33,309	33,309	33,309	-	47	47
MULTIPLE INJURIES-----	-	-	1	40	41	41	2	43	-	50	1,616	1,666	1,666	50	40	41
OTHER INJURY, NEC-----	-	-	-	13	13	13	1	14	-	-	882	882	882	-	68	68
UNCLASSIFIED (NO DATA)----	-	-	-	46	46	46	4	50	-	-	2,763	2,763	2,763	-	60	60
TOTAL OR AVERAGE-----	-	-	1	1,095	1,096	1,096	101	1,197	-	-	50	48,484	48,534	48,534	50	44

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, 1990 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
LOWER LEG:	-	-	2	-	2	-	2	-	-	6,000	-	6,000	6,000	3,000	-	3,000	
AMPUTATION/ENUCLEATION-----	-	-	-	-	3	-	3	-	-	-	63	63	63	-	21	21	
BURN/SCALD (NOT CHEM.)-----	-	-	-	-	1	-	1	-	-	-	1	1	1	-	1	1	
CHEMICAL BURN-----	-	-	-	44	44	-	44	-	-	-	714	714	714	-	16	16	
CONTUSION OR BRUISE-----	-	-	-	20	20	-	20	-	-	-	266	266	266	-	13	13	
CUT OR PUNCTURE-----	-	-	-	33	33	-	33	-	-	3,540	3,540	3,540	-	107	107		
FRACTURE-----	-	-	-	3	3	-	3	-	-	-	22	22	22	-	7	7	
SCRATCH/ABRASION-----	-	-	-	16	16	-	16	-	-	-	654	654	654	-	41	41	
STRAIN/SPRAIN-----	-	-	-	17	17	-	17	-	-	-	532	532	532	-	31	31	
MULTIPLE INJURIES-----	-	-	-	1	1	-	1	-	-	-	12	12	12	-	12	12	
OTHER INJURY, NEC-----	-	-	-	4	4	-	4	-	-	-	27	27	27	-	7	7	
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	2	142	144	-	144	-	-	6,000	5,831	11,831	11,831	3,000	41	82	
ANKLE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONTUSION OR BRUISE-----	-	-	-	38	38	-	38	-	-	-	404	404	404	-	11	11	
CUT OR PUNCTURE-----	-	-	-	2	2	-	2	-	-	-	8	8	8	-	4	4	
DISLOCATION-----	-	-	-	1	1	-	1	-	-	-	55	55	55	-	55	55	
FRACTURE-----	-	-	-	84	84	-	84	-	-	5,624	5,624	5,624	-	67	67		
SCRATCH/ABRASION-----	-	-	-	1	1	-	1	-	-	-	3	3	3	-	3	3	
STRAIN/SPRAIN-----	-	-	-	333	333	-	333	-	-	5,613	5,613	5,613	-	17	17		
MULTIPLE INJURIES-----	-	-	-	21	21	-	21	-	-	-	345	345	345	-	16	16	
OTHER INJURY, NEC-----	-	-	-	3	3	-	3	-	-	-	67	67	67	-	22	22	
UNCLASSIFIED (NO DATA)-----	-	-	-	8	8	-	8	-	-	-	450	450	450	-	56	56	
TOTAL OR AVERAGE-----	-	-	-	491	491	-	491	-	-	-	12,569	12,569	12,569	-	26	26	
FOOT:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BURN/SCALD (NOT CHEM.)-----	-	-	-	8	8	-	8	-	-	-	136	136	136	-	17	17	
CHEMICAL BURN-----	-	-	-	1	1	-	1	-	-	-	7	7	7	-	7	7	
CONTUSION OR BRUISE-----	-	-	1	223	224	-	224	-	-	1,200	3,965	5,165	5,165	1,200	18	23	
CUT OR PUNCTURE-----	-	-	-	32	32	-	32	-	-	-	610	610	610	-	19	19	
FRACTURE-----	-	-	-	151	151	-	151	-	-	-	7,324	7,324	7,324	-	49	49	
SCRATCH/ABRASION-----	-	-	-	1	1	-	1	-	-	-	12	12	12	-	12	12	
STRAIN/SPRAIN-----	-	-	-	40	40	-	40	-	-	-	1,003	1,003	1,003	-	25	25	
MULTIPLE INJURIES-----	-	-	-	32	32	-	32	-	-	-	2,279	2,279	2,279	-	71	71	
OTHER INJURY, NEC-----	-	-	-	3	3	-	3	-	-	-	36	36	36	-	12	12	
UNCLASSIFIED (NO DATA)-----	-	-	-	22	22	-	22	-	-	-	534	534	534	-	24	24	
TOTAL OR AVERAGE-----	-	-	1	513	514	-	514	-	-	1,200	15,906	17,106	17,106	1,200	31	33	
TOE(S):	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMPUTATION/ENUCLEATION-----	-	-	3	-	3	-	3	-	-	675	-	675	675	225	-	225	
CONTUSION OR BRUISE-----	-	-	-	12	12	-	12	-	-	-	121	121	121	-	10	10	
CUT OR PUNCTURE-----	-	-	-	1	1	-	1	-	-	-	1	1	1	-	1	1	
DISLOCATION-----	-	-	-	1	1	-	1	-	-	-	1	1	1	-	1	1	
FRACTURE-----	-	-	-	48	48	-	48	-	-	2,139	2,139	2,139	2,139	-	45	45	
MULTIPLE INJURIES-----	-	-	-	8	8	-	8	-	-	-	122	122	122	-	15	15	
UNCLASSIFIED (NO DATA)-----	-	-	-	1	1	-	1	-	-	-	11	11	11	-	11	11	
TOTAL OR AVERAGE-----	-	-	3	71	74	-	74	-	-	675	2,395	3,070	3,070	225	34	41	

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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
LOWER EXTREMITIES, NEC: AMPUTATION/ENUCLEATION----- BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- RADIATION/ULTRA VIOLET----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- 																

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY
AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (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	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE:	-	-	70	-	70	70	-	70	-	-	28,835	-	28,835	28,835	412	-	412
AMPUTATION/ENUCLEATION----	4	-	-	8	8	12	1	13	24,000	-	-	125	125	24,125	-	16	2,010
ASPHYXIATION/DROWNING----	1	-	-	111	111	112	62	174	6,000	-	-	2,514	2,514	8,514	-	23	76
BURN/SCALD (NOT CHEM.)----	-	-	-	53	53	53	34	87	-	-	-	703	703	703	-	13	13
CHEMICAL BURN-----	-	-	-	14	14	14	4	18	-	-	-	387	387	387	-	28	28
CONCUSSION (CEREBRAL)----	22	-	5	1,777	1,782	1,804	291	2,095	132,000	-	9,720	42,073	51,793	183,793	1,944	24	102
CONTUSION OR BRUISE-----	-	-	-	917	917	917	1,536	2,453	-	-	-	15,007	15,007	15,007	-	16	16
CUT OR PUNCTURE-----	-	-	-	2	2	2	1	3	-	-	-	12	12	12	-	6	6
DERMATITIS-----	-	-	1	68	69	69	13	82	-	-	50	3,519	3,569	3,569	50	52	52
DISLOCATION-----	-	-	-	67	67	67	121	188	-	-	-	490	490	490	-	7	7
DUST IN EYE-----	7	-	-	21	21	28	4	32	42,000	-	-	419	419	42,419	-	20	1,515
ELECTRIC SHOCK-----	-	-	-	14	14	14	8	22	-	-	-	272	272	272	-	19	19
ELECT. BURN (CONTACT)----	6	-	7	1,129	1,136	1,142	382	1,524	36,000	-	12,000	59,661	71,661	107,661	1,714	53	94
FRACTURE-----	-	-	-	2	2	2	1	3	-	-	-	10	10	10	-	5	5
HEARING IMPAIRMENT-----	-	-	130	11	141	141	-	141	-	-	6,500	403	6,903	6,903	50	37	49
HERNIA (NOT DISC)-----	-	-	-	17	17	17	11	28	-	-	-	264	264	264	-	16	16
POISONING (SYSTEMIC)-----	-	-	-	124	124	124	23	147	-	-	-	1,811	1,811	1,811	-	15	15
RADIATION/ULTRA VIOLET----	-	-	-	90	90	90	52	142	-	-	-	1,022	1,022	1,022	-	11	11
SCRATCH/ABRASION-----	-	1	16	5,709	5,726	5,726	507	6,233	-	6,000	28,955	246,911	281,866	281,866	1,810	43	49
STRAIN/SPRAIN-----	16	2	9	862	873	889	205	1,094	96,000	12,000	24,950	36,424	73,374	169,374	2,772	42	191
MULTIPLE INJURIES-----	2	-	-	111	111	113	22	135	12,000	-	-	4,861	4,861	16,861	-	44	149
OTHER INJURY, NEC-----	1	-	3	488	491	492	97	589	6,000	-	9,000	26,345	35,345	41,345	3,000	54	84
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	1	2	-	-	-	39	39	39	-	39	39
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,899	3,376	15,275	354,000	18,000	120,010	443,272	581,282	935,282	498	38	79

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, 1990

PART OF BODY INJURED 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
EYE: BURN/SCALD (NOT CHEM.)----- CUT OR PUNCTURE----- DUST IN EYE----- RADIATION/ULTRA VIOLET----- SCRATCH/ABRASION----- TOTAL OR AVERAGE----- JAW: CUT OR PUNCTURE----- TOTAL OR AVERAGE----- MOUTH/TEETH/TONGUE: FRACTURE----- TOTAL OR AVERAGE----- NOSE: MULTIPLE INJURIES----- TOTAL OR AVERAGE----- SCALP: CUT OR PUNCTURE----- TOTAL OR AVERAGE----- HEAD, NEC: CONTUSION OR BRUISE----- TOTAL OR AVERAGE----- NECK: STRAIN/SPRAIN----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE----- ELBOW: CONTUSION OR BRUISE----- FRACTURE----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - 																

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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
FOREARM: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	1 2 3	1 2 3	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -		
WRIST: CONTUSION OR BRUISE----- STRAIN/SPRAIN----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	1 3 4	1 3 4	1 3 4	- - - -	1 3 4	- - - -	- - - -	5 279 284	5 279 284	5 279 284	- - - -	5 93 71	5 93 71	
HAND: BURN/SCALD (NOT CHEM.)---- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)---- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	- - - - - - - -	2 - - 1 1 - 1	2 - - 1 1 1 1	2 - - 1 1 1 1	- 1 1 - 1 1 -	2 1 1 1 2 1 1	- - - - - - -	- - - - - - -	8 - - 193 16 - 55	8 - - 193 16 - 55	8 - - 193 16 - 55	- - - - - - -	4 - - 193 16 - 55	4 - - 193 16 - 55	
FINGER(S): AMPUTATION/ENUCLEATION---- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)---- TOTAL OR AVERAGE-----	- - - - - - -	- - - - - - -	1 - - - - - -	- 1 7 5 2 -	1 1 7 5 2 -	1 1 7 5 2 -	- - 4 2 - 1	1 1 11 7 2 1	- - - - - -	- - - - - -	210 - 22 110 188 14 -	210 - 22 110 188 14 -	210 - 22 110 188 14 -	210 - 22 16 38 7 -	- 22 16 38 7 -	210 22 16 38 7 -	
UPPER EXTREMITIES, NEC: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)---- TOTAL OR AVERAGE-----	- - - - - -	- - - - - -	- - - - - -	- - 3 - 1	- - 3 - 1	- - 3 - 1	1 1 1 1 -	1 1 4 1 1	- - - - -	- - - - -	- - 78 - 55	- - 78 - 55	- - 78 - 55	- - - - -	- 26 - 55	- 26 - 55	
ABDOMEN: STRAIN/SPRAIN----- OTHER INJURY, NEC----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	1 1 2	1 1 2	1 1 2	- - -	1 1 2	- - -	- - -	6 44 50	6 44 50	6 44 50	- - -	6 44 25	6 44 25	

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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
BACK:																	
STRAIN/SPRAIN-----	-	-	-	40	40	40	5	45	-	-	-	2,304	2,304	2,304	-	58	58
MULTIPLE INJURIES-----	-	-	-	2	2	2	-	2	-	-	-	122	122	122	-	61	61
OTHER INJURY, NEC-----	-	-	-	3	3	3	-	3	-	-	-	352	352	352	-	117	117
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	-	-	72	72	72	-	72	72
TOTAL OR AVERAGE-----	-	-	-	46	46	46	5	51	-	-	-	2,850	2,850	2,850	-	62	62
CHEST:																	
FRACTURE-----	-	-	-	2	2	2	1	3	-	-	-	84	84	84	-	42	42
STRAIN/SPRAIN-----	-	-	-	2	2	2	-	2	-	-	-	59	59	59	-	30	30
UNCLASSIFIED (NO DATA)----	-	-	-	2	2	2	-	2	-	-	-	159	159	159	-	80	80
TOTAL OR AVERAGE-----	-	-	-	6	6	6	1	7	-	-	-	302	302	302	-	50	50
PELVIC REGION:																	
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
HERNIA (NOT DISC)-----	-	-	4	-	4	4	-	4	-	-	200	-	200	200	50	-	50
STRAIN/SPRAIN-----	-	-	-	4	4	4	-	4	-	-	-	98	98	98	-	24	24
TOTAL OR AVERAGE-----	-	-	4	7	11	11	-	11	-	-	200	121	321	321	50	17	29
SHOULDER(S):																	
CONTUSION OR BRUISE-----	-	-	-	2	2	2	-	2	-	-	-	2	2	2	-	1	1
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	71	71	71	-	71	71
STRAIN/SPRAIN-----	-	-	-	5	5	5	1	6	-	-	-	126	126	126	-	25	25
TOTAL OR AVERAGE-----	-	-	-	8	8	8	1	9	-	-	-	199	199	199	-	25	25
TRUNK, NEC:																	
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	48
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	48
THIGH:																	
CUT OR PUNCTURE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
KNEE:																	
CONTUSION OR BRUISE-----	-	-	-	6	6	6	-	6	-	-	-	175	175	175	-	29	29
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	240	240	240	-	240	240
STRAIN/SPRAIN-----	-	-	-	8	8	8	-	8	-	-	-	68	68	68	-	8	8
MULTIPLE INJURIES-----	-	-	-	1	1	1	1	2	-	-	-	108	108	108	-	108	108
UNCLASSIFIED (NO DATA)----	-	-	-	4	4	4	-	4	-	-	-	202	202	202	-	50	50
TOTAL OR AVERAGE-----	-	-	-	20	20	20	1	21	-	-	-	793	793	793	-	40	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, 1990 (CONTINUED)

PART OF BODY INJURED 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
LOWER LEG: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	1 1 2	1 1 2	1 1 2	- - -	1 1 2	- - -	- - -	- - -	3 2 5	3 2 5	3 2 5	- - -	3 2 2	3 2 2
ANKLE: FRACTURE----- STRAIN/SPRAIN----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	1 7 8	1 7 8	1 7 8	- - -	1 7 8	- - -	- - -	- - -	2 45 47	2 45 47	2 45 47	- - -	2 6 6	2 6 6
FOOT: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- FRACTURE----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	1 1 3 5	1 1 3 5	1 1 3 5	1 - - 1	2 1 3 6	- - - -	- - - -	- - - -	45 173 111 329	45 173 111 329	45 173 111 329	- - - -	45 173 37 66	45 173 37 66
TOE(S): FRACTURE----- TOTAL OR AVERAGE-----	- -	- -	- -	1 1	1 1	1 1	- -	1 1	- -	- -	- -	4 4	4 4	4 4	- -	4 4	4 4
LOWER EXTREMITIES, NEC: CONTUSION OR BRUISE----- FRACTURE----- STRAIN/SPRAIN----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	2 1 1 4	2 1 1 4	2 1 1 4	- - - -	2 1 1 4	- - - -	- - - -	- - - -	65 26 73 164	65 26 73 164	65 26 73 164	- - - -	32 26 73 41	32 26 73 41
BODY SYSTEMS: ASPHYXIATION/DROWNING----- ELECTRIC SHOCK----- POISONING (SYSTEMIC)----- TOTAL OR AVERAGE-----	2 - - 2	- - - -	- - - -	- 1 - 1	- 1 - 1	2 1 - 3	- - 1 1	2 1 1 4	12,000 - - 12,000	- - - -	- - - -	- 28 - 28	- 28 - 28	12,000 28 - 12,028	- - - -	- 28 - 28	6,000 28 - 4,009
MULTIPLE PARTS OF BODY: CONTUSION OR BRUISE----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - -	- - 1 - - 1	- - - 10 9 2	3 - - 11 9 2	3 - - 11 9 2	3 - - 11 9 2	- 1 2 - - -	3 1 13 9 2 28	- - 6,000 - - 6,000	- - - - - -	- - - 1,371 888 277	- - - 7,371 888 277	- - - 7,371 888 277	- - - 7,371 888 277	- - - 137 99 138	26 - - 670 99 138	26 - - 670 99 138

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, 1990 (CONTINUED)

PART OF BODY INJURED 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE:-----	-	-	1	-	1	1	-	1	-	-	210	-	210	210	210	-	210
AMPUTATION/ENUCLEATION-----	2	-	-	-	-	2	-	2	12,000	-	-	-	-	12,000	-	-	6,000
ASPHYXIATION/DROWNING-----	-	-	-	5	5	5	1	6	-	-	-	58	58	58	-	12	12
BURN/SCALD (NOT CHEM.)-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
CHEMICAL BURN-----	-	-	-	20	20	20	4	24	-	-	-	547	547	547	-	27	27
CONTUSION OR BRUISE-----	-	-	-	15	15	15	11	26	-	-	-	150	150	150	-	10	10
CUT OR PUNCTURE-----	-	-	-	2	2	2	-	2	-	-	-	311	311	311	-	156	156
DISLOCATION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
DUST IN EYE-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
ELECTRIC SHOCK-----	-	-	-	15	15	15	4	19	-	-	-	643	643	643	-	43	43
FRACTURE-----	-	-	4	-	4	4	-	4	-	-	200	-	200	200	50	-	50
HERNIA (NOT DISC)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
POISONING (SYSTEMIC)-----	-	-	-	4	4	4	-	4	-	-	-	8	8	8	-	2	2
RADIATION/ULTRA VIOLET-----	-	-	-	2	2	2	1	3	-	-	-	2	2	2	-	1	1
SCRATCH/ABRASION-----	-	1	-	87	88	88	10	98	6,000	-	-	4,572	10,572	10,572	-	53	120
STRAIN/SPRAIN-----	-	-	-	15	15	15	4	19	-	-	-	1,180	1,180	1,180	-	79	79
MULTIPLE INJURIES-----	-	-	-	5	5	5	-	5	-	-	-	402	402	402	-	80	80
OTHER INJURY, NEC-----	-	-	-	13	13	13	1	14	-	-	-	876	876	876	-	67	67
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141

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, 1990

PART OF BODY INJURED 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
EAR:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	4	4	4	6	10	-	-	-	60	60	60	-	15	15
CHEMICAL BURN-----	-	-	-	1	1	1	2	3	-	-	-	3	3	3	-	3	3
CONTUSION OR BRUISE-----	-	-	-	3	3	3	-	3	-	-	-	12	12	12	-	4	4
CUT OR PUNCTURE-----	-	-	-	22	22	22	33	55	-	-	-	363	363	363	-	16	16
HEARING IMPAIRMENT-----	-	-	-	2	2	2	1	3	-	-	-	10	10	10	-	5	5
OTHER INJURY, NEC-----	-	-	-	2	2	2	2	4	-	-	-	45	45	45	-	22	22
UNCLASSIFIED (NO DATA)----	-	-	-	2	2	2	2	4	-	-	-	12	12	12	-	6	6
TOTAL OR AVERAGE-----	-	-	-	36	36	36	46	82	-	-	-	505	505	505	-	14	14
EYE:																	
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	1,800	-	1,800	1,800	1,800	-	-	1,800
BURN/SCALD (NOT CHEM.)----	-	-	-	10	10	10	17	27	-	-	-	26	26	26	-	3	3
CHEMICAL BURN-----	-	-	-	30	30	30	26	56	-	-	-	335	335	335	-	11	11
CONTUSION OR BRUISE-----	-	-	-	9	9	9	1	10	-	-	-	80	80	80	-	9	9
CUT OR PUNCTURE-----	-	-	-	108	108	108	129	237	-	-	-	1,745	1,745	1,745	-	16	16
DUST IN EYE-----	-	-	-	67	67	67	120	187	-	-	-	490	490	490	-	7	7
RADIATION/ULTRA VIOLET-----	-	-	-	60	60	60	16	76	-	-	-	124	124	124	-	2	2
SCRATCH/ABRASION-----	-	-	-	53	53	53	33	86	-	-	-	450	450	450	-	8	8
MULTIPLE INJURIES-----	-	-	-	5	5	5	4	9	-	-	-	33	33	33	-	7	7
OTHER INJURY, NEC-----	-	-	-	13	13	13	12	25	-	-	-	96	96	96	-	7	7
UNCLASSIFIED (NO DATA)----	-	-	-	4	4	4	2	6	-	-	-	19	19	19	-	5	5
TOTAL OR AVERAGE-----	-	-	1	359	360	360	360	720	-	-	1,800	3,398	5,198	5,198	1,800	9	14
JAW:																	
CONTUSION OR BRUISE-----	-	-	-	3	3	3	1	4	-	-	-	10	10	10	-	3	3
CUT OR PUNCTURE-----	-	-	-	7	7	7	23	30	-	-	-	14	14	14	-	2	2
FRACTURE-----	-	-	-	10	10	10	-	10	-	-	-	434	434	434	-	43	43
MULTIPLE INJURIES-----	-	-	-	1	1	1	2	3	-	-	-	2	2	2	-	2	2
TOTAL OR AVERAGE-----	-	-	-	21	21	21	26	47	-	-	-	460	460	460	-	22	22
MOUTH/TEETH/TONGUE:																	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	3	4	-	-	-	5	5	5	-	5	5
CUT OR PUNCTURE-----	-	-	-	17	17	17	38	55	-	-	-	76	76	76	-	4	4
FRACTURE-----	-	-	-	10	10	10	50	60	-	-	-	32	32	32	-	3	3
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	12	12	12	-	12	12
MULTIPLE INJURIES-----	-	-	-	6	6	6	9	15	-	-	-	48	48	48	-	8	8
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
TOTAL OR AVERAGE-----	-	-	-	36	36	36	100	136	-	-	-	176	176	176	-	5	5

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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
NOSE:																	
CONTUSION OR BRUISE-----	-	-	-	3	3	3	2	5	-	-	-	25	25	25	-	8	8
CUT OR PUNCTURE-----	-	-	-	8	8	8	20	28	-	-	-	221	221	221	-	28	28
FRACTURE-----	-	-	-	12	12	12	9	21	-	-	-	398	398	398	-	33	33
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	24	24	24	-	24	24
MULTIPLE INJURIES-----	-	-	-	4	4	4	1	5	-	-	-	46	46	46	-	12	12
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
UNCLASSIFIED (NO DATA)----	-	-	-	2	2	2	1	3	-	-	-	14	14	14	-	7	7
TOTAL OR AVERAGE-----	-	-	-	31	31	31	33	64	-	-	-	730	730	730	-	24	24
SCALP:																	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
CUT OR PUNCTURE-----	-	-	-	5	5	5	7	12	-	-	-	6	6	6	-	1	1
OTHER INJURY, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	6	6	6	8	14	-	-	-	7	7	7	-	1	1
SKULL:																	
FRACTURE-----	2	-	-	2	2	4	-	4	12,000	-	-	168	168	12,168	-	84	3,042
TOTAL OR AVERAGE-----	2	-	-	2	2	4	-	4	12,000	-	-	168	168	12,168	-	84	3,042
FACE, NEC:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	5	5	5	3	8	-	-	-	33	33	33	-	7	7
CHEMICAL BURN-----	-	-	-	1	1	1	1	2	-	-	-	10	10	10	-	10	10
CONTUSION OR BRUISE-----	-	-	-	9	9	9	5	14	-	-	-	111	111	111	-	12	12
CUT OR PUNCTURE-----	-	-	-	27	27	27	50	77	-	-	-	635	635	635	-	24	24
FRACTURE-----	-	-	-	19	19	19	1	20	-	-	-	709	709	709	-	37	37
RADIATION/ULTRA VIOLET----	-	-	-	2	2	2	1	3	-	-	-	25	25	25	-	12	12
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
MULTIPLE INJURIES-----	-	-	-	13	13	13	9	22	-	-	-	160	160	160	-	12	12
UNCLASSIFIED (NO DATA)----	-	-	-	3	3	3	2	5	-	-	-	190	190	190	-	63	63
TOTAL OR AVERAGE-----	-	-	-	80	80	80	73	153	-	-	-	1,874	1,874	1,874	-	23	23
HEAD, NEC:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	2	2	2	-	2	-	-	-	30	30	30	-	15	15
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
CONCUSSION (CEREBRAL)-----	-	-	-	14	14	14	4	18	-	-	-	387	387	387	-	28	28
CONTUSION OR BRUISE-----	6	-	-	27	27	33	3	36	36,000	-	-	247	247	36,247	-	9	1,098
CUT OR PUNCTURE-----	-	-	-	70	70	70	174	244	-	-	-	779	779	779	-	11	11
FRACTURE-----	2	-	1	3	4	6	1	7	12,000	-	1,800	330	2,130	14,130	1,800	110	2,355
RADIATION/ULTRA VIOLET----	-	-	-	3	3	3	2	5	-	-	-	29	29	29	-	10	10
SCRATCH/ABRASION-----	-	-	-	5	5	5	1	6	-	-	-	179	179	179	-	36	36
MULTIPLE INJURIES-----	-	1	-	22	23	23	9	32	-	6,000	-	501	6,501	6,501	-	23	283
OTHER INJURY, NEC-----	-	-	-	4	4	4	-	4	-	-	-	118	118	118	-	30	30
UNCLASSIFIED (NO DATA)----	1	-	-	26	26	27	6	33	6,000	-	-	600	600	6,600	-	23	244
TOTAL OR AVERAGE-----	9	1	1	177	179	188	200	388	54,000	6,000	1,800	3,202	11,002	65,002	1,800	18	346

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, 1990 (CONTINUED)

PART OF BODY INJURED 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
NECK: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- RADIATION/ULTRA VIOLET----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - - -	- - - - - - - - - - -	- - - - - - - - - - -	1 18 7 8 2 328 11 10 18	1 18 7 8 2 328 11 10 18	1 18 7 8 2 328 11 10 18	- 2 8 - - 58 1 1 5	1 20 15 8 2 386 12 11 23	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	2 217 27 838 195 14,513 622 1,026 614	2 217 27 838 195 14,513 622 1,026 614	2 217 27 838 195 14,513 622 1,026 614	- - - - - - - - - -	2 12 4 105 98 44 57 103 34	2 12 4 105 98 44 57 103 34
UPPER ARM: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- ELECT. BURN (CONTACT)----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - - - - -	- - - - - - -	- - - - - - -	6 4 1 1 8 2	6 4 1 1 8 2	6 4 1 1 8 2	- 7 - - - -	6 11 1 1 8 2	- - - - - -	- - - - - -	- - - - - -	134 40 14 39 366 30	134 40 14 39 366 30	134 40 14 39 366 30	- - - - - -	22 10 14 39 46 15	22 10 14 39 46 15
ELBOW: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	1 73 2 2 13 43 5 5 10	1 73 2 2 13 43 5 5 10	1 73 2 2 13 43 5 5 10	- 13 1 5 7 7 3 1 2	1 86 15 3 18 50 8 6 12	- - - - - - - - -	- - - - - - - - -	- - - - - - - - -	2 1,816 41 55 618 1,079 71 240 427	2 1,816 41 55 618 1,079 71 240 427	2 1,816 41 55 618 1,079 71 240 427	- - - - - - - - -	2 25 20 28 48 25 14 48 43	2 25 20 28 48 25 14 48 43
FOREARM: AMPUTATION/ENUCLEATION----- BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- RADIATION/ULTRA VIOLET----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - - - -	- - - - - - - - - - - -	1 1 1 24 25 14 4 1 5 5 2	1 1 1 24 25 14 4 1 5 5 2	1 1 1 24 25 14 4 1 5 5 2	1 1 1 24 25 14 4 1 5 5 2	- 5 - 8 66 2 - 2 1 1 - -	1 6 1 32 91 16 4 3 6 7 2	- - - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	3,600 2 4 753 316 821 120 4 220 63 4	3,600 2 4 753 316 821 120 4 220 63 4	3,600 2 4 753 316 821 120 4 220 63 4	3,600 - - - - - - - - - -	- 2 4 31 13 59 30 4 44 13 2	3,600 2 4 31 13 59 30 4 44 13 2

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, 1990 (CONTINUED)

PART OF BODY INJURED 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
WRIST:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	3	4	-	-	-	4	4	4	-	4	4
CHEMICAL BURN-----	-	-	-	3	3	3	2	5	-	-	-	44	44	44	-	15	15
CONTUSION OR BRUISE-----	-	-	-	16	16	16	3	19	-	-	-	99	99	99	-	6	6
CUT OR PUNCTURE-----	-	-	-	13	13	13	29	42	-	-	-	433	433	433	-	33	33
ELECT. BURN (CONTACT)-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15
FRACTURE-----	-	-	-	49	49	49	7	56	-	-	-	2,976	2,976	2,976	-	61	61
RADIATION/ULTRA VIOLET-----	-	-	-	3	3	3	-	3	-	-	-	22	22	22	-	7	7
STRAIN/SPRAIN-----	-	-	-	86	86	86	13	99	-	-	-	2,399	2,399	2,399	-	28	28
MULTIPLE INJURIES-----	-	-	-	7	7	7	1	8	-	-	-	491	491	491	-	70	70
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	33	33	33	-	33	33
UNCLASSIFIED (NO DATA)-----	-	-	-	7	7	7	1	8	-	-	-	359	359	359	-	51	51
TOTAL OR AVERAGE-----	-	-	-	187	187	187	59	246	-	-	-	6,875	6,875	6,875	-	37	37
HAND:																	
AMPUTATION/ENUCLEATION-----	-	-	2	-	2	2	-	2	-	-	3,100	-	3,100	3,100	1,550	-	1,550
BURN/SCALD (NOT CHEM.)-----	-	-	-	15	15	15	9	24	-	-	-	301	301	301	-	20	20
CHEMICAL BURN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE-----	-	-	-	105	105	105	19	124	-	-	-	2,479	2,479	2,479	-	24	24
CUT OR PUNCTURE-----	-	-	-	100	100	100	187	287	-	-	-	1,959	1,959	1,959	-	20	20
DERMATITIS-----	-	-	-	2	2	2	-	2	-	-	-	12	12	12	-	6	6
ELECT. BURN (CONTACT)-----	-	-	-	7	7	7	2	9	-	-	-	136	136	136	-	19	19
FRACTURE-----	-	-	-	60	60	60	24	84	-	-	-	2,393	2,393	2,393	-	40	40
RADIATION/ULTRA VIOLET-----	-	-	-	16	16	16	2	18	-	-	-	216	216	216	-	14	14
SCRATCH/ABRASION-----	-	-	-	2	2	2	3	5	-	-	-	49	49	49	-	24	24
STRAIN/SPRAIN-----	-	-	-	22	22	22	2	24	-	-	-	344	344	344	-	16	16
MULTIPLE INJURIES-----	-	-	-	42	42	42	14	56	-	-	-	1,027	1,027	1,027	-	24	24
OTHER INJURY, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)-----	-	-	-	8	8	8	2	10	-	-	-	229	229	229	-	29	29
TOTAL OR AVERAGE-----	-	-	2	379	381	381	266	647	-	-	3,100	9,145	12,245	12,245	1,550	24	32
FINGER(S):																	
AMPUTATION/ENUCLEATION-----	-	-	59	-	59	59	-	59	-	-	10,450	-	10,450	10,450	177	-	177
BURN/SCALD (NOT CHEM.)-----	-	-	-	5	5	5	2	7	-	-	-	45	45	45	-	9	9
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	31	31	31	-	31	31
CONTUSION OR BRUISE-----	-	-	-	185	185	185	81	266	-	-	-	3,285	3,285	3,285	-	18	18
CUT OR PUNCTURE-----	-	-	-	307	307	307	524	831	-	-	-	5,402	5,402	5,402	-	18	18
DISLOCATION-----	-	-	-	8	8	8	6	14	-	-	-	118	118	118	-	15	15
ELECT. BURN (CONTACT)-----	-	-	-	-	-	-	6	6	-	-	-	-	-	-	-	-	-
FRACTURE-----	-	-	-	291	291	291	217	508	-	-	-	8,592	8,592	8,592	-	30	30
RADIATION/ULTRA VIOLET-----	-	-	-	2	2	2	-	2	-	-	-	3	3	3	-	2	2
SCRATCH/ABRASION-----	-	-	-	2	2	2	2	4	-	-	-	13	13	13	-	6	6
STRAIN/SPRAIN-----	-	-	-	26	26	26	12	38	-	-	-	445	445	445	-	17	17
MULTIPLE INJURIES-----	-	-	-	177	177	177	80	257	-	-	-	5,581	5,581	5,581	-	32	32
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
UNCLASSIFIED (NO DATA)-----	-	-	-	13	13	13	7	20	-	-	-	91	91	91	-	7	7
TOTAL OR AVERAGE-----	-	-	59	1,018	1,077	1,077	937	2,014	-	-	10,450	23,609	34,059	34,059	177	23	32

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, 1990 (CONTINUED)

PART OF BODY INJURED 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
UPPER EXTREMITIES, NEC: BURN/SCALD (NOT CHEM.)-----	-	-	-	8	8	8	1	9	-	-	-	112	112	112	-	14	14
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
CONTUSION OR BRUISE-----	-	-	-	44	44	44	6	50	-	-	-	465	465	465	-	11	11
CUT OR PUNCTURE-----	-	-	-	23	23	23	50	73	-	-	-	75	75	75	-	3	3
ELECT. BURN (CONTACT)-----	-	-	-	2	2	2	-	2	-	-	-	20	20	20	-	10	10
FRACTURE-----	-	-	-	31	31	31	4	35	-	-	-	1,980	1,980	1,980	-	64	64
RADIATION/ULTRA VIOLET-----	-	-	-	6	6	6	-	6	-	-	-	164	164	164	-	27	27
SCRATCH/ABRASION-----	-	-	-	2	2	2	-	2	-	-	-	30	30	30	-	15	15
STRAIN/SPRAIN-----	-	-	-	53	53	53	10	63	-	-	-	2,315	2,315	2,315	-	44	44
MULTIPLE INJURIES-----	-	-	-	26	26	26	9	35	-	-	-	795	795	795	-	31	31
OTHER INJURY, NEC-----	-	-	-	1	1	1	1	2	-	-	-	16	16	16	-	16	16
UNCLASSIFIED (NO DATA)-----	-	-	-	12	12	12	5	17	-	-	-	467	467	467	-	39	39
TOTAL OR AVERAGE-----	-	-	-	209	209	209	86	295	-	-	-	6,446	6,446	6,446	-	31	31
ABDOMEN:																	
CONTUSION OR BRUISE-----	-	-	-	8	8	8	-	8	-	-	-	138	138	138	-	17	17
CUT OR PUNCTURE-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN-----	-	-	-	45	45	45	4	49	-	-	-	1,031	1,031	1,031	-	23	23
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
UNCLASSIFIED (NO DATA)-----	-	-	-	4	4	4	-	4	-	-	-	79	79	79	-	20	20
TOTAL OR AVERAGE-----	-	-	-	58	58	58	6	64	-	-	-	1,268	1,268	1,268	-	22	22
BACK:																	
CONTUSION OR BRUISE-----	-	-	-	152	152	152	14	166	-	-	-	5,772	5,772	5,772	-	38	38
CUT OR PUNCTURE-----	-	-	-	5	5	5	9	14	-	-	-	121	121	121	-	24	24
DISLOCATION-----	-	-	-	2	2	2	1	3	-	-	-	34	34	34	-	17	17
FRACTURE-----	1	-	1	38	39	40	2	42	6,000	-	3,600	2,777	6,377	12,377	3,600	73	309
RADIATION/ULTRA VIOLET-----	-	-	-	1	1	1	-	1	-	-	-	105	105	105	-	105	105
SCRATCH/ABRASION-----	-	-	-	2	2	2	1	3	-	-	-	86	86	86	-	43	43
STRAIN/SPRAIN-----	-	-	12	3,104	3,116	3,116	253	3,369	-	-	24,180	144,424	168,604	168,604	2,015	47	54
MULTIPLE INJURIES-----	-	-	-	32	32	32	3	35	-	-	-	1,233	1,233	1,233	-	39	39
OTHER INJURY, NEC-----	-	-	-	21	21	21	-	21	-	-	-	600	600	600	-	29	29
UNCLASSIFIED (NO DATA)-----	-	-	-	111	111	111	18	129	-	-	-	8,546	8,546	8,546	-	77	77
OCCUPATIONAL DISEASES-----	-	-	-	1	1	1	-	1	-	-	-	39	39	39	-	39	39
TOTAL OR AVERAGE-----	1	-	13	3,469	3,482	3,483	301	3,784	6,000	-	27,780	163,737	191,517	197,517	2,137	47	57

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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
CHEST:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	10	10	10	-	10	10
CONTUSION OR BRUISE-----	3	-	-	70	70	73	14	87	18,000	-	-	899	899	18,899	-	13	259
CUT OR PUNCTURE-----	-	-	-	2	2	2	6	8	-	-	-	8	8	8	-	4	4
DISLOCATION-----	-	-	-	3	3	3	1	4	-	-	-	31	31	31	-	10	10
FRACTURE-----	1	-	-	76	76	77	17	94	6,000	-	-	2,061	2,061	8,061	-	27	105
SCRATCH/ABRASION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN-----	-	-	-	52	52	52	4	56	-	-	-	1,194	1,194	1,194	-	23	23
MULTIPLE INJURIES-----	2	-	-	21	21	23	3	26	12,000	-	-	415	415	12,415	-	20	540
OTHER INJURY, NEC-----	-	-	-	3	3	3	-	3	-	-	-	7	7	7	-	2	2
UNCLASSIFIED (NO DATA)----	-	-	-	12	12	12	4	16	-	-	-	128	128	128	-	11	11
TOTAL OR AVERAGE-----	6	-	-	240	240	246	51	297	36,000	-	-	4,753	4,753	40,753	-	20	166
PELVIC REGION:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	2	2	2	1	3	-	-	-	22	22	22	-	11	11
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
CONTUSION OR BRUISE-----	-	-	-	44	44	44	8	52	-	-	-	1,570	1,570	1,570	-	36	36
CUT OR PUNCTURE-----	-	-	-	1	1	1	4	5	-	-	-	23	23	23	-	23	23
DISLOCATION-----	-	-	1	6	7	7	-	7	-	-	50	920	970	970	50	153	139
FRACTURE-----	-	-	1	28	29	29	-	29	-	-	1,200	2,755	3,955	3,955	1,200	98	136
HERNIA (NOT DISC)-----	-	-	126	11	137	137	-	137	-	-	6,300	403	6,703	6,703	50	37	49
STRAIN/SPRAIN-----	-	-	1	160	161	161	4	165	-	-	50	4,334	4,384	4,384	50	27	27
MULTIPLE INJURIES-----	-	-	1	4	5	5	-	5	-	-	3,000	106	3,106	3,106	3,000	26	621
OTHER INJURY, NEC-----	-	-	-	10	10	10	-	10	-	-	-	352	352	352	-	35	35
UNCLASSIFIED (NO DATA)----	-	-	-	16	16	16	2	18	-	-	-	1,236	1,236	1,236	-	77	77
TOTAL OR AVERAGE-----	-	-	130	283	413	413	19	432	-	-	10,600	11,728	22,328	22,328	82	41	54
SHOULDER(S):																	
CONTUSION OR BRUISE-----	-	-	-	93	93	93	12	105	-	-	-	2,024	2,024	2,024	-	22	22
CUT OR PUNCTURE-----	-	-	-	3	3	3	3	6	-	-	-	7	7	7	-	2	2
DISLOCATION-----	-	-	-	28	28	28	3	31	-	-	-	1,156	1,156	1,156	-	41	41
FRACTURE-----	-	-	-	29	29	29	1	30	-	-	-	1,675	1,675	1,675	-	58	58
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
STRAIN/SPRAIN-----	-	-	1	211	212	212	25	237	-	-	1,125	8,506	9,631	9,631	1,125	40	45
MULTIPLE INJURIES-----	-	-	-	17	17	17	3	20	-	-	-	894	894	894	-	53	53
OTHER INJURY, NEC-----	-	-	-	2	2	2	-	2	-	-	-	224	224	224	-	112	112
UNCLASSIFIED (NO DATA)----	-	-	-	21	21	21	4	25	-	-	-	1,374	1,374	1,374	-	65	65
TOTAL OR AVERAGE-----	-	-	1	405	406	406	51	457	-	-	1,125	15,863	16,988	16,988	1,125	39	42

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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TRUNK, NEC:																	
BURN/SCALD (NOT CHEM.)-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
CONTUSION OR BRUISE-----	2	-	-	57	57	59	6	65	12,000	-	-	1,093	1,093	13,093	-	19	222
CUT OR PUNCTURE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FRACTURE-----	-	-	-	6	6	6	1	7	-	-	-	755	755	755	-	126	126
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	12	12	12	-	12	12
STRAIN/SPRAIN-----	-	-	-	91	91	91	11	102	-	-	-	3,928	3,928	3,928	-	43	43
MULTIPLE INJURIES-----	1	-	-	28	28	29	1	30	6,000	-	-	1,146	1,146	7,146	-	41	246
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	6	6	6	-	6	6
UNCLASSIFIED (NO DATA)----	-	-	-	21	21	21	4	25	-	-	-	601	601	601	-	29	29
TOTAL OR AVERAGE-----	3	-	-	206	206	209	24	233	18,000	-	-	7,569	7,569	25,569	-	37	122
THIGH:																	
BURN/SCALD (NOT CHEM.)-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	23	23	23	-	23	23
CONTUSION OR BRUISE-----	-	-	-	23	23	23	4	27	-	-	-	679	679	679	-	30	30
CUT OR PUNCTURE-----	-	-	-	20	20	20	35	55	-	-	-	331	331	331	-	17	17
FRACTURE-----	-	-	-	5	5	5	-	5	-	-	-	552	552	552	-	110	110
STRAIN/SPRAIN-----	-	-	-	11	11	11	-	11	-	-	-	219	219	219	-	20	20
MULTIPLE INJURIES-----	-	-	-	3	3	3	-	3	-	-	-	17	17	17	-	6	6
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	27	27	27	-	27	27
UNCLASSIFIED (NO DATA)----	-	-	-	2	2	2	-	2	-	-	-	63	63	63	-	32	32
TOTAL OR AVERAGE-----	-	-	-	66	66	66	41	107	-	-	-	1,911	1,911	1,911	-	29	29
KNEE:																	
CONTUSION OR BRUISE-----	-	-	-	227	227	227	27	254	-	-	-	7,194	7,194	7,194	-	32	32
CUT OR PUNCTURE-----	-	-	-	18	18	18	22	40	-	-	-	309	309	309	-	17	17
DISLOCATION-----	-	-	-	14	14	14	1	15	-	-	-	836	836	836	-	60	60
FRACTURE-----	-	-	-	17	17	17	2	19	-	-	-	1,134	1,134	1,134	-	67	67
RADIATION/ULTRA VIOLET-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
SCRATCH/ABRASION-----	-	-	-	3	3	3	3	6	-	-	-	25	25	25	-	8	8
STRAIN/SPRAIN-----	-	-	-	701	701	701	39	740	-	-	-	33,241	33,241	33,241	-	47	47
MULTIPLE INJURIES-----	-	-	1	39	40	40	1	41	-	-	50	1,508	1,558	1,558	50	39	39
OTHER INJURY, NEC-----	-	-	-	13	13	13	1	14	-	-	-	882	882	882	-	68	68
UNCLASSIFIED (NO DATA)----	-	-	-	42	42	42	4	46	-	-	-	2,561	2,561	2,561	-	61	61
TOTAL OR AVERAGE-----	-	-	1	1,075	1,076	1,076	100	1,176	-	-	50	47,691	47,741	47,741	50	44	44

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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL								
		TOTAL	PARTIAL						TOTAL	PARTIAL							
LOWER LEG:																	
AMPUTATION/ENUCLEATION-----	-	-	2	-	2	2	-	2	-	-	6,000	-	6,000	6,000	3,000	-	3,000
BURN/SCALD (NOT CHEM.)-----	-	-	-	2	2	2	1	3	-	-	-	60	60	60	-	30	30
CHEMICAL BURN-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
CONTUSION OR BRUISE-----	-	-	-	43	43	43	7	50	-	-	-	712	712	712	-	17	17
CUT OR PUNCTURE-----	-	-	-	20	20	20	17	37	-	-	-	266	266	266	-	13	13
FRACTURE-----	-	-	-	33	33	33	2	35	-	-	-	3,540	3,540	3,540	-	107	107
SCRATCH/ABRASION-----	-	-	-	3	3	3	1	4	-	-	-	22	22	22	-	7	7
STRAIN/SPRAIN-----	-	-	-	16	16	16	-	16	-	-	-	654	654	654	-	41	41
MULTIPLE INJURIES-----	-	-	-	17	17	17	2	19	-	-	-	532	532	532	-	31	31
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	12	12	12	-	12	12
UNCLASSIFIED (NO DATA)-----	-	-	-	4	4	4	1	5	-	-	-	27	27	27	-	7	7
TOTAL OR AVERAGE-----	-	-	2	140	142	142	32	174	-	-	6,000	5,826	11,826	11,826	3,000	42	83
ANKLE:																	
CONTUSION OR BRUISE-----	-	-	-	38	38	38	2	40	-	-	-	404	404	404	-	11	11
CUT OR PUNCTURE-----	-	-	-	2	2	2	2	4	-	-	-	8	8	8	-	4	4
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55
FRACTURE-----	-	-	-	83	83	83	1	84	-	-	-	5,622	5,622	5,622	-	68	68
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
STRAIN/SPRAIN-----	-	-	-	326	326	326	17	343	-	-	-	5,568	5,568	5,568	-	17	17
MULTIPLE INJURIES-----	-	-	-	21	21	21	-	21	-	-	-	345	345	345	-	16	16
OTHER INJURY, NEC-----	-	-	-	3	3	3	1	4	-	-	-	67	67	67	-	22	22
UNCLASSIFIED (NO DATA)-----	-	-	-	8	8	8	2	10	-	-	-	450	450	450	-	56	56
TOTAL OR AVERAGE-----	-	-	-	483	483	483	25	508	-	-	-	12,522	12,522	12,522	-	26	26
FOOT:																	
BURN/SCALD (NOT CHEM.)-----	-	-	-	7	7	7	2	9	-	-	-	91	91	91	-	13	13
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
CONTUSION OR BRUISE-----	-	-	1	222	223	223	15	238	-	-	1,200	3,792	4,992	4,992	1,200	17	22
CUT OR PUNCTURE-----	-	-	-	32	32	32	20	52	-	-	-	610	610	610	-	19	19
FRACTURE-----	-	-	-	148	148	148	11	159	-	-	-	7,213	7,213	7,213	-	49	49
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	12	12	12	-	12	12
STRAIN/SPRAIN-----	-	-	-	40	40	40	1	41	-	-	-	1,003	1,003	1,003	-	25	25
MULTIPLE INJURIES-----	-	-	-	32	32	32	4	36	-	-	-	2,279	2,279	2,279	-	71	71
OTHER INJURY, NEC-----	-	-	-	3	3	3	-	3	-	-	-	36	36	36	-	12	12
UNCLASSIFIED (NO DATA)-----	-	-	-	22	22	22	5	27	-	-	-	534	534	534	-	24	24
TOTAL OR AVERAGE-----	-	-	1	508	509	509	58	567	-	-	1,200	15,577	16,777	16,777	1,200	31	33
TOE(S):																	
AMPUTATION/ENUCLEATION-----	-	-	3	-	3	3	-	3	-	-	675	-	675	675	225	-	225
CONTUSION OR BRUISE-----	-	-	-	12	12	12	1	13	-	-	-	121	121	121	-	10	10
CUT OR PUNCTURE-----	-	-	-	1	1	1	3	4	-	-	-	1	1	1	-	1	1
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
FRACTURE-----	-	-	-	47	47	47	19	66	-	-	-	2,135	2,135	2,135	-	45	45
MULTIPLE INJURIES-----	-	-	-	8	8	8	1	9	-	-	-	122	122	122	-	15	15
UNCLASSIFIED (NO DATA)-----	-	-	-	1	1	1	-	1	-	-	-	11	11	11	-	11	11
TOTAL OR AVERAGE-----	-	-	3	70	73	73	24	97	-	-	675	2,391	3,066	3,066	225	34	42

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, 1990 (CONTINUED)

PART OF BODY INJURED 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					PERMANENT		TEMPO- RARY					TOTAL NFDL		
		TOTAL	PARTIAL						TOTAL	PARTIAL								
LOWER EXTREMITIES, NEC: AMPUTATION/ENUCLEATION-----	-	-	1	-	1	1	-	1	-	-	3,000	-	3,000	3,000	3,000	-	48	48
BURN/SCALD (NOT CHEM.)-----	-	-	-	2	2	2	-	2	-	-	-	95	95	95	-	16	16	
CHEMICAL BURN-----	-	-	-	2	2	2	-	2	-	-	-	32	32	32	-	19	52	
CONTUSION OR BRUISE-----	-	-	1	90	91	91	13	104	-	-	3,000	1,731	4,731	4,731	3,000	17	17	
CUT OR PUNCTURE-----	-	-	-	36	36	36	36	72	-	-	-	597	597	597	-	100	118	
FRACTURE-----	-	-	1	59	60	60	2	62	-	-	1,200	5,906	7,106	7,106	1,200	58	58	
RADIATION/ULTRA VIOLET-----	-	-	-	1	1	1	-	1	-	-	-	58	58	58	-	6	6	
SCRATCH/ABRASION-----	-	-	-	4	4	4	-	4	-	-	-	24	24	24	-	30	30	
STRAIN/SPRAIN-----	-	-	-	63	63	63	5	68	-	-	-	1,890	1,890	1,890	-	47	47	
MULTIPLE INJURIES-----	-	-	-	41	41	41	6	47	-	-	-	1,922	1,922	1,922	-	30	30	
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	30	30	30	-	37	37	
UNCLASSIFIED (NO DATA)-----	-	-	-	20	20	20	3	23	-	-	-	748	748	748	-	63	63	
TOTAL OR AVERAGE-----	-	-	3	319	322	322	65	387	-	-	7,200	13,033	20,233	20,233	2,400	41	63	
BODY SYSTEMS:																		
ASPHYXIATION/DROWNING-----	2	-	-	8	8	10	1	11	12,000	-	-	125	125	12,125	-	16	1,212	
ELECTRIC SHOCK-----	7	-	-	20	20	27	4	31	42,000	-	-	391	391	42,391	-	20	1,570	
POISONING (SYSTEMIC)-----	-	-	-	17	17	17	10	27	-	-	-	264	264	264	-	16	16	
OTHER INJURY, NEC-----	1	-	-	2	2	3	-	3	6,000	-	-	84	84	6,084	-	42	2,028	
TOTAL OR AVERAGE-----	10	-	-	47	47	57	15	72	60,000	-	-	864	864	60,864	-	18	1,068	
MULTIPLE PARTS OF BODY:																		
BURN/SCALD (NOT CHEM.)-----	1	-	-	39	39	40	8	48	6,000	-	-	1,543	1,543	7,543	-	40	189	
CHEMICAL BURN-----	-	-	-	6	6	6	1	7	-	-	-	186	186	186	-	31	31	
CONTUSION OR BRUISE-----	11	-	3	151	154	165	17	182	66,000	-	5,520	5,658	11,178	77,178	1,840	37	468	
CUT OR PUNCTURE-----	-	-	-	17	17	17	7	24	-	-	-	444	444	444	-	26	26	
DERMATITIS-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2	
ELECT. BURN (CONTACT)-----	-	-	-	3	3	3	-	3	-	-	-	87	87	87	-	29	29	
FRACTURE-----	-	-	3	22	25	25	-	25	-	-	4,200	2,565	6,765	6,765	1,400	117	271	
RADIATION/ULTRA VIOLET-----	-	-	-	19	19	19	2	21	-	-	-	741	741	741	-	39	39	
SCRATCH/ABRASION-----	-	-	-	4	4	4	3	7	-	-	-	71	71	71	-	18	18	
STRAIN/SPRAIN-----	-	-	2	231	233	233	31	264	-	-	3,600	14,666	18,266	18,266	1,800	63	78	
MULTIPLE INJURIES-----	13	1	7	258	266	279	33	312	78,000	6,000	21,900	15,255	43,155	121,155	3,129	59	434	
OTHER INJURY, NEC-----	1	-	-	6	6	7	1	8	6,000	-	-	533	533	6,533	-	89	933	
UNCLASSIFIED (NO DATA)-----	-	-	3	80	83	83	13	96	-	-	9,000	6,052	15,052	15,052	3,000	76	181	
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	26	1	18	837	856	882	118	1,000	156,000	6,000	44,220	47,803	98,023	254,023	2,457	57	288	
UNCLASSIFIED:																		
UNCLASSIFIED (NO DATA)-----	-	-	-	3	3	3	1	4	-	-	-	30	30	30	-	10	10	
TOTAL OR AVERAGE-----	-	-	-	3	3	3	1	4	-	-	-	30	30	30	-	10	10	

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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE:-----	-	-	69	-	69	69	-	69	-	-	28,625	-	28,625	28,625	415	-	415
AMPUTATION/ENUCLEATION-----	2	-	-	8	8	10	1	11	12,000	-	-	125	125	12,125	-	16	1,212
ASPHYXIATION/DROWNING-----	1	-	-	106	106	107	61	168	6,000	-	-	2,456	2,456	8,456	-	23	79
BURN/SCALD (NOT CHEM.)-----	-	-	-	52	52	52	34	86	-	-	-	702	702	702	-	14	14
CHEMICAL BURN-----	-	-	-	14	14	14	4	18	-	-	-	387	387	387	-	28	28
CONCUSSION (CEREBRAL)-----	22	-	5	1,757	1,762	1,784	287	2,071	132,000	-	9,720	41,526	51,246	183,246	1,944	24	103
CONTUSION OR BRUISE-----	-	-	-	902	902	902	1,525	2,427	-	-	-	14,857	14,857	14,857	-	16	16
CUT OR PUNCTURE-----	-	-	-	2	2	2	1	3	-	-	-	12	12	12	-	6	6
DERMATITIS-----	-	-	-	66	67	67	13	80	-	-	50	3,208	3,258	3,258	50	49	49
DISLOCATION-----	-	-	1	67	67	67	120	187	-	-	-	490	490	490	-	7	7
DUST IN EYE-----	7	-	-	20	20	27	4	31	42,000	-	-	391	391	42,391	-	20	1,570
ELECTRIC SHOCK-----	-	-	-	14	14	14	8	22	-	-	-	272	272	272	-	19	19
ELECT. BURN (CONTACT)-----	6	-	7	1,114	1,121	1,127	378	1,505	36,000	-	12,000	59,018	71,018	107,018	1,714	53	95
FRACTURE-----	-	-	-	2	2	2	1	3	-	-	-	10	10	10	-	5	5
HEARING IMPAIRMENT-----	-	-	126	11	137	137	-	137	-	-	6,300	403	6,703	6,703	50	37	49
HERNIA (NOT DISC)-----	-	-	-	17	17	17	10	27	-	-	-	264	264	264	-	16	16
POISONING (SYSTEMIC)-----	-	-	-	120	120	120	23	143	-	-	-	1,803	1,803	1,803	-	15	15
RADIATION/ULTRA VIOLET-----	-	-	-	88	88	88	51	139	-	-	-	1,020	1,020	1,020	-	12	12
SCRATCH/ABRASION-----	-	-	16	5,622	5,638	5,638	497	6,135	-	-	28,955	242,339	271,294	271,294	1,810	43	48
STRAIN/SPRAIN-----	16	2	9	847	858	874	201	1,075	96,000	12,000	24,950	35,244	72,194	168,194	2,772	42	192
MULTIPLE INJURIES-----	2	-	-	106	106	108	22	130	12,000	-	-	4,459	4,459	16,459	-	42	152
OTHER INJURY, NEC-----	1	-	3	475	478	479	96	575	6,000	-	9,000	25,469	34,469	40,469	3,000	54	84
UNCLASSIFIED (NO DATA)-----	-	-	-	1	1	1	1	2	-	-	-	39	39	39	-	39	39
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	57	2	236	11,411	11,649	11,706	3,338	15,044	342,000	12,000	119,600	434,494	566,094	908,094	507	38	78

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HANDTOOL			NONPOWERED HAULAGE			
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	
UNDERGROUND MINES:																																		
UNDERGROUND:																																		
ALABAMA-----	-	2	2	-	-	-	-	-	-	-	-	-	-	-	4	-	-	13	11	-	-	1	-	-	149	45	-	29	34	-	1	-	-	
COLORADO-----	1	1	-	-	-	-	-	-	-	-	-	-	-	11	6	-	4	1	-	-	-	-	-	60	19	-	11	14	-	-	-	-		
ILLINOIS-----	-	10	1	-	-	-	2	-	-	1	-	-	1	14	2	1	103	28	-	-	-	-	-	432	40	-	86	32	-	9	-	-		
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	6	2	-	1	2	-	-	-	-		
KENTUCKY-----	1	23	2	-	-	-	4	3	3	7	3	-	3	23	2	9	154	47	-	-	1	-	687	127	-	140	90	-	11	-	-	-		
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	27	2	-	8	1	-	-	-	-	-		
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
OHIO-----	1	5	-	-	-	-	-	-	-	-	-	3	-	-	-	1	2	3	-	-	-	-	71	34	-	16	11	-	-	-	-	-		
OKLAHOMA-----	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-		
PENNSYLVANIA:																																		
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
BITUMINOUS-----	-	7	-	-	-	-	3	-	-	-	-	4	-	23	10	1	34	10	-	4	3	-	447	131	-	94	45	-	-	-	-	-		
ALL COAL-----	-	7	-	-	-	-	3	-	-	-	1	4	-	23	10	1	35	10	-	4	3	-	448	132	-	94	45	-	-	-	-	-		
TENNESSEE-----	-	2	1	-	-	-	-	-	-	-	-	-	-	2	-	1	14	-	-	-	-	-	41	5	-	5	3	-	-	-	-	-		
UTAH-----	-	-	1	-	-	-	-	-	-	-	-	-	-	14	2	-	5	2	-	-	-	-	58	23	-	11	17	-	-	-	-	-		
VIRGINIA-----	1	15	4	-	-	-	1	2	-	-	1	-	-	14	3	1	71	12	-	-	1	-	328	57	-	72	49	-	3	-	-	-		
WEST VIRGINIA-----	-	36	3	-	-	-	-	2	-	-	-	6	-	35	4	5	145	34	-	-	-	-	723	94	-	173	73	-	10	-	-	-		
WYOMING-----	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	1	1	-	-	-	-	-	-	
TOTAL:																																		
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
BITUMINOUS-----	5	101	14	-	-	-	10	7	3	10	4	17	-	140	29	21	554	148	-	4	6	-	3,033	580	-	648	372	-	40	-	-	-	-	
ALL COAL-----	5	101	14	-	-	-	10	7	3	10	5	17	-	140	29	21	555	148	-	4	6	-	3,034	581	-	648	372	-	40	-	-	-	-	
SURFACE AT UG:																																		
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	8	6	-	1	6	-	-	-	-	-	-	
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2	-	1	3	-	1	-	-	-	-	
ILLINOIS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	6	-	8	8	-	-	-	-	-	-	
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	
KENTUCKY-----	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69	13	-	13	11	-	-	-	-	-	-	
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	4	-	-	-	-	-	-	-	
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OKLAHOMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PENNSYLVANIA:																																		
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	16	-	5	5	-	1	-	-	-	-	
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	16	-	5	5	-	1	-	-	-	-	
TENNESSEE-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	-	3	1	-	-	-	-	-	-	
UTAH-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1	-	3	4	-	-	-	-	-	-	
VIRGINIA-----	1	1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	29	13	-	9	8	-	1	-	-	-	-	
WEST VIRGINIA-----	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	21	-	6	19	-	-	-	-	-	-	
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
TOTAL:																																		
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BITUMINOUS-----	1	8	5	-	-	-	1	1	-	-	-	-	-	1	4	-	-	-	-	-	1	1	-	261	83	-	53	71	-	3	-	-	-	
ALL COAL-----	1	8	5	-	-	-	1	1	-	-	-	-	-	1	4	-	-	-	-	-	1	1	-	262	83	-	53	71	-	3	-	-	-	

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL
UNDERGROUND MINES:																																	
UNDERGROUND:																																	
ALABAMA-----	-	51	9	-	-	-	-	4	-	-	-	-	-	-	-	43	18	-	57	6	-	8	7	-	6	4	-	3	1	-	370	139	
COLORADO-----	-	16	5	-	-	-	-	-	-	-	-	-	-	-	-	22	5	-	36	10	-	6	2	-	5	1	-	2	-	1	174	63	
ILLINOIS-----	1	130	4	-	2	1	-	-	-	-	-	-	-	-	1	174	38	-	245	12	-	39	1	-	22	6	-	20	-	3	1,290	165	
INDIANA-----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1	13	9
KENTUCKY-----	2	310	51	-	-	-	-	2	-	-	-	-	-	-	2	379	90	-	143	16	-	37	2	-	19	5	-	15	1	17	1,957	441	
MARYLAND-----	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1	-	19	1	-	1	-	-	-	-	-	-	-	-	-	73	5
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
OHIO-----	-	22	15	-	-	-	-	-	-	-	-	-	-	-	-	16	15	-	31	9	-	2	-	-	7	5	-	2	2	2	182	94	
OKLAHOMA-----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	10	-	
PENNSYLVANIA:																																	
ANTHRACITE-----	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	9	2
BITUMINOUS-----	1	133	32	-	1	-	-	-	1	-	-	-	-	-	-	139	46	-	198	26	-	29	9	-	19	18	-	39	4	2	1,180	337	
ALL COAL-----	1	137	32	-	1	-	-	-	1	-	-	-	-	-	-	140	46	-	200	26	-	29	9	-	19	18	-	39	4	2	1,189	339	
TENNESSEE-----	-	24	3	-	-	-	-	-	-	-	-	-	-	-	-	22	2	-	7	1	-	3	-	-	-	1	-	-	-	1	121	16	
UTAH-----	-	8	2	-	-	-	-	-	-	-	-	-	-	-	-	26	14	-	21	6	-	4	1	-	3	-	-	-	-	-	150	68	
VIRGINIA-----	-	130	31	-	1	-	-	3	-	-	-	-	-	-	1	2	163	43	-	71	13	-	20	4	-	13	3	-	10	-	4	915	224
WEST VIRGINIA-----	2	258	41	-	1	-	-	-	-	-	-	-	-	-	2	310	81	-	293	27	-	52	3	-	34	10	-	21	1	9	2,098	374	
WYOMING-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	2	1	-	3	1	-	-	-	-	-	-	-	-	-	1	9	5	
TOTAL:																																	
ANTHRACITE-----	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	9	2	
BITUMINOUS-----	6	1,096	194	-	5	1	-	9	1	-	-	-	-	-	1	8	1,311	359	-	1,124	128	-	201	29	-	128	53	-	113	9	43	8,544	1,940
ALL COAL-----	6	1,100	194	-	5	1	-	9	1	-	-	-	-	-	1	8	1,312	359	-	1,126	128	-	201	29	-	128	53	-	113	9	43	8,553	1,942
SURFACE AT UG:																																	
ALABAMA-----	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1	-	5	2	-	2	-	-	-	-	-	-	-	-	20	16	
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	2	1	-	-	-	-	-	-	-	-	1	-	10	9	
ILLINOIS-----	-	5	1	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	24	1	-	2	-	-	-	-	2	-	-	-	84	17	
INDIANA-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	3	3	
KENTUCKY-----	-	16	5	-	-	-	-	-	1	-	-	-	-	-	-	8	7	-	33	8	-	2	-	-	2	-	2	-	1	150	51		
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	4	5	
NEW MEXICO-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
OHIO-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	5	2	-	-	-	-	-	-	-	-	-	-	13	6	
OKLAHOMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	1
BITUMINOUS-----	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	17	4	-	-	-	-	-	-	-	1	1	-	56	34	
ALL COAL-----	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	17	4	-	-	-	-	-	-	-	2	2	-	58	35	
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	1	-	2	-	-	-	-	-	-	-	-	15	3	
UTAH-----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	6	1	-	-	-	-	-	-	-	-	-	-	22	11	
VIRGINIA-----	-	10	2	-	-	-	-	-	-	-	-	-	-	-	-	6	2	-	14	2	-	-	-	-	-	-	-	-	-	1	71	29	
WEST VIRGINIA-----	-	14	2	-	-	-	-	-	-	-	-	-	-	-	-	11	6	-	39	5	-	4	1	-	-	-	-	4	-	-	142	54	
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	4	-	
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	1
BITUMINOUS-----	-	57	12	-	-	1	-	-	1	-	-	-	-	-	-	30	30	-	152	27	-	12	1	-	1	2	-	12	3	2	595	239	
ALL COAL-----	-	57	12	-	-	1	-	-	1	-	-	-	-	-	-	30	30	-	152	27	-	12	1	-	1	2	-	13	4	2	597	240	

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HANDTOOL			NONPOWERED HAULAGE		
	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL
TOTAL UNDERGROUND:																																	
ALABAMA	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	13	11	-	1	1	-	157	51	-	30	40	-	1	1	
COLORADO	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	11	6	-	4	1	-	-	-	65	21	-	12	17	-	-	-		
ILLINOIS	-	11	1	-	-	-	-	2	-	1	-	-	1	-	-	14	2	1	103	28	-	-	-	472	46	-	94	40	-	9	-		
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	7	2	-	3	-	-	-	-		
KENTUCKY	1	27	6	-	-	-	4	3	3	7	3	-	3	-	1	26	2	9	154	47	-	-	1	756	140	-	153	101	-	11	1		
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	30	3	-	8	5	-	-	-		
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-		
OHIO	1	5	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	7	3	-	-	-	-	73	36	-	19	12	-	-	-		
OKLAHOMA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	1	-	-	1	-	-	-	-		
PENNSYLVANIA:																																	
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	2	1	-	-	-	-	-	-	-	
BITUMINOUS	-	7	-	-	-	-	3	-	-	-	-	4	-	-	-	23	10	1	34	10	-	4	4	474	147	-	99	50	-	7	2		
ALL COAL	-	7	-	-	-	-	3	-	-	-	1	4	-	-	-	23	10	1	35	10	-	4	4	476	148	-	99	50	-	7	2		
TENNESSEE	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	14	-	-	-	-	46	6	-	8	4	-	-	-		
UTAH	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	14	2	-	5	2	-	-	-	67	24	-	14	21	-	-	-		
VIRGINIA	2	16	4	-	-	-	1	3	-	1	-	-	-	-	-	15	3	1	71	12	-	1	-	357	70	-	81	57	-	4	1		
WEST VIRGINIA	-	37	3	-	-	-	1	2	-	1	-	-	6	-	-	35	4	5	145	34	-	-	-	785	115	-	179	92	-	10	1		
WYOMING	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	1	-	-	-	-	-	
TOTAL:																																	
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	2	1	-	-	-	-	-	-	-	
BITUMINOUS	6	109	19	-	-	-	11	8	3	10	4	17	-	1	144	29	21	554	148	-	5	7	-	3,294	663	-	701	443	-	43	6		
ALL COAL	6	109	19	-	-	-	11	8	3	10	5	17	-	1	144	29	21	555	148	-	5	7	-	3,296	664	-	701	443	-	43	6		
SURFACE MINES:																																	
STRIP:																																	
ALABAMA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	33	5	-	11	7	-	-	-		
ALASKA	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-		
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	1	3	-	-		
COLORADO	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	8	3	-	1	2	-	-	-		
ILLINOIS	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	31	15	-	8	10	-	-	-		
INDIANA	-	3	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	1	-	37	33	-	7	26	-	1	-		
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-		
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-		
KENTUCKY	-	6	1	-	-	-	3	-	1	3	-	2	1	-	4	1	-	-	-	-	-	3	1	103	35	-	24	19	-	-	-		
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-		
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MISSOURI	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	-	2	3	-	-	-		
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	6	-	4	1	-	-	-		
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	6	-	2	6	-	-	-		
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	6	-	3	11	-	1	-		
OHIO	-	2	-	-	-	-	4	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	27	19	-	10	5	-	-	-		
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	3	-	5	5	-	1	-		
PENNSYLVANIA:																																	
ANTHRACITE	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	4	-	6	4	-	-	-		
BITUMINOUS	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	-	49	24	-	16	15	-	-	1		
ALL COAL	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	78	28	-	22	19	-	-	1		
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	2	3	-	-	-		
TEXAS	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	33	16	-	5	21	-	1	-		
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	10	4	-	4	1	-	-	-		
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	-	1	4	-	-	-		
WEST VIRGINIA	-	2	1	-	-	-	-	-	-	1	-	-	-	-	-	1	2	-	-	-	-	4	-	60	22	-	18	16	-	-	-		
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	12	20	-	3	15	-	-	-		
TOTAL:																																	
ANTHRACITE	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	4	-	6	4	-	-	-		
BITUMINOUS	-	18	2	-	-	-	10	-	1	5	1	5	-	1	12	4	-	-	-	-	-	13	4	-	459	239	-	127	177	-	4	1	
ALL COAL	-	19	2	-	-	-	10	-	1	5	1	5	-	1	12	4	-	-	-	-	-	13	4	-	488	243	-	133	181	-	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, 1990 (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	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL			
TOTAL UNDERGROUND:																																	
ALABAMA-----	-	53	9	-	-	1	-	4	-	-	-	-	-	-	44	19	-	62	8	-	10	7	-	6	4	-	3	1	-	390	155		
COLORADO-----	-	16	5	-	-	-	-	-	-	-	-	-	-	-	23	7	-	38	11	-	6	2	-	5	1	-	2	1	1	184	72		
ILLINOIS-----	1	135	5	-	2	1	-	-	-	-	-	-	-	-	176	39	-	269	13	-	41	1	-	22	6	-	22	-	3	1,374	182		
INDIANA-----	-	3	1	-	-	-	-	-	-	-	-	-	-	-	3	6	-	1	-	-	-	-	-	-	-	-	-	-	1	16	12		
KENTUCKY-----	2	326	56	-	-	-	-	2	1	-	-	-	-	-	387	97	-	176	24	-	39	2	-	19	7	-	17	1	18	2,107	492		
MARYLAND-----	-	8	-	-	-	-	-	-	-	-	-	-	-	-	9	1	-	20	1	-	1	-	-	-	-	-	-	-	1	77	10		
NEW MEXICO-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-		
OHIO-----	-	24	15	-	-	-	-	-	-	-	-	-	-	-	16	16	-	36	11	-	2	-	-	7	5	-	3	2	2	195	100		
OKLAHOMA-----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	10	1		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	1	1	-	11	3		
BITUMINOUS-----	1	137	33	-	1	-	-	-	1	-	-	-	-	-	139	52	-	215	30	-	29	9	-	20	18	-	40	5	2	1,236	371		
ALL COAL-----	1	141	33	-	1	-	-	-	1	-	-	-	-	-	140	52	-	217	30	-	29	9	-	20	18	-	41	6	2	1,247	374		
TENNESSEE-----	-	24	3	-	-	-	-	-	-	-	-	-	-	-	23	2	-	9	2	-	5	-	-	1	-	2	-	1	136	19			
UTAH-----	-	11	2	-	-	-	-	-	-	-	-	-	-	-	26	17	-	27	7	-	4	1	-	3	-	-	1	1	-	172	79		
VIRGINIA-----	-	140	33	-	1	-	-	3	-	-	-	-	1	2	169	45	-	85	15	-	20	4	-	13	3	-	10	-	5	986	253		
WEST VIRGINIA-----	2	272	43	-	1	-	-	-	-	-	-	-	-	2	321	87	-	332	32	-	56	4	-	34	10	-	25	1	9	2,240	428		
WYOMING-----	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2	1	-	6	-	-	-	-	-	-	-	-	-	-	1	13	5		
TOTAL:																																	
ANTHRACITE-----	-	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	1	1	-	11	3		
BITUMINOUS-----	6	1,153	206	-	5	2	-	9	2	-	-	-	1	8	1,341	389	-	1,276	155	-	213	30	-	129	55	-	125	12	45	9,139	2,179		
ALL COAL-----	6	1,157	206	-	5	2	-	9	2	-	-	-	1	8	1,342	389	-	1,278	155	-	213	30	-	129	55	-	126	13	45	9,150	2,182		
SURFACE MINES:																																	
STRIP:																																	
ALABAMA-----	-	4	-	-	-	-	-	-	-	-	-	-	-	-	15	3	-	37	1	-	1	-	-	-	-	-	1	-	-	105	16		
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	1	-	-	8	1		
ARIZONA-----	-	2	1	-	-	-	-	-	-	-	-	-	-	-	2	1	-	4	3	-	1	-	-	-	-	-	-	-	-	9	13		
COLORADO-----	-	2	1	-	-	-	-	-	-	-	-	-	-	-	7	-	-	5	5	-	-	-	-	-	-	-	-	-	-	19	21		
ILLINOIS-----	-	5	1	-	-	-	-	-	-	-	-	-	-	-	10	7	-	34	2	-	4	1	-	-	-	1	4	1	1	99	38		
INDIANA-----	-	15	7	-	-	-	-	-	-	-	-	-	-	1	18	22	-	49	8	-	4	-	-	-	-	3	5	1	139	102			
IOWA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	5	-		
KANSAS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	6	3		
KENTUCKY-----	1	49	8	-	-	-	-	1	-	-	-	-	-	-	54	24	-	99	12	-	6	1	-	2	-	4	-	2	363	103			
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	3	3		
MARYLAND-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	1	1	-	2	7	
MISSOURI-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	2	-	7	1	-	-	-	-	1	-	-	-	-	-	18	8		
MONTANA-----	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	4	-	5	6	-	-	-	-	-	-	-	1	1	-	18	20		
NEW MEXICO-----	-	3	2	-	-	-	-	-	-	-	-	-	-	-	1	6	-	9	3	-	-	-	-	-	-	-	-	-	-	22	23		
NORTH DAKOTA-----	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	2	-	3	-	-	-	-	-	1	1	2	21	28		
OHIO-----	-	10	4	-	-	-	-	1	-	-	-	-	-	-	9	8	-	37	16	-	5	2	-	1	-	-	1	3	-	107	60		
OKLAHOMA-----	-	4	-	-	-	-	-	-	-	-	-	-	-	-	2	5	-	6	3	-	1	1	-	-	-	-	-	2	-	29	19		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	5	-	30	1	-	1	-	-	-	-	-	1	-	-	77	14		
BITUMINOUS-----	-	13	3	-	-	-	-	-	-	-	-	-	-	-	1	21	15	-	64	14	-	3	4	-	1	1	-	3	3	1	176	80	
ALL COAL-----	-	13	3	-	-	-	-	-	-	-	-	-	-	-	30	20	-	94	15	-	4	4	-	1	1	-	4	3	1	253	94		
TENNESSEE-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	1	-	-	-	-	-	-	-	-	14	4		
TEXAS-----	1	7	8	-	-	-	-	-	-	-	-	-	-	-	9	14	-	20	6	-	3	-	-	-	-	1	2	1	81	67			
VIRGINIA-----	-	4	-	-	-	-	-	1	-	-	-	-	-	-	6	4	-	10	1	-	2	-	-	-	-	-	1	2	-	40	12		
WASHINGTON-----	-	5	1	-	-	-	-	-	-	-	-	-	-	-	6	6	-	5	-	-	1	-	-	-	-	-	3	-	-	26	17		
WEST VIRGINIA-----	-	32	5	-	-	-	-	1	-	-	-	-	-	-	32	15	-	72	10	-	6	-	-	1	-	-	9	1	-	239	72		
WYOMING-----	-	5	1	-	-	-	-	-	-	-	-	-	-	-	7	15	-	15	2	-	2	-	-	-	-	-	1	1	-	46	55		
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	5	-	30	1	-	1	-	-	-	-	-	1	-	-	77	14		
BITUMINOUS-----	3	168	46	-	-	-	-	4	-	-	-	-	-	-	2	199	162	489	97	-	42	11	-	5	2	1	35	25	9	1,595	772		
ALL COAL-----	3	168	46	-	-	-	-	4	-	-	-	-	-	-	2	208	167	519	98	-	43	11	-	5	2	1	36	25	9	1,672	786		

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HANDTOOL			NONPOWERED HAULAGE		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL
AUGER:																																	
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-
WEST VIRGINIA----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	-	-	-	-	-	-	-	1	1	-	2	-	-	-	-	-
TOTAL:																																	
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1	-	-	-	-	-	-	-	5	4	-	3	1	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1	-	-	-	-	-	-	-	5	4	-	3	1	-	-	-	-
CULM BANK:																																	
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:																																	
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	-	-	-	-	-
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	1	-	-	-	-	-
WEST VIRGINIA----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-
TOTAL:																																	
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	-	-	-	-	-
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	1	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	2	-	-	-	-	-
DREDGE:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
WEST VIRGINIA----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL:																																	
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL			
AUGER:																																	
KENTUCKY-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	6	2		
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4	1	-	-	-	-	-	-	-	-	1	10	4		
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	1	-	-	-	-	-	-	-	-	2	13	4		
TOTAL:																																	
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	9	2	-	-	-	-	-	-	-	-	3	29	10		
ALL COAL-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	9	2	-	-	-	-	-	-	-	-	3	29	10		
CULM BANK:																																	
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	8	1	-	-	-	-	-	-	-	-	-	-	16	3		
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-		
ALL COAL-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	8	1	-	-	-	-	-	-	-	-	-	-	21	3		
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	4	-		
TOTAL:																																	
ANTHRACITE----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	8	1	-	-	-	-	-	-	-	-	-	-	16	3		
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	10	-		
ALL COAL-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2	10	1	-	-	-	-	-	-	-	-	-	-	26	3		
DREDGE:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
TOTAL:																																	
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-		

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HANDTOOL			NONPOWERED HAULAGE		
	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL
TOTAL SURFACE:																																	
ALABAMA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	34	5	-	11	7	-	-	-	-
ALASKA-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	3	-	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	1	3	-	-	-	-
COLORADO-----	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	8	3	-	1	2	-	-	-	-
ILLINOIS-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-	31	15	-	8	10	-	-	-	-
INDIANA-----	-	3	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	-	-	37	33	-	7	26	-	1	-	-
IOWA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	2	-	-	-	-
KANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	2	-	-	-	-
KENTUCKY-----	-	6	1	-	-	-	-	3	-	1	3	-	2	1	-	5	1	-	-	-	3	1	-	105	35	-	25	20	-	-	-	-	-
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	2	-	-	-	-
MISSOURI-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	-	2	3	-	-	-	-
MONTANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	6	-	4	1	-	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	6	-	2	6	-	-	-
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12	-	3	11	-	1	-	-
OHIO-----	-	2	-	-	-	-	-	4	-	-	-	-	-	-	-	2	-	-	-	-	-	2	-	-	30	22	-	10	5	-	-	-	-
OKLAHOMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	3	-	5	5	-	1	-	-
PENNSYLVANIA:																																	
ANTHRACITE-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	4	-	7	4	-	-	-	-
BITUMINOUS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-	-	53	24	-	16	15	-	-	1	-
ALL COAL-----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	85	28	-	23	19	-	-	1	-
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6	-	-	2	3	-	-	-	-
TEXAS-----	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	33	16	-	5	21	-	1	-	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	10	4	-	4	1	-	-	-	-
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	-	1	4	-	-	-	-
WEST VIRGINIA-----	-	2	1	-	-	-	-	-	-	-	1	-	-	-	-	5	3	-	-	-	4	-	-	-	63	23	-	21	16	-	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	12	20	-	3	15	-	-	-	-
TOTAL:																																	
ANTHRACITE-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	4	-	7	4	-	-	-	-
BITUMINOUS-----	-	18	2	-	-	-	-	10	-	1	5	-	5	1	-	18	5	-	-	-	13	4	-	-	472	243	-	131	178	-	4	1	-
ALL COAL-----	-	19	2	-	-	-	-	10	-	1	5	-	5	1	-	18	5	-	-	-	13	4	-	-	504	247	-	138	182	-	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, 1990 (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	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL
TOTAL SURFACE:																																	
ALABAMA-----	-	4	-	-	-	-	-	-	-	-	-	-	-	-	15	3	-	37	1	-	1	-	-	-	-	-	1	-	-	-	106	16	
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	8	1	
ARIZONA-----	-	2	1	-	-	-	-	-	-	-	-	-	-	-	2	1	-	4	3	-	1	-	-	-	-	-	-	-	-	-	9	13	
COLORADO-----	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	7	-	5	5	-	1	-	-	-	-	1	2	-	-	19	21		
ILLINOIS-----	-	5	1	-	-	-	-	-	-	-	-	-	-	-	11	7	-	34	2	-	4	1	-	-	-	1	4	1	1	100	38		
INDIANA-----	-	15	7	-	-	-	-	-	-	-	-	-	1	18	22	49	8	4	8	-	-	-	-	-	-	3	5	1	139	102			
IOWA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	5	-		
KANSAS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	3	
KENTUCKY-----	1	50	8	-	-	-	1	-	-	-	-	-	-	54	25	101	12	6	1	2	-	2	-	-	4	-	2	370	105				
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3	3		
MARYLAND-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	1	1	-	2	7		
MISSOURI-----	-	-	1	-	-	-	-	-	-	-	-	-	-	2	2	7	1	-	-	-	-	-	1	-	-	-	-	-	-	-	18	8	
MONTANA-----	-	-	2	-	-	-	-	-	-	-	-	-	-	-	4	5	6	-	-	-	-	-	-	-	-	1	1	-	-	18	20		
NEW MEXICO-----	-	3	2	-	-	-	-	-	-	-	-	-	-	1	6	9	3	-	-	-	-	-	-	-	-	-	-	-	-	22	23		
NORTH DAKOTA-----	1	4	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	2	-	3	-	-	-	-	-	1	1	2	21	28			
OHIO-----	-	10	4	-	-	-	1	-	-	-	-	-	-	-	8	41	17	5	2	-	-	-	1	-	2	3	-	-	117	64			
OKLAHOMA-----	-	4	-	-	-	-	-	-	-	-	-	-	-	2	5	6	3	-	1	1	-	-	-	-	-	-	2	-	-	29	19		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	2	-	-	-	-	-	-	-	-	-	-	-	11	7	38	2	-	1	-	-	-	-	-	-	1	-	-	-	93	17		
BITUMINOUS-----	-	13	3	-	-	-	-	-	-	-	-	-	1	22	15	64	14	3	4	-	1	1	-	-	3	3	1	181	80				
ALL COAL-----	-	15	3	-	-	-	-	-	-	-	-	1	33	22	102	16	4	4	-	1	1	-	4	3	1	274	97						
TENNESSEE-----	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	14	4		
TEXAS-----	1	7	8	-	-	-	-	-	-	-	-	-	-	9	14	20	6	-	3	-	-	-	-	-	1	2	1	81	67				
VIRGINIA-----	-	4	-	-	-	-	1	-	-	-	-	-	-	6	4	10	1	-	2	-	-	-	-	-	1	2	-	40	12				
WASHINGTON-----	-	5	1	-	-	-	-	-	-	-	-	-	-	6	6	5	-	1	1	-	-	-	-	-	3	-	-	26	17				
WEST VIRGINIA-----	-	32	5	-	-	-	1	-	-	-	-	-	-	33	16	77	11	-	6	-	1	-	1	-	11	1	-	257	76				
WYOMING-----	-	5	1	-	-	-	-	-	-	-	-	-	-	7	15	15	2	-	2	-	-	-	-	-	1	1	-	46	55				
TOTAL:																																	
ANTHRACITE-----	-	2	-	-	-	-	-	-	-	-	-	-	-	11	7	38	2	-	1	-	-	-	-	-	1	-	-	-	-	93	17		
BITUMINOUS-----	3	169	46	-	-	-	4	-	-	-	-	-	2	203	164	500	99	42	11	-	5	2	1	38	25	9	1,637	782					
ALL COAL-----	3	171	46	-	-	-	4	-	-	-	-	-	2	214	171	538	101	43	11	-	5	2	1	39	25	9	1,730	799					

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HANDTOOL			NONPOWERED HAULAGE		
	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL
TOTAL MINING:																																	
ALABAMA-----	-	3	2	-	-	-	-	-	-	-	-	-	-	-	6	-	-	13	11	-	1	1	-	191	56	-	41	47	-	1	1	-	
ALASKA-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-	
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	1	3	-	-	-	-	-	
COLORADO-----	1	2	-	-	-	-	-	-	-	-	-	-	1	-	11	6	-	4	1	-	-	-	73	24	-	13	19	-	1	-	-		
ILLINOIS-----	-	11	1	-	-	-	3	-	-	1	-	-	1	-	14	3	1	103	28	-	2	-	503	61	-	102	50	-	9	-	-		
INDIANA-----	-	3	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	1	-	44	35	-	9	29	-	1	-	-		
IOWA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-		
KANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	2	-	-	-	-		
KENTUCKY-----	1	33	7	-	-	-	7	3	4	10	3	-	5	1	1	31	3	9	154	47	-	3	2	861	175	-	178	121	-	11	1	-	
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-		
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	30	6	-	8	7	-	-	-	-		
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	-	2	3	-	-	-	-		
MONTANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	6	-	4	1	-	-	-	-		
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	6	-	2	6	-	-	-	-		
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12	-	3	11	-	1	-	-		
OHIO-----	1	7	-	-	-	-	4	-	-	-	-	3	-	-	2	-	1	7	3	-	-	2	103	58	-	29	17	-	-	-	-		
OKLAHOMA-----	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	11	4	-	6	5	-	1	-	-		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	34	5	-	7	4	-	-	-	-	-	
BITUMINOUS-----	-	9	-	-	-	-	3	-	-	-	-	4	-	-	25	10	1	34	10	-	6	4	527	171	-	115	65	-	7	3	-		
ALL COAL-----	-	10	-	-	-	-	3	-	-	-	1	4	-	-	25	10	1	35	10	-	6	4	561	176	-	122	69	-	7	3	-		
TENNESSEE-----	-	3	1	-	-	-	-	-	-	-	-	-	-	-	2	-	1	14	-	-	-	1	52	6	-	10	7	-	-	-	-		
TEXAS-----	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	33	16	-	5	21	-	1	-	-		
UTAH-----	-	-	2	-	-	-	-	-	-	-	-	-	-	-	14	2	-	5	2	-	-	-	67	24	-	14	21	-	-	-	-		
VIRGINIA-----	2	16	4	-	-	-	1	3	-	1	1	-	-	-	16	3	1	71	12	-	1	-	367	74	-	85	58	-	4	1	-		
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	-	1	4	-	-	-	-		
WEST VIRGINIA-----	-	39	4	-	-	-	1	2	-	2	-	6	-	-	40	7	5	145	34	-	4	-	848	138	-	200	108	-	10	1	-		
WYOMING-----	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-	15	21	-	4	16	-	-	-	-	-	
TOTAL:																																	
ANTHRACITE-----	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	34	5	-	7	4	-	-	-	-	-	
BITUMINOUS-----	6	127	21	-	-	-	21	8	4	15	5	-	22	1	1	162	34	21	554	148	-	18	11	3,766	906	-	832	621	-	47	7	-	
ALL COAL-----	6	128	21	-	-	-	21	8	4	15	6	-	22	1	1	162	34	21	555	148	-	18	11	3,800	911	-	839	625	-	47	7	-	
INDEPENDENT SHOPS:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	2	1	-	-	-	-	-	
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2	-	3	-	-	-	-	-	-	
INDIANA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2	-	2	1	-	-	-	-	-	
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	1	-	-	-	-	-	
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	1	-	-	-	-	-	
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	4	-	2	4	-	-	-	-	-	
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	1	-	-	-	-	-	
BITUMINOUS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	15	-	16	12	-	-	-	-	-	
ALL COAL-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	17	-	16	13	-	-	-	-	-	

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL			
TOTAL MINING:																																	
ALABAMA-----	-	57	9	-	-	1	-	4	-	-	-	-	-	-	59	22	-	99	9	-	11	7	-	6	4	-	4	1	-	496	171		
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	1	-	-	8	1		
ARIZONA-----	-	2	1	-	-	-	-	-	-	-	-	-	-	-	2	1	-	4	3	-	-	1	-	-	-	-	-	-	-	9	13		
COLORADO-----	-	18	6	-	-	-	-	-	-	-	-	-	-	-	23	14	-	43	16	-	6	3	-	5	1	-	3	3	1	203	93		
ILLINOIS-----	1	140	6	-	2	1	-	-	-	-	-	-	-	-	187	46	-	303	15	-	45	2	-	22	6	1	26	1	4	1,474	220		
INDIANA-----	-	18	8	-	-	-	-	-	-	-	-	-	-	-	1	21	28	50	8	-	4	-	-	-	-	3	5	2	155	114			
IOWA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	5	-		
KANSAS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	6	3		
KENTUCKY-----	3	376	64	-	-	-	-	3	1	-	-	-	-	-	2	441	122	277	36	-	45	3	-	21	7	-	21	1	20	2,477	597		
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	1	-	-	-	-	-	-	-	-	-	-	3	3		
MARYLAND-----	-	8	1	-	-	-	-	-	-	-	-	-	-	-	9	1	1	22	1	-	1	-	-	-	-	-	-	1	2	79	17		
MISSOURI-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	2	-	7	1	-	-	-	-	1	-	-	-	-	-	18	8		
MONTANA-----	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	4	-	5	6	-	-	-	-	-	-	-	1	1	-	18	20		
NEW MEXICO-----	-	4	2	-	-	-	-	-	-	-	-	-	-	-	2	6	-	9	3	-	-	-	-	-	-	-	-	-	-	25	23		
NORTH DAKOTA-----	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	2	-	3	-	-	-	-	-	1	1	2	21	28		
OHIO-----	-	34	19	-	-	-	-	1	-	-	-	-	-	-	26	24	-	77	28	-	7	2	-	7	6	-	5	5	2	312	164		
OKLAHOMA-----	-	7	-	-	-	-	-	-	-	-	-	-	-	-	4	5	-	6	3	-	1	1	-	-	-	-	-	2	1	39	20		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	6	-	-	-	-	-	-	-	-	-	-	-	-	12	7	-	40	2	-	1	-	-	-	-	-	2	1	-	104	20		
BITUMINOUS-----	1	150	36	-	1	-	-	-	1	-	-	-	-	-	1	161	67	-	279	44	-	32	13	-	21	19	-	43	8	3	1,417	451	
ALL COAL-----	1	156	36	-	1	-	-	-	1	-	-	-	-	-	1	173	74	-	319	46	-	33	13	-	21	19	-	45	9	3	1,521	471	
TENNESSEE-----	-	25	3	-	-	-	-	-	-	-	-	-	-	-	24	2	-	11	3	-	6	-	-	-	1	-	2	-	-	150	23		
TEXAS-----	1	7	8	-	-	-	-	-	-	-	-	-	-	-	9	14	-	20	6	-	3	-	-	-	-	-	1	2	1	81	67		
UTAH-----	-	11	2	-	-	-	-	-	-	-	-	-	-	-	26	17	-	27	7	-	4	1	-	3	-	1	1	-	-	172	79		
VIRGINIA-----	-	144	33	-	1	-	-	4	-	-	-	-	1	2	175	49	-	95	16	-	22	4	-	13	3	-	11	2	5	1,026	265		
WASHINGTON-----	-	5	1	-	-	-	-	-	-	-	-	-	-	-	6	6	-	5	-	-	1	-	-	-	-	-	3	-	-	26	17		
WEST VIRGINIA-----	2	304	48	-	1	-	-	1	-	-	-	-	-	-	2	354	103	-	409	43	-	62	4	-	35	10	-	36	2	9	2,497	504	
WYOMING-----	-	5	2	-	-	-	-	-	-	-	-	-	-	-	1	9	16	-	21	3	-	2	-	-	-	-	-	1	1	1	59	60	
TOTAL:																																	
ANTHRACITE-----	-	6	-	-	-	-	-	-	-	-	-	-	-	-	12	7	-	40	2	-	1	-	-	-	-	-	2	1	-	104	20		
BITUMINOUS-----	9	1,322	252	-	5	2	-	13	2	-	-	-	-	-	10	1,544	553	2	1,776	254	-	255	41	-	134	57	1	163	37	54	10,776	2,961	
ALL COAL-----	9	1,328	252	-	5	2	-	13	2	-	-	-	-	-	10	1,556	560	2	1,816	256	-	256	41	-	134	57	1	165	38	54	10,880	2,981	
INDEPENDENT SHOPS:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	1	2	-	1	-	-	-	-	-	1	1	-	5	11		
ILLINOIS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	3	-	-	-	-	-	1	-	-	2	-	-	16	4		
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	5	1		
KENTUCKY-----	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	9	3		
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3		
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ALL COAL-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	12	11	
WEST VIRGINIA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	3	1	-	-	-	-	-	-	-	-	1	-	21	14		
TOTAL:																																	
ANTHRACITE-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	
BITUMINOUS-----	-	3	-	-	-	-	-	1	-	-	-	-	-	-	4	12	-	10	4	-	1	-	-	2	-	-	3	2	1	69	45		
ALL COAL-----	-	4	-	-	-	-	-	1	-	-	-	-	-	-	5	12	-	10	4	-	1	-	-	2	-	-	3	2	1	72	48		

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HANDTOOL			NONPOWERED HAULAGE		
	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL
PROCESSING PLANTS:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	6	-	2	3	-	-	-	-	
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COLORADO-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	2	1	-	-	-	-	-	
ILLINOIS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	3	8	2	-	-	-	-	-	
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	6	4	3	2	-	-	-	-	-	
KENTUCKY-----	-	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	29	25	21	-	-	-	-	-	
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	-	-	-	-	-	-	
MISSOURI-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-	
MONTANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	2	-	-	-	-	-	
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	4	4	-	4	-	1	-	-	-	
OKLAHOMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PENNSYLVANIA:																																	
ANTHRACITE-----	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	27	6	-	7	6	-	-	-	-	
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	15	7	6	-	1	1	-	-	
ALL COAL-----	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	65	21	14	12	-	1	1	-	-	
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	1	-	-	-	-	-	
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIRGINIA-----	-	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WEST VIRGINIA-----	1	2	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	3	-	-	-	86	16	-	20	22	-	3	-	-	
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	
TOTAL:																																	
ANTHRACITE-----	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	27	6	-	7	6	-	-	-	-	
BITUMINOUS-----	1	8	-	-	-	1	-	3	1	-	-	-	2	2	-	-	-	-	-	-	-	-	-	292	115	91	76	-	6	1	-	-	
ALL COAL-----	1	9	-	-	-	1	-	3	1	-	-	-	2	2	-	-	-	-	-	-	-	-	-	319	121	98	82	-	6	1	-	-	

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL			
PROCESSING PLANTS:																																	
ALABAMA-----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	-	5	2	-	-	-	-	-	-	-	-	-	22	15		
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	4	-		
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-		
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	7	2		
ILLINOIS-----	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	6	4	-	17	2	-	2	-	-	1	-	-	2	-	60	12		
INDIANA-----	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	3	2	-	-	-	-	-	-	-	-	3	19	11		
KENTUCKY-----	-	18	2	-	-	-	-	3	-	-	-	-	-	-	-	15	14	1	55	8	-	5	1	-	1	-	-	2	1	1	209	76	
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	5	2		
MISSOURI-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1	-	6	2	
MONTANA-----	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	4		
NEW MEXICO-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	7	
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
OHIO-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2	-	4	3	-	-	1	-	-	-	-	-	-	-	16	14	
OKLAHOMA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
PENNSYLVANIA:																																	
ANTHRACITE-----	-	5	1	-	-	-	-	-	-	-	-	-	-	-	-	12	1	-	28	1	-	2	-	-	-	-	-	2	-	2	84	15	
BITUMINOUS-----	-	5	2	-	-	-	-	-	-	-	-	-	-	-	-	5	6	-	22	12	-	-	-	3	-	-	-	1	1	-	82	43	
ALL COAL-----	-	10	3	-	-	-	-	-	-	-	-	-	-	-	-	17	7	-	50	13	-	2	-	3	-	-	-	3	1	2	166	58	
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	7	3	
TEXAS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	4	1	
UTAH-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	3	-	-	1	-	-	-	-	-	-	-	-	6	4	
VIRGINIA-----	-	9	2	-	-	-	-	1	-	-	-	-	-	-	-	10	11	-	26	1	-	-	-	-	1	-	3	2	-	105	49		
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	3	3	
WEST VIRGINIA-----	-	22	4	-	-	-	-	-	-	-	-	-	-	-	-	16	7	-	55	12	-	6	1	-	2	-	-	9	-	1	224	64	
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-	-	-	-	-	-	-	-	-	-	-	3	6	
TOTAL:																																	
ANTHRACITE-----	-	5	1	-	-	-	-	-	-	-	-	-	-	-	-	12	1	-	28	1	-	2	-	-	-	-	-	2	-	2	84	15	
BITUMINOUS-----	-	69	13	-	-	1	-	4	-	-	-	-	-	-	-	63	56	1	206	45	-	15	3	-	7	1	-	18	8	2	787	321	
ALL COAL-----	-	74	14	-	-	1	-	4	-	-	-	-	-	-	-	75	57	1	234	46	-	17	3	-	7	1	-	20	8	4	871	336	

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HANDTOOL			NONPOWERED HAULAGE			
	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	
TOTAL MINES AND PLANTS:																																		
ALABAMA		3	2												6			13	11		1	1		201	65		45	51		1	1			
ALASKA								1															4	1										
ARIZONA																								4			1	3						
COLORADO	1	3												11	6		4	1						76	24		15	20		1				
ILLINOIS		12	1					3		1			1	14	3	1	103	28		2				529	66		113	52		9				
INDIANA		4									1		2			1				1				50	39		13	31		1				
IOWA																								2										
KANSAS																								2	1			2						
KENTUCKY	1	35	7					8	3	4	10	3		5	1	1	31	3	9	154	47		3	2	947	206		205	143		11	1		
LOUISIANA																								1										
MARYLAND																	1	1						33	8		8	7						
MISSOURI								2																6	1		4	3						
MONTANA																								9	7		4	2						
NEW MEXICO																								9	8		2	8						
NEW YORK																									2									
NORTH DAKOTA																								7	12		3	11		1				
OHIO	1	7						4					4			2		1	7	3		2		108	62		29	22		1				
OKLAHOMA	1																		3					11	4		6	5		1				
PENNSYLVANIA:																																		
ANTHRACITE		2										1	2					1							62	13		14	11					
BITUMINOUS		9						3					4			25	10	1	34	10		6	4		565	186		122	71		8	4		
ALL COAL		11						3				1	2			25	10	1	35	10		6	4		627	199		136	82		8	4		
TENNESSEE		3	1													2		1	14						53	8		11	8					
TEXAS		1											1												34	17		5	21		1			
UTAH			2													14	2		5	2					68	24		15	22					
VIRGINIA	2	18	4					2	3		1	1				16	3	1	71	12		1			408	101		107	71		5	1		
WASHINGTON																									5	6		1	5					
WEST VIRGINIA	1	41	4			1		1	3			2		6		40	7	5	145	34		7			944	158		226	135		13	1		
WYOMING										1						1						1			15	26		4	16					
TOTAL:																																		
ANTHRACITE		2										1	2					1							62	13		14	11					
BITUMINOUS	7	136	21			1		24	9	4	15	5	24	1	1	162	34	21	554	148		21	11		4,087	1,036		939	709		53	8		
ALL COAL	7	138	21			1		24	9	4	15	6	2	24	1	1	162	34	21	555	148		21	11		4,149	1,049		953	720		53	8	
OFFICE:																																		
ALABAMA																									1									
ILLINOIS																										1			1					
KENTUCKY																																		
OHIO																									4									
PENNSYLVANIA:																									1									
ANTHRACITE																																		
BITUMINOUS																										1								
ALL COAL																										1								
UTAH																										1								
VIRGINIA															1																			
WEST VIRGINIA			1																															
WYOMING																											2	1						
TOTAL:																																		
ANTHRACITE																																		
BITUMINOUS		1																								9			1					
ALL COAL		1																								9			1					

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL			
TOTAL MINES AND PLNTS:																																	
ALABAMA-----	-	60	9	-	-	1	-	4	-	-	-	-	-	-	61	30	-	105	13	-	12	7	-	6	4	-	5	2	-	523	197		
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	2	-	-	-	-	-	-	-	-	1	-	-	12	1		
ARIZONA-----	-	2	1	-	-	-	-	-	-	-	-	-	-	-	2	1	-	5	3	-	1	1	-	-	-	-	-	-	-	11	13		
COLORADO-----	-	18	6	-	-	-	-	-	-	-	-	-	-	-	23	14	-	44	17	-	6	3	-	5	1	-	3	3	1	210	95		
ILLINOIS-----	1	143	7	-	2	1	-	-	-	-	-	-	-	1	194	52	-	323	17	-	47	2	-	24	6	1	30	1	4	1,550	236		
INDIANA-----	-	22	8	-	-	-	-	-	-	-	-	-	-	1	25	29	-	54	10	-	4	-	-	-	-	-	3	8	2	179	126		
IOWA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	5	-		
KANSAS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	6	3		
KENTUCKY-----	3	395	66	-	-	1	6	1	-	-	-	-	-	2	456	136	1	333	44	-	50	4	-	23	7	-	23	2	22	2,695	676		
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	1	-	-	-	-	-	-	-	-	-	-	3	3		
MARYLAND-----	-	8	1	-	-	-	-	-	-	-	-	-	-	-	9	1	1	24	1	-	1	-	-	-	-	-	-	1	2	-	84	19	
MISSOURI-----	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	2	-	5	1	-	-	-	1	-	-	-	1	1	-	24	10		
MONTANA-----	-	1	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	5	6	-	-	-	-	-	-	-	1	1	-	20	24		
NEW MEXICO-----	-	5	2	-	-	-	-	-	-	-	-	-	-	-	3	9	-	9	3	-	-	-	-	-	-	-	-	-	-	28	30		
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	
NORTH DAKOTA-----	1	4	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	2	2	-	3	-	-	-	-	-	1	1	2	21	29		
OHIO-----	-	36	19	-	-	-	1	-	-	-	-	-	-	-	30	26	-	81	31	-	7	3	-	7	6	-	5	5	2	329	179		
OKLAHOMA-----	-	8	-	-	-	-	-	-	-	-	-	-	-	-	4	5	-	6	3	-	1	1	-	-	-	-	-	2	1	40	20		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	12	1	-	-	-	-	-	-	-	-	-	-	-	25	8	-	68	3	-	3	-	-	-	-	-	4	1	2	191	38		
BITUMINOUS-----	1	155	38	-	1	-	-	1	-	-	-	-	-	1	166	73	-	301	56	-	32	13	-	24	19	-	44	9	3	1,499	494		
ALL COAL-----	1	167	39	-	1	-	-	1	-	-	-	-	-	1	191	81	-	369	59	-	35	13	-	24	19	-	48	10	5	1,690	532		
TENNESSEE-----	-	25	3	-	-	-	-	-	-	-	-	-	-	-	24	2	-	16	3	-	6	-	-	-	1	-	2	1	-	157	26		
TEXAS-----	1	8	8	-	-	-	-	-	-	-	-	-	-	-	9	14	-	22	6	-	3	-	-	-	-	-	1	2	1	85	68		
UTAH-----	-	11	3	-	-	-	-	-	-	-	-	-	-	-	26	19	-	30	7	-	5	1	-	3	-	-	1	1	-	178	83		
VIRGINIA-----	-	153	35	-	1	-	5	-	-	-	-	1	2	185	62	-	122	18	-	22	4	-	13	4	-	14	4	5	1,143	325			
WASHINGTON-----	-	5	1	-	-	-	-	-	-	-	-	-	-	-	6	6	-	5	2	-	1	-	-	-	-	-	3	-	-	26	20		
WEST VIRGINIA-----	2	327	52	-	1	-	1	-	-	-	-	-	2	371	113	-	467	56	-	68	5	-	37	10	-	45	3	10	2,742	582			
WYOMING-----	-	5	2	-	-	-	-	-	-	-	-	-	-	1	9	17	-	24	3	-	2	-	-	-	-	-	1	1	1	62	66		
TOTAL:																																	
ANTHRACITE-----	-	12	1	-	-	-	-	-	-	-	-	-	-	-	25	8	-	68	3	-	3	-	-	-	-	-	4	1	2	191	38		
BITUMINOUS-----	9	1,394	265	-	5	3	1	17	2	-	-	-	1	10	1,611	621	3	1,992	303	-	271	44	-	143	58	1	184	47	57	11,632	3,327		
ALL COAL-----	9	1,406	266	-	5	3	1	17	2	-	-	-	1	10	1,636	629	3	2,060	306	-	274	44	-	143	58	1	188	48	59	11,823	3,365		
OFFICE:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1		
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	4	2		
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-		
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	1	
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	1	-	-	5	3		
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	4	-	-	-	-	-	1	-	1	-	-	17	11		
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	4	-	-	-	-	-	1	-	1	-	-	17	11		

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HANDTOOL			NONPOWERED HAULAGE		
	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL
GRAND TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALABAMA-----	-	3	2	-	-	-	-	-	-	-	-	-	-	-	6	-	-	13	11	-	1	1	-	202	65	-	45	51	-	1	1	-	-
ALASKA-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	-	-	-	-	-	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	1	3	-	-	-	-	-
COLORADO-----	1	3	-	-	-	-	-	-	-	-	-	-	1	-	11	6	-	4	1	-	-	-	76	24	-	15	20	-	1	-	-	-	
ILLINOIS-----	-	12	1	-	-	-	3	-	-	1	-	-	1	-	14	3	1	103	28	-	2	-	529	67	-	113	53	-	9	-	-	-	
INDIANA-----	-	4	-	-	-	-	-	-	-	-	-	1	2	-	-	-	1	-	-	-	1	-	50	39	-	13	31	-	1	-	-	-	
IOWA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	
KANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	
KENTUCKY-----	1	35	7	-	-	-	8	3	4	10	3	-	5	1	1	31	3	9	154	47	-	3	2	951	206	-	205	143	-	11	1	-	-
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	33	8	-	8	7	-	-	-	-	-	
MISSOURI-----	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1	-	4	3	-	-	-	-	-	
MONTANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	7	-	4	2	-	-	-	-	-	
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	8	-	2	8	-	-	-	-	-	
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12	-	3	11	-	1	-	-	-	
OHIO-----	1	7	-	-	-	-	4	-	-	-	-	4	-	2	-	1	7	3	-	2	-	109	62	-	29	22	-	1	-	-	-	-	
OKLAHOMA-----	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	11	4	-	6	5	-	1	-	-	-	
PENNSYLVANIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANTHRACITE-----	-	2	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	1	-	-	-	-	62	13	-	14	11	-	-	-	-	-	
BITUMINOUS-----	-	9	-	-	-	-	3	-	-	-	-	4	-	-	25	10	1	34	10	-	6	4	-	565	187	-	122	71	-	8	4	-	
ALL COAL-----	-	11	-	-	-	-	3	-	-	1	2	4	-	-	25	10	1	35	10	-	6	4	-	627	200	-	136	82	-	8	4	-	
TENNESSEE-----	-	3	1	-	-	-	-	-	-	-	-	-	-	-	2	-	1	14	-	-	1	-	53	8	-	11	8	-	-	-	-	-	
TEXAS-----	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	34	17	-	5	21	-	1	-	-	-	
UTAH-----	-	-	2	-	-	-	-	-	-	-	-	-	-	-	14	2	-	5	2	-	-	-	69	25	-	15	22	-	-	-	-	-	
VIRGINIA-----	2	18	4	-	-	-	2	3	-	1	1	-	-	1	-	16	3	1	71	12	-	1	-	408	101	-	107	71	-	5	1	-	
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	-	1	5	-	-	-	-	-	
WEST VIRGINIA-----	1	42	4	-	-	1	1	3	-	2	-	-	6	-	-	40	7	5	145	34	-	7	-	946	159	-	226	135	-	13	1	-	
WYOMING-----	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-	15	26	-	4	16	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	2	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	1	-	-	-	-	-	62	13	-	14	11	-	-	-	-	-
BITUMINOUS-----	7	137	21	-	-	1	24	9	4	15	5	-	24	2	1	162	34	21	554	148	-	21	11	-	4,096	1,040	-	939	710	-	53	8	-
ALL COAL-----	7	139	21	-	-	1	24	9	4	15	6	2	24	2	1	162	34	21	555	148	-	21	11	-	4,158	1,053	-	953	721	-	53	8	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NDL	FTL	NFDL	NDL	FTL	NFDL	NDI	FTL	NFDL	NDI	FTL	NFDL	NDI	FTL	NFDL	NDI	FTL	NFDL	NDI	FTL	NFDL	NDI	FTL	NFDL	NDI	FTL	NFDL	NDI	FTL	NFDL	NDL
GRAND TOTAL:																																	
ALABAMA	-	60	9	-	-	1	-	4	-	-	-	-	-	-	-	-	61	30	-	105	14	-	12	7	-	6	4	-	5	2	-	524	198
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	2	-	-	-	-	-	-	-	-	-	-	-	12	1
ARIZONA	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	5	3	-	1	1	-	-	-	-	-	-	-	11	13
COLORADO	-	18	6	-	-	-	-	-	-	-	-	-	-	-	-	-	23	14	-	44	17	-	6	3	-	5	1	-	3	3	1	210	95
ILLINOIS	1	143	7	-	2	1	-	-	-	-	-	-	-	-	-	1	194	52	-	327	17	-	47	2	-	24	6	1	30	1	4	1,554	238
INDIANA	-	22	8	-	-	-	-	-	-	-	-	-	-	-	-	1	25	29	-	54	10	-	4	-	-	-	-	-	3	8	2	179	126
IOWA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	5	-
KANSAS	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	6	3
KENTUCKY	3	395	66	-	-	-	1	6	1	-	-	-	-	-	-	2	456	136	1	333	44	-	50	4	-	23	7	-	23	2	22	2,699	676
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	3	3
MARYLAND	-	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1	1	24	1	-	1	-	-	-	-	-	-	1	2	84	19
MISSOURI	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	8	1	-	-	-	1	-	-	-	1	1	-	24	10
MONTANA	-	1	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	5	-	5	6	-	-	-	-	-	-	-	1	1	-	20	24
NEW MEXICO	-	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	3	9	-	9	3	-	-	-	-	-	-	-	-	-	-	28	30
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
NORTH DAKOTA	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	2	2	-	3	-	-	-	-	-	1	1	2	21	29
OHIO	-	36	19	-	-	-	-	1	-	-	-	-	-	-	-	-	30	26	-	81	32	-	7	3	-	7	6	-	5	5	2	330	180
OKLAHOMA	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	-	6	3	-	1	-	-	-	-	-	-	2	1	40	20
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	12	1	-	-	-	-	-	-	-	-	-	-	-	-	-	25	8	-	68	3	-	3	-	-	-	-	-	4	1	2	191	38
BITUMINOUS	1	155	38	-	1	-	-	-	1	-	-	-	-	-	-	1	166	73	-	301	56	-	32	13	-	24	19	-	44	9	3	1,499	495
ALL COAL	1	167	39	-	1	-	-	-	1	-	-	-	-	-	-	1	191	81	-	369	59	-	35	13	-	24	19	-	48	10	5	1,690	533
TENNESSEE	-	25	3	-	-	-	-	-	-	-	-	-	-	-	-	-	24	2	-	16	3	-	6	-	-	-	-	2	-	1	-	157	26
TEXAS	1	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	9	14	-	22	6	-	3	-	-	-	-	-	1	2	1	85	68
UTAH	-	11	3	-	-	-	-	-	-	-	-	-	-	-	-	-	26	19	-	30	7	-	5	1	-	3	1	-	1	1	-	179	85
VIRGINIA	-	153	35	-	1	-	-	5	-	-	-	-	-	-	-	1	185	62	-	122	18	-	22	4	-	13	4	-	14	4	5	1,143	326
WASHINGTON	-	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	-	5	2	-	1	-	-	-	-	-	3	-	-	26	20
WEST VIRGINIA	2	327	52	-	1	-	-	1	-	-	-	-	-	-	-	2	371	113	-	468	58	-	68	5	-	37	10	-	46	3	10	2,747	585
WYOMING	-	5	2	-	-	-	-	-	-	-	-	-	-	-	-	1	9	17	-	25	3	-	2	-	-	-	-	-	1	1	1	63	66
TOTAL:																																	
ANTHRACITE	-	12	1	-	-	-	-	-	-	-	-	-	-	-	-	-	25	8	-	68	3	-	3	-	-	-	-	-	4	1	2	191	38
BITUMINOUS	9	1,394	265	-	5	3	1	17	2	-	-	-	-	-	-	1	1,611	621	3	1,998	307	-	271	44	-	143	59	1	185	47	57	11,649	3,338
ALL COAL	9	1,406	266	-	5	3	1	17	2	-	-	-	-	-	-	1	1,636	629	3	2,066	310	-	274	44	-	143	59	1	189	48	59	11,840	3,376

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, 1990

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
ALABAMA----		169										209		520				11,029		1,045		3,000
COLORADO----	6,000	23										493		89				1,672		243		
ILLINOIS----		58				11		12		247		261	6,000	3,870				15,084		1,964		390
INDIANA----													6,000					45		3		
KENTUCKY----	6,000	714			209	18,000	183		173		2,320	54,000	24,294				38,368		6,445		810	
MARYLAND----												6,000	10				469		112			
NEW MEXICO----																	2					
OHIO----	6,000	205							35				6,000	245			2,801		966			
OKLAHOMA----	6,000												25				4		2			
PENNSYLVANIA														1			1					
ANTHRACITE												1,099	6,000	1,924		12		22,669		4,716		314
BITUMINOUS		65			285				55		1,099	6,000	1,925		12		22,670		4,716		314	
ALL COAL----		65			285				55			51	6,000	2,852				1,603		52		
TENNESSEE----		16										260		46				2,296		269		
UTAH----												875	6,000	2,692				12,702		1,761		24
VIRGINIA----	6,000	405			10			5		125		1,199	30,000	12,005				29,001		4,927		698
WEST VIRGINIA		448						26										41		8		
WYOMING----																						
TOTAL:														1			1					
ANTHRACITE												6,767	126,000	48,572		12		137,786		22,513		5,236
BITUMINOUS	30,000	2,103			515	18,000	226		635		6,767	126,000	48,573		12		137,787		22,513		5,236	
ALL COAL	30,000	2,103			515	18,000	226		635		6,767	126,000	48,573		12		137,787		22,513		5,236	
SURFACE AT UG:																						
ALABAMA----															4		296		26			
COLORADO----																	46		138		2	
ILLINOIS----		209															1,452		195			
INDIANA----																	2		13			
KENTUCKY----		99									6,000	666					5,544		269			
MARYLAND----																	158					
NEW MEXICO----																						
OHIO----																	19		232			
PENNSYLVANIA																						
ANTHRACITE																	1					
BITUMINOUS																	1,500		83		47	
ALL COAL----																	1,501		83		47	
TENNESSEE----		2															24		94			
UTAH----																	357		71			
VIRGINIA----	6,000	14										100					939		208		16	
WEST VIRGINIA		1			51												2,714		160			
WYOMING----																	1					
TOTAL:																						
ANTHRACITE												6,000	766			4		13,052		1,489		65
BITUMINOUS	6,000	325			51						6,000	766			4		13,053		1,489		65	
ALL COAL	6,000	325			51						6,000	766			4		13,053		1,489		65	

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, 1990 (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-----	-	2,860	-	-	-	126	-	-	-	-	-	1,806	-	3,092	-	91	-	188	-	42	-	24,177
COLORADO-----	-	681	-	-	-	-	-	-	-	-	-	453	-	1,235	-	52	-	61	-	31	6,000	5,033
ILLINOIS-----	6,000	5,524	-	147	-	-	-	-	-	-	6,000	6,663	-	10,803	-	1,266	-	1,432	-	1,385	18,000	49,117
INDIANA-----	-	71	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-	-	-	-	6,000	143
KENTUCKY-----	12,000	21,666	-	-	-	10	-	-	-	-	12,000	18,246	-	10,395	-	1,062	-	332	-	1,198	102,000	126,425
MARYLAND-----	-	203	-	-	-	-	-	-	-	-	-	254	-	691	-	2	-	-	-	-	6,000	1,741
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	45	-	-	-	-	-	-	-	-	-	47
OHIO-----	-	1,182	-	-	-	-	-	-	-	-	-	429	-	1,416	-	69	-	196	-	17	12,000	7,561
OKLAHOMA-----	-	195	-	-	-	-	-	-	-	-	-	90	-	-	-	-	-	-	-	-	6,000	316
PENNSYLVANIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	406	-	-	-	-	-	-	-	-	-	22	-	98	-	-	-	-	-	-	-	528
BITUMINOUS-----	6,000	6,591	-	1	-	-	-	-	-	-	-	6,258	-	10,439	-	1,345	-	1,463	-	2,929	12,000	60,165
ALL COAL-----	6,000	6,997	-	1	-	-	-	-	-	-	-	6,280	-	10,537	-	1,345	-	1,463	-	2,929	12,000	60,693
TENNESSEE-----	-	3,893	-	-	-	-	-	-	-	-	-	1,003	-	369	-	11	-	-	-	1	6,000	9,851
UTAH-----	-	229	-	-	-	-	-	-	-	-	-	566	-	507	-	43	-	130	-	-	-	4,346
VIRGINIA-----	-	11,691	-	8	-	379	-	-	-	-	12,000	9,946	-	3,003	-	816	-	749	-	1,505	24,000	46,566
WEST VIRGINIA-----	12,000	12,947	-	3	-	-	-	-	-	-	12,000	13,542	-	12,281	-	1,204	-	460	-	1,363	54,000	90,208
WYOMING-----	-	-	-	-	-	-	-	-	-	-	6,000	166	-	138	-	-	-	-	-	-	6,000	379
TOTAL:																						
ANTHRACITE-----	-	406	-	-	-	-	-	-	-	-	-	22	-	98	-	-	-	-	-	-	-	528
BITUMINOUS-----	36,000	67,733	-	159	-	515	-	-	-	-	48,000	59,491	-	54,369	-	5,961	-	5,011	-	8,471	258,000	426,075
ALL COAL-----	36,000	68,139	-	159	-	515	-	-	-	-	48,000	59,513	-	54,467	-	5,961	-	5,011	-	8,471	258,000	426,603
SURFACE AT UG:																						
ALABAMA-----	-	76	-	-	-	-	-	-	-	-	-	6	-	415	-	36	-	-	-	-	-	859
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	12	-	1,255	-	-	-	-	-	-	-	1,453
ILLINOIS-----	-	101	-	-	-	-	-	-	-	-	-	132	-	1,061	-	213	-	-	-	3	-	3,366
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	27
KENTUCKY-----	-	968	-	-	-	-	-	-	-	-	-	213	-	1,236	-	12	-	-	-	39	6,000	9,046
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	160
NEW MEXICO-----	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
OHIO-----	-	137	-	-	-	-	-	-	-	-	-	-	-	73	-	-	-	-	-	93	-	554
PENNSYLVANIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	8
BITUMINOUS-----	-	175	-	-	-	-	-	-	-	-	-	-	-	328	-	-	-	3	-	19	-	2,155
ALL COAL-----	-	175	-	-	-	-	-	-	-	-	-	-	-	328	-	-	-	3	-	26	-	2,163
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	-	1	-	75	-	3	-	-	-	60	-	259
UTAH-----	-	180	-	-	-	-	-	-	-	-	-	-	-	313	-	-	-	-	-	2	-	923
VIRGINIA-----	-	501	-	-	-	-	-	-	-	-	-	69	-	442	-	-	-	-	-	-	6,000	2,289
WEST VIRGINIA-----	-	825	-	-	-	-	-	-	-	-	-	207	-	1,131	-	182	-	-	-	165	-	5,436
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-	37
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	8
BITUMINOUS-----	-	2,968	-	-	-	-	-	-	-	-	-	640	-	6,379	-	446	-	3	-	381	12,000	26,569
ALL COAL-----	-	2,968	-	-	-	-	-	-	-	-	-	640	-	6,379	-	446	-	3	-	388	12,000	26,577

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDTOOL		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 UNDERGROUND:																						
ALABAMA-----	-	169	-	-	-	-	-	-	-	-	209	-	520	-	4	-	11,325	-	1,071	-	3,000	-
COLORADO-----	6,000	23	-	-	-	-	-	-	-	-	493	-	89	-	-	-	1,718	-	381	-	2	-
ILLINOIS-----	-	267	-	-	-	11	-	12	-	247	-	261	6,000	3,870	-	-	16,536	-	2,159	-	390	-
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	6,000	-	-	-	47	-	16	-	-	-
KENTUCKY-----	6,000	813	-	-	-	209	18,000	183	-	173	6,000	2,986	54,000	24,294	-	-	43,912	-	6,714	-	810	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	6,000	10	-	-	627	-	112	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
OHIO-----	6,000	205	-	-	-	-	-	-	-	35	-	-	6,000	245	-	-	2,820	-	1,198	-	-	-
OKLAHOMA-----	6,000	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-	4	-	2	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-
BITUMINOUS-----	-	65	-	-	-	285	-	-	-	55	-	1,099	6,000	1,924	-	12	24,169	-	4,799	-	361	-
ALL COAL-----	-	65	-	-	-	285	-	-	-	55	-	1,099	6,000	1,925	-	12	24,171	-	4,799	-	361	-
TENNESSEE-----	-	18	-	-	-	-	-	-	-	-	-	51	6,000	2,852	-	-	1,627	-	146	-	-	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	260	-	46	-	-	2,653	-	340	-	-	-
VIRGINIA-----	12,000	419	-	-	-	10	-	-	-	-	-	975	6,000	2,692	-	-	13,641	-	1,969	-	40	-
WEST VIRGINIA-----	-	449	-	-	-	51	-	5	-	125	-	1,199	30,000	12,005	-	-	31,715	-	5,087	-	698	-
WYOMING-----	-	-	-	-	-	-	-	26	-	-	-	-	-	-	-	-	42	-	8	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-
BITUMINOUS-----	36,000	2,428	-	-	-	566	18,000	226	-	635	6,000	7,533	126,000	48,572	-	16	150,838	-	24,002	-	5,301	-
ALL COAL-----	36,000	2,428	-	-	-	566	18,000	226	-	635	6,000	7,533	126,000	48,573	-	16	150,840	-	24,002	-	5,301	-
SURFACE MINES:																						
STRIP:																						
ALABAMA-----	-	1	-	-	-	-	-	-	-	-	-	111	-	-	-	-	480	-	76	-	-	-
ALASKA-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	47	-	-	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-
COLORADO-----	-	3	-	-	-	-	-	-	-	6	-	-	-	-	-	-	226	-	3	-	-	-
ILLINOIS-----	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	24	913	-	183	-	-	-
INDIANA-----	-	85	-	-	-	-	-	-	-	74	-	-	-	-	-	165	689	-	436	-	20	-
IOWA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104	-	-	-	-	-
KANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-	-	-
KENTUCKY-----	-	130	-	-	-	103	6,000	97	-	3,004	-	207	-	-	-	98	4,427	-	497	-	-	-
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	41	-	10	-	-	-
MONTANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	615	-	149	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	132	-	11	-	-	-
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	-	13	-	2	-
OHIO-----	-	2	-	-	-	109	-	-	-	-	-	2	-	-	-	-	990	-	220	-	-	-
OKLAHOMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	231	-	157	-	1	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,268	-	196	-	-	-
BITUMINOUS-----	-	13	-	-	-	-	-	-	-	-	-	25	-	-	-	41	2,033	-	341	-	-	-
ALL COAL-----	-	41	-	-	-	-	-	-	-	-	-	25	-	-	-	41	3,301	-	537	-	-	-
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	339	-	114	-	-	-
TEXAS-----	-	14	-	-	-	-	-	-	-	17	-	-	-	-	-	-	425	-	28	-	3	-
VIRGINIA-----	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	275	-	14	-	-	-
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	15	-	-	-
WEST VIRGINIA-----	-	2	-	-	-	-	-	17	-	-	-	19	-	-	-	38	1,733	-	507	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-	482	-	51	-	-	-
TOTAL:																						
ANTHRACITE-----	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,268	-	196	-	-	-
BITUMINOUS-----	-	250	-	-	-	229	6,000	116	-	3,101	-	393	-	-	-	383	14,540	-	2,841	-	26	-
ALL COAL-----	-	278	-	-	-	229	6,000	116	-	3,101	-	393	-	-	-	383	15,808	-	3,037	-	26	-

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, 1990 (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	
	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL
TOTAL UNDERGROUND:																						
ALABAMA	-	2,936	-	-	-	126	-	-	-	-	-	1,812	-	3,507	-	127	-	188	-	42	-	25,036
COLORADO	-	681	-	-	-	-	-	-	-	-	-	465	-	2,490	-	52	-	61	-	31	6,000	6,486
ILLINOIS	6,000	5,625	-	147	-	-	-	-	-	-	6,000	6,795	-	11,864	-	1,479	-	1,432	-	1,388	18,000	52,483
INDIANA	-	71	-	-	-	-	-	-	-	-	-	24	-	12	-	-	-	-	-	-	6,000	170
KENTUCKY	12,000	22,634	-	-	-	10	-	-	-	-	12,000	18,459	-	11,631	-	1,074	-	332	-	1,237	108,000	135,471
MARYLAND	-	203	-	-	-	-	-	-	-	-	-	254	-	693	-	2	-	-	-	-	6,000	1,901
NEW MEXICO	-	5	-	-	-	-	-	-	-	-	-	45	-	-	-	-	-	-	-	-	-	52
OHIO	-	1,319	-	-	-	-	-	-	-	-	-	429	-	1,489	-	69	-	196	-	110	12,000	8,115
OKLAHOMA	-	195	-	-	-	-	-	-	-	-	-	90	-	-	-	-	-	-	-	-	6,000	316
PENNSYLVANIA:																						
ANTHRACITE	-	406	-	-	-	-	-	-	-	-	-	22	-	98	-	-	-	-	-	7	-	536
BITUMINOUS	6,000	6,766	-	1	-	-	-	-	-	-	-	6,258	-	10,767	-	1,345	-	1,466	-	2,948	12,000	62,320
ALL COAL	6,000	7,172	-	1	-	-	-	-	-	-	-	6,280	-	10,865	-	1,345	-	1,466	-	2,955	12,000	62,856
TENNESSEE	-	3,893	-	-	-	-	-	-	-	-	-	1,004	-	444	-	14	-	-	-	61	6,000	10,110
UTAH	-	409	-	-	-	-	-	-	-	-	-	566	-	820	-	43	-	130	-	2	-	5,269
VIRGINIA	-	12,192	-	8	-	379	-	-	-	-	12,000	10,015	-	3,445	-	816	-	749	-	1,505	30,000	48,855
WEST VIRGINIA	12,000	13,772	-	3	-	-	-	-	-	-	12,000	13,749	-	13,412	-	1,386	-	460	-	1,528	54,000	95,644
WYOMING	-	-	-	-	-	-	-	-	-	-	6,000	166	-	174	-	-	-	-	-	-	6,000	416
TOTAL:																						
ANTHRACITE	-	406	-	-	-	-	-	-	-	-	-	22	-	98	-	-	-	-	-	7	-	536
BITUMINOUS	36,000	70,701	-	159	-	515	-	-	-	-	48,000	60,131	-	60,748	-	6,407	-	5,014	-	8,852	270,000	452,644
ALL COAL	36,000	71,107	-	159	-	515	-	-	-	-	48,000	60,153	-	60,846	-	6,407	-	5,014	-	8,859	270,000	453,180
SURFACE MINES:																						
STRIP:																						
ALABAMA	-	31	-	-	-	-	-	-	-	-	-	353	-	3,519	-	35	-	-	-	6	-	4,612
ALASKA	-	-	-	-	-	-	-	-	-	-	-	4	-	36	-	-	-	-	-	6	-	95
ARIZONA	-	41	-	-	-	-	-	-	-	-	-	31	-	215	-	-	-	-	-	-	-	303
COLORADO	-	70	-	-	-	-	-	-	-	-	-	-	-	34	-	-	-	-	-	21	-	363
ILLINOIS	-	270	-	-	-	-	-	-	-	-	-	259	-	1,411	-	94	-	-	6,000	143	6,000	3,310
INDIANA	-	400	-	-	-	-	-	-	-	-	6,000	1,113	-	1,248	-	25	-	-	-	31	6,000	4,286
IOWA	-	11	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	118
KANSAS	-	57	-	-	-	-	-	-	-	-	-	-	-	305	-	-	-	-	-	-	-	405
KENTUCKY	6,000	6,198	-	-	-	29	-	-	-	-	-	1,691	-	4,217	-	81	-	7	-	52	12,000	20,838
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	6
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	6,000	42	-	-	-	-	-	-	6,000	42
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	115	-	297	-	-	-	3	-	-	-	468
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	431	-	-	-	-	-	2	-	1,197
NEW MEXICO	-	38	-	-	-	-	-	-	-	-	-	10	-	467	-	-	-	-	-	-	-	658
NORTH DAKOTA	6,000	69	-	-	-	-	-	-	-	-	-	-	6,000	73	-	44	-	-	-	2	12,000	315
OHIO	-	325	-	-	-	5	-	-	-	-	-	261	-	1,311	-	117	-	-	-	45	-	3,387
OKLAHOMA	-	146	-	-	-	-	-	-	-	-	-	5	-	98	-	17	-	-	-	-	-	655
PENNSYLVANIA:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	531	-	2,672	-	11	-	-	-	44	-	4,750
BITUMINOUS	-	290	-	-	-	-	-	-	-	-	6,000	809	-	3,834	-	248	-	25	-	286	6,000	7,945
ALL COAL	-	290	-	-	-	-	-	-	-	-	6,000	1,340	-	6,506	-	259	-	25	-	330	6,000	12,695
TENNESSEE	-	178	-	-	-	-	-	-	-	-	-	2	-	29	-	23	-	-	-	-	-	702
TEXAS	6,000	106	-	-	-	-	-	-	-	-	-	95	-	314	-	23	-	-	-	1	6,000	1,026
VIRGINIA	-	200	-	-	-	6	-	-	-	-	-	293	-	480	-	11	-	-	-	2	-	1,284
WASHINGTON	-	251	-	-	-	-	-	-	-	-	-	166	-	124	-	1	-	-	-	143	-	900
WEST VIRGINIA	-	4,740	-	-	-	146	-	-	-	-	-	575	-	3,027	-	179	-	1	-	210	-	11,194
WYOMING	-	434	-	-	-	-	-	-	-	-	-	606	-	567	-	41	-	-	-	2	-	2,211
TOTAL:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	531	-	2,672	-	11	-	-	-	44	-	4,750
BITUMINOUS	18,000	13,855	-	-	-	186	-	-	-	-	12,000	6,391	-	22,082	-	939	-	36	6,000	952	54,000	66,320
ALL COAL	18,000	13,855	-	-	-	186	-	-	-	-	12,000	6,922	-	24,754	-	950	-	36	6,000	996	54,000	71,070

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL
AUGER:																						
KENTUCKY -----	-	-	-	-	-	-	-	-	-	-	-	42	-	-	-	-	16	-	2	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	95	-	-	-	-	199	-	-	-	-	-
WEST VIRGINIA --	-	-	-	-	-	-	-	-	-	-	-	178	-	-	-	-	10	-	40	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	315	-	-	-	-	225	-	42	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	315	-	-	-	-	225	-	42	-	-	-
CULM BANK:																						
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	240	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	240	-	-	-
WEST VIRGINIA --	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-	31	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	240	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	31	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	271	-	-	-
DREDGE:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
WEST VIRGINIA --	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-

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, 1990 (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
AUGER:																						
KENTUCKY-----	-	21	-	-	-	-	-	-	-	-	-	60	-	50	-	-	-	-	-	-	-	131
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	60	-	1,221	-	-	-	-	-	283	-	1,858
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	5	-	64	-	-	-	-	-	155	-	452
TOTAL:																						
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS----	-	21	-	-	-	-	-	-	-	-	-	65	-	1,335	-	-	-	-	-	438	-	2,441
ALL COAL-----	-	21	-	-	-	-	-	-	-	-	-	65	-	1,335	-	-	-	-	-	438	-	2,441
CULM BANK:																						
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-	-	-	19
PENNSYLVANIA:																						
ANTHRACITE----	-	46	-	-	-	-	-	-	-	-	-	111	-	529	-	-	-	-	-	-	-	942
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	14
ALL COAL-----	-	46	-	-	-	-	-	-	-	-	-	113	-	529	-	-	-	-	-	-	-	956
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	224	-	-	-	-	-	-	-	280
TOTAL:																						
ANTHRACITE----	-	46	-	-	-	-	-	-	-	-	-	111	-	529	-	-	-	-	-	-	-	942
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	-	21	-	224	-	-	-	-	-	-	-	313
ALL COAL-----	-	46	-	-	-	-	-	-	-	-	-	132	-	753	-	-	-	-	-	-	-	1,255
DREDGE:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
TOTAL:																						
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL SURFACE:																						
ALABAMA-----	-	1	-	-	-	-	-	-	-	-	111	-	-	-	-	-	482	-	76	-	-	
ALASKA-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	47	-	-	-	-	
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	
COLORADO-----	-	3	-	-	-	-	-	-	-	6	-	-	-	-	-	-	226	-	3	-	-	
ILLINOIS-----	-	-	-	-	-	13	-	-	-	-	-	-	-	-	24	-	913	-	183	-	-	
INDIANA-----	-	85	-	-	-	-	-	-	-	74	-	-	-	-	165	-	689	-	436	-	20	
IOWA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104	-	-	-	-	
KANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-	-	
KENTUCKY-----	-	130	-	-	-	103	6,000	97	-	3,004	-	249	-	-	98	-	4,461	-	499	-	-	
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MISSOURI-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	41	-	10	-	-	
MONTANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	615	-	149	-	-	
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	132	-	11	-	-	
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	-	13	-	2	
OHIO-----	-	2	-	-	-	109	-	-	-	-	97	-	-	-	-	-	1,189	-	220	-	-	
OKLAHOMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	231	-	157	-	1	
PENNSYLVANIA:																						
ANTHRACITE-----	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,284	-	436	-	-	
BITUMINOUS-----	-	13	-	-	-	-	-	-	-	-	25	-	-	-	41	-	2,045	-	341	-	-	
ALL COAL-----	-	41	-	-	-	-	-	-	-	-	25	-	-	-	41	-	3,329	-	777	-	-	
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	339	-	114	-	-	
TEXAS-----	-	14	-	-	-	-	-	-	-	17	-	-	-	-	-	-	425	-	28	-	3	
VIRGINIA-----	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	275	-	14	-	-	
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	15	-	-	
WEST VIRGINIA-----	-	2	-	-	-	-	-	17	-	-	-	197	-	-	38	-	1,776	-	578	-	-	
WYOMING-----	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-	482	-	51	-	-	
TOTAL:																						
ANTHRACITE-----	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,284	-	436	-	-	
BITUMINOUS-----	-	250	-	-	-	229	6,000	116	-	3,101	-	708	-	-	383	-	14,830	-	2,914	-	26	
ALL COAL-----	-	278	-	-	-	229	6,000	116	-	3,101	-	708	-	-	383	-	16,114	-	3,350	-	26	

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL SURFACE:																						
ALABAMA-----	-	31	-	-	-	-	-	-	-	-	-	353	-	3,519	-	35	-	-	-	6	-	4,614
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	4	-	36	-	-	-	-	-	6	-	95
ARIZONA-----	-	41	-	-	-	-	-	-	-	-	-	31	-	215	-	-	-	-	-	-	-	303
COLORADO-----	-	70	-	-	-	-	-	-	-	-	-	-	-	34	-	-	-	-	-	21	-	363
ILLINOIS-----	-	270	-	-	-	-	-	-	-	-	-	278	-	1,411	-	94	-	-	6,000	143	6,000	3,329
INDIANA-----	-	400	-	-	-	-	-	-	-	-	6,000	1,113	-	1,248	-	25	-	-	-	31	6,000	4,286
IOWA-----	-	11	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	118
KANSAS-----	-	57	-	-	-	-	-	-	-	-	-	-	-	305	-	-	-	-	-	-	-	405
KENTUCKY-----	6,000	6,219	-	-	-	29	-	-	-	-	-	1,691	-	4,267	-	81	-	7	-	52	12,000	20,987
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	6
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	6,000	42	-	-	-	-	-	-	6,000	42
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	115	-	297	-	-	-	3	-	-	-	468
MONTANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	431	-	-	-	-	-	2	-	1,197
NEW MEXICO-----	-	38	-	-	-	-	-	-	-	-	-	10	-	467	-	-	-	-	-	-	-	658
NORTH DAKOTA-----	6,000	69	-	-	-	-	-	-	-	-	-	-	6,000	73	-	44	-	-	-	2	12,000	315
OHIO-----	-	325	-	-	-	5	-	-	-	-	-	321	-	2,532	-	117	-	-	-	328	-	5,245
OKLAHOMA-----	-	146	-	-	-	-	-	-	-	-	-	5	-	98	-	17	-	-	-	-	-	655
PENNSYLVANIA:																						
ANTHRACITE-----	-	46	-	-	-	-	-	-	-	-	-	642	-	3,201	-	11	-	-	-	44	-	5,692
BITUMINOUS-----	-	290	-	-	-	-	-	-	-	-	6,000	811	-	3,834	-	248	-	25	-	286	6,000	7,959
ALL COAL-----	-	336	-	-	-	-	-	-	-	-	6,000	1,453	-	7,035	-	259	-	25	-	330	6,000	13,651
TENNESSEE-----	-	178	-	-	-	-	-	-	-	-	-	2	-	29	-	23	-	-	-	-	-	702
TEXAS-----	6,000	106	-	-	-	-	-	-	-	-	-	95	-	314	-	23	-	-	-	1	6,000	1,026
VIRGINIA-----	-	200	-	-	-	6	-	-	-	-	-	293	-	480	-	11	-	-	-	2	-	1,284
WASHINGTON-----	-	251	-	-	-	-	-	-	-	-	-	166	-	124	-	1	-	-	-	143	-	900
WEST VIRGINIA-----	-	4,740	-	-	-	146	-	-	-	-	-	580	-	3,315	-	179	-	1	-	365	-	11,934
WYOMING-----	-	434	-	-	-	-	-	-	-	-	-	606	-	567	-	41	-	-	-	2	-	2,211
TOTAL:																						
ANTHRACITE-----	-	46	-	-	-	-	-	-	-	-	-	642	-	3,201	-	11	-	-	-	44	-	5,692
BITUMINOUS-----	18,000	13,876	-	-	-	186	-	-	-	-	12,000	6,477	12,000	23,641	-	939	-	36	6,000	1,390	54,000	69,102
ALL COAL-----	18,000	13,922	-	-	-	186	-	-	-	-	12,000	7,119	12,000	26,842	-	950	-	36	6,000	1,434	54,000	74,794

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINING:																						
ALABAMA-----	-	170	-	-	-	-	-	-	-	-	-	320	-	520	-	4	-	11,807	-	1,147	-	3,000
ALASKA-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	47	-	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-
COLORADO-----	6,000	26	-	-	-	-	-	-	-	6	-	493	-	89	-	-	-	1,944	-	384	-	2
ILLINOIS-----	-	267	-	-	-	24	-	12	-	247	-	261	6,000	3,870	-	24	-	17,449	-	2,342	-	390
INDIANA-----	-	85	-	-	-	-	-	-	-	74	-	-	6,000	-	-	165	-	736	-	452	-	20
IOWA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104	-	-	-	-
KANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-	-
KENTUCKY-----	6,000	943	-	-	-	312	24,000	280	-	3,177	6,000	3,235	54,000	24,294	-	98	-	48,373	-	7,213	-	810
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	6,000	10	-	-	-	627	-	112	-	-
MISSOURI-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	41	-	10	-	-
MONTANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	615	-	149	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	134	-	11	-	-
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	-	-	-	2
OHIO-----	6,000	207	-	-	-	109	-	-	-	35	-	97	6,000	245	-	-	-	4,009	-	1,418	-	-
OKLAHOMA-----	6,000	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-	-	235	-	159	-	1
PENNSYLVANIA:																						
ANTHRACITE-----	-	28	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1,286	-	436	-	-
BITUMINOUS-----	-	78	-	-	-	285	-	-	-	55	-	1,124	6,000	1,924	-	53	-	26,214	-	5,140	-	361
ALL COAL-----	-	106	-	-	-	285	-	-	-	55	-	1,124	6,000	1,925	-	53	-	27,500	-	5,576	-	361
TENNESSEE-----	-	18	-	-	-	-	-	-	-	-	-	51	6,000	2,852	-	17	-	1,966	-	260	-	-
TEXAS-----	-	14	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	425	-	28	-	3
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	260	-	46	-	-	-	2,653	-	340	-	-
VIRGINIA-----	12,000	419	-	-	-	10	-	2	-	-	-	976	6,000	2,692	-	-	-	13,916	-	1,983	-	40
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	15	-	-
WEST VIRGINIA-----	-	451	-	-	-	51	-	22	-	125	-	1,396	30,000	12,005	-	38	-	33,491	-	5,665	-	698
WYOMING-----	-	-	-	-	-	-	-	26	-	-	-	28	-	-	-	-	-	524	-	59	-	-
TOTAL:																						
ANTHRACITE-----	-	28	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1,286	-	436	-	-
BITUMINOUS-----	36,000	2,678	-	-	-	795	24,000	342	-	3,736	6,000	8,241	126,000	48,572	-	399	-	165,668	-	26,916	-	5,327
ALL COAL-----	36,000	2,706	-	-	-	795	24,000	342	-	3,736	6,000	8,241	126,000	48,573	-	399	-	166,954	-	27,352	-	5,327
INDEPENDENT SHOPS:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	156	-	212	-	-
INDIANA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	-	48	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	290	-	9	-	-
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	147	-	32	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-
BITUMINOUS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	752	-	325	-	-
ALL COAL-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	772	-	325	-	-

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINING:																						
ALABAMA-----	-	2,967	-	-	-	126	-	-	-	-	-	2,165	-	7,026	-	162	-	188	-	48	-	29,650
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	4	-	36	-	-	-	-	-	6	-	95
ARIZONA-----	-	41	-	-	-	-	-	-	-	-	-	31	-	215	-	-	-	-	-	-	-	303
COLORADO-----	-	751	-	-	-	-	-	-	-	-	-	465	-	2,524	-	52	-	61	-	52	6,000	6,849
ILLINOIS-----	6,000	5,895	-	147	-	-	-	-	-	-	6,000	7,073	-	13,275	-	1,573	-	1,432	6,000	1,531	24,000	55,812
INDIANA-----	-	471	-	-	-	-	-	-	-	-	6,000	1,137	-	1,260	-	25	-	-	-	31	12,000	4,456
IOWA-----	-	11	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	118
KANSAS-----	-	57	-	-	-	-	-	-	-	-	-	-	-	305	-	-	-	-	-	-	-	405
KENTUCKY-----	18,000	28,853	-	-	-	39	-	-	-	-	12,000	20,150	-	15,898	-	1,155	-	339	-	1,289	120,000	156,458
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	6
MARYLAND-----	-	203	-	-	-	-	-	-	-	-	-	254	6,000	735	-	2	-	-	-	-	12,000	1,943
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	115	-	297	-	-	-	3	-	-	-	468
MONTANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	431	-	-	-	-	-	2	-	1,197
NEW MEXICO-----	-	43	-	-	-	-	-	-	-	-	-	55	-	467	-	-	-	-	-	-	-	710
NORTH DAKOTA-----	6,000	69	-	-	-	-	-	-	-	-	-	-	6,000	73	-	44	-	-	-	2	12,000	315
OHIO-----	-	1,644	-	-	-	5	-	-	-	-	-	750	-	4,021	-	186	-	196	-	438	12,000	13,360
OKLAHOMA-----	-	341	-	-	-	-	-	-	-	-	-	95	-	98	-	17	-	-	-	-	6,000	971
PENNSYLVANIA:																						
ANTHRACITE-----	-	452	-	-	-	-	-	-	-	-	-	664	-	3,299	-	11	-	-	-	51	-	6,228
BITUMINOUS-----	6,000	7,056	-	1	-	-	-	-	-	-	6,000	7,069	-	14,601	-	1,593	-	1,491	-	3,234	18,000	70,279
ALL COAL-----	6,000	7,508	-	1	-	-	-	-	-	-	6,000	7,733	-	17,900	-	1,604	-	1,491	-	3,285	18,000	76,507
TENNESSEE-----	-	4,071	-	-	-	-	-	-	-	-	-	1,006	-	473	-	37	-	-	-	1	6,000	10,812
TEXAS-----	6,000	106	-	-	-	-	-	-	-	-	-	95	-	314	-	23	-	-	-	6	6,000	1,026
UTAH-----	-	409	-	-	-	-	-	-	-	-	-	566	-	820	-	43	-	130	-	2	-	5,269
VIRGINIA-----	-	12,392	-	8	-	385	-	-	-	-	12,000	10,308	-	3,925	-	827	-	749	-	1,507	30,000	50,139
WASHINGTON-----	-	251	-	-	-	-	-	-	-	-	-	166	-	124	-	1	-	-	-	143	-	900
WEST VIRGINIA-----	12,000	18,512	-	3	-	146	-	-	-	-	12,000	14,329	-	16,727	-	1,565	-	461	-	1,893	54,000	107,578
WYOMING-----	-	434	-	-	-	-	-	-	-	-	6,000	772	-	741	-	41	-	-	-	2	6,000	2,627
TOTAL:																						
ANTHRACITE-----	-	452	-	-	-	-	-	-	-	-	-	664	-	3,299	-	11	-	-	-	51	-	6,228
BITUMINOUS-----	54,000	84,577	-	159	-	701	-	-	-	-	60,000	66,608	12,000	84,389	-	7,346	-	5,050	6,000	10,242	324,000	521,746
ALL COAL-----	54,000	85,029	-	159	-	701	-	-	-	-	60,000	67,272	12,000	87,688	-	7,357	-	5,050	6,000	10,293	324,000	527,974
INDEPENDENT SHOPS:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	3	-	-	-	35	-	103
ILLINOIS-----	-	9	-	-	-	-	-	-	-	-	-	1	-	446	-	-	-	80	-	6	-	910
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	29	-	10	-	-	-	-	-	-	-	45
KENTUCKY-----	-	1	-	-	6,000	-	-	-	-	-	-	-	-	11	-	-	-	52	-	-	6,000	176
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95
PENNSYLVANIA:																						
ANTHRACITE-----	-	199	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	222
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL-----	-	199	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	222
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	312
WEST VIRGINIA-----	-	47	-	-	-	-	-	-	-	-	-	13	-	106	-	-	-	-	-	-	-	345
TOTAL:																						
ANTHRACITE-----	-	199	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	222
BITUMINOUS-----	-	57	-	-	6,000	-	-	-	-	-	-	43	-	632	-	3	-	132	-	41	6,000	1,986
ALL COAL-----	-	256	-	-	6,000	-	-	-	-	-	-	46	-	632	-	3	-	132	-	41	6,000	2,208

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDTOOL		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-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	-	54	-	-	-
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	153	-	14	-	-	-
ILLINOIS-----	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,192	-	657	-	-	-
INDIANA-----	-	-	-	-	-	-	-	-	-	40	-	-	-	-	-	-	231	-	315	-	-	-
KENTUCKY-----	-	22	-	-	-	4	-	-	-	-	-	-	-	-	-	-	3,335	-	483	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	-	-	-	-	-
MISSOURI-----	-	-	-	-	-	63	-	-	-	-	-	-	-	-	-	-	38	-	180	-	-	-
MONTANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	58	-	-	-	-	-	-	45	-	-	-	201	-
OKLAHOMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	71	-	-	-	-	-	-	12,000	-	-	-	-	-	-	-	6,750	-	415	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,660	-	57	-	42	-
ALL COAL-----	-	71	-	-	-	-	-	-	12,000	-	-	-	-	-	-	-	8,410	-	472	-	42	-
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	1	-	-	-
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	1	-	-	-
VIRGINIA-----	-	50	-	-	-	26	-	-	-	-	-	-	-	-	-	-	1,022	-	898	-	8	-
WEST VIRGINIA-----	6,000	17	-	-	-	-	-	-	-	-	-	-	-	-	33	-	2,987	-	642	-	420	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:																						
ANTHRACITE-----	-	71	-	-	-	-	-	-	12,000	-	-	-	-	-	-	-	6,750	-	415	-	-	-
BITUMINOUS-----	6,000	106	-	-	-	93	-	-	-	98	-	-	-	-	33	-	11,004	-	3,302	-	671	-
ALL COAL-----	6,000	177	-	-	-	93	-	-	12,000	98	-	-	-	-	33	-	17,754	-	3,717	-	671	-

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, 1990 (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-----	-	289	-	-	-	-	-	-	-	-	-	10	-	85	-	-	-	-	-	-	-	533
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	6	-	3	-	-	-	-	-	-	-	12
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	5	-	-	-	-	-	9
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	219
ILLINOIS-----	-	259	-	-	-	-	-	-	-	-	-	142	-	524	-	45	-	30	-	183	-	3,047
INDIANA-----	-	346	-	-	-	-	-	-	-	-	-	3,001	-	109	-	-	-	-	-	-	-	4,042
KENTUCKY-----	-	4,122	-	-	-	193	-	-	-	-	-	496	6,000	5,356	-	141	-	5	-	28	6,000	14,185
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	118
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-	-	-	-	1	-	344
MONTANA-----	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49
NEW MEXICO-----	-	3,000	-	-	-	-	-	-	-	-	-	42	-	-	-	-	-	-	-	-	-	3,049
OHIO-----	-	15	-	-	-	-	-	-	-	-	-	19	-	82	-	-	-	-	-	-	-	420
OKLAHOMA-----	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
PENNSYLVANIA:																						
ANTHRACITE-----	-	183	-	-	-	-	-	-	-	-	-	97	-	1,154	-	12	-	-	-	56	12,000	8,738
BITUMINOUS-----	-	121	-	-	-	-	-	-	-	-	-	297	-	974	-	-	-	115	-	48	-	3,314
ALL COAL-----	-	304	-	-	-	-	-	-	-	-	-	394	-	2,128	-	12	-	115	-	104	12,000	12,052
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	181	-	-	-	-	-	-	-	210
TEXAS-----	-	382	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	424
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	48	-	-	-	-	-	135
VIRGINIA-----	-	133	-	-	-	20	-	-	-	-	-	91	-	1,071	-	-	-	-	-	23	-	3,342
WEST VIRGINIA-----	-	901	-	-	-	-	-	-	-	-	-	502	-	2,465	-	112	-	27	-	468	6,000	8,574
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	111	-	-	-	-	-	-	-	111
TOTAL:																						
ANTHRACITE-----	-	183	-	-	-	-	-	-	-	-	-	97	-	1,154	-	12	-	-	-	56	12,000	8,738
BITUMINOUS-----	-	9,614	-	-	-	213	-	-	-	-	-	4,606	6,000	11,132	-	351	-	177	-	751	12,000	42,151
ALL COAL-----	-	9,797	-	-	-	213	-	-	-	-	-	4,703	6,000	12,286	-	363	-	177	-	807	24,000	50,889

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDTOOL		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 PLNTS:																						
ALABAMA-----	-	170	-	-	-	-	-	-	-	-	-	320	-	520	-	4	-	11,902	-	1,220	-	3,000
ALASKA-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-
COLORADO-----	6,000	28	-	-	-	-	-	-	6	-	493	-	89	-	-	-	2,097	-	398	-	2	-
ILLINOIS-----	-	282	-	-	-	24	-	12	-	247	-	261	6,000	3,870	-	24	-	18,797	-	3,211	-	390
INDIANA-----	-	86	-	-	-	-	-	-	-	114	-	-	6,000	-	-	165	-	967	-	772	-	20
IOWA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104	-	-	-	-
KANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-	-
KENTUCKY-----	6,000	965	-	-	-	316	24,000	280	-	3,177	6,000	3,235	54,000	24,294	-	98	-	51,772	-	7,744	-	810
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	6,000	10	-	-	-	739	-	112	-	-
MISSOURI-----	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	79	-	190	-	-
MONTANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	632	-	149	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	141	-	11	-	-
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	-	13	-	2
OHIO-----	6,000	207	-	-	-	109	-	-	-	93	-	97	6,000	245	-	-	-	4,149	-	1,418	-	201
OKLAHOMA-----	6,000	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-	-	235	-	159	-	1
PENNSYLVANIA:																						
ANTHRACITE-----	-	99	-	-	-	-	-	-	12,000	-	-	-	-	1	-	-	-	8,056	-	851	-	-
BITUMINOUS-----	-	78	-	-	-	285	-	-	55	-	1,124	6,000	1,924	-	53	-	27,874	-	5,197	-	403	
ALL COAL-----	-	177	-	-	-	285	-	-	55	-	1,124	6,000	1,925	-	53	-	35,930	-	6,048	-	403	
TENNESSEE-----	-	18	-	-	-	-	-	-	-	-	51	6,000	2,852	-	17	-	1,994	-	261	-	-	-
TEXAS-----	-	14	-	-	-	-	-	-	-	17	-	-	-	-	-	-	455	-	28	-	3	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	260	-	46	-	-	2,702	-	341	-	-	-
VIRGINIA-----	12,000	469	-	-	-	36	-	2	-	-	-	976	6,000	2,692	-	-	15,228	-	2,890	-	48	-
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	15	-	-	-
WEST VIRGINIA-----	6,000	468	-	-	-	51	-	22	-	125	-	1,396	30,000	12,005	-	71	-	36,625	-	6,339	-	1,118
WYOMING-----	-	-	-	-	-	-	-	26	-	-	-	28	-	-	-	-	524	-	59	-	-	-
TOTAL:																						
ANTHRACITE-----	-	99	-	-	-	-	-	-	12,000	-	-	-	-	1	-	-	-	8,056	-	851	-	-
BITUMINOUS-----	42,000	2,785	-	-	-	888	24,000	342	3,834	6,000	8,241	126,000	48,572	-	432	-	177,424	-	30,543	-	5,998	
ALL COAL-----	42,000	2,884	-	-	-	888	24,000	342	12,000	3,834	6,000	8,241	126,000	48,573	-	432	-	185,480	-	31,394	-	5,998
OFFICE:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
WEST VIRGINIA-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86	-	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	108	-	-	-	-
ALL COAL-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	108	-	-	-	-

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINES AND PLNTS:																						
ALABAMA-----	-	3,256	-	-	-	126	-	-	-	-	-	2,175	-	7,157	-	185	-	188	-	83	-	30,286
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	10	-	39	-	-	-	-	-	6	-	107
ARIZONA-----	-	41	-	-	-	-	-	-	-	-	-	31	-	219	-	5	-	-	-	-	-	312
COLORADO-----	-	751	-	-	-	-	-	-	-	-	-	465	-	2,574	-	52	-	61	-	52	6,000	7,068
ILLINOIS-----	6,000	6,163	-	147	-	-	-	-	-	-	6,000	7,216	-	14,245	-	1,618	-	1,542	6,000	1,720	24,000	59,769
INDIANA-----	-	817	-	-	-	-	-	-	-	-	6,000	4,167	-	1,379	-	25	-	-	-	31	12,000	8,543
IOWA-----	-	11	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	118
KANSAS-----	-	57	-	-	-	-	-	-	-	-	-	-	-	305	-	-	-	-	-	-	-	405
KENTUCKY-----	18,000	32,976	-	-	6,000	232	-	-	-	-	12,000	20,646	6,000	21,265	-	1,296	-	396	-	1,317	132,000	170,819
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	6
MARYLAND-----	-	203	-	-	-	-	-	-	-	-	-	254	6,000	741	-	2	-	-	-	-	12,000	2,061
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	115	-	359	-	-	3	-	-	-	-	812
MONTANA-----	-	32	-	-	-	-	-	-	-	-	-	-	-	431	-	-	-	-	-	2	-	1,246
NEW MEXICO-----	-	3,043	-	-	-	-	-	-	-	-	-	97	-	467	-	-	-	-	-	-	-	3,759
NORTH DAKOTA-----	6,000	69	-	-	-	-	-	-	-	-	-	-	6,000	73	-	44	-	-	-	2	12,000	315
OHIO-----	-	1,659	-	-	-	5	-	-	-	-	-	769	-	4,103	-	186	-	196	-	438	12,000	13,875
OKLAHOMA-----	-	355	-	-	-	-	-	-	-	-	-	95	-	98	-	17	-	-	-	-	6,000	985
PENNSYLVANIA:																						
ANTHRACITE-----	-	834	-	-	-	-	-	-	-	-	-	764	-	4,453	-	23	-	-	-	107	12,000	15,188
BITUMINOUS-----	6,000	7,177	-	1	-	-	-	-	-	-	6,000	7,366	-	15,575	-	1,593	-	1,606	-	3,282	18,000	73,593
ALL COAL-----	6,000	8,011	-	1	-	-	-	-	-	-	6,000	8,130	-	20,028	-	1,616	-	1,606	-	3,389	30,000	88,781
TENNESSEE-----	-	4,071	-	-	-	-	-	-	-	-	-	1,006	-	654	-	37	-	-	-	61	6,000	11,022
TEXAS-----	6,000	488	-	-	-	-	-	-	-	-	-	95	-	326	-	23	-	-	-	1	6,000	1,450
UTAH-----	-	409	-	-	-	-	-	-	-	-	-	566	-	857	-	91	-	130	-	2	-	5,404
VIRGINIA-----	-	12,525	-	8	-	405	-	-	-	-	12,000	10,399	-	5,009	-	827	-	749	-	1,530	30,000	53,793
WASHINGTON-----	-	251	-	-	-	-	-	-	-	-	-	166	-	124	-	1	-	-	-	143	-	900
WEST VIRGINIA-----	12,000	19,460	-	3	-	146	-	-	-	-	12,000	14,844	-	19,298	-	1,677	-	488	-	2,361	60,000	116,497
WYOMING-----	-	434	-	-	-	-	-	-	-	-	6,000	772	-	852	-	41	-	-	-	2	6,000	2,738
TOTAL:																						
ANTHRACITE-----	-	834	-	-	-	-	-	-	-	-	-	764	-	4,453	-	23	-	-	-	107	12,000	15,188
BITUMINOUS-----	54,000	94,248	-	159	6,000	914	-	-	-	-	60,000	71,257	18,000	96,153	-	7,700	-	5,359	6,000	11,034	342,000	565,883
ALL COAL-----	54,000	95,082	-	159	6,000	914	-	-	-	-	60,000	72,021	18,000	100,606	-	7,723	-	5,359	6,000	11,141	354,000	581,071
OFFICE:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-	-	-	-	-	41
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	57	-	146
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-	-	-	-	-	57	-	211
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-	-	-	-	-	57	-	211

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDTOOL		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-----	-	170	-	-	-	-	-	-	-	-	320	-	520	-	4	-	11,903	-	1,220	-	3,000	-	
ALASKA-----	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-	
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	
COLORADO-----	6,000	28	-	-	-	-	-	-	6	-	493	-	89	-	-	-	2,097	-	398	-	2	-	
ILLINOIS-----	-	282	-	-	-	24	-	12	247	-	261	6,000	3,870	-	24	-	18,797	-	3,211	-	390	-	
INDIANA-----	-	86	-	-	-	-	-	-	114	-	-	6,000	-	-	165	-	967	-	772	-	20	-	
IOWA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104	-	-	-	-	-	
KANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-	-	-	
KENTUCKY-----	6,000	965	-	-	-	316	24,000	280	3,177	6,000	3,235	54,000	24,294	-	98	-	51,788	-	7,744	-	810	-	
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	6,000	10	-	-	-	739	-	112	-	-	-	
MISSOURI-----	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	79	-	190	-	-	-	
MONTANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	632	-	149	-	-	-	
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	141	-	11	-	-	-	
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	-	13	-	2	-	
OHIO-----	6,000	207	-	-	-	109	-	-	93	-	97	6,000	245	-	-	-	4,153	-	1,418	-	201	-	
OKLAHOMA-----	6,000	-	-	-	-	-	-	-	-	-	-	-	25	-	-	-	235	-	159	-	1	-	
PENNSYLVANIA:																							
ANTHRACITE-----	-	99	-	-	-	-	-	-	12,000	-	-	-	1	-	-	-	8,056	-	851	-	-	-	
BITUMINOUS-----	-	78	-	-	-	285	-	-	55	1,124	6,000	1,924	-	53	-	27,874	-	5,197	-	403	-	-	
ALL COAL-----	-	177	-	-	-	285	-	-	55	1,124	6,000	1,925	-	53	-	35,930	-	6,048	-	403	-	-	
TENNESSEE-----	-	18	-	-	-	-	-	-	-	51	6,000	2,852	-	17	-	1,994	-	261	-	-	-	-	
TEXAS-----	-	14	-	-	-	-	-	-	17	-	-	-	-	-	-	455	-	28	-	3	-	-	
UTAH-----	-	-	-	-	-	-	-	-	-	260	-	46	-	-	-	2,703	-	341	-	-	-	-	
VIRGINIA-----	12,000	469	-	-	-	36	-	2	-	976	6,000	2,692	-	-	-	15,228	-	2,890	-	48	-	-	
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	15	-	-	-	-	
WEST VIRGINIA-----	6,000	470	-	-	-	51	-	22	125	-	1,396	30,000	12,005	-	71	-	36,711	-	6,339	-	1,118	-	
WYOMING-----	-	-	-	-	-	-	-	26	-	-	28	-	-	-	-	-	524	-	59	-	-	-	
TOTAL :																							
ANTHRACITE-----	-	99	-	-	-	-	-	-	12,000	-	-	-	1	-	-	-	8,056	-	851	-	-	-	
BITUMINOUS-----	42,000	2,787	-	-	-	888	24,000	342	3,834	6,000	8,241	126,000	48,572	-	432	-	177,532	-	30,543	-	5,998	-	
ALL COAL-----	42,000	2,886	-	-	-	888	24,000	342	12,000	3,834	6,000	8,241	126,000	48,573	-	432	-	185,588	-	31,394	-	5,998	-

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, 1990 (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-----	-	3,256	-	-	-	126	-	-	-	-	-	2,175	-	7,157	-	165	-	188	-	83	-	30,287
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	10	-	39	-	-	-	-	-	6	-	107
ARIZONA-----	-	41	-	-	-	-	-	-	-	-	-	31	-	219	-	5	-	-	-	-	-	312
COLORADO-----	-	751	-	-	-	-	-	-	-	-	-	465	-	2,574	-	52	-	61	-	52	6,000	7,068
ILLINOIS-----	6,000	6,163	-	147	-	-	-	-	-	-	6,000	7,216	-	14,286	-	1,618	-	1,542	6,000	1,720	24,000	59,810
INDIANA-----	-	817	-	-	-	-	-	-	-	-	6,000	4,167	-	1,379	-	25	-	-	-	31	12,000	8,543
IOWA-----	-	11	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	118
KANSAS-----	-	57	-	-	-	-	-	-	-	-	-	-	-	305	-	-	-	-	-	-	-	405
KENTUCKY-----	18,000	32,976	-	-	6,000	232	-	-	-	-	12,000	20,646	6,000	21,265	-	1,296	-	396	-	1,317	132,000	170,835
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	6
MARYLAND-----	-	203	-	-	-	-	-	-	-	-	-	254	6,000	741	-	2	-	-	-	-	12,000	2,061
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	115	-	359	-	-	3	-	-	1	-	812
MONTANA-----	-	32	-	-	-	-	-	-	-	-	-	-	-	431	-	-	-	-	-	2	-	1,246
NEW MEXICO-----	-	3,043	-	-	-	-	-	-	-	-	-	97	-	467	-	-	-	-	-	-	-	3,759
NORTH DAKOTA-----	6,000	69	-	-	-	-	-	-	-	-	-	-	6,000	73	-	44	-	-	-	2	12,000	315
OHIO-----	-	1,659	-	-	-	5	-	-	-	-	-	769	-	4,103	-	186	-	196	-	438	12,000	13,879
OKLAHOMA-----	-	355	-	-	-	-	-	-	-	-	-	95	-	98	-	17	-	-	-	-	6,000	985
PENNSYLVANIA:																						
ANTHRACITE-----	-	834	-	-	-	-	-	-	-	-	-	764	-	4,453	-	23	-	-	-	107	12,000	15,188
BITUMINOUS-----	6,000	7,177	-	1	-	-	-	-	-	-	6,000	7,366	-	15,575	-	1,593	-	1,606	-	3,282	18,000	73,593
ALL COAL-----	6,000	8,011	-	1	-	-	-	-	-	-	6,000	8,130	-	20,028	-	1,616	-	1,606	-	3,389	30,000	88,781
TENNESSEE-----	-	4,071	-	-	-	-	-	-	-	-	-	1,006	-	654	-	37	-	-	-	61	6,000	11,022
TEXAS-----	6,000	488	-	-	-	-	-	-	-	-	-	95	-	326	-	23	-	-	-	1	6,000	1,450
UTAH-----	-	409	-	-	-	-	-	-	-	-	-	566	-	857	-	91	-	130	-	2	-	5,405
VIRGINIA-----	-	12,525	-	8	-	405	-	-	-	-	12,000	10,399	-	5,009	-	827	-	749	-	1,530	30,000	53,793
WASHINGTON-----	-	251	-	-	-	-	-	-	-	-	-	166	-	124	-	1	-	-	-	143	-	900
WEST VIRGINIA-----	12,000	19,460	-	3	-	146	-	-	-	-	12,000	14,844	-	19,299	-	1,677	-	488	-	2,418	60,000	116,643
WYOMING-----	-	434	-	-	-	-	-	-	-	-	6,000	772	-	854	-	41	-	-	-	2	6,000	2,740
TOTAL:																						
ANTHRACITE-----	-	834	-	-	-	-	-	-	-	-	-	764	-	4,453	-	23	-	-	-	107	12,000	15,188
BITUMINOUS-----	54,000	94,248	-	159	6,000	914	-	-	-	-	60,000	71,257	18,000	96,197	-	7,700	-	5,359	6,000	11,091	342,000	566,094
ALL COAL-----	54,000	95,082	-	159	6,000	914	-	-	-	-	60,000	72,021	18,000	100,650	-	7,723	-	5,359	6,000	11,198	354,000	581,282

TABLE 15. INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990

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	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI	NDI	ALL INJU- RIES	FATAL	NFDI	ALL FATAL AND NFDI						
		PERMANENT		TEMPO- RARY												TOTAL NFDI					
		TOTAL	PARTIAL																		
UNDERGROUND MINES:																					
0 - 24,999	5	-	3	131	134	139	29	168	1.24	33.34	34.58	7.21	41.80	7.464	1.189	8.653	4.035	2,828,335	512	-	4,019,552
25,000 - 49,999	3	1	4	210	215	218	42	260	34	24.61	24.95	4.81	29.76	2.060	2.362	4.422	3.288	3,707,379	239	-	8,736,808
50,000 - 99,999	5	-	6	432	438	443	90	533	24	20.92	21.16	4.30	25.46	1.433	1.119	2.552	4.847	7,805,873	285	-	20,932,235
100,000 - 149,999	5	1	9	423	433	438	83	521	24	21.20	21.45	4.06	25.51	1.469	1.132	2.601	3.795	7,053,238	167	-	20,424,307
150,000 - 249,999	5	-	13	583	596	601	158	759	15	17.56	17.71	4.65	22.36	884	1.237	2.120	4.964	10,231,084	176	-	33,943,545
250,000 - 499,999	7	-	25	1,233	1,258	1,265	322	1,587	12	21.12	21.23	5.40	26.64	705	1.043	1.748	9.000	18,966,364	173	-	59,577,252
500,000 - 749,999	4	-	14	665	679	683	160	843	14	23.09	23.23	5.44	28.67	816	1.407	2.223	4.531	9,414,438	47	-	29,401,201
750,000 - 999,999	2	-	12	650	662	664	163	827	08	26.94	27.02	6.63	33.65	488	1.407	1.895	3.861	8,066,466	28	-	24,573,710
1,000,000 OR MORE	7	-	72	4,066	4,138	4,145	895	5,040	03	18.97	19.00	4.10	23.10	192	800	993	30,847	66,196,191	108	-	218,185,831
TOTAL OR AVERAGE	43	2	158	8,393	8,553	8,596	1,942	10,538	10	20.37	20.48	4.63	25.10	615	1,016	1,631	69,168	134,269,368	1,735	-	419,794,441
SURFACE MINES:																					
STRIP:																					
0 - 24,999	-	-	1	53	54	54	28	82	-	10.26	10.26	5.32	15.59	-	351	351	3,702	3,917,878	716	-	5,261,008
25,000 - 49,999	1	-	1	54	55	56	19	75	14	7.87	8.01	2.72	10.73	858	203	1,062	1,913	3,060,892	193	-	6,990,131
50,000 - 99,999	-	-	1	106	107	107	47	154	-	7.46	7.46	3.28	10.74	-	216	216	2,994	5,645,463	204	-	14,335,047
100,000 - 149,999	1	-	-	73	73	74	21	95	10	7.26	7.36	2.09	9.45	597	327	924	1,696	3,486,096	82	-	10,049,373
150,000 - 249,999	-	-	7	139	146	146	51	197	-	7.32	7.32	2.56	9.88	-	446	446	2,869	6,289,395	103	-	19,943,574
250,000 - 499,999	-	-	6	266	272	272	106	378	-	6.20	6.20	2.41	8.61	-	242	242	5,363	12,233,278	123	-	43,894,098
500,000 - 749,999	2	-	3	184	187	189	63	252	05	5.08	5.14	1.71	6.85	326	376	703	3,542	8,505,594	60	-	36,779,193
750,000 - 999,999	-	-	3	97	100	100	38	138	-	6.10	6.10	2.32	8.42	-	212	212	1,833	4,147,369	19	-	16,386,058
1,000,000 OR MORE	5	-	11	667	678	683	413	1,096	01	1.54	1.56	9.94	2.50	68	56	124	21,049	44,127,000	103	-	439,156,960
TOTAL OR AVERAGE	9	-	33	1,639	1,672	1,681	786	2,467	02	2.82	2.84	1.33	4.16	91	120	211	44,961	91,412,965	1,603	-	592,795,442
AUGER:																					
0 - 24,999	-	-	2	6	8	8	3	11	-	8.80	8.80	3.30	12.09	-	1,595	1,595	394	217,711	71	57	909,607
25,000 - 49,999	-	-	-	4	4	4	1	5	-	8.64	8.64	2.16	10.80	-	352	352	41	64,598	8	5	463,043
50,000 - 99,999	-	-	-	6	6	6	2	8	-	9.83	9.83	3.28	13.11	-	462	462	64	112,030	6	3	610,447
100,000 - 149,999	-	-	-	7	7	7	3	10	-	9.50	9.50	4.07	13.57	-	654	654	64	116,291	5	1	736,940
150,000 - 249,999	-	-	-	4	4	4	1	5	-	5.82	5.82	1.46	7.28	-	92	92	53	117,590	2	2	686,763
TOTAL OR AVERAGE	-	-	2	27	29	29	10	39	-	8.51	8.51	2.94	11.45	-	717	717	616	628,220	92	68	3,406,800
CULM BANK:																					
0 - 24,999	-	-	-	18	18	18	3	21	-	69.35	69.35	11.56	80.91	-	3,260	3,260	263	325,569	44	8	259,538
25,000 - 49,999	-	-	-	6	6	6	-	6	-	13.67	13.67	-	13.67	-	818	818	76	122,519	12	-	439,055
50,000 - 99,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69	126,291	8	-	586,772
100,000 - 149,999	-	-	-	2	2	2	-	2	-	5.50	5.50	-	5.50	-	138	138	45	88,792	3	-	363,474
TOTAL OR AVERAGE	-	-	-	26	26	26	3	29	-	15.77	15.77	1.82	17.59	-	761	761	453	663,171	67	8	1,648,839
DREDGE:																					
0 - 24,999	-	-	-	1	1	1	-	1	-	11.73	11.73	-	11.73	-	23	23	57	79,846	16	-	85,235
25,000 - 49,999	-	-	-	1	1	1	-	1	-	12.94	12.94	-	12.94	-	233	233	23	39,857	2	-	77,270
50,000 - 99,999	-	-	-	1	1	1	-	1	-	8.67	8.67	-	8.67	-	69	69	17	38,814	2	-	115,342
TOTAL OR AVERAGE	-	-	-	3	3	3	-	3	-	10.80	10.80	-	10.80	-	101	101	97	158,517	20	-	277,847

TABLE 15. - INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (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 FATAL AND NFDL	NDL	TOTAL INJURIES														
		PERMANENT		TEMPO- RARY	TOTAL NFDL																	
		TOTAL	PARTIAL																			
TOTAL OR AVERAGE, SURFACE:	-	-	3	78	81	81	34	115	-	12.43	12.43	5.22	17.65	-	636	636	4,416	4,541,004	847	65	6,515,388	
0 - 24,999-----	-	-	1	65	66	67	20	87	.13	8.28	8.41	2.51	10.92	753	246	999	2,053	3,287,866	215	5	7,969,499	
25,000 - 49,999-----	1	-	1	113	114	114	49	163	-	7.29	7.29	3.13	10.42	-	217	217	3,144	5,922,598	220	3	15,647,608	
50,000 - 99,999-----	-	-	-	82	82	83	24	107	.09	7.35	7.44	2.15	9.60	538	342	881	1,805	3,691,179	90	1	11,149,787	
100,000 - 149,999-----	1	-	-	143	150	150	52	202	-	7.27	7.27	2.52	9.79	-	435	435	2,922	6,406,985	105	2	20,630,337	
150,000 - 249,999-----	-	-	7	266	272	272	106	378	-	6.20	6.20	2.41	8.61	-	242	242	5,363	12,233,278	123	-	43,894,098	
250,000 - 499,999-----	-	-	6	184	187	189	63	252	.05	5.08	5.14	1.71	6.85	326	376	703	3,542	8,505,594	60	-	36,779,193	
500,000 - 749,999-----	2	-	3	97	100	100	38	138	-	6.10	6.10	2.32	8.42	-	212	212	1,833	4,147,369	19	-	16,386,058	
750,000 - 999,999-----	-	-	3	667	678	683	413	1,096	.01	1.54	1.56	.94	2.50	68	56	124	21,049	44,127,000	103	-	439,156,960	
1,000,000 OR MORE-----	5	-	11																			
TOTAL OR AVERAGE-----	9	-	35	1,695	1,730	1,739	799	2,538	.02	2.89	2.91	1.34	4.24	90	125	215	46,127	92,862,873	1,782	76	598,128,928	
TOTAL OR AVERAGE, MINING:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0 - 24,999-----	5	-	6	209	215	220	63	283	.47	20.41	20.88	5.98	26.86	2,848	847	3,695	8,451	7,369,339	1,359	65	10,534,940	
25,000 - 49,999-----	4	1	5	275	281	285	62	347	.24	16.82	17.06	3.71	20.77	1,437	1,353	2,789	5,341	6,995,245	454	5	16,706,307	
50,000 - 99,999-----	5	-	7	545	552	557	139	696	.14	15.09	15.23	3.80	19.03	820	733	1,553	7,991	13,728,471	505	3	36,579,843	
100,000 - 149,999-----	6	1	9	505	515	521	107	628	.19	16.31	16.50	3.39	19.89	1,140	853	1,994	5,600	10,744,417	257	1	31,574,094	
150,000 - 249,999-----	5	-	20	726	746	751	210	961	.09	13.67	13.76	3.85	17.61	550	933	1,483	7,886	16,638,069	281	2	54,573,882	
250,000 - 499,999-----	7	-	31	1,499	1,530	1,537	428	1,965	.07	14.79	14.85	4.14	18.99	406	703	1,109	14,363	31,199,642	296	-	103,471,350	
500,000 - 749,999-----	6	-	17	849	866	872	223	1,095	.09	13.09	13.18	3.37	16.55	544	834	1,378	8,073	17,920,032	107	-	66,180,394	
750,000 - 999,999-----	2	-	15	747	762	764	201	965	.05	18.60	18.65	4.91	23.56	293	929	1,222	5,694	12,213,835	47	-	40,959,768	
1,000,000 OR MORE-----	12	-	83	4,733	4,816	4,828	1,308	6,136	.02	7.33	7.34	1.99	9.33	110	303	413	51,896	110,323,191	211	-	657,342,791	
TOTAL OR AVERAGE-----	52	2	193	10,088	10,283	10,335	2,741	13,076	.05	10.10	10.15	2.69	12.85	307	493	799	115,295	227,132,241	3,517	76	1,017,923,369	
SURFACE AT UNDERGROUND----	2	-	17	580	597	599	240	839	-	-	-	-	-	-	-	-	7,609	13,937,176	42	1,399	-	
INDEPENDENT SHOPS-----	1	-	2	70	72	73	48	121	-	-	-	-	-	-	-	-	1,113	2,173,425	82	-	-	
PROCESSING PLANTS-----	4	1	29	841	871	875	336	1,211	-	-	-	-	-	-	-	-	15,008	31,030,009	651	269	-	
OFFICE-----	-	-	-	17	17	17	11	28	-	-	-	-	-	-	-	-	7,480	13,547,937	28	1,559	-	
GRAND TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,899	3,376	15,275	-	-	-	-	-	-	-	-	146,505	287,820,788	4,320	3,303	1,017,923,369	

TABLE 15A INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1990

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 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																					
UNDERGROUND MINES:																								
0 - 24,999 -----	-	-	-	5	5	5	1	6	-	18.03	18.03	3.61	21.64	-	1,544	1,544	277	321,950	72	-	-	277,287		
25,000 - 49,999 -----	-	-	1	1	2	2	-	2	-	28.69	28.69	-	28.69	-	732	732	28	53,716	2	-	-	69,700		
50,000 - 99,999 -----	-	-	-	2	2	2	1	3	-	29.18	29.18	14.59	43.78	-	715	715	12	19,273	1	-	-	68,531		
TOTAL OR AVERAGE -----	-	-	1	8	9	9	2	11	-	21.66	21.66	4.81	26.47	-	1,271	1,271	317	394,939	75	-	-	415,518		
SURFACE MINES:																								
STRIP:																								
0 - 24,999 -----	-	-	-	5	5	5	5	10	-	13.55	13.55	13.55	27.10	-	355	355	189	287,445	58	-	-	368,968		
25,000 - 49,999 -----	-	-	-	7	7	7	-	7	-	23.88	23.88	-	23.88	-	1,020	1,020	77	170,021	8	-	-	293,124		
50,000 - 99,999 -----	-	-	-	9	9	9	-	9	-	22.81	22.81	-	22.81	-	867	867	80	179,250	6	-	-	394,649		
100,000 - 149,999 -----	-	-	-	18	18	18	6	24	-	48.22	48.22	16.07	64.29	-	4,685	4,685	95	186,483	3	-	-	373,318		
150,000 - 249,999 -----	-	-	1	18	19	19	3	22	-	99.99	99.99	19.21	99.99	-	9,479	9,479	51	88,174	1	-	-	156,139		
250,000 - 499,999 -----	-	-	-	19	19	19	-	19	-	69.13	69.13	-	69.13	-	2,725	2,725	203	406,759	1	-	-	274,825		
TOTAL OR AVERAGE -----	-	-	1	76	77	77	14	91	-	41.38	41.38	7.52	48.90	-	2,552	2,552	695	1,318,132	77	-	-	1,861,023		
CULM BANK:																								
0 - 24,999 -----	-	-	-	13	13	13	3	16	-	93.51	93.51	21.58	99.99	-	5,984	5,984	144	207,736	24	2	-	139,028		
25,000 - 49,999 -----	-	-	-	3	3	3	-	3	-	9.52	9.52	-	9.52	-	349	349	61	99,175	8	-	-	315,030		
50,000 - 99,999 -----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	72,407	4	-	-	330,963		
100,000 - 149,999 -----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7,774	1	-	-	107,826		
TOTAL OR AVERAGE -----	-	-	-	16	16	16	3	19	-	17.92	17.92	3.36	21.28	-	1,055	1,055	250	387,092	37	2	-	892,847		
DREDGE:																								
0 - 24,999 -----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3,135	3	-	-	1,017		
TOTAL OR AVERAGE -----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3,135	3	-	-	1,017		
TOTAL OR AVERAGE, SURFACE:																								
0 - 24,999 -----	-	-	-	18	18	18	8	26	-	35.36	35.36	15.72	51.08	-	1,892	1,892	337	498,316	85	2	-	509,013		
25,000 - 49,999 -----	-	-	-	10	10	10	-	10	-	16.44	16.44	-	16.44	-	673	673	138	269,196	16	-	-	608,154		
50,000 - 99,999 -----	-	-	-	9	9	9	-	9	-	12.40	12.40	-	12.40	-	471	471	118	251,657	10	-	-	725,612		
100,000 - 149,999 -----	-	-	-	18	18	18	6	24	-	37.41	37.41	12.47	49.88	-	3,635	3,635	102	194,257	4	-	-	481,144		
150,000 - 249,999 -----	-	-	1	18	19	19	3	22	-	99.99	99.99	19.21	99.99	-	9,479	9,479	51	88,174	1	-	-	156,139		
250,000 - 499,999 -----	-	-	-	19	19	19	-	19	-	69.13	69.13	-	69.13	-	2,725	2,725	203	406,759	1	-	-	274,825		
TOTAL OR AVERAGE -----	-	-	1	92	93	93	17	110	-	33.76	33.76	6.17	39.93	-	2,066	2,066	949	1,708,359	117	2	-	2,754,887		
TOTAL OR AVERAGE, MINING:																								
0 - 24,999 -----	-	-	-	23	23	23	9	32	-	29.25	29.25	11.45	40.70	-	1,769	1,769	614	820,266	157	2	-	786,300		
25,000 - 49,999 -----	-	-	1	11	12	12	-	12	-	17.70	17.70	-	17.70	-	679	679	166	322,912	18	-	-	677,854		
50,000 - 99,999 -----	-	-	-	11	11	11	1	12	-	13.85	13.85	1.26	15.11	-	492	492	130	270,930	11	-	-	794,143		
100,000 - 149,999 -----	-	-	-	18	18	18	6	24	-	37.41	37.41	12.47	49.88	-	3,635	3,635	102	194,257	4	-	-	481,144		
150,000 - 249,999 -----	-	-	1	18	19	19	3	22	-	99.99	99.99	19.21	99.99	-	9,479	9,479	51	88,174	1	-	-	156,139		
250,000 - 499,999 -----	-	-	-	19	19	19	-	19	-	69.13	69.13	-	69.13	-	2,725	2,725	203	406,759	1	-	-	274,825		
TOTAL OR AVERAGE -----	-	-	2	100	102	102	19	121	-	32.17	32.17	5.99	38.17	-	1,962	1,962	1,266	2,103,298	192	2	-	3,170,405		

TABLE 15A. INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1990 (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 FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT		TEMPO- RARY	TOTAL NFDL																
		TOTAL	PARTIAL																		
SURFACE AT UNDERGROUND----	-	-	-	2	2	2	1	3	-	-	-	-	-	-	-	-	99	123,144	1	64	-
INDEPENDENT SHOPS-----	-	-	-	3	3	3	3	6	-	-	-	-	-	-	-	-	44	79,365	4	-	-
PROCESSING PLANTS-----	2	1	3	80	84	86	15	101	-	-	-	-	-	-	-	-	750	1,387,275	62	9	-
OFFICE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126	204,525	3	50	-
GRAND TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	-	-	-	-	-	-	-	-	2,285	3,897,607	262	125	3,170,405

TABLE 15B. - INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990

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 OPERATION- TIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURY RIFTS	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT		TEMPORARY												TOTAL NFDL					
		TOTAL	PARTIAL																		
UNDERGROUND MINES:																					
0 - 24,999	5		3	126	129	134	28	162	1.34	34.47	35.81	7.48	43.29	8.017	1.163	9.180	3.758	2,506,385	440	-	3,742,265
25,000 - 49,999	3	1	3	209	213	216	42	258	35	24.58	24.92	4.85	29.77	2.077	2.375	4.452	3.260	3,653,663	237	-	8,667,108
50,000 - 99,999	5		6	430	436	441	89	530	24	20.90	21.14	4.27	25.40	1.438	1.120	2.558	4.835	7,786,600	284	-	20,863,704
100,000 - 149,999	5	1	9	423	433	438	83	521	24	21.20	21.45	4.06	25.51	1.469	1.132	2.601	3.795	7,053,238	167	-	20,424,307
150,000 - 249,999	5		13	583	596	601	158	759	15	17.56	17.71	4.65	22.36	884	1.237	2.120	4.964	10,231,084	176	-	33,943,545
250,000 - 499,999	7		25	1,233	1,258	1,265	322	1,587	12	21.12	21.23	5.40	26.64	705	1.043	1.748	9.000	18,966,364	173	-	59,577,252
500,000 - 749,999	4		14	665	679	683	160	843	14	23.09	23.23	5.44	28.67	816	1.407	2.223	4.531	9,414,438	47	-	29,401,201
750,000 - 999,999	2		12	650	662	664	163	827	08	26.94	27.02	6.63	33.65	488	1.407	1.895	3.861	8,066,466	28	-	24,573,710
1,000,000 OR MORE	7		72	4,066	4,138	4,145	895	5,040	03	18.97	19.00	4.10	23.10	192	800	993	30,847	66,196,191	108	-	218,185,831
TOTAL OR AVERAGE	43	2	157	8,385	8,544	8,587	1,940	10,527	10	20.37	20.48	4.63	25.10	615	1,016	1,631	68,851	133,874,429	1,660	-	419,378,923
SURFACE MINES:																					
STRIP:																					
0 - 24,999	-		1	48	49	49	23	72	-	10.02	10.02	4.70	14.72	-	351	351	3,513	3,630,433	658	-	4,892,040
25,000 - 49,999	1		1	47	48	49	19	68	15	7.17	7.32	2.84	10.15	896	168	1,063	1,836	2,890,871	185	-	6,597,007
50,000 - 99,999	-		1	97	98	98	47	145	-	7.03	7.03	3.37	10.40	-	198	198	2,914	5,466,213	198	-	13,340,398
100,000 - 149,999	1		-	55	55	56	15	71	10	5.68	5.79	1.55	7.34	620	159	779	1,601	3,299,613	79	-	9,576,055
150,000 - 249,999	-		6	121	127	127	48	175	-	6.42	6.42	2.43	8.84	-	375	375	2,818	6,201,221	102	-	19,787,435
250,000 - 499,999	-		6	247	253	253	106	359	-	5.80	5.80	2.43	8.23	-	226	226	5,160	11,826,519	122	-	43,619,273
500,000 - 749,999	2		3	184	187	189	63	252	05	5.08	5.14	1.71	6.85	326	376	703	3,542	8,505,594	60	-	36,779,193
750,000 - 999,999	-		3	97	100	100	38	138	-	6.10	6.10	2.32	8.42	-	212	212	1,833	4,147,369	19	-	16,386,058
1,000,000 OR MORE	5		11	667	678	683	413	1,096	01	1.54	1.56	.94	2.50	68	56	124	21,049	44,127,000	103	-	439,156,960
TOTAL OR AVERAGE	9		32	1,563	1,595	1,604	772	2,376	02	2.70	2.71	1.31	4.02	91	112	204	44,266	90,094,833	1,526	-	590,934,419
AUGER:																					
0 - 24,999	-		2	6	8	8	3	11	-	8.80	8.80	3.30	12.09	-	1,595	1,595	394	217,711	71	57	909,607
25,000 - 49,999	-		-	4	4	4	1	5	-	8.64	8.64	2.16	10.80	-	352	352	41	64,598	8	5	463,043
50,000 - 99,999	-		-	6	6	6	2	8	-	9.83	9.83	3.28	13.11	-	462	462	64	112,030	6	3	610,447
100,000 - 149,999	-		-	7	7	7	3	10	-	9.50	9.50	4.07	13.57	-	654	654	64	116,291	5	1	736,940
150,000 - 249,999	-		-	4	4	4	1	5	-	5.82	5.82	1.46	7.28	-	92	92	53	117,590	2	2	686,763
TOTAL OR AVERAGE	-		2	27	29	29	10	39	-	8.51	8.51	2.94	11.45	-	717	717	616	628,220	92	68	3,406,800
CULM BANK:																					
0 - 24,999	-		-	5	5	5	-	5	-	41.49	41.49	-	41.49	-	116	116	119	117,833	20	6	120,510
25,000 - 49,999	-		-	3	3	3	-	3	-	24.19	24.19	-	24.19	-	2,008	2,008	15	23,344	4	-	124,025
50,000 - 99,999	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	53,884	4	-	255,809
100,000 - 149,999	-		-	2	2	2	-	2	-	7.82	7.82	-	7.82	-	196	196	38	81,018	2	-	255,648
TOTAL OR AVERAGE	-		-	10	10	10	-	10	-	13.23	13.23	-	13.23	-	414	414	203	276,079	30	6	755,992
DREDGE:																					
0 - 24,999	-		-	1	1	1	-	1	-	11.87	11.87	-	11.87	-	24	24	53	76,711	13	-	84,218
25,000 - 49,999	-		-	1	1	1	-	1	-	12.94	12.94	-	12.94	-	233	233	23	39,857	2	-	77,270
50,000 - 99,999	-		-	1	1	1	-	1	-	8.67	8.67	-	8.67	-	69	69	17	38,814	2	-	115,342
TOTAL OR AVERAGE	-		-	3	3	3	-	3	-	10.84	10.84	-	10.84	-	101	101	93	155,382	17	-	276,830

TABLE 15B. - INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990 (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 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:	-	-	3	60	63	63	26	89	-	10.49	10.49	4.33	14.82	-	530	530	4.079	4,042,688	762	63	6,006,375
0 - 24,999-----	1	-	1	55	56	57	20	77	.14	7.61	7.74	2.72	10.46	815	211	1,026	1,915	3,018,670	199	5	7,361,345
25,000 - 49,999-----	-	-	-	104	105	105	49	154	-	7.04	7.04	3.28	10.32	-	204	204	3,026	5,670,941	210	3	14,921,996
50,000 - 99,999-----	-	-	-	64	64	65	18	83	.09	6.00	6.09	1.69	7.78	562	194	756	1,703	3,496,922	86	1	10,668,643
100,000 - 149,999-----	1	-	-	125	131	131	49	180	-	6.40	6.40	2.39	8.79	-	366	366	2,871	6,318,811	104	2	20,474,198
150,000 - 249,999-----	-	-	6	247	253	253	106	359	-	5.80	5.80	2.43	8.23	-	226	226	5,160	11,826,519	122	-	43,619,273
250,000 - 499,999-----	2	-	3	184	187	189	63	252	.05	5.08	5.14	1.71	6.85	326	376	703	3,542	8,505,594	60	-	36,779,193
500,000 - 749,999-----	-	-	3	97	100	100	38	138	-	6.10	6.10	2.32	8.42	-	212	212	1,833	4,147,369	19	-	16,386,058
750,000 - 999,999-----	5	-	11	667	678	683	413	1,096	.01	1.54	1.56	.94	2.50	68	56	124	21,049	44,127,000	103	-	439,156,960
1,000,000 OR MORE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	9	-	34	1,603	1,637	1,646	782	2,428	.02	2.75	2.76	1.31	4.08	91	116	207	45,178	91,154,514	1,665	74	595,374,041
TOTAL OR AVERAGE, MINING:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0 - 24,999-----	5	-	6	186	192	197	54	251	.51	19.70	20.21	5.54	25.75	3,077	773	3,850	7,837	6,549,073	1,202	63	9,748,640
25,000 - 49,999-----	4	1	4	264	269	273	62	335	.25	16.78	17.03	3.87	20.90	1,497	1,381	2,878	5,175	6,672,333	436	5	16,028,453
50,000 - 99,999-----	5	-	7	534	541	546	138	684	.14	15.12	15.26	3.86	19.11	838	738	1,576	7,861	13,457,541	494	3	35,785,700
100,000 - 149,999-----	6	1	9	487	497	503	101	604	.19	15.98	16.18	3.25	19.43	1,158	810	1,968	5,498	10,550,160	253	1	31,092,950
150,000 - 249,999-----	5	-	19	708	727	732	207	939	.09	13.36	13.45	3.80	17.26	551	909	1,460	7,835	16,549,895	280	2	54,417,743
250,000 - 499,999-----	7	-	31	1,480	1,511	1,518	428	1,946	.07	14.64	14.71	4.15	18.86	407	698	1,105	14,160	30,792,883	295	-	103,196,525
500,000 - 749,999-----	6	-	17	849	866	872	223	1,095	.09	13.09	13.18	3.37	16.55	544	834	1,378	8,073	17,920,032	107	-	66,180,394
750,000 - 999,999-----	2	-	15	747	762	764	201	965	.05	18.60	18.65	4.91	23.56	293	929	1,222	5,694	12,213,835	47	-	40,959,768
1,000,000 OR MORE-----	12	-	83	4,733	4,816	4,828	1,308	6,136	.02	7.33	7.34	1.99	9.33	110	303	413	51,896	110,323,191	211	-	657,342,791
TOTAL OR AVERAGE-----	52	2	191	9,988	10,181	10,233	2,722	12,955	.05	10.03	10.08	2.68	12.77	307	488	795	114,029	225,028,943	3,325	74	1,014,752,964
SURFACE AT UNDERGROUND----	2	-	17	578	595	597	239	836	-	-	-	-	-	-	-	-	7,510	13,814,032	41	1,335	-
INDEPENDENT SHOPS-----	1	-	2	67	69	70	45	115	-	-	-	-	-	-	-	-	1,069	2,094,060	78	-	-
PROCESSING PLANTS-----	2	-	26	761	787	789	321	1,110	-	-	-	-	-	-	-	-	14,258	29,642,734	589	260	-
OFFICE-----	-	-	-	17	17	17	11	28	-	-	-	-	-	-	-	-	7,354	13,343,412	25	1,509	-
GRAND TOTAL OR AVERAGE-----	57	2	236	11,411	11,649	11,706	3,338	15,044	-	-	-	-	-	-	-	-	144,220	283,923,181	4,058	3,178	1,014,752,964

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, 1990

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL					
		TOTAL	PARTIAL							TOTAL	PARTIAL							
UNDERGROUND MINES:																		
0 - 24,999-----	5	-	3	131	134	139	29	168	30,000	-	150	4,631	4,781	34,781	50	35	250	
25,000 - 49,999-----	3	1	4	210	215	218	42	260	18,000	6,000	6,100	8,536	20,636	38,636	1,525	41	177	
50,000 - 99,999-----	5	-	6	432	438	443	90	533	30,000	-	4,220	19,197	23,417	53,417	703	44	121	
100,000 - 149,999-----	5	1	9	423	433	438	83	521	30,000	6,000	820	16,305	23,125	53,125	91	39	121	
150,000 - 249,999-----	5	-	13	583	596	601	158	759	30,000	-	18,585	23,391	41,976	71,976	1,430	40	120	
250,000 - 499,999-----	7	-	25	1,233	1,258	1,265	322	1,587	42,000	-	11,140	51,017	62,157	104,157	446	41	82	
500,000 - 749,999-----	4	-	14	665	679	683	160	843	24,000	-	13,035	28,323	41,358	65,358	931	43	96	
750,000 - 999,999-----	2	-	12	650	662	664	163	827	12,000	-	5,370	29,193	34,563	46,563	448	45	70	
1,000,000 OR MORE-----	7	-	72	4,066	4,138	4,145	895	5,040	42,000	-	23,170	151,420	174,590	216,590	322	37	52	
TOTAL OR AVERAGE-----	43	2	158	8,393	8,553	8,596	1,942	10,538	258,000	12,000	82,590	332,013	426,603	684,603	523	40	80	
SURFACE MINES:																		
STRIP:																		
0 - 24,999-----	-	-	1	53	54	54	28	82	-	-	50	1,798	1,848	1,848	50	34	34	
25,000 - 49,999-----	1	-	1	54	55	56	19	75	6,000	-	50	1,371	1,421	7,421	50	25	133	
50,000 - 99,999-----	-	-	1	106	107	107	47	154	-	-	50	3,050	3,100	3,100	50	29	29	
100,000 - 149,999-----	1	-	-	73	73	74	21	95	6,000	-	-	3,286	3,286	9,286	-	45	125	
150,000 - 249,999-----	-	-	7	139	146	146	51	197	-	-	3,930	4,973	8,903	8,903	561	36	61	
250,000 - 499,999-----	-	-	6	266	272	272	106	378	-	-	3,250	7,373	10,623	10,623	542	28	39	
500,000 - 749,999-----	2	-	3	184	187	189	63	252	12,000	-	7,550	6,290	13,840	25,840	2,517	34	137	
750,000 - 999,999-----	-	-	3	97	100	100	38	138	-	-	200	3,277	3,477	3,477	67	34	35	
1,000,000 OR MORE-----	5	-	11	667	678	683	413	1,096	30,000	-	645	23,927	24,572	54,572	59	36	80	
TOTAL OR AVERAGE-----	9	-	33	1,639	1,672	1,681	786	2,467	54,000	-	15,725	55,345	71,070	125,070	477	34	74	
AUGER:																		
0 - 24,999-----	-	-	2	6	8	8	3	11	-	-	1,260	191	1,451	1,451	630	32	181	
25,000 - 49,999-----	-	-	-	4	4	4	1	5	-	-	-	163	163	163	-	41	41	
50,000 - 99,999-----	-	-	-	6	6	6	2	8	-	-	-	282	282	282	-	47	47	
100,000 - 149,999-----	-	-	-	7	7	7	3	10	-	-	-	482	482	482	-	69	69	
150,000 - 249,999-----	-	-	-	4	4	4	1	5	-	-	-	63	63	63	-	16	16	
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	2,441	630	44	84	
CULM BANK:																		
0 - 24,999-----	-	-	-	18	18	18	3	21	-	-	-	846	846	846	-	47	47	
25,000 - 49,999-----	-	-	-	6	6	6	-	6	-	-	-	359	359	359	-	60	60	
50,000 - 99,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100,000 - 149,999-----	-	-	-	2	2	2	-	2	-	-	-	50	50	50	-	25	25	
TOTAL OR AVERAGE-----	-	-	-	26	26	26	3	29	-	-	-	1,255	1,255	1,255	-	48	48	
DREDGE:																		
0 - 24,999-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2	
25,000 - 49,999-----	-	-	-	1	1	1	-	1	-	-	-	18	18	18	-	18	18	
50,000 - 99,999-----	-	-	-	1	1	1	-	1	-	-	-	8	8	8	-	8	8	
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9	

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, 1990 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, SURFACE:	-	-	3	78	81	81	34	115	-	-	1,310	2,837	4,147	4,147	437	36	51
0 - 24,999-----	-	-	1	65	66	67	20	87	6,000	-	50	1,911	1,961	7,961	50	29	119
25,000 - 49,999-----	1	-	1	113	114	114	49	163	-	-	50	3,340	3,390	3,390	50	30	30
50,000 - 99,999-----	-	-	-	82	82	83	24	107	6,000	-	-	3,818	3,818	9,818	-	47	118
100,000 - 149,999-----	1	-	-	143	150	150	52	202	-	-	3,930	5,036	8,966	8,966	561	35	60
150,000 - 249,999-----	-	-	6	266	272	272	106	378	-	-	3,250	7,373	10,623	10,623	542	28	39
250,000 - 499,999-----	-	-	3	184	187	189	63	252	12,000	-	7,550	6,290	13,840	25,840	2,517	34	137
500,000 - 749,999-----	2	-	3	97	100	100	38	138	-	-	200	3,277	3,477	3,477	67	34	35
750,000 - 999,999-----	-	-	11	667	678	683	413	1,096	30,000	-	645	23,927	24,572	54,572	59	36	80
1,000,000 OR MORE-----	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	9	-	35	1,695	1,730	1,739	799	2,538	54,000	-	16,985	57,809	74,794	128,794	485	34	74
TOTAL OR AVERAGE, MINING:	5	-	6	209	215	220	63	283	30,000	-	1,460	7,468	8,928	38,928	243	36	177
0 - 24,999-----	5	-	5	275	281	285	62	347	24,000	6,000	6,150	10,447	22,597	46,597	1,230	38	163
25,000 - 49,999-----	4	1	7	545	552	557	139	696	30,000	-	4,270	22,537	26,807	56,807	610	41	102
50,000 - 99,999-----	5	-	9	505	515	521	107	628	36,000	6,000	820	20,123	26,943	62,943	91	40	121
100,000 - 149,999-----	6	1	20	726	746	751	210	961	30,000	-	22,515	28,427	50,942	80,942	1,126	39	108
150,000 - 249,999-----	5	-	31	1,499	1,530	1,537	428	1,965	42,000	-	14,390	58,390	72,780	114,780	464	39	75
250,000 - 499,999-----	7	-	17	849	866	872	223	1,095	36,000	-	20,585	34,613	55,198	91,198	1,211	41	105
500,000 - 749,999-----	6	-	15	747	762	764	201	965	12,000	-	5,570	32,470	38,040	50,040	371	43	65
750,000 - 999,999-----	2	-	83	4,733	4,816	4,828	1,308	6,136	72,000	-	23,815	175,347	199,162	271,162	287	37	56
1,000,000 OR MORE-----	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	52	2	193	10,088	10,283	10,335	2,741	13,076	312,000	12,000	99,575	389,822	501,397	813,397	516	39	79
SURFACE AT UNDERGROUND----	2	-	17	580	597	599	240	839	12,000	-	5,485	21,092	26,577	38,577	323	36	64
INDEPENDENT SHOPS-----	1	-	2	70	72	73	48	121	6,000	-	100	2,108	2,208	8,208	50	30	112
PROCESSING PLANTS-----	4	1	29	841	871	875	336	1,211	24,000	6,000	14,850	30,039	50,889	74,889	512	36	86
OFFICE-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12
GRAND TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,899	3,376	15,275	354,000	18,000	120,010	443,272	581,282	935,282	498	38	79

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, 1990

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
0 - 24,999-----	-	-	-	5	5	5	1	6	-	-	-	428	428	428	-	86	86
25,000 - 49,999-----	-	-	1	1	2	2	-	2	-	-	50	1	51	51	50	1	26
50,000 - 99,999-----	-	-	-	2	2	2	1	3	-	-	-	49	49	49	-	24	24
TOTAL OR AVERAGE-----	-	-	1	8	9	9	2	11	-	-	50	478	528	528	50	60	59
SURFACE MINES:																	
STRIP:																	
0 - 24,999-----	-	-	-	5	5	5	5	10	-	-	-	131	131	131	-	26	26
25,000 - 49,999-----	-	-	-	7	7	7	-	7	-	-	-	299	299	299	-	43	43
50,000 - 99,999-----	-	-	-	9	9	9	-	9	-	-	-	342	342	342	-	38	38
100,000 - 149,999-----	-	-	-	18	18	18	6	24	-	-	-	1,749	1,749	1,749	-	97	97
150,000 - 249,999-----	-	-	1	18	19	19	3	22	-	-	50	1,430	1,480	1,480	50	79	78
250,000 - 499,999-----	-	-	-	19	19	19	-	19	-	-	-	749	749	749	-	39	39
TOTAL OR AVERAGE-----	-	-	1	76	77	77	14	91	-	-	50	4,700	4,750	4,750	50	62	62
CULM BANK:																	
0 - 24,999-----	-	-	-	13	13	13	3	16	-	-	-	832	832	832	-	64	64
25,000 - 49,999-----	-	-	-	3	3	3	-	3	-	-	-	110	110	110	-	37	37
50,000 - 99,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 - 149,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	16	16	16	3	19	-	-	-	942	942	942	-	59	59
DREDGE:																	
0 - 24,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, SURFACE:																	
0 - 24,999-----	-	-	-	18	18	18	8	26	-	-	-	963	963	963	-	54	54
25,000 - 49,999-----	-	-	-	10	10	10	-	10	-	-	-	409	409	409	-	41	41
50,000 - 99,999-----	-	-	-	9	9	9	-	9	-	-	-	342	342	342	-	38	38
100,000 - 149,999-----	-	-	-	18	18	18	6	24	-	-	-	1,749	1,749	1,749	-	97	97
150,000 - 249,999-----	-	-	1	18	19	19	3	22	-	-	50	1,430	1,480	1,480	50	79	78
250,000 - 499,999-----	-	-	-	19	19	19	-	19	-	-	-	749	749	749	-	39	39
TOTAL OR AVERAGE-----	-	-	1	92	93	93	17	110	-	-	50	5,642	5,692	5,692	50	61	61
TOTAL OR AVERAGE, MINING:																	
0 - 24,999-----	-	-	-	23	23	23	9	32	-	-	-	1,391	1,391	1,391	-	60	60
25,000 - 49,999-----	-	-	1	11	12	12	-	12	-	-	50	410	460	460	50	37	38
50,000 - 99,999-----	-	-	-	11	11	11	1	12	-	-	-	391	391	391	-	36	36
100,000 - 149,999-----	-	-	-	18	18	18	6	24	-	-	-	1,749	1,749	1,749	-	97	97
150,000 - 249,999-----	-	-	1	18	19	19	3	22	-	-	50	1,430	1,480	1,480	50	79	78
250,000 - 499,999-----	-	-	-	19	19	19	-	19	-	-	-	749	749	749	-	39	39
TOTAL OR AVERAGE-----	-	-	2	100	102	102	19	121	-	-	100	6,120	6,220	6,220	50	61	61

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, 1990 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SURFACE AT UNDERGROUND----	-	-	-	2	2	2	1	3	-	-	-	8	8	8	-	4	4
INDEPENDENT SHOPS-----	-	-	-	3	3	3	3	6	-	-	-	222	222	222	-	74	74
PROCESSING PLANTS-----	2	1	3	80	84	86	15	101	12,000	6,000	310	2,428	8,738	20,738	103	30	241
OFFICE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141

TABLE 16B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PRODUCTION SIZE GROUP
AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990

WORK LOCATION AND PRODUCTION SIZE GROUP	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
UNDERGROUND MINES:																	
0 - 24,999-----	5	-	3	126	129	134	28	162	30,000	-	150	4,203	4,353	34,353	50	33	256
25,000 - 49,999-----	3	1	3	209	213	216	42	258	18,000	6,000	6,050	8,535	20,585	38,585	2,017	41	179
50,000 - 99,999-----	5	-	6	430	436	441	89	530	30,000	-	4,220	19,148	23,368	53,368	703	45	121
100,000 - 149,999-----	5	1	9	423	433	438	83	521	30,000	6,000	820	16,305	23,125	53,125	91	39	121
150,000 - 249,999-----	5	-	13	583	596	601	158	759	30,000	-	18,585	23,391	41,976	71,976	1,430	40	120
250,000 - 499,999-----	7	-	25	1,233	1,258	1,265	322	1,587	42,000	-	11,140	51,017	62,157	104,157	446	41	82
500,000 - 749,999-----	4	-	14	665	679	683	160	843	24,000	-	13,035	28,323	41,358	65,358	931	43	96
750,000 - 999,999-----	2	-	12	650	662	664	163	827	12,000	-	5,370	29,193	34,563	46,563	448	45	70
1,000,000 OR MORE-----	7	-	72	4,066	4,138	4,145	895	5,040	42,000	-	23,170	151,420	174,590	216,590	322	37	52
TOTAL OR AVERAGE-----	43	2	157	8,385	8,544	8,587	1,940	10,527	258,000	12,000	82,540	331,535	426,075	684,075	526	40	80
SURFACE MINES:																	
STRIP:																	
0 - 24,999-----	-	-	1	48	49	49	23	72	-	-	50	1,667	1,717	1,717	50	35	35
25,000 - 49,999-----	1	-	1	47	48	49	19	68	6,000	-	50	1,072	1,122	7,122	50	23	145
50,000 - 99,999-----	-	-	1	97	98	98	47	145	-	-	50	2,708	2,758	2,758	50	28	28
100,000 - 149,999-----	1	-	-	55	55	56	15	71	6,000	-	-	1,537	1,537	7,537	-	28	135
150,000 - 249,999-----	-	-	6	121	127	127	48	175	-	-	3,880	3,543	7,423	7,423	647	29	58
250,000 - 499,999-----	-	-	6	247	253	253	106	359	-	-	3,250	6,624	9,874	9,874	542	27	39
500,000 - 749,999-----	2	-	3	184	187	189	63	252	12,000	-	7,550	6,290	13,840	25,840	2,517	34	137
750,000 - 999,999-----	-	-	3	97	100	100	38	138	-	-	200	3,277	3,477	3,477	67	34	35
1,000,000 OR MORE-----	5	-	11	667	678	683	413	1,096	30,000	-	645	23,927	24,572	54,572	59	36	80
TOTAL OR AVERAGE-----	9	-	32	1,563	1,595	1,604	772	2,376	54,000	-	15,675	50,645	66,320	120,320	490	32	75
AUGER:																	
0 - 24,999-----	-	-	2	6	8	8	3	11	-	-	1,260	191	1,451	1,451	630	32	181
25,000 - 49,999-----	-	-	-	4	4	4	1	5	-	-	-	163	163	163	-	41	41
50,000 - 99,999-----	-	-	-	6	6	6	2	8	-	-	-	282	282	282	-	47	47
100,000 - 149,999-----	-	-	-	7	7	7	3	10	-	-	-	482	482	482	-	69	69
150,000 - 249,999-----	-	-	-	4	4	4	1	5	-	-	-	63	63	63	-	16	16
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	2,441	630	44	84
CULM BANK:																	
0 - 24,999-----	-	-	-	5	5	5	-	5	-	-	-	14	14	14	-	3	3
25,000 - 49,999-----	-	-	-	3	3	3	-	3	-	-	-	249	249	249	-	83	83
50,000 - 99,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 - 149,999-----	-	-	-	2	2	2	-	2	-	-	-	50	50	50	-	25	25
TOTAL OR AVERAGE-----	-	-	-	10	10	10	-	10	-	-	-	313	313	313	-	31	31
DREDGE:																	
0 - 24,999-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
25,000 - 49,999-----	-	-	-	1	1	1	-	1	-	-	-	18	18	18	-	18	18
50,000 - 99,999-----	-	-	-	1	1	1	-	1	-	-	-	8	8	8	-	8	8
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9

TABLE 16B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PRODUCTION SIZE GROUP
AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, SURFACE:																	
0 - 24,999-----	-	-	3	60	63	63	26	89	-	-	1,310	1,874	3,184	3,184	437	31	51
25,000 - 49,999-----	1	-	1	55	56	57	20	77	6,000	-	50	1,502	1,552	7,552	50	27	132
50,000 - 99,999-----	-	-	1	104	105	105	49	154	-	-	50	2,998	3,048	3,048	50	29	29
100,000 - 149,999-----	1	-	-	64	64	65	18	83	6,000	-	-	2,069	2,069	8,069	-	32	124
150,000 - 249,999-----	-	-	6	125	131	131	49	180	-	-	3,880	3,606	7,486	7,486	647	29	57
250,000 - 499,999-----	-	-	6	247	253	253	106	359	-	-	3,250	6,624	9,874	9,874	542	27	39
500,000 - 749,999-----	2	-	3	184	187	189	63	252	12,000	-	7,550	6,290	13,840	25,840	2,517	34	137
750,000 - 999,999-----	-	-	3	97	100	100	38	138	-	-	200	3,277	3,477	3,477	67	34	35
1,000,000 OR MORE-----	5	-	11	667	678	683	413	1,096	30,000	-	645	23,927	24,572	54,572	59	36	80
TOTAL OR AVERAGE-----	9	-	34	1,603	1,637	1,646	782	2,428	54,000	-	16,935	52,167	69,102	123,102	498	33	75
TOTAL OR AVERAGE, MINING:																	
0 - 24,999-----	5	-	6	186	192	197	54	251	30,000	-	1,460	6,077	7,537	37,537	243	33	191
25,000 - 49,999-----	4	1	4	264	269	273	62	335	24,000	6,000	6,100	10,037	22,137	46,137	1,525	38	169
50,000 - 99,999-----	5	-	7	534	541	546	138	684	30,000	-	4,270	22,146	26,416	56,416	610	41	103
100,000 - 149,999-----	6	1	9	487	497	503	101	604	36,000	6,000	820	18,374	25,194	61,194	91	38	122
150,000 - 249,999-----	5	-	19	708	727	732	207	939	30,000	-	22,465	26,997	49,462	79,462	1,182	38	109
250,000 - 499,999-----	7	-	31	1,480	1,511	1,518	428	1,946	42,000	-	14,390	57,641	72,031	114,031	464	39	75
500,000 - 749,999-----	6	-	17	849	866	872	223	1,095	36,000	-	20,585	34,613	55,198	91,198	1,211	41	105
750,000 - 999,999-----	2	-	15	747	762	764	201	965	12,000	-	5,570	32,470	38,040	50,040	371	43	65
1,000,000 OR MORE-----	12	-	83	4,733	4,816	4,828	1,308	6,136	72,000	-	23,815	175,347	199,162	271,162	287	37	56
TOTAL OR AVERAGE-----	52	2	191	9,988	10,181	10,233	2,722	12,955	312,000	12,000	99,475	383,702	495,177	807,177	521	38	79
SURFACE AT UNDERGROUND----	2	-	17	578	595	597	239	836	12,000	-	5,485	21,084	26,569	38,569	323	36	65
INDEPENDENT SHOPS-----	1	-	2	67	69	70	45	115	6,000	-	100	1,886	1,986	7,986	50	28	114
PROCESSING PLANTS-----	2	-	26	761	787	789	321	1,110	12,000	-	14,540	27,611	42,151	54,151	559	36	69
OFFICE-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12
GRAND TOTAL OR AVERAGE-----	57	2	236	11,411	11,649	11,706	3,338	15,044	342,000	12,000	119,600	434,494	566,094	908,094	507	38	78

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, 1990

WORK LOCATION AND OCCUPATION AT TIME 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
UNDERGROUND MINES:																	
UNDERGROUND:																	
BELTMAN/BOOM OPR.-----	1	-	9	602	611	612	104	716	6,000	-	4,650	21,930	26,580	32,580	517	36	53
CAR DUMP/GRIZZLY/SCREEN-	-	-	-	4	4	4	-	4	-	-	-	60	60	60	-	15	15
CLEANUP/VENTILATION-----	-	-	2	216	218	218	37	255	-	-	350	9,520	9,870	9,870	175	44	45
DRILL OPERATOR-----	1	-	-	44	44	45	11	56	6,000	-	-	1,904	1,904	7,904	-	43	176
ELECTRICIAN-----	5	-	9	366	375	380	116	496	30,000	-	3,375	13,695	17,070	47,070	375	37	124
HAUL, DUMP-----	4	1	13	1,064	1,078	1,082	163	1,245	24,000	6,000	11,020	46,129	63,149	87,149	848	43	81
HOTST/CAGE/SKIP-----	-	-	-	2	2	2	-	2	-	-	-	10	10	10	-	5	5
LABORER-----	5	-	35	1,659	1,694	1,699	362	2,061	30,000	-	10,945	67,672	78,617	108,617	313	41	64
LOADING MACH. OPR.-----	-	-	2	37	39	39	12	51	-	-	3,600	1,330	4,930	4,930	1,800	36	126
MECHANIC/MAINTENANCE-----	2	-	23	798	821	823	195	1,018	12,000	-	7,990	30,109	38,099	50,099	347	38	61
MINING MACH. OPR.-----	9	1	17	846	864	873	178	1,051	54,000	6,000	16,290	33,149	55,439	109,439	958	39	125
POWDERMAN/BLASTER-----	2	-	-	29	29	31	3	34	12,000	-	-	710	710	12,710	-	24	410
RAIL TRANSP. AND HAUL-----	-	-	2	212	214	214	43	257	-	-	100	8,238	8,338	8,338	50	39	39
ROCK/ROOF BOLTER-----	4	-	19	1,433	1,452	1,456	331	1,787	24,000	-	11,310	54,496	65,806	89,806	595	38	62
SUPERVISOR/FOREMAN-----	8	-	18	581	599	607	279	886	48,000	-	9,885	25,299	35,184	83,184	549	44	137
TECH./PROF./CLERICAL-----	-	-	-	17	17	17	6	23	-	-	-	726	726	726	-	43	43
TIMBERMAN/JACKSETTER-----	1	-	5	229	234	235	36	271	6,000	-	1,400	8,461	9,861	15,861	280	37	67
TRUCK DRIVER-----	-	-	1	27	28	28	7	35	-	-	75	506	581	581	75	19	21
WELDER/MACHINIST-----	-	-	1	19	20	20	9	29	-	-	1,500	504	2,004	2,004	1,500	27	100
N.E.C. OR UNKNOWN-----	1	-	2	208	210	211	50	261	6,000	-	100	7,565	7,665	13,665	50	36	65
TOTAL OR AVERAGE-----	43	2	158	8,393	8,553	8,596	1,942	10,538	258,000	12,000	82,590	332,013	426,603	684,603	523	40	80
SURFACE AT UNDERGROUND:																	
BELTMAN/BOOM OPR.-----	-	-	-	15	15	15	7	22	-	-	-	972	972	972	-	65	65
BULLDOZER/MOBILE EQUIP.---	-	-	-	17	17	17	7	24	-	-	-	1,058	1,058	1,058	-	62	62
CLEANUP/VENTILATION-----	-	-	-	5	5	5	-	5	-	-	-	113	113	113	-	23	23
DRAG/CRAVE/SKIP OPR.---	-	-	-	12	12	12	3	15	-	-	-	1,032	1,032	1,032	-	86	86
DREDGE/BARGE/BOAT-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
DRILL OPERATOR-----	-	-	-	5	5	5	-	5	-	-	-	262	262	262	-	52	52
ELECTRICIAN-----	1	-	3	49	52	53	20	73	6,000	-	150	1,538	1,688	7,688	50	31	145
FRONT END LOADER-----	-	-	-	14	14	14	7	21	-	-	-	1,148	1,148	1,148	-	82	82
HAUL, DUMP-----	-	-	1	18	19	19	4	23	-	-	50	327	377	377	50	18	20
HOTST/CAGE/SKIP-----	-	-	-	4	4	4	2	6	-	-	-	174	174	174	-	44	44
LABORER-----	1	-	2	149	151	152	52	204	6,000	-	1,310	5,301	6,611	12,611	655	36	83
MECHANIC/MAINTENANCE-----	-	-	1	110	111	111	58	169	-	-	50	3,278	3,328	3,328	50	30	30
MINING MACH. OPR.-----	-	-	1	8	9	9	3	12	-	-	50	426	476	476	50	53	53
PREP. PLANT OPR.-----	-	-	2	8	10	10	6	16	-	-	200	600	800	800	100	75	80
RAIL TRANSP. AND HAUL-----	-	-	1	24	25	25	7	32	-	-	350	708	1,058	1,058	350	30	42
ROCK/ROOF BOLTER-----	-	-	-	18	18	18	7	25	-	-	-	495	495	495	-	28	28
SUPERVISOR/FOREMAN-----	-	-	1	38	39	39	25	64	-	-	3,000	1,342	4,342	4,342	3,000	35	111
TECH./PROF./CLERICAL-----	-	-	1	8	9	9	11	20	-	-	50	90	140	140	50	11	16
TIMBERMAN/JACKSETTER-----	-	-	-	2	2	2	-	2	-	-	-	12	12	12	-	6	6
TRUCK DRIVER-----	-	-	-	17	17	17	3	20	-	-	-	355	355	355	-	21	21
WELDER/MACHINIST-----	-	-	-	14	14	14	8	22	-	-	-	802	802	802	-	57	57
N.E.C. OR UNKNOWN-----	-	-	4	44	48	48	10	58	-	-	275	1,057	1,332	1,332	69	24	28
TOTAL OR AVERAGE-----	2	-	17	580	597	599	240	839	12,000	-	5,485	21,092	26,577	38,577	323	36	64

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, UG:	1	-	9	617	626	627	111	738	6,000	-	4,650	22,902	27,552	33,552	517	37	54
BELTMAN/BOOM OPR.-----	-	-	-	17	17	17	7	24	-	-	-	1,058	1,058	1,058	-	62	62
BULLDOZER/MOBILE EQUIP.-----	-	-	-	4	4	4	-	4	-	-	-	60	60	60	-	15	15
CAR DUMP/GRIZZLY/SCREEN-----	-	-	2	221	223	223	37	260	-	-	350	9,633	9,983	9,983	175	44	45
CLEANUP/VENTILATION-----	-	-	-	12	12	12	3	15	-	-	-	1,032	1,032	1,032	-	86	86
DRAG/CRAVE/SNOVEL OPR.-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
DREDGE/BARGE/BOAT-----	1	-	-	49	49	50	11	61	6,000	-	-	2,166	2,166	8,166	-	44	163
DRILL OPERATOR-----	6	-	12	415	427	433	136	569	36,000	-	3,525	15,233	18,758	54,758	294	37	126
ELECTRICIAN-----	-	-	-	14	14	14	7	21	-	-	-	1,148	1,148	1,148	-	82	82
FRONT END LOADER-----	4	1	14	1,082	1,097	1,101	167	1,268	24,000	6,000	11,070	46,456	63,526	87,526	791	43	79
HAUL DUMP-----	-	-	-	6	6	6	2	8	-	-	-	184	184	184	-	31	31
HOT/ST/CAGE/SKIP-----	6	-	37	1,808	1,845	1,851	414	2,265	36,000	-	12,255	72,973	85,228	121,228	331	40	65
LABORER-----	-	-	2	37	39	39	12	51	-	-	3,600	1,330	4,930	4,930	1,800	36	126
LOADING MACH. OPR.-----	2	-	24	908	932	934	253	1,187	12,000	-	8,040	33,387	41,427	53,427	335	37	57
MECHANIC/MAINTENANCE-----	9	1	18	854	873	882	181	1,063	54,000	6,000	16,340	33,575	55,915	109,915	908	39	125
MINING MACH. OPR.-----	2	-	-	29	29	31	3	34	12,000	-	-	710	710	12,710	-	24	410
POWDERMAN/BLASTER-----	-	-	2	8	10	10	6	16	-	-	200	600	800	800	100	75	80
PREP. PLANT OPR.-----	-	-	3	236	239	239	50	289	-	-	450	8,946	9,396	9,396	150	38	39
RAIL TRANSP. AND HAUL-----	4	-	19	1,451	1,470	1,474	338	1,812	24,000	-	11,310	54,991	66,301	90,301	595	38	61
ROCK/ROOF BOLTER-----	8	-	19	619	638	646	304	950	48,000	-	12,885	26,641	39,526	87,526	678	43	135
SUPERVISOR/FOREMAN-----	-	-	1	25	26	26	17	43	-	-	50	816	866	866	50	33	33
TECH./PROF./CLERICAL-----	1	-	5	231	236	237	36	273	6,000	-	1,400	8,473	9,873	15,873	280	37	67
TIMBERMAN/JACKSETTER-----	-	-	1	44	45	45	10	55	-	-	75	861	936	936	75	20	21
TRUCK DRIVER-----	-	-	1	33	34	34	17	51	-	-	1,500	1,306	2,806	2,806	1,500	40	83
WELDER/MACHINIST-----	1	-	6	252	258	259	60	319	6,000	-	375	8,622	8,997	14,997	62	34	58
N.E.C. OR UNKNOWN-----																	
TOTAL OR AVERAGE-----	45	2	175	8,973	9,150	9,195	2,182	11,377	270,000	12,000	88,075	353,105	453,180	723,180	503	39	79
SURFACE MINES:																	
STRIP:																	
BELTMAN/BOOM OPR.-----	-	-	-	4	4	4	1	5	-	-	-	135	135	135	-	34	34
BULLDOZER/MOBILE EQUIP.-----	3	-	4	257	261	264	61	325	18,000	-	750	10,816	11,566	29,566	188	42	112
DRAG/CRAVE/SNOVEL OPR.-----	-	-	1	75	76	76	35	111	-	-	50	4,285	4,335	4,335	50	57	57
DREDGE/BARGE/BOAT-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
DRILL OPERATOR-----	-	-	2	81	83	83	29	112	-	-	4,560	3,717	8,277	8,277	2,280	46	100
ELECTRICIAN-----	-	-	2	43	45	45	24	69	-	-	170	1,139	1,309	1,309	85	26	29
FRONT END LOADER-----	1	-	-	107	107	108	31	139	6,000	-	-	3,419	3,419	9,419	-	32	87
LABORER-----	2	-	-	141	141	143	62	205	12,000	-	-	3,996	3,996	15,996	-	28	112
LOADING MACH. OPR.-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MECHANIC/MAINTENANCE-----	1	-	15	468	483	484	304	788	6,000	-	3,845	13,253	17,098	23,098	256	28	48
MINING MACH. OPR.-----	-	-	-	4	4	4	1	5	-	-	-	96	96	96	-	24	24
POWDERMAN/BLASTER-----	-	-	2	42	44	44	7	51	-	-	100	1,158	1,258	1,258	50	28	29
PREP. PLANT OPR.-----	-	-	-	28	28	28	19	47	-	-	-	902	902	902	-	32	32
RAIL TRANSP. AND HAUL-----	-	-	-	3	3	3	3	6	-	-	-	235	235	235	-	78	78
SUPERVISOR/FOREMAN-----	-	-	-	44	44	44	34	78	-	-	-	1,175	1,175	1,175	-	27	27
TECH./PROF./CLERICAL-----	-	-	-	8	8	8	14	22	-	-	-	227	227	227	-	28	28
TRUCK DRIVER-----	2	-	5	187	192	194	41	235	12,000	-	3,200	6,390	9,590	21,590	640	34	111
WELDER/MACHINIST-----	-	-	1	123	124	124	101	225	-	-	50	3,952	4,002	4,002	50	32	32
N.E.C. OR UNKNOWN-----	-	-	1	23	24	24	18	42	-	-	3,000	449	3,449	3,449	3,000	20	144
TOTAL OR AVERAGE-----	9	-	33	1,639	1,672	1,681	786	2,467	54,000	-	15,725	55,345	71,070	125,070	477	34	74

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
AUGER:																	
DRAG/CRANE/SHOVEL OPR. --	-	-	-	1	1	1	-	1	-	-	-	32	32	32	-	32	32
ELECTRICIAN-----	-	-	-	2	2	2	-	2	-	-	-	11	11	11	-	6	6
FRONT END LOADER-----	-	-	-	4	4	4	1	5	-	-	-	93	93	93	-	23	23
LABORER-----	-	-	-	2	2	2	2	4	-	-	-	63	63	63	-	32	32
LOADING MACH. OPR.-----	-	-	-	1	1	1	1	2	-	-	-	52	52	52	-	52	52
MECHANIC/MAINTENANCE-----	-	-	-	4	4	4	2	6	-	-	-	144	144	144	-	36	36
MINING MACH. OPR.-----	-	-	2	12	14	14	1	15	-	-	1,260	733	1,993	630	61	142	
SUPERVISOR/FOREMAN-----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
N.E.C. OR UNKNOWN-----	-	-	-	1	1	1	-	1	-	-	-	53	53	53	-	53	53
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	630	44	84	
CULM BANK:																	
BULLDOZER/MOBILE EQUIP. --	-	-	-	4	4	4	-	4	-	-	-	56	56	56	-	14	14
FRONT END LOADER-----	-	-	-	2	2	2	-	2	-	-	-	133	133	133	-	66	66
LABORER-----	-	-	-	3	3	3	-	3	-	-	-	31	31	31	-	10	10
MECHANIC/MAINTENANCE-----	-	-	-	4	4	4	-	4	-	-	-	357	357	357	-	89	89
PREP. PLANT OPR.-----	-	-	-	2	2	2	-	2	-	-	-	32	32	32	-	16	16
SUPERVISOR/FOREMAN-----	-	-	-	2	2	2	3	5	-	-	-	216	216	216	-	108	108
TRUCK DRIVER-----	-	-	-	5	5	5	-	5	-	-	-	195	195	195	-	39	39
WELDER/MACHINIST-----	-	-	-	2	2	2	-	2	-	-	-	97	97	97	-	48	48
N.E.C. OR UNKNOWN-----	-	-	-	2	2	2	-	2	-	-	-	138	138	138	-	69	69
TOTAL OR AVERAGE-----	-	-	-	26	26	26	3	29	-	-	-	1,255	1,255	1,255	-	48	48
DREDGE:																	
DREDGE/BARGE/BOAT-----	-	-	-	1	1	1	-	1	-	-	-	8	8	8	-	8	8
LABORER-----	-	-	-	2	2	2	-	2	-	-	-	20	20	20	-	10	10
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL							
		TOTAL	PARTIAL													
TOTAL OR AVERAGE, SURFACE:																
BELTMAN/BOOM OPR.	-	-	-	4	4	4	1	5	-	-	135	135	135	-	34	34
BULLDOZER/MOBILE EQUIP.	3	-	4	261	265	268	61	329	18,000	-	750	10,872	11,622	29,622	188	42
DRAG/CRANE/SHOVEL OPR.	-	-	1	76	77	77	35	112	-	-	50	4,317	4,367	4,367	50	57
DREDGE/BARGE/BOAT	-	-	-	2	2	2	-	2	-	-	-	9	9	9	-	4
DRILL OPERATOR	-	-	2	81	83	83	29	112	-	-	4,560	3,717	8,277	8,277	2,280	46
ELECTRICIAN	-	-	2	45	47	47	24	71	-	-	170	1,150	1,320	1,320	85	26
FRONT END LOADER	1	-	-	113	113	114	32	146	6,000	-	-	3,645	3,645	9,645	-	32
LABORER	2	-	-	148	148	150	64	214	12,000	-	-	4,110	4,110	16,110	-	28
LOADING MACH. OPR.	-	-	-	1	1	1	2	3	-	-	-	52	52	52	-	52
MECHANIC/MAINTENANCE	1	-	15	476	491	492	306	798	6,000	-	3,845	13,754	17,599	23,599	256	29
MINING MACH. OPR.	-	-	2	16	18	18	2	20	-	-	1,260	829	2,089	2,089	630	52
POWDERMAN/BLASTER	-	-	2	42	44	44	7	51	-	-	100	1,158	1,258	1,258	50	28
PREP. PLANT OPR.	-	-	-	30	30	30	19	49	-	-	-	934	934	934	-	31
RAIL TRANSP. AND HAUL	-	-	-	3	3	3	3	6	-	-	-	235	235	235	-	78
SUPERVISOR/FOREMAN	-	-	-	46	46	46	40	86	-	-	-	1,391	1,391	1,391	-	30
TECH./PROF./CLERICAL	-	-	-	8	8	8	14	22	-	-	-	227	227	227	-	28
TRUCK DRIVER	2	-	5	192	197	199	41	240	12,000	-	3,200	6,585	9,785	21,785	640	34
WELDER/MACHINIST	-	-	1	125	126	126	101	227	-	-	50	4,049	4,099	4,099	50	32
N.E.C. OR UNKNOWN	-	-	1	26	27	27	18	45	-	-	3,000	640	3,640	3,640	3,000	25
TOTAL OR AVERAGE	9	-	35	1,695	1,730	1,739	799	2,538	54,000	-	16,985	57,809	74,794	128,794	485	34
TOTAL OR AVERAGE, MINING:																
BELTMAN/BOOM OPR.	1	-	9	621	630	631	112	743	6,000	-	4,650	23,037	27,687	33,687	517	37
BULLDOZER/MOBILE EQUIP.	3	-	4	278	282	285	68	353	18,000	-	750	11,930	12,680	30,680	188	43
CAR DUMP/GRIZZLY/SCREEN	-	-	-	4	4	4	-	4	-	-	-	60	60	60	-	15
CLEANUP/VENTILATION	-	-	2	221	223	223	37	260	-	-	350	9,633	9,983	9,983	175	44
DRAG/CRANE/SHOVEL OPR.	-	-	1	88	89	89	38	127	-	-	50	5,349	5,399	5,399	50	61
DREDGE/BARGE/BOAT	-	-	-	3	3	3	-	3	-	-	-	11	11	11	-	4
DRILL OPERATOR	1	-	2	130	132	133	40	173	6,000	-	4,560	5,883	10,443	16,443	2,280	45
ELECTRICIAN	6	-	14	460	474	480	160	640	36,000	-	3,695	16,383	20,078	56,078	264	36
FRONT END LOADER	1	-	-	127	127	128	39	167	6,000	-	-	4,793	4,793	10,793	-	38
HAUL DUMP	4	1	14	1,082	1,097	1,101	167	1,268	24,000	6,000	11,070	46,456	63,526	87,526	791	43
HOT/ST/CAGE/SKIP	-	-	-	6	6	6	2	8	-	-	-	184	184	184	-	31
LABORER	8	-	37	1,956	1,993	2,001	478	2,479	48,000	-	12,255	77,083	89,338	137,338	331	39
LOADING MACH. OPR.	-	-	2	38	40	40	14	54	-	-	3,600	1,382	4,982	4,982	1,800	36
MECHANIC/MAINTENANCE	3	-	39	1,384	1,423	1,426	559	1,985	18,000	-	11,885	47,141	59,026	77,026	305	34
MINING MACH. OPR.	9	1	20	870	891	900	183	1,083	54,000	6,000	17,600	34,404	58,004	112,004	880	40
POWDERMAN/BLASTER	2	-	2	71	73	75	10	85	12,000	-	100	1,868	1,968	13,968	50	26
PREP. PLANT OPR.	-	-	2	38	40	40	25	65	-	-	200	1,534	1,734	1,734	100	40
RAIL TRANSP. AND HAUL	-	-	3	239	242	242	53	295	-	-	450	9,181	9,631	9,631	150	38
ROCK/ROOF BOLTER	4	-	19	1,451	1,470	1,474	338	1,812	24,000	-	11,310	54,991	66,301	90,301	595	38
SUPERVISOR/FOREMAN	8	-	19	665	684	692	344	1,036	48,000	-	12,885	28,032	40,917	88,917	678	42
TECH./PROF./CLERICAL	-	-	1	33	34	34	31	65	-	-	50	1,043	1,093	1,093	50	32
TIMBERMAN/JACKSETTER	1	-	5	231	236	237	36	273	6,000	-	1,400	8,473	9,873	15,873	280	37
TRUCK DRIVER	2	-	6	236	242	244	51	295	12,000	-	3,275	7,446	10,721	22,721	546	32
WELDER/MACHINIST	-	-	2	158	160	160	118	278	-	-	1,550	5,355	6,905	6,905	775	34
N.E.C. OR UNKNOWN	1	-	7	278	285	286	78	364	6,000	-	3,375	9,262	12,637	18,637	482	33
TOTAL OR AVERAGE	54	2	210	10,668	10,880	10,934	2,981	13,915	324,000	12,000	105,060	410,914	527,974	851,974	500	39

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL	PERMANENT						TEMPO- RARY	
		TOTAL	PARTIAL							TOTAL	PARTIAL						
INDEPENDENT SHOPS:																	
BELTMAN/BOOM OPR.-----	-	-	-	1	1	1	-	1	-	-	-	11	11	11	-	11	11
BULLDOZER/MOBILE EQUIP.---	1	-	-	-	1	1	1	2	6,000	-	-	-	-	6,000	-	-	6,000
CLEANUP/VENTILATION-----	-	-	-	1	1	1	-	1	-	-	-	10	10	-	10	10	
DRAW/CRAVE/SWHEEL OPR.---	-	-	-	4	4	4	1	5	-	-	-	68	68	68	-	17	17
DREDGE/BARGE/BOAT-----	-	-	-	3	3	3	1	4	-	-	-	9	9	9	-	3	3
ELECTRICIAN-----	-	-	-	7	7	7	1	8	-	-	-	254	254	254	-	36	36
LABORER-----	-	-	-	4	4	4	3	7	-	-	-	10	10	10	-	2	2
MECHANIC/MAINTENANCE-----	-	-	1	26	27	27	16	43	-	50	1,037	1,087	1,087	50	40	40	
PREP. PLANT OPR.-----	-	-	-	4	4	4	2	6	-	-	-	85	85	85	-	21	21
RAIL TRANSP. AND HAUL-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
SUPERVISOR/FOREMAN-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
TECH./PROF./CLERICAL-----	-	-	-	4	4	4	-	4	-	-	-	55	55	55	-	14	14
TRUCK DRIVER-----	-	-	1	2	3	3	-	3	-	50	36	86	86	50	18	29	29
WELDER/MACHINIST-----	-	-	-	10	10	10	20	30	-	-	-	279	279	279	-	28	28
N.E.C. OR UNKNOWN-----	-	-	-	2	2	2	2	4	-	-	-	252	252	252	-	126	126
TOTAL OR AVERAGE-----	1	-	2	70	72	73	48	121	6,000	-	100	2,108	2,208	8,208	50	30	112
PROCESSING PLANTS:																	
BELTMAN/BOOM OPR.-----	-	-	1	6	7	7	1	8	-	-	240	138	378	378	240	23	54
BULLDOZER/MOBILE EQUIP.---	-	-	-	37	37	37	5	42	-	-	-	979	979	979	-	26	26
CLEANUP/VENTILATION-----	-	-	-	3	3	3	1	4	-	-	-	60	60	60	-	20	20
DRAW/CRAVE/SWHEEL OPR.---	-	-	-	22	22	22	1	23	-	-	-	1,172	1,172	1,172	-	53	53
DREDGE/BARGE/BOAT-----	-	-	-	9	9	9	1	10	-	-	-	654	654	654	-	73	73
DRILL OPERATOR-----	-	-	-	1	1	1	2	3	-	-	-	21	21	21	-	21	21
ELECTRICIAN-----	-	-	2	39	41	41	6	47	-	170	1,347	1,517	1,517	85	35	37	
FRONT END LOADER-----	1	-	-	36	36	37	12	49	6,000	-	-	1,120	1,120	7,120	-	31	192
HAUL DUMP-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
HOTSP/CAGE/SKIP-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
LABORER-----	-	-	8	132	140	140	46	186	-	-	3,520	4,276	7,796	7,796	440	32	56
MECHANIC/MAINTENANCE-----	-	-	4	201	205	205	107	312	-	-	6,700	7,661	14,361	14,361	1,675	38	70
MINING MACH. OPR.-----	-	-	-	2	2	2	-	2	-	-	-	59	59	59	-	30	30
PREP. PLANT OPR.-----	-	-	5	143	148	148	70	218	-	-	500	4,839	5,339	5,339	100	34	36
RAIL TRANSP. AND HAUL-----	-	-	-	27	27	27	4	31	-	-	-	1,657	1,657	1,657	-	61	61
SUPERVISOR/FOREMAN-----	1	-	2	42	44	45	28	73	6,000	-	100	938	1,038	7,038	50	22	156
TECH./PROF./CLERICAL-----	-	-	1	15	16	16	10	26	-	-	50	295	345	345	50	20	22
TRUCK DRIVER-----	1	-	1	26	27	28	8	36	6,000	-	120	1,146	1,266	7,266	120	44	260
WELDER/MACHINIST-----	1	1	5	80	86	87	24	111	6,000	6,000	3,450	3,013	12,463	18,463	690	38	212
N.E.C. OR UNKNOWN-----	-	-	-	19	19	19	8	27	-	-	-	663	663	663	-	35	35
TOTAL OR AVERAGE-----	4	1	29	841	871	875	336	1,211	24,000	6,000	14,850	30,039	50,889	74,889	512	36	86

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE																	
ALL MINES AND PLANTS:																	
BELTMAN/BOOM OPR.	1	-	10	628	638	639	113	752	6,000	-	4,890	23,186	28,076	34,076	489	37	53
BULLDOZER/MOBILE EQUIP.	4	-	4	315	319	323	74	397	24,000	-	750	12,909	13,659	37,659	188	41	117
CAR DUMP/GRIZZLY/SCREEN	-	-	-	4	4	4	-	4	-	-	-	60	60	60	-	15	15
CLEANUP/VENTILATION	-	-	2	225	227	227	38	265	-	-	350	9,703	10,053	10,053	175	43	44
DRAG/CRAVE/SHOVEL OPR.	-	-	1	114	115	115	40	155	-	-	50	6,589	6,639	6,639	50	58	58
DREDGE/BARGE/BOAT	-	-	-	15	15	15	2	17	-	-	-	674	674	-	-	45	45
DRILL OPERATOR	1	-	2	131	133	134	42	176	6,000	-	4,560	5,904	10,464	16,464	2,280	45	123
ELECTRICIAN	6	-	16	506	522	528	167	695	36,000	-	3,865	17,984	21,849	57,849	242	36	110
FRONT END LOADER	2	-	-	163	163	165	51	216	12,000	-	-	5,913	5,913	17,913	-	36	109
HAUL DUMP	4	1	14	1,083	1,098	1,102	167	1,269	24,000	6,000	11,070	46,457	63,527	87,527	791	43	79
HOT/ST/CAGE/SKIP	-	-	-	6	6	6	4	10	-	-	-	184	184	-	-	31	31
LABORER	8	-	45	2,092	2,137	2,145	527	2,672	48,000	-	15,775	81,369	97,144	145,144	351	39	68
LOADING MACH. OPR.	-	-	2	38	40	40	14	54	-	-	3,600	1,382	4,982	4,982	1,800	36	125
MECHANIC/MAINTENANCE	3	-	44	1,611	1,655	1,658	682	2,340	18,000	-	18,635	55,839	74,474	92,474	424	35	56
MINING MACH. OPR.	9	1	20	872	893	902	183	1,085	54,000	6,000	17,600	34,463	58,063	112,063	880	40	124
POWDERMAN/BLASTER	2	-	2	71	73	75	10	85	12,000	-	100	1,868	1,968	13,968	50	26	186
PREP. PLANT OPR.	-	-	7	185	192	192	97	289	-	-	700	6,458	7,158	7,158	100	35	37
RAIL TRANSP. AND HAUL	-	-	3	267	270	270	57	327	-	-	450	10,839	11,289	11,289	150	41	42
ROCK/ROOF BOLTER	4	-	19	1,451	1,470	1,474	338	1,812	24,000	-	11,310	54,991	66,301	90,301	595	38	61
SUPERVISOR/FOREMAN	9	-	21	708	729	738	373	1,111	54,000	-	12,985	28,971	41,956	95,956	618	41	130
TECH./PROF./CLERICAL	-	-	2	52	54	54	41	95	-	-	100	1,393	1,493	1,493	50	27	28
TIMBERMAN/JACKSETTER	1	-	5	231	236	237	36	273	6,000	-	1,400	8,473	9,873	15,873	280	37	67
TRUCK DRIVER	3	-	8	264	272	275	59	334	18,000	-	3,445	8,628	12,073	30,073	431	33	109
WELDER/MACHINIST	1	1	7	248	256	257	162	419	6,000	6,000	5,000	8,647	19,647	25,647	714	35	100
N.E.C. OR UNKNOWN	1	-	7	299	306	307	88	395	6,000	-	3,375	10,177	13,552	19,552	482	34	64
TOTAL OR AVERAGE-----	59	3	241	11,579	11,823	11,882	3,365	15,247	354,000	18,000	120,010	443,061	581,071	935,071	498	38	79
OFFICE:																	
LABORER	-	-	-	4	4	4	-	4	-	-	-	16	16	16	-	4	4
MECHANIC/MAINTENANCE	-	-	-	1	1	1	2	3	-	-	-	2	2	2	-	2	2
MINING MACH. OPR.	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
PREP. PLANT OPR.	-	-	-	2	2	2	-	2	-	-	-	3	3	3	-	2	2
ROCK/ROOF BOLTER	-	-	-	1	1	1	-	1	-	-	-	46	46	46	-	46	46
SUPERVISOR/FOREMAN	-	-	-	1	1	1	2	3	-	-	-	4	4	4	-	4	4
TECH./PROF./CLERICAL	-	-	-	6	6	6	4	10	-	-	-	115	115	115	-	19	19
TIMBERMAN/JACKSETTER	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
N.E.C. OR UNKNOWN	-	-	-	2	2	2	-	2	-	-	-	25	25	25	-	12	12
TOTAL OR AVERAGE-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
GRAND TOTAL OR AVERAGE:																	
BELTMAN/BOOM OPR.-----	1	-	10	628	638	639	113	752	6,000	-	4,890	23,186	28,076	34,076	489	37	53
BULLDOZER/MOBILE EQUIP.---	4	-	4	315	319	323	74	397	24,000	-	750	12,909	13,659	37,659	188	41	117
CAR DUMP/GRIZZLY/SCREEN---	-	-	-	4	4	4	-	4	-	-	-	60	60	60	-	15	15
CLEANUP/VENTILATION-----	-	-	2	225	227	227	38	265	-	-	350	9,703	10,053	10,053	175	43	44
DRAG/CRAVE/SHOVEL OPR.---	-	-	1	114	115	115	40	155	-	-	50	6,589	6,639	6,639	50	58	58
DREDGE/BARGE/BOAT-----	-	-	-	15	15	15	2	17	-	-	-	674	674	674	-	45	45
DRILL OPERATOR-----	1	-	2	131	133	134	42	176	6,000	-	4,560	5,904	10,464	16,464	2,280	45	123
ELECTRICIAN-----	6	-	16	506	522	528	167	695	36,000	-	3,865	17,984	21,849	57,849	242	36	110
FRONT END LOADER-----	2	-	-	163	163	165	51	216	12,000	-	-	5,913	5,913	17,913	-	36	109
HAUL, DUMP-----	4	1	14	1,083	1,098	1,102	167	1,269	24,000	6,000	11,070	46,457	63,527	87,527	791	43	79
HIST/CAGE/SKIP-----	-	-	-	6	6	6	4	10	-	-	-	184	184	184	-	31	31
LABORER-----	8	-	45	2,096	2,141	2,149	527	2,676	48,000	-	15,775	81,385	97,160	145,160	351	39	68
LOADING MACH. OPR.-----	-	-	2	38	40	40	14	54	-	-	3,600	1,382	4,982	4,982	1,800	36	125
MECHANIC/MAINTENANCE-----	3	-	44	1,612	1,656	1,659	684	2,343	18,000	-	18,635	55,841	74,476	92,476	424	35	56
MINING MACH. OPR.-----	9	1	20	872	893	902	185	1,087	54,000	6,000	17,600	34,463	58,063	112,063	880	40	124
PONDERMAN/BLASTER-----	2	-	2	71	73	75	10	85	12,000	-	100	1,868	1,968	13,968	50	26	186
PREP. PLANT OPR.-----	-	-	7	187	194	194	97	291	-	-	700	6,461	7,161	7,161	100	35	37
RAIL TRANSP. AND HAUL.-----	-	-	3	267	270	270	57	327	-	-	450	10,839	11,289	11,289	150	41	42
ROCK/ROOF BOLTER-----	4	-	19	1,452	1,471	1,475	338	1,813	24,000	-	11,310	55,037	66,347	90,347	595	38	61
SUPERVISOR/FOREMAN-----	9	-	21	709	730	739	375	1,114	54,000	-	12,985	28,975	41,960	95,960	618	41	130
TECH./PROF./CLERICAL-----	-	-	2	58	60	60	45	105	-	-	100	1,508	1,608	1,608	50	26	27
TIMBERMAN/JACKSETTER-----	1	-	5	231	236	237	37	274	6,000	-	1,400	8,473	9,873	15,873	280	37	67
TRUCK DRIVER-----	3	-	8	264	272	275	59	334	18,000	-	3,445	8,628	12,073	30,073	431	33	109
WELDER/MACHINIST-----	1	1	7	248	256	257	162	419	6,000	6,000	5,000	8,647	19,647	25,647	714	35	100
N.E.C. OR UNKNOWN-----	1	-	7	301	308	309	88	397	6,000	-	3,375	10,202	13,577	19,577	482	34	63
TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,893	3,376	15,275	354,000	18,000	120,010	443,272	581,282	935,282	498	38	79

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, 1990

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	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND:																	
BELTMAN/BOOM OPR.-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
LABORER-----	-	-	1	5	6	6	-	6	-	-	50	97	147	147	50	19	
SUPERVISOR/FOREMAN-----	-	-	-	3	3	3	1	4	-	-	-	381	381	381	-	127	
TOTAL OR AVERAGE-----	-	-	1	8	9	9	2	11	-	-	50	478	528	528	50	60	
SURFACE AT UNDERGROUND:																	
LABORER-----	-	-	-	2	2	2	-	2	-	-	-	8	8	8	-	4	
SUPERVISOR/FOREMAN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	2	2	2	1	3	-	-	-	8	8	8	-	4	
TOTAL OR AVERAGE, UG:																	
BELTMAN/BOOM OPR.-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
LABORER-----	-	-	1	7	8	8	-	8	-	-	50	105	155	155	50	15	
SUPERVISOR/FOREMAN-----	-	-	-	3	3	3	2	5	-	-	-	381	381	381	-	127	
TOTAL OR AVERAGE-----	-	-	1	10	11	11	3	14	-	-	50	486	536	536	50	49	
SURFACE MINES:																	
STRIP:																	
BULLDOZER/MOBILE EQUIP.---	-	-	-	9	9	9	3	12	-	-	-	449	449	449	-	50	
DRAG/CRANE/SHOVEL OPR.---	-	-	-	10	10	10	5	15	-	-	-	941	941	941	-	94	
DRILL OPERATOR-----	-	-	-	9	9	9	-	9	-	-	-	710	710	710	-	79	
ELECTRICIAN-----	-	-	-	2	2	2	-	2	-	-	-	64	64	64	-	32	
FRONT END LOADER-----	-	-	-	1	1	1	-	1	-	-	-	296	296	296	-	296	
LABORER-----	-	-	-	4	4	4	1	5	-	-	-	69	69	69	-	17	
MECHANIC/MAINTENANCE-----	-	-	-	24	24	24	1	25	-	-	-	862	862	862	-	36	
RAIL TRANSP. AND HAUL-----	-	-	-	2	2	2	-	2	-	-	-	221	221	221	-	110	
SUPERVISOR/FOREMAN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
TRUCK DRIVER-----	-	-	1	1	2	2	2	4	-	-	50	11	61	61	50	11	
WELDER/MACHINIST-----	-	-	-	14	14	14	1	15	-	-	-	1,077	1,077	1,077	-	77	
TOTAL OR AVERAGE-----	-	-	1	76	77	77	14	91	-	-	50	4,700	4,750	4,750	50	62	
CULM BANK:																	
BULLDOZER/MOBILE EQUIP.---	-	-	-	2	2	2	-	2	-	-	-	26	26	26	-	13	
FRONT END LOADER-----	-	-	-	2	2	2	-	2	-	-	-	133	133	133	-	66	
LABORER-----	-	-	-	2	2	2	-	2	-	-	-	12	12	12	-	6	
MECHANIC/MAINTENANCE-----	-	-	-	3	3	3	-	3	-	-	-	354	354	354	-	118	
SUPERVISOR/FOREMAN-----	-	-	-	1	1	1	3	4	-	-	-	1	1	1	-	1	
TRUCK DRIVER-----	-	-	-	4	4	4	-	4	-	-	-	192	192	192	-	48	
WELDER/MACHINIST-----	-	-	-	1	1	1	-	1	-	-	-	95	95	95	-	95	
N.E.C. OR UNKNOWN-----	-	-	-	1	1	1	-	1	-	-	-	129	129	129	-	129	
TOTAL OR AVERAGE-----	-	-	-	16	16	16	3	19	-	-	-	942	942	942	-	59	

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE, SURFACE:	-	-	-	11	11	11	3	14	-	-	-	475	475	475	-	43	43
BULLDOZER/MOBILE EQUIP.-----	-	-	-	10	10	10	5	15	-	-	-	941	941	941	-	94	94
DRAG/CRANE/SHOVEL OPR.-----	-	-	-	9	9	9	-	9	-	-	-	710	710	710	-	79	79
DRILL OPERATOR-----	-	-	-	2	2	2	-	2	-	-	-	64	64	64	-	32	32
ELECTRICIAN-----	-	-	-	3	3	3	-	3	-	-	-	429	429	429	-	143	143
FRONT END LOADER-----	-	-	-	6	6	6	1	7	-	-	-	81	81	81	-	14	14
LABORER-----	-	-	-	27	27	27	1	28	-	-	-	1,216	1,216	1,216	-	45	45
MECHANIC/MAINTENANCE-----	-	-	-	2	2	2	-	2	-	-	-	221	221	221	-	110	110
RAIL TRANSP. AND HAUL-----	-	-	-	1	1	1	4	5	-	-	-	1	1	1	-	1	1
SUPERVISOR/FOREMAN-----	-	-	1	5	6	6	2	8	-	-	50	203	253	253	50	41	42
TRUCK DRIVER-----	-	-	-	15	15	15	1	16	-	-	-	1,172	1,172	1,172	-	78	78
WELDER/MACHINIST-----	-	-	-	1	1	1	-	1	-	-	-	129	129	129	-	129	129
N.E.C. OR UNKNOWN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	1	92	93	93	17	110	-	-	50	5,642	5,692	5,692	50	61	61
TOTAL OR AVERAGE, MINING:	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
BELTMAN/BOOM OPR.-----	-	-	-	-	-	-	3	14	-	-	-	475	475	475	-	43	43
BULLDOZER/MOBILE EQUIP.-----	-	-	-	10	10	10	5	15	-	-	-	941	941	941	-	94	94
DRAG/CRANE/SHOVEL OPR.-----	-	-	-	9	9	9	-	9	-	-	-	710	710	710	-	79	79
DRILL OPERATOR-----	-	-	-	2	2	2	-	2	-	-	-	64	64	64	-	32	32
ELECTRICIAN-----	-	-	-	3	3	3	-	3	-	-	-	429	429	429	-	143	143
FRONT END LOADER-----	-	-	-	6	6	6	1	7	-	-	-	81	81	81	-	14	14
LABORER-----	-	-	1	13	14	14	1	15	-	-	50	186	236	236	50	14	17
MECHANIC/MAINTENANCE-----	-	-	-	27	27	27	1	28	-	-	-	1,216	1,216	1,216	-	45	45
RAIL TRANSP. AND HAUL-----	-	-	-	2	2	2	-	2	-	-	-	221	221	221	-	110	110
SUPERVISOR/FOREMAN-----	-	-	-	4	4	4	6	10	-	-	-	382	382	382	-	96	96
TRUCK DRIVER-----	-	-	1	5	6	6	2	8	-	-	50	203	253	253	50	41	42
WELDER/MACHINIST-----	-	-	-	15	15	15	1	16	-	-	-	1,172	1,172	1,172	-	78	78
N.E.C. OR UNKNOWN-----	-	-	-	1	1	1	-	1	-	-	-	129	129	129	-	129	129
TOTAL OR AVERAGE-----	-	-	2	102	104	104	20	124	-	-	100	6,128	6,228	6,228	50	60	60
INDEPENDENT SHOPS:	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
DRAG/CRANE/SHOVEL OPR.-----	-	-	-	1	1	1	1	2	-	-	-	20	20	20	-	20	20
MECHANIC/MAINTENANCE-----	-	-	-	2	2	2	1	3	-	-	-	202	202	202	-	101	101
WELDER/MACHINIST-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	3	3	3	3	6	-	-	-	222	222	222	-	74	74

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
PROCESSING PLANTS:																	
BULLDOZER/MOBILE EQUIP.----	-	-	-	1	1	1	-	1	-	-	-	73	73	73	-	73	73
DRAG/CRANE/SHOVEL OPR.----	-	-	-	2	2	2	-	2	-	-	-	70	70	70	-	35	35
DRILL OPERATOR-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
ELECTRICIAN-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
FRONT END LOADER-----	1	-	-	4	4	5	-	5	6,000	-	-	113	113	6,113	-	28	1,223
LABORER-----	-	-	3	26	29	29	2	31	-	-	310	857	1,167	1,167	103	33	40
MECHANIC/MAINTENANCE-----	-	-	-	13	13	13	4	17	-	-	-	387	387	387	-	30	30
PREP. PLANT OPR.-----	-	-	-	7	7	7	5	12	-	-	-	172	172	172	-	25	25
RAIL TRANSP. AND HAUL.-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
SUPERVISOR/FOREMAN-----	-	-	-	5	5	5	-	5	-	-	-	247	247	247	-	49	49
TECH./PROF./CLERICAL-----	-	-	-	1	1	1	1	2	-	-	-	7	7	7	-	7	7
TRUCK DRIVER-----	1	-	-	5	5	6	2	8	6,000	-	-	190	190	6,190	-	38	1,032
WELDER/MACHINIST-----	-	1	-	12	13	13	-	13	-	6,000	-	285	6,285	6,285	-	24	483
N.E.C. OR UNKNOWN-----	-	-	-	2	2	2	-	2	-	-	-	24	24	24	-	12	12
TOTAL OR AVERAGE-----	2	1	3	80	84	86	15	101	12,000	6,000	310	2,428	8,738	20,738	103	30	241
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																	
BELTMAN/BOOM OPR.-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
BULLDOZER/MOBILE EQUIP.----	-	-	-	12	12	12	3	15	-	-	-	548	548	548	-	46	46
DRAG/CRANE/SHOVEL OPR.----	-	-	-	12	12	12	6	18	-	-	-	1,011	1,011	1,011	-	84	84
DRILL OPERATOR-----	-	-	-	9	9	9	1	10	-	-	-	710	710	710	-	79	79
ELECTRICIAN-----	-	-	-	3	3	3	-	3	-	-	-	65	65	65	-	22	22
FRONT END LOADER-----	1	-	-	7	7	8	-	8	6,000	-	-	542	542	6,542	-	77	818
LABORER-----	-	-	4	39	43	43	3	46	-	-	360	1,043	1,403	1,403	90	27	33
MECHANIC/MAINTENANCE-----	-	-	-	41	41	41	6	47	-	-	-	1,623	1,623	1,623	-	40	40
PREP. PLANT OPR.-----	-	-	-	7	7	7	5	12	-	-	-	172	172	172	-	25	25
RAIL TRANSP. AND HAUL.-----	-	-	-	3	3	3	-	3	-	-	-	223	223	223	-	74	74
SUPERVISOR/FOREMAN-----	-	-	-	9	9	9	6	15	-	-	-	629	629	629	-	70	70
TECH./PROF./CLERICAL-----	-	-	-	1	1	1	1	2	-	-	-	7	7	7	-	7	7
TRUCK DRIVER-----	1	-	1	10	11	12	4	16	6,000	-	50	393	443	6,443	50	39	537
WELDER/MACHINIST-----	-	1	-	29	30	30	2	32	-	6,000	-	1,659	7,659	7,659	-	57	255
N.E.C. OR UNKNOWN-----	-	-	-	3	3	3	-	3	-	-	-	153	153	153	-	51	51
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
GRAND TOTAL OR AVERAGE:	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
BELTMAN/BOOM OPR.-----	-	-	-	-	12	12	3	15	-	-	-	-	548	548	-	46	46
BULLDOZER/MOBILE EQUIP.---	-	-	-	-	12	12	6	18	-	-	-	-	1,011	1,011	-	84	84
DRAG/CRANE/SHOVEL OPR.---	-	-	-	-	9	9	1	10	-	-	-	-	710	710	-	79	79
DRILL OPERATOR-----	-	-	-	-	3	3	-	3	-	-	-	-	65	65	-	22	22
ELECTRICIAN-----	-	-	-	-	7	7	-	8	-	-	-	-	542	542	-	77	818
FRONT END LOADER-----	1	-	-	-	39	43	3	46	6,000	-	-	-	1,043	1,403	90	27	33
LABORER-----	-	-	4	-	41	41	6	47	-	-	360	-	1,623	1,623	-	40	40
MECHANIC/MAINTENANCE-----	-	-	-	-	7	7	5	12	-	-	-	-	172	172	-	25	25
PREP. PLANT OPR.-----	-	-	-	-	3	3	-	3	-	-	-	-	223	223	-	74	74
RAIL TRANSP. AND HAUL.-----	-	-	-	-	9	9	6	15	-	-	-	-	629	629	-	70	70
SUPERVISOR/FOREMAN-----	-	-	-	-	1	1	1	2	-	-	-	-	7	7	-	7	7
TECH./PROF./CLERICAL-----	-	-	-	-	10	11	12	4	6,000	-	50	-	393	443	50	39	537
TRUCK DRIVER-----	1	-	1	-	29	30	2	32	-	6,000	-	-	1,659	7,659	-	57	255
WELDER/MACHINIST-----	-	1	-	-	3	3	-	3	-	-	-	-	153	153	-	51	51
N.E.C. OR UNKNOWN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141

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, 1990

WORK LOCATION AND OCCUPATION AT TIME 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
UNDERGROUND MINES:																	
UNDERGROUND:																	
BELTMAN/BOOM OPR.-----	1	-	9	602	611	612	103	715	6,000	-	4,650	21,930	26,580	32,580	517	36	53
CAR DUMP/GRIZZLY/SCREEN-	-	-	-	4	4	4	-	4	-	-	-	60	60	60	-	15	15
CLEANUP/VENTILATION-----	-	-	2	216	218	218	37	255	-	-	350	9,520	9,870	9,870	175	44	45
DRILL OPERATOR-----	1	-	-	44	44	45	11	56	6,000	-	-	1,904	1,904	7,904	-	43	176
ELECTRICIAN-----	5	-	9	366	375	380	116	496	30,000	-	3,375	13,695	17,070	47,070	375	37	124
HAUL, DUMP-----	4	1	13	1,064	1,078	1,082	163	1,245	24,000	6,000	11,020	46,129	63,149	87,149	848	43	81
HOIST/CAGE/SKIP-----	-	-	-	2	2	2	-	2	-	-	-	10	10	10	-	5	5
LABORER-----	5	-	34	1,654	1,688	1,693	362	2,055	30,000	-	10,895	67,575	78,470	108,470	320	41	64
LOADING MACH. OPR.-----	-	-	2	37	39	39	12	51	-	-	3,600	1,330	4,930	4,930	1,800	36	126
MECHANIC/MAINTENANCE-----	2	-	23	798	821	823	195	1,018	12,000	-	7,990	30,109	38,099	50,099	347	38	61
MINING MACH. OPR.-----	9	1	17	846	864	873	178	1,051	54,000	6,000	16,290	33,149	55,439	109,439	958	39	125
POWDERMAN/BLASTER-----	2	-	-	29	29	31	3	34	12,000	-	-	710	710	12,710	-	24	410
RAIL TRANSP. AND HAUL-----	-	-	2	212	214	214	43	257	-	-	100	8,238	8,338	8,338	50	39	39
ROCK/ROOF BOLTER-----	4	-	19	1,433	1,452	1,456	331	1,787	24,000	-	11,310	54,496	65,806	89,806	595	38	62
SUPERVISOR/FOREMAN-----	8	-	18	578	596	604	278	882	48,000	-	9,885	24,918	34,803	82,803	549	43	137
TECH./PROF./CLERICAL-----	-	-	-	17	17	17	6	23	-	-	-	726	726	726	-	43	43
TIMBERMAN/JACKSETTER-----	1	-	5	229	234	235	36	271	6,000	-	1,400	8,461	9,861	15,861	280	37	67
TRUCK DRIVER-----	-	-	1	27	28	28	7	35	-	-	75	506	581	581	75	19	21
WELDER/MACHINIST-----	-	-	1	19	20	20	9	29	-	-	1,500	504	2,004	2,004	1,500	27	100
N.E.C. OR UNKNOWN-----	1	-	2	208	210	211	50	261	6,000	-	100	7,565	7,665	13,665	50	36	65
TOTAL OR AVERAGE-----	43	2	157	8,385	8,544	8,587	1,940	10,527	258,000	12,000	82,540	331,535	426,075	684,075	526	40	80
SURFACE AT UNDERGROUND:																	
BELTMAN/BOOM OPR.-----	-	-	-	15	15	15	7	22	-	-	-	972	972	972	-	65	65
BULLDOZER/MOBILE EQUIP.---	-	-	-	17	17	17	7	24	-	-	-	1,058	1,058	1,058	-	62	62
CLEANUP/VENTILATION-----	-	-	-	5	5	5	-	5	-	-	-	113	113	113	-	23	23
DRAG/CRAVE/SKIP OPR.---	-	-	-	12	12	12	3	15	-	-	-	1,032	1,032	1,032	-	86	86
DREDGE/BARGE/BOAT-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
DRILL OPERATOR-----	-	-	-	5	5	5	-	5	-	-	-	262	262	262	-	52	52
ELECTRICIAN-----	1	-	3	49	52	53	20	73	6,000	-	150	1,538	1,688	7,688	50	31	145
FRONT END LOADER-----	-	-	-	14	14	14	7	21	-	-	-	1,148	1,148	1,148	-	82	82
HAUL, DUMP-----	-	-	1	18	19	19	4	23	-	-	50	327	377	377	50	18	20
HOIST/CAGE/SKIP-----	-	-	-	4	4	4	2	6	-	-	-	174	174	174	-	44	44
LABORER-----	1	-	2	147	149	150	52	202	6,000	-	1,310	5,293	6,603	12,603	655	36	84
MECHANIC/MAINTENANCE-----	-	-	1	110	111	111	58	169	-	-	50	3,278	3,328	3,328	50	30	30
MINING MACH. OPR.-----	-	-	1	8	9	9	3	12	-	-	50	426	476	476	50	53	53
PREP. PLANT OPR.-----	-	-	2	8	10	10	6	16	-	-	200	600	800	800	100	75	80
RAIL TRANSP. AND HAUL-----	-	-	1	24	25	25	7	32	-	-	350	708	1,058	1,058	350	30	42
ROCK/ROOF BOLTER-----	-	-	-	18	18	18	7	25	-	-	-	495	495	495	-	28	28
SUPERVISOR/FOREMAN-----	-	-	1	38	39	39	24	63	-	-	3,000	1,342	4,342	4,342	3,000	35	111
TECH./PROF./CLERICAL-----	-	-	1	8	9	9	11	20	-	-	50	90	140	140	50	11	16
TIMBERMAN/JACKSETTER-----	-	-	-	2	2	2	-	2	-	-	-	12	12	12	-	6	6
TRUCK DRIVER-----	-	-	-	17	17	17	3	20	-	-	-	355	355	355	-	21	21
WELDER/MACHINIST-----	-	-	-	14	14	14	8	22	-	-	-	802	802	802	-	57	57
N.E.C. OR UNKNOWN-----	-	-	4	44	48	48	10	58	-	-	275	1,057	1,332	1,332	69	24	28
TOTAL OR AVERAGE-----	2	-	17	578	595	597	239	836	12,000	-	5,485	21,084	26,569	38,569	323	36	65

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE, UG:																	
BELTMAN/BOOM OPR	1	-	9	617	626	627	110	737	6,000	-	4,650	22,902	27,552	33,552	517	37	54
BULLDOZER/MOBILE EQUIP	-	-	-	17	17	17	7	24	-	-	-	1,058	1,058	1,058	-	62	62
CAR DUMP/GRIZZLY/SCREEN	-	-	-	4	4	4	-	4	-	-	-	60	60	60	-	15	15
CLEANUP/VENTILATION	-	-	2	221	223	223	37	260	-	-	350	9,633	9,983	9,983	175	44	45
DRAG/CRANE/SHOVEL OPR	-	-	-	12	12	12	3	15	-	-	-	1,032	1,032	1,032	-	86	86
DREDGE/BARGE/BOAT	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
DRILL OPERATOR	1	-	-	49	49	50	11	61	6,000	-	-	2,166	2,166	8,166	-	44	163
ELECTRICIAN	6	-	12	415	427	433	136	569	36,000	-	3,525	15,233	18,758	54,758	294	37	126
FRONT END LOADER	-	-	-	14	14	14	7	21	-	-	-	1,148	1,148	1,148	-	82	82
HAUL DUMP	4	1	14	1,082	1,097	1,101	167	1,268	24,000	6,000	11,070	46,456	63,526	87,526	791	43	79
HOT/ST/CAGE/SKIP	-	-	-	6	6	6	2	8	-	-	-	184	184	184	-	31	31
LABORER	6	-	36	1,801	1,837	1,843	414	2,257	36,000	-	12,205	72,868	85,073	121,073	339	40	66
LOADING MACH. OPR	-	-	2	37	39	39	12	51	-	-	3,600	1,330	4,930	4,930	1,800	36	126
MECHANIC/MAINTENANCE	2	-	24	908	932	934	253	1,187	12,000	-	8,040	33,387	41,427	53,427	335	37	57
MINING MACH. OPR	9	1	18	854	873	882	181	1,063	54,000	6,000	16,340	33,575	55,915	109,915	908	39	125
POWDERMAN/BLASTER	2	-	-	29	29	31	3	34	12,000	-	-	710	710	12,710	-	24	410
PREP. PLANT OPR	-	-	2	8	10	10	6	16	-	-	200	600	800	800	100	75	80
RAIL TRANSP. AND HAUL	-	-	3	236	239	239	50	289	-	-	450	8,946	9,396	9,396	150	38	39
ROCK/ROOF BOLTER	4	-	19	1,451	1,470	1,474	338	1,812	24,000	-	11,310	54,991	66,301	90,301	595	38	61
SUPERVISOR/FOREMAN	8	-	19	616	635	643	302	945	48,000	-	12,885	26,260	39,145	87,145	678	43	136
TECH./PROF./CLERICAL	-	-	1	25	26	26	17	43	-	-	50	816	866	866	50	33	33
TIMBERMAN/JACKSETTER	1	-	5	231	236	237	36	273	6,000	-	1,400	8,473	9,873	15,873	280	37	67
TRUCK DRIVER	-	-	1	44	45	45	10	55	-	-	75	861	936	936	75	20	21
WELDER/MACHINIST	-	-	1	33	34	34	17	51	-	-	1,500	1,306	2,806	2,806	1,500	40	83
N.E.C. OR UNKNOWN	1	-	6	252	258	259	60	319	6,000	-	375	8,622	8,997	14,997	62	34	58
TOTAL OR AVERAGE	45	2	174	8,963	9,139	9,184	2,179	11,363	270,000	12,000	88,025	352,619	452,644	722,644	506	39	79
SURFACE MINES:																	
STRIP:																	
BELTMAN/BOOM OPR	-	-	-	4	4	4	1	5	-	-	-	135	135	135	-	34	34
BULLDOZER/MOBILE EQUIP	3	-	4	248	252	255	58	313	18,000	-	750	10,367	11,117	29,117	188	42	114
DRAG/CRANE/SHOVEL OPR	-	-	1	65	66	66	30	96	-	-	50	3,344	3,394	3,394	50	51	51
DREDGE/BARGE/BOAT	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
DRILL OPERATOR	-	-	2	72	74	74	29	103	-	-	4,560	3,007	7,567	7,567	2,280	42	102
ELECTRICIAN	-	-	2	41	43	43	24	67	-	-	170	1,075	1,245	1,245	85	26	29
FRONT END LOADER	1	-	-	106	106	107	31	138	6,000	-	-	3,123	3,123	9,123	-	29	85
LABORER	2	-	-	137	137	139	61	200	12,000	-	-	3,927	3,927	15,927	-	29	115
LOADING MACH. OPR	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MECHANIC/MAINTENANCE	1	-	15	444	459	460	303	763	6,000	-	3,845	12,391	16,236	22,236	256	28	48
MINING MACH. OPR	-	-	-	4	4	4	1	5	-	-	-	96	96	96	-	24	24
POWDERMAN/BLASTER	-	-	2	42	44	44	7	51	-	-	100	1,158	1,258	1,258	50	28	29
PREP. PLANT OPR	-	-	-	28	28	28	19	47	-	-	-	902	902	902	-	32	32
RAIL TRANSP. AND HAUL	-	-	-	1	1	1	3	4	-	-	-	14	14	14	-	14	14
SUPERVISOR/FOREMAN	-	-	-	44	44	44	33	77	-	-	-	1,175	1,175	1,175	-	27	27
TECH./PROF./CLERICAL	-	-	-	8	8	8	14	22	-	-	-	227	227	227	-	28	28
TRUCK DRIVER	2	-	4	186	190	192	39	231	12,000	-	3,150	6,379	9,529	21,529	788	34	112
WELDER/MACHINIST	-	-	1	109	110	110	100	210	-	-	50	2,875	2,925	2,925	50	26	27
N.E.C. OR UNKNOWN	-	-	1	23	24	24	18	42	-	-	3,000	449	3,449	3,449	3,000	20	144
TOTAL OR AVERAGE	9	-	32	1,563	1,595	1,604	772	2,376	54,000	-	15,675	50,645	66,320	120,320	490	32	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, 1990 (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	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
AUGER:	-	-	-	1	1	1	-	1	-	-	-	32	32	32	-	32	32
DRAG/CRANE/SHOVEL OPR.---	-	-	-	2	2	2	-	2	-	-	-	11	11	11	-	6	6
ELECTRICIAN-----	-	-	-	4	4	4	1	5	-	-	-	93	93	93	-	23	23
FRONT END LOADER-----	-	-	-	2	2	2	2	4	-	-	-	63	63	63	-	32	32
LABORER-----	-	-	-	1	1	1	1	2	-	-	-	52	52	52	-	52	52
LOADING MACH. OPR.-----	-	-	-	4	4	4	2	6	-	-	-	144	144	144	-	36	36
MECHANIC/MAINTENANCE-----	-	-	2	12	14	14	1	15	-	1,260	733	1,993	1,993	630	61	142	
MINING MACH. OPR.-----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
SUPERVISOR/FOREMAN-----	-	-	-	1	1	1	-	1	-	-	-	53	53	53	-	53	53
N.E.C. OR UNKNOWN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	2,441	630	44	84
CULM BANK:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BULLDOZER/MOBILE EQUIP.---	-	-	-	2	2	2	-	2	-	-	-	30	30	30	-	15	15
LABORER-----	-	-	-	1	1	1	-	1	-	-	-	19	19	19	-	19	19
MECHANIC/MAINTENANCE-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
PREP. PLANT OPR.-----	-	-	-	2	2	2	-	2	-	-	-	32	32	32	-	16	16
SUPERVISOR/FOREMAN-----	-	-	-	1	1	1	-	1	-	-	-	215	215	215	-	215	215
TRUCK DRIVER-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
WELDER/MACHINIST-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
N.E.C. OR UNKNOWN-----	-	-	-	1	1	1	-	1	-	-	-	9	9	9	-	9	9
TOTAL OR AVERAGE-----	-	-	-	10	10	10	-	10	-	-	-	313	313	313	-	31	31
DREDGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DREDGE/BARGE/BOAT-----	-	-	-	1	1	1	-	1	-	-	-	8	8	8	-	8	8
LABORER-----	-	-	-	2	2	2	-	2	-	-	-	20	20	20	-	10	10
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9
TOTAL OR AVERAGE, SURFACE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BELTMAN/BOOM OPR.-----	-	-	-	4	4	4	1	5	-	-	-	135	135	135	-	34	34
BULLDOZER/MOBILE EQUIP.---	3	-	4	250	254	257	58	315	18,000	-	750	10,397	11,147	29,147	188	42	113
DRAG/CRANE/SHOVEL OPR.---	-	-	1	66	67	67	30	97	-	-	50	3,376	3,426	3,426	50	51	51
DREDGE/BARGE/BOAT-----	-	-	-	2	2	2	-	2	-	-	-	9	9	9	-	4	4
DRILL OPERATOR-----	-	-	2	72	74	74	29	103	-	-	4,560	3,007	7,567	7,567	2,280	42	102
ELECTRICIAN-----	-	-	2	43	45	45	24	69	-	-	170	1,086	1,256	1,256	85	25	28
FRONT END LOADER-----	1	-	-	110	110	111	32	143	6,000	-	-	3,216	3,216	9,216	-	29	83
LABORER-----	2	-	-	142	142	144	63	207	12,000	-	-	4,029	4,029	16,029	-	28	111
LOADING MACH. OPR.-----	-	-	-	1	1	1	2	3	-	-	-	52	52	52	-	52	52
MECHANIC/MAINTENANCE-----	1	-	15	449	464	465	305	770	6,000	-	3,845	12,538	16,383	22,383	256	28	48
MINING MACH. OPR.-----	-	-	2	16	18	18	2	20	-	-	1,260	829	2,089	2,089	630	52	116
POWDERMAN/BLASTER-----	-	-	2	42	44	44	7	51	-	-	100	1,158	1,258	1,258	50	28	29
PREP. PLANT OPR.-----	-	-	-	30	30	30	19	49	-	-	-	934	934	934	-	31	31
RAIL TRANSP. AND HAUL.---	-	-	-	1	1	1	3	4	-	-	-	14	14	14	-	14	14
SUPERVISOR/FOREMAN-----	-	-	-	45	45	45	36	81	-	-	-	1,390	1,390	1,390	-	31	31
TECH. /PROF. /CLERICAL-----	-	-	-	8	8	8	14	22	-	-	-	227	227	227	-	28	28
TRUCK DRIVER-----	2	-	4	187	191	193	39	232	12,000	-	3,150	6,382	9,532	21,532	788	34	112
WELDER/MACHINIST-----	-	-	1	110	111	111	100	211	-	-	50	2,877	2,927	2,927	50	26	26
N.E.C. OR UNKNOWN-----	-	-	1	25	26	26	18	44	-	-	3,000	511	3,511	3,511	3,000	20	135
TOTAL OR AVERAGE-----	9	-	34	1,603	1,637	1,646	782	2,428	54,000	-	16,935	52,167	69,102	123,102	498	33	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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, MINING:																	
BELTMAN/BOOM OPR.	1	-	9	621	630	631	111	742	6,000	-	4,650	23,037	27,687	33,687	517	37	53
BULLDOZER/MOBILE EQUIP.	3	-	4	267	271	274	65	339	18,000	-	750	11,455	12,205	30,205	188	43	110
CAR DUMP/GRIZZLY/SCREEN	-	-	-	4	4	4	-	4	-	-	-	60	60	60	-	15	15
CLEANUP/VENTILATION	-	-	2	221	223	223	37	260	-	-	350	9,933	9,983	9,983	175	44	45
DRAG/CRAVE/SHOVEL OPR.	-	-	1	78	79	79	33	112	-	-	50	4,408	4,458	4,458	50	57	56
DREDGE/BARGE/BOAT	-	-	-	3	3	3	-	3	-	-	-	11	11	11	-	4	4
DRILL OPERATOR	1	-	2	121	123	124	40	164	6,000	-	4,560	5,173	9,733	15,733	2,280	43	127
ELECTRICIAN	6	-	14	458	472	478	160	638	36,000	-	3,695	16,319	20,014	56,014	264	36	117
FRONT END LOADER	1	-	-	124	124	125	39	164	6,000	-	-	4,364	4,364	10,364	-	35	83
HAUL DUMP	4	1	14	1,082	1,097	1,101	167	1,268	24,000	6,000	11,070	46,456	63,526	87,526	791	43	79
HOLST/CAGE/SKIP	-	-	-	6	6	6	2	8	-	-	-	184	184	184	-	31	31
LABORER	8	-	36	1,943	1,979	1,987	477	2,464	48,000	-	12,205	76,897	89,102	137,102	339	40	69
LOADING MACH. OPR.	-	-	2	38	40	40	14	54	-	-	3,600	1,382	4,982	4,982	1,800	36	125
MECHANIC/MAINTENANCE	3	-	39	1,357	1,396	1,399	558	1,957	18,000	-	11,885	45,925	57,810	75,810	305	34	54
MINING MACH. OPR.	9	1	20	870	891	900	183	1,083	54,000	6,000	17,600	34,404	58,004	112,004	880	40	124
POWDERMAN/BLASTER	2	-	2	71	73	75	10	85	12,000	-	100	1,868	1,968	13,968	50	26	186
PREP. PLANT OPR.	-	-	2	38	40	40	25	65	-	-	200	1,534	1,734	1,734	100	40	43
RAIL TRANSP. AND HAUL	-	-	3	237	240	240	53	293	-	-	450	8,960	9,410	9,410	150	38	39
ROCK/ROOF BOLTER	4	-	19	1,451	1,470	1,474	338	1,812	24,000	-	11,310	54,991	66,301	90,301	595	38	61
SUPERVISOR/FOREMAN	8	-	19	661	680	688	338	1,026	48,000	-	12,885	27,650	40,535	88,535	678	42	129
TECH./PROF./CLERICAL	-	-	1	33	34	34	31	65	-	-	50	1,043	1,093	1,093	50	32	32
TIMBERMAN/JACKSETTER	1	-	5	231	236	237	36	273	6,000	-	1,400	8,473	9,873	15,873	280	37	67
TRUCK DRIVER	2	-	5	231	236	238	49	287	12,000	-	3,225	7,243	10,468	22,468	645	31	94
WELDER/MACHINIST	-	-	2	143	145	145	117	262	-	-	1,550	4,183	5,733	5,733	775	29	40
N.E.C. OR UNKNOWN	1	-	7	277	284	285	78	363	6,000	-	3,375	9,133	12,508	18,508	482	33	65
TOTAL OR AVERAGE	54	2	208	10,566	10,776	10,830	2,961	13,791	324,000	12,000	104,960	404,786	521,746	845,746	505	38	78
INDEPENDENT SHOPS:																	
BELTMAN/BOOM OPR.	-	-	-	1	1	1	-	1	-	-	-	11	11	11	-	11	11
BULLDOZER/MOBILE EQUIP.	1	-	-	-	-	-	1	2	6,000	-	-	-	-	6,000	-	-	6,000
CLEANUP/VENTILATION	-	-	-	1	1	1	-	1	-	-	-	10	10	10	-	10	10
DRAG/CRAVE/SHOVEL OPR.	-	-	-	4	4	4	-	4	-	-	-	68	68	68	-	17	17
DREDGE/BARGE/BOAT	-	-	-	3	3	3	1	4	-	-	-	9	9	9	-	3	3
ELECTRICIAN	-	-	-	7	7	7	1	8	-	-	-	254	254	254	-	36	36
LABORER	-	-	-	4	4	4	3	7	-	-	-	10	10	10	-	2	2
MECHANIC/MAINTENANCE	-	-	1	25	26	26	15	41	-	-	50	1,017	1,067	1,067	50	41	41
PREP. PLANT OPR.	-	-	-	4	4	4	2	6	-	-	-	85	85	85	-	21	21
RAIL TRANSP. AND HAUL	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
SUPERVISOR/FOREMAN	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
TECH./PROF./CLERICAL	-	-	-	4	4	4	-	4	-	-	-	55	55	55	-	14	14
TRUCK DRIVER	-	-	1	2	3	3	-	3	-	-	50	36	86	86	50	18	29
WELDER/MACHINIST	-	-	-	8	8	8	19	27	-	-	-	77	77	77	-	10	10
N.E.C. OR UNKNOWN	-	-	-	2	2	2	2	4	-	-	-	252	252	252	-	126	126
TOTAL OR AVERAGE	1	-	2	67	69	70	45	115	6,000	-	100	1,886	1,986	7,986	50	28	114

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
PROCESSING PLANTS:																	
BELTMAN/BOOM OPR.-----	-	-	1	6	7	7	1	8	-	-	240	138	378	378	240	23	54
BULLDOZER/MOBILE EQUIP.---	-	-	-	36	36	36	5	41	-	-	-	906	906	906	-	25	25
CLEANUP/VENTILATION-----	-	-	-	3	3	3	1	4	-	-	-	60	60	60	-	20	20
DRAG/Crane/SHOVEL OPR.-----	-	-	-	20	20	20	1	21	-	-	-	1,102	1,102	1,102	-	55	55
DREDGE/BARGE/BOAT-----	-	-	-	9	9	9	1	10	-	-	-	654	654	654	-	73	73
DRILL OPERATOR-----	-	-	-	1	1	1	1	2	-	-	-	21	21	21	-	21	21
ELECTRICIAN-----	-	-	2	38	40	40	6	46	-	-	170	1,346	1,516	1,516	85	35	38
FRONT END LOADER-----	-	-	-	32	32	32	12	44	-	-	-	1,007	1,007	1,007	-	31	31
HAUL DUMP-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
HOIST/CAGE/SKIP-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
LABORER-----	-	-	5	106	111	111	44	155	-	-	3,210	3,419	6,629	6,629	642	32	60
MECHANIC/MAINTENANCE-----	-	-	4	188	192	192	103	295	-	-	6,700	7,274	13,974	13,974	1,675	39	73
MINING MACH. OPR.-----	-	-	-	2	2	2	-	2	-	-	-	59	59	59	-	30	30
PREP. PLANT OPR.-----	-	-	5	136	141	141	65	206	-	-	500	4,667	5,167	5,167	100	34	37
RAIL TRANSP. AND HAUL.-----	-	-	-	26	26	26	4	30	-	-	-	1,655	1,655	1,655	-	64	64
SUPERVISOR/FOREMAN-----	1	-	2	37	39	40	28	68	6,000	-	100	691	791	6,791	50	19	170
TECH./PROF./CLERICAL-----	-	-	1	14	15	15	9	24	-	-	50	288	338	338	50	21	23
TRUCK DRIVER-----	-	-	1	21	22	22	6	28	-	-	120	956	1,076	1,076	120	46	49
WELDER/MACHINIST-----	1	-	5	68	73	74	24	98	6,000	-	3,450	2,728	6,178	12,178	690	40	165
N.E.C. OR UNKNOWN-----	-	-	-	17	17	17	8	25	-	-	-	639	639	639	-	38	38
TOTAL OR AVERAGE-----	2	-	26	761	787	789	321	1,110	12,000	-	14,540	27,611	42,151	54,151	559	36	69

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE	1	-	10	628	638	639	112	751	6,000	-	4,890	23,186	28,076	34,076	489	37	53
ALL MINES AND PLANTS:	4	-	4	303	307	311	71	382	24,000	-	750	12,361	13,111	37,111	188	41	119
BELTMAN/BOOM OPR	-	-	-	4	4	4	-	4	-	-	-	60	60	60	-	15	15
BULLDOZER/MOBILE EQUIP	-	-	2	225	227	227	38	265	-	-	350	9,703	10,053	10,053	175	43	44
CAR DUMP/GRIZZLY/SCREEN	-	-	1	102	103	103	34	137	-	-	50	5,578	5,628	5,628	50	55	55
CLEANUP/VENTILATION	-	-	-	15	15	15	2	17	-	-	-	674	674	674	-	45	45
DRAG/CRANE/SHOVEL OPR	1	-	2	122	124	125	41	166	6,000	-	4,560	5,194	9,754	15,754	2,280	43	126
DREDGE/BARGE/BOAT	6	-	16	503	519	525	167	692	36,000	-	3,865	17,919	21,784	57,784	242	36	110
DRILL OPERATOR	1	-	-	156	156	157	51	208	6,000	-	-	5,371	5,371	11,371	-	34	72
ELECTRICIAN	4	1	14	1,083	1,098	1,102	167	1,269	24,000	6,000	11,070	46,457	63,527	87,527	791	43	79
FRONT END LOADER	-	-	-	6	6	6	4	10	-	-	-	184	184	184	-	31	31
HAUL, DUMP	8	-	41	2,053	2,094	2,102	524	2,626	48,000	-	15,415	80,326	95,741	143,741	376	39	68
HOIST/CAGE/SKIP	-	-	2	38	40	40	14	54	-	-	3,600	1,382	4,982	4,982	1,800	36	125
LABORER	3	-	44	1,570	1,614	1,617	676	2,293	18,000	-	18,635	54,216	72,851	90,851	424	35	56
LOADING MACH. OPR	9	1	20	872	893	902	183	1,085	54,000	6,000	17,600	34,463	58,063	112,063	880	40	124
MECHANIC/MAINTENANCE	2	-	2	71	73	75	10	85	12,000	-	100	1,868	1,968	13,968	50	26	186
MINING MACH. OPR	-	-	7	178	185	185	92	277	-	-	700	6,286	6,986	6,986	100	35	38
POWDERMAN/BLASTER	-	-	3	264	267	267	57	324	-	-	450	10,616	11,066	11,066	150	40	41
PREP. PLANT OPR	4	-	19	1,451	1,470	1,474	338	1,812	24,000	-	11,310	54,991	66,301	90,301	595	38	61
RAIL TRANSP. AND HAUL	9	-	21	699	720	729	367	1,096	54,000	-	12,985	28,342	41,327	95,327	618	41	131
ROCK/ROOF BOLTER	-	-	2	51	53	53	40	93	-	-	100	1,386	1,486	1,486	50	27	28
SUPERVISOR/FOREMAN	1	-	5	231	236	237	36	273	6,000	-	1,400	8,473	9,873	15,873	280	37	67
TECH./PROF./CLERICAL	2	-	7	254	261	263	55	318	12,000	-	3,395	8,235	11,630	23,630	485	32	90
TIMBERMAN/JACKSETTER	1	-	7	219	226	227	160	387	6,000	-	5,000	6,988	11,988	17,988	714	32	79
TRUCK DRIVER	1	-	7	296	303	304	88	392	6,000	-	3,375	10,024	13,399	19,399	482	34	64
WELDER/MACHINIST																	
N.E.C. OR UNKNOWN																	
TOTAL OR AVERAGE	57	2	236	11,394	11,632	11,689	3,327	15,016	342,000	12,000	119,600	434,283	565,883	907,883	507	38	78
OFFICE:																	
LABORER	-	-	-	4	4	4	-	4	-	-	-	16	16	16	-	4	4
MECHANIC/MAINTENANCE	-	-	-	1	1	1	2	3	-	-	-	2	2	2	-	2	2
MINING MACH. OPR	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
PREP. PLANT OPR	-	-	-	2	2	2	-	2	-	-	-	3	3	3	-	2	2
ROCK/ROOF BOLTER	-	-	-	1	1	1	-	1	-	-	-	46	46	46	-	46	46
SUPERVISOR/FOREMAN	-	-	-	1	1	1	2	3	-	-	-	4	4	4	-	4	4
TECH./PROF./CLERICAL	-	-	-	6	6	6	4	10	-	-	-	115	115	115	-	19	19
TIMBERMAN/JACKSETTER	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
N.E.C. OR UNKNOWN	-	-	-	2	2	2	-	2	-	-	-	25	25	25	-	12	12
TOTAL OR AVERAGE	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL					
		TOTAL	PARTIAL							TOTAL	PARTIAL							
GRAND TOTAL OR AVERAGE:	1	-	10	628	638	639	112	751	6,000	-	4,890	23,186	28,076	34,076	489	37	53	
BELTMAN/BOOM OPR.-----	4	-	4	303	307	311	71	382	24,000	-	750	12,361	13,111	37,111	188	41	119	
BULLDOZER/MOBILE EQUIP.---	-	-	-	4	4	4	-	4	-	-	-	60	60	60	-	15	15	
CAR DUMP/GRIZZLY/SCREEN---	-	-	2	225	227	227	38	265	-	-	350	9,703	10,053	10,053	175	43	44	
CLEANUP/VENTILATION-----	-	-	1	102	103	103	34	137	-	-	50	5,578	5,628	5,628	50	55	55	
DRAG/CRAVE/SNOVEL OPR.---	-	-	-	15	15	15	2	17	-	-	-	674	674	674	-	45	45	
DREDGE/BARGE/BOAT-----	1	-	2	122	124	125	41	166	6,000	-	4,560	5,194	9,754	15,754	2,280	43	126	
DRILL OPERATOR-----	6	-	16	503	519	525	167	692	36,000	-	3,865	17,919	21,784	57,784	242	36	110	
ELECTRICIAN-----	1	-	-	156	156	157	51	208	6,000	-	-	5,371	5,371	11,371	-	34	72	
FRONT END LOADER-----	4	1	14	1,083	1,098	1,102	167	1,269	24,000	6,000	11,070	46,457	63,527	87,527	791	43	79	
HAUL DUMP-----	-	-	-	6	6	6	4	10	-	-	-	184	184	184	-	31	31	
HOIST/CAGE/SKIP-----	8	-	41	2,057	2,098	2,106	524	2,630	48,000	-	15,415	80,342	95,757	143,757	376	39	68	
LABORER-----	-	-	2	38	40	40	14	54	-	-	3,600	1,382	4,982	4,982	1,800	36	125	
LOADING MACH. OPR.-----	3	-	44	1,571	1,615	1,618	678	2,296	18,000	-	18,635	54,218	72,853	90,853	424	35	56	
MECHANIC/MAINTENANCE-----	9	1	20	872	893	902	185	1,087	54,000	6,000	17,600	34,463	58,063	112,063	880	40	124	
MINING MACH. OPR.-----	2	-	2	71	73	75	10	85	12,000	-	100	1,868	1,968	13,968	50	26	186	
POWDERMAN/BLASTER-----	-	-	7	180	187	187	92	279	-	-	700	6,289	6,989	6,989	100	35	37	
PREP. PLANT OPR.-----	-	-	3	264	267	267	57	324	-	-	450	10,616	11,066	11,066	150	40	41	
RAIL TRANSP. AND HAUL.---	4	-	19	1,452	1,471	1,475	338	1,813	24,000	-	11,310	55,037	66,347	90,347	595	38	61	
ROCK/ROOF BOLTER-----	9	-	21	700	721	730	369	1,099	54,000	-	12,985	28,346	41,331	95,331	618	40	131	
SUPERVISOR/FOREMAN-----	-	-	2	57	59	59	44	103	-	-	100	1,501	1,601	1,601	50	26	27	
TECH./PROF./CLERICAL-----	1	-	5	231	236	237	37	274	6,000	-	1,400	8,473	9,873	15,873	280	37	67	
TIMBERMAN/JACKSETTER-----	2	-	7	254	261	263	55	318	12,000	-	3,395	8,235	11,630	23,630	485	32	90	
TRUCK DRIVER-----	1	-	7	219	226	227	160	387	6,000	-	5,000	6,988	11,988	17,988	714	32	79	
WELDER/MACHINIST-----	1	-	7	298	305	306	88	394	6,000	-	3,375	10,049	13,424	19,424	482	34	63	
N.E.C. OR UNKNOWN-----	57	2	236	11,411	11,649	11,706	3,338	15,044	342,000	12,000	119,600	434,494	566,094	908,094	507	38	78	
TOTAL OR AVERAGE-----																		

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, 1990

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND:																	
ELECTRICAL-----	5	-	-	101	101	106	14	120	30,000	-	-	2,103	2,103	32,103	-	21	303
EXPLODING VESSEL	-	-	-	10	10	10	7	17	-	-	-	515	515	515	-	52	52
UNDER PRESSURE-----	-	-	-	10	10	10	7	17	-	-	-	515	515	515	-	52	52
EXPLOSIVE AND BREAKING	3	-	-	10	10	13	5	18	18,000	-	-	226	226	18,226	-	23	1,402
AGENT-----	-	-	-	10	10	13	5	18	-	-	-	226	226	18,226	-	23	1,402
FALLING, ROLLING, OR	-	-	-	17	17	17	-	17	-	-	-	635	635	635	-	37	37
SLIDING MATERIAL-----	-	-	-	17	17	17	-	17	-	-	-	635	635	635	-	37	37
FALL OF FACE, RIB, SIDE	-	-	1	139	140	140	29	169	-	-	1,200	5,567	6,767	6,767	1,200	40	48
OR HIGHWALL-----	-	-	1	139	140	140	29	169	-	-	1,200	5,567	6,767	6,767	1,200	40	48
FALL OF ROOF (UNDER-	21	2	6	547	555	576	148	724	126,000	12,000	12,700	23,873	48,573	174,573	2,117	44	303
GROUND MINES ONLY)-----	-	-	-	4	4	4	6	10	-	-	-	12	12	12	-	3	3
FIRE-----	-	-	-	4	4	4	6	10	-	-	-	12	12	12	-	3	3
HANDLING MATERIAL-----	-	-	95	2,939	3,034	3,034	581	3,615	-	-	19,645	118,142	137,787	137,787	207	40	45
HAND TOOL-----	-	-	5	643	648	648	372	1,020	-	-	3,410	19,103	22,513	22,513	682	30	35
NONPOWERED HAULAGE-----	-	-	3	37	40	40	5	45	-	-	3,360	1,876	5,236	5,236	1,120	51	131
POWERED HAULAGE-----	6	-	18	1,082	1,100	1,106	194	1,300	36,000	-	21,235	46,904	68,139	104,139	1,180	43	94
HOISTING-----	-	-	-	5	5	5	1	6	-	-	-	159	159	159	-	32	32
IGNITION OR EXPLOSION	-	-	-	9	9	9	1	10	-	-	-	515	515	515	-	57	57
OF GAS OR DUST-----	-	-	-	9	9	9	1	10	-	-	-	515	515	515	-	57	57
INUNDATION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MACHINERY-----	8	-	21	1,291	1,312	1,320	359	1,679	48,000	-	15,415	44,098	59,513	107,513	734	34	81
SLIP OR FALL OF	-	-	8	1,118	1,126	1,126	128	1,254	-	-	4,500	49,967	54,467	54,467	562	45	48
PERSON-----	-	-	8	1,118	1,126	1,126	128	1,254	-	-	4,500	49,967	54,467	54,467	562	45	48
STEPPING OR KNEELING	-	-	-	201	201	201	29	230	-	-	-	5,961	5,961	5,961	-	30	30
ON OBJECT-----	-	-	-	128	128	128	53	181	-	-	-	5,011	5,011	5,011	-	39	39
STRIKING OR BUMPING-----	-	-	-	128	128	128	53	181	-	-	-	5,011	5,011	5,011	-	39	39
OTHER INJURIES-----	-	-	1	112	113	113	9	122	-	-	1,125	7,346	8,471	8,471	1,125	66	75
TOTAL OR AVERAGE-----	43	2	158	8,393	8,553	8,596	1,942	10,538	258,000	12,000	82,590	332,013	426,603	684,603	523	40	80
SURFACE AT UNDERGROUND:																	
ELECTRICAL-----	1	-	-	8	8	9	5	14	6,000	-	-	325	325	6,325	-	41	703
EXPLODING VESSEL	-	-	-	1	1	1	1	2	-	-	-	51	51	51	-	51	51
UNDER PRESSURE-----	-	-	-	1	1	1	1	2	-	-	-	51	51	51	-	51	51
FALL OF FACE, RIB, SIDE	1	-	-	4	4	5	-	5	6,000	-	-	766	766	6,766	-	192	1,353
OR HIGHWALL-----	-	-	-	4	4	5	-	5	-	-	-	766	766	6,766	-	192	1,353
FIRE-----	-	-	-	1	1	1	1	2	-	-	-	4	4	4	-	4	4
HANDLING MATERIAL-----	-	-	9	253	262	262	83	345	-	-	3,450	9,603	13,053	13,053	383	38	50
HAND TOOL-----	-	-	3	50	53	53	71	124	-	-	225	1,264	1,489	1,489	75	25	28
NONPOWERED HAULAGE-----	-	-	3	3	3	3	1	4	-	-	-	65	65	65	-	22	22
POWERED HAULAGE-----	-	-	4	53	57	57	12	69	-	-	610	2,358	2,968	2,968	152	44	52
HOISTING-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
IGNITION OR EXPLOSION	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
OF GAS OR DUST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MACHINERY-----	-	-	-	30	30	30	30	60	-	-	-	640	640	640	-	21	21
SLIP OR FALL OF	-	-	1	151	152	152	27	179	-	-	1,200	5,179	6,379	6,379	1,200	34	42
PERSON-----	-	-	1	151	152	152	27	179	-	-	1,200	5,179	6,379	6,379	1,200	34	42
STEPPING OR KNEELING	-	-	-	12	12	12	1	13	-	-	-	446	446	446	-	37	37
ON OBJECT-----	-	-	-	1	1	1	2	3	-	-	-	3	3	3	-	3	3
STRIKING OR BUMPING-----	-	-	-	13	13	13	4	17	-	-	-	388	388	388	-	30	30
OTHER INJURIES-----	-	-	-	13	13	13	4	17	-	-	-	388	388	388	-	30	30
TOTAL OR AVERAGE-----	2	-	17	580	597	599	240	839	12,000	-	5,485	21,092	26,577	38,577	323	36	64

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, UG:-----	6	-	-	109	109	115	19	134	36,000	-	-	2,428	2,428	38,428	-	22	334
ELECTRICAL-----	-	-	-	11	11	11	8	19	-	-	-	566	566	566	-	51	51
EXPLODING VESSEL UNDER PRESSURE-----	3	-	-	10	10	13	5	18	18,000	-	-	226	226	18,226	-	23	1,402
EXPLOSIVE AND BREAKING AGENT-----	-	-	-	17	17	17	-	17	-	-	-	635	635	635	-	37	37
FALLING, ROLLING, OR SLIDING MATERIAL-----	1	-	1	143	144	145	29	174	6,000	-	1,200	6,333	7,533	13,533	1,200	44	93
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	21	2	6	547	555	576	148	724	126,000	12,000	12,700	23,873	48,573	174,573	2,117	44	303
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	-	-	-	5	5	5	7	12	-	-	-	16	16	16	-	3	3
FIRE-----	-	-	104	3,192	3,296	3,296	664	3,960	-	-	23,095	127,745	150,840	150,840	222	40	46
HANDLING MATERIAL-----	-	-	8	693	701	701	443	1,144	-	-	3,635	20,367	24,002	24,002	454	29	34
HAND TOOL-----	-	-	3	40	43	43	6	49	-	-	3,360	1,941	5,301	5,301	1,120	49	123
NONPOWERED HAULAGE-----	6	-	22	1,135	1,157	1,163	206	1,369	36,000	-	21,845	49,262	71,107	107,107	993	43	92
POWERED HAULAGE-----	-	-	-	5	5	5	2	7	-	-	-	159	159	159	-	32	32
HOISTING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IGNITION OR EXPLOSION OF GAS OR DUST-----	-	-	-	9	9	9	2	11	-	-	-	515	515	515	-	57	57
INUNDATION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MACHINERY-----	8	-	21	1,321	1,342	1,350	389	1,739	48,000	-	15,415	44,738	60,153	108,153	734	34	80
SLIP OR FALL OF PERSON-----	-	-	9	1,269	1,278	1,278	155	1,433	-	-	5,700	55,146	60,846	60,846	633	43	48
STEPPING OR KNEELING ON OBJECT-----	-	-	-	213	213	213	30	243	-	-	-	6,407	6,407	6,407	-	30	30
STRIKING OR BUMPING-----	-	-	-	129	129	129	55	184	-	-	-	5,014	5,014	5,014	-	39	39
OTHER INJURIES-----	-	-	1	125	126	126	13	139	-	-	1,125	7,734	8,859	8,859	1,125	62	70
TOTAL OR AVERAGE-----	45	2	175	8,973	9,150	9,195	2,182	11,377	270,000	12,000	88,075	353,105	453,180	723,180	503	39	79

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SURFACE MINES:																	
STRIP:																	
ELECTRICAL-----	-	-	-	19	19	19	2	21	-	-	-	278	278	278	-	15	15
EXPLODING VESSEL	-	-	-	10	10	10	-	10	-	-	-	229	229	229	-	23	23
UNDER PRESSURE	-	-	-	10	10	10	-	10	-	-	-	229	229	229	-	23	23
EXPLOSIVE AND BREAKING	-	-	-	10	10	10	-	10	-	-	-	229	229	229	-	23	23
AGENT-----	1	-	-	5	5	6	1	7	6,000	-	-	116	116	6,116	-	23	1,019
FALLING, ROLLING, OR	-	-	-	5	5	5	1	6	-	-	-	101	3,101	3,101	3,000	25	620
SLIDING MATERIAL	-	-	1	4	5	5	1	6	-	-	3,000	101	3,101	3,101	3,000	25	620
FALL OF FACE, RIB, SIDE	-	-	-	12	12	12	4	16	-	-	-	393	393	393	-	33	33
OR HIGHWALL-----	-	-	-	12	12	12	4	16	-	-	-	393	393	393	-	33	33
FIRE-----	-	-	-	13	13	13	4	17	-	-	-	383	383	383	-	29	29
HANDLING MATERIAL-----	-	-	14	474	488	488	243	731	-	-	710	15,098	15,808	15,808	51	32	32
HAND TOOL-----	-	-	1	132	133	133	181	314	-	-	50	2,987	3,037	3,037	50	23	23
NONPOWERED HAULAGE-----	-	-	-	4	4	4	1	5	-	-	-	26	26	26	-	6	6
POWERED HAULAGE-----	3	-	3	165	168	171	46	217	18,000	-	7,600	6,255	13,855	31,855	2,533	38	186
IGNITION OR EXPLOSION	-	-	-	4	4	4	-	4	-	-	-	186	186	186	-	46	46
OF GAS OR DUST-----	-	-	-	4	4	4	-	4	-	-	-	186	186	186	-	46	46
MACHINERY-----	2	-	6	202	208	210	167	377	12,000	-	935	5,987	6,922	18,922	156	30	90
SLIP OR FALL OF	-	-	-	4	4	4	-	4	-	-	-	186	186	186	-	46	46
PERSON-----	2	-	8	511	519	521	98	619	12,000	-	3,430	21,324	24,754	36,754	429	42	71
STEPPING OR KNEELING	-	-	-	43	43	43	11	54	-	-	-	950	950	950	-	22	22
ON OBJECT-----	-	-	-	43	43	43	11	54	-	-	-	950	950	950	-	22	22
STRIKING OR BUMPING-----	-	-	-	5	5	5	2	7	-	-	-	36	36	36	-	7	7
OTHER INJURIES-----	1	-	-	36	36	37	25	62	6,000	-	-	996	996	6,996	-	28	189
TOTAL OR AVERAGE-----	9	-	33	1,639	1,672	1,681	786	2,467	54,000	-	15,725	55,345	71,070	125,070	477	34	74
AUGER:																	
FALL OF FACE, RIB, SIDE	-	-	-	6	6	6	1	7	-	-	-	315	315	315	-	52	52
OR HIGHWALL-----	-	-	-	6	6	6	1	7	-	-	-	315	315	315	-	52	52
HANDLING MATERIAL-----	-	-	-	5	5	5	4	9	-	-	-	225	225	225	-	45	45
HAND TOOL-----	-	-	-	3	3	3	1	4	-	-	-	42	42	42	-	14	14
POWERED HAULAGE-----	-	-	-	1	1	1	-	1	-	-	-	21	21	21	-	21	21
MACHINERY-----	-	-	1	1	2	2	2	4	-	-	60	5	65	65	60	5	32
SLIP OR FALL OF	-	-	-	8	8	8	2	11	-	-	-	135	1,335	1,335	1,200	17	148
PERSON-----	-	-	1	8	9	9	2	11	-	-	1,200	135	1,335	1,335	1,200	17	148
OTHER INJURIES-----	-	-	-	3	3	3	-	3	-	-	-	438	438	438	-	146	146
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	2,441	630	44	84
CULM BANK:																	
HANDLING MATERIAL-----	-	-	-	8	8	8	-	8	-	-	-	53	53	53	-	7	7
HAND TOOL-----	-	-	-	2	2	2	-	2	-	-	-	271	271	271	-	136	136
POWERED HAULAGE-----	-	-	-	2	2	2	-	2	-	-	-	46	46	46	-	23	23
MACHINERY-----	-	-	-	4	4	4	2	6	-	-	-	132	132	132	-	33	33
SLIP OR FALL OF	-	-	-	10	10	10	1	11	-	-	-	753	753	753	-	75	75
PERSON-----	-	-	-	10	10	10	1	11	-	-	-	753	753	753	-	75	75
TOTAL OR AVERAGE-----	-	-	-	26	26	26	3	29	-	-	-	1,255	1,255	1,255	-	48	48

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
DREDGE: HANDLING MATERIAL-----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9
TOTAL OR AVERAGE, SURFACE:																	
ELECTRICAL-----	-	-	-	19	19	19	2	21	-	-	-	278	278	278	-	15	15
EXPLODING VESSEL UNDER PRESSURE-----	-	-	-	10	10	10	-	10	-	-	-	229	229	229	-	23	23
EXPLOSIVE AND BREAKING AGENT-----	1	-	-	5	5	6	1	7	6,000	-	-	116	116	6,116	-	23	1,019
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	-	1	4	5	5	1	6	-	-	3,000	101	3,101	3,101	3,000	25	620
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	-	-	-	18	18	18	5	23	-	-	-	708	708	708	-	39	39
FIRE-----	-	-	-	13	13	13	4	17	-	-	-	383	383	383	-	29	29
HANDLING MATERIAL-----	-	-	14	490	504	504	247	751	-	-	710	15,404	16,114	16,114	51	31	32
HAND TOOL-----	-	-	1	137	138	138	182	320	-	-	50	3,300	3,350	3,350	50	24	24
NONPOWERED HAULAGE-----	-	-	-	4	4	4	1	5	-	-	-	26	26	26	-	6	6
POWERED HAULAGE-----	3	-	3	168	171	174	46	220	18,000	-	7,600	6,322	13,922	31,922	2,533	38	183
IGNITION OR EXPLOSION OF GAS OR DUST-----	-	-	-	4	4	4	-	4	-	-	-	186	186	186	-	46	46
MACHINERY-----	2	-	7	207	214	216	171	387	12,000	-	995	6,124	7,119	19,119	142	30	89
SLIP OR FALL OF PERSON-----	2	-	9	529	538	540	101	641	12,000	-	4,630	22,212	26,842	38,842	514	42	72
STEPPING OR KNEELING ON OBJECT-----	-	-	-	43	43	43	11	54	-	-	-	950	950	950	-	22	22
STRIKING OR BUMPING-----	-	-	-	5	5	5	2	7	-	-	-	36	36	36	-	7	7
OTHER INJURIES-----	1	-	-	39	39	40	25	65	6,000	-	-	1,434	1,434	7,434	-	37	186
TOTAL OR AVERAGE-----	9	-	35	1,695	1,730	1,739	799	2,538	54,000	-	16,985	57,809	74,794	128,794	485	34	74

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE, MINING:	6	-	-	128	128	134	21	155	36,000	-	-	2,706	2,706	38,706	-	21	289
ELECTRICAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL UNDER PRESSURE-----	-	-	-	21	21	21	8	29	-	-	-	795	795	795	-	38	38
EXPLOSIVE AND BREAKING AGENT-----	4	-	-	15	15	19	6	25	24,000	-	-	342	342	24,342	-	23	1,281
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	-	1	21	22	22	1	23	-	-	3,000	736	3,736	3,736	3,000	35	170
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	1	-	1	161	162	163	34	197	6,000	-	1,200	7,041	8,241	14,241	1,200	44	87
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	21	2	6	547	555	576	148	724	126,000	12,000	12,700	23,873	48,573	174,573	2,117	44	303
FIRE-----	-	-	-	18	18	18	11	29	-	-	-	399	399	-	-	22	22
HANDLING MATERIAL-----	-	-	118	3,682	3,800	3,800	911	4,711	-	-	23,805	143,149	166,954	166,954	202	39	44
HAND TOOL-----	-	-	9	830	839	839	625	1,464	-	-	3,685	23,667	27,352	27,352	409	29	33
NONPOWERED HAULAGE-----	-	-	3	44	47	47	7	54	-	-	3,360	1,967	5,327	5,327	1,120	45	113
POWERED HAULAGE-----	9	-	25	1,303	1,328	1,337	252	1,589	54,000	-	29,445	55,584	85,029	139,029	1,178	43	104
HOISTING-----	-	-	-	5	5	5	2	7	-	-	-	159	159	-	-	32	32
IGNITION OR EXPLOSION OF GAS OR DUST-----	-	-	-	13	13	13	2	15	-	-	-	701	701	701	-	54	54
INUNDATION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MACHINERY-----	10	-	28	1,528	1,556	1,566	560	2,126	60,000	-	16,410	50,862	67,272	127,272	586	33	81
SLIP OR FALL OF PERSON-----	2	-	18	1,798	1,816	1,818	256	2,074	12,000	-	10,330	77,358	87,688	99,688	574	43	55
STEPPING OR KNEELING ON OBJECT-----	-	-	-	256	256	256	41	297	-	-	-	7,357	7,357	7,357	-	29	29
STRIKING OR BUMPING-----	-	-	-	134	134	134	57	191	-	-	-	5,050	5,050	5,050	-	38	38
OTHER INJURIES-----	1	-	1	164	165	166	38	204	6,000	-	1,125	9,168	10,293	16,293	1,125	56	98
TOTAL OR AVERAGE-----	54	2	210	10,668	10,880	10,934	2,981	13,915	324,000	12,000	105,060	410,914	527,974	851,974	500	39	78
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICAL-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
HANDLING MATERIAL-----	-	-	2	28	30	30	17	47	-	-	100	672	772	772	50	24	26
HAND TOOL-----	-	-	-	16	16	16	13	29	-	-	-	325	325	325	-	20	20
POWERED HAULAGE-----	-	-	-	4	4	4	-	4	-	-	-	256	256	256	-	64	64
IGNITION OR EXPLOSION OF GAS OR DUST-----	1	-	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	-	6,000
MACHINERY-----	-	-	-	5	5	5	12	17	-	-	-	46	46	46	-	9	9
SLIP OR FALL OF PERSON-----	-	-	-	10	10	10	4	14	-	-	-	632	632	632	-	63	63
STEPPING OR KNEELING ON OBJECT-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
STRIKING OR BUMPING-----	-	-	-	2	2	2	2	5	-	-	-	132	132	132	-	66	66
OTHER INJURIES-----	-	-	-	3	3	3	2	5	-	-	-	41	41	41	-	14	14
TOTAL OR AVERAGE-----	1	-	2	70	72	73	48	121	6,000	-	100	2,108	2,208	8,208	50	30	112

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
PROCESSING PLANTS:																	
ELECTRICAL-----	1	-	-	9	9	10	-	10	6,000	-	-	177	177	6,177	-	20	618
ENTRAPMENT-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDER PRESSURE-----	-	-	-	3	3	3	1	4	-	-	-	93	93	93	-	31	31
FALLING, ROLLING, OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIDING MATERIAL-----	2	-	-	2	2	4	-	4	12,000	-	-	98	98	12,098	-	49	3,024
FIRE-----	-	-	-	3	3	3	-	3	-	-	-	33	33	33	-	11	11
HANDLING MATERIAL-----	-	1	14	304	319	319	121	440	-	6,000	770	10,984	17,754	17,754	55	36	56
HAND TOOL-----	-	-	2	96	98	98	82	180	-	-	100	3,617	3,717	3,717	50	38	38
NONPOWERED HAULAGE-----	-	-	-	6	6	6	1	7	-	-	-	671	671	671	-	112	112
POWERED HAULAGE-----	-	-	9	65	74	74	14	88	-	-	7,120	2,677	9,797	9,797	791	41	132
HOISTING-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
IGNITION OR EXPLOSION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OF GAS OR DUST-----	-	-	-	4	4	4	-	4	-	-	-	213	213	213	-	53	53
MACHINERY-----	-	-	1	74	75	75	57	132	-	-	3,000	1,703	4,703	4,703	3,000	23	63
SLIP OR FALL OF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERSON-----	1	-	3	231	234	235	46	281	6,000	-	3,860	8,426	12,286	18,286	1,287	36	78
STEPPING OR KNEELING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ON OBJECT-----	-	-	-	17	17	17	3	20	-	-	-	363	363	363	-	21	21
STRIKING OR BUMPING-----	-	-	-	7	7	7	1	8	-	-	-	177	177	177	-	25	25
OTHER INJURIES-----	-	-	-	20	20	20	8	28	-	-	-	807	807	807	-	40	40
TOTAL OR AVERAGE-----	4	1	29	841	871	875	336	1,211	24,000	6,000	14,850	30,039	50,889	74,889	512	36	86

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE																	
ALL MINES AND PLANTS:																	
ELECTRICAL-----	7	-	-	138	138	145	21	166	42,000	-	-	2,884	2,884	44,884	-	21	310
ENTRAPMENT-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
EXPLODING VESSEL	-	-	-	24	24	24	9	33	-	-	-	888	888	888	-	37	37
UNDER PRESSURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EXPLOSIVE AND BREAKING	4	-	-	15	15	19	6	25	24,000	-	-	342	342	24,342	-	23	1,281
AGENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FALLING, ROLLING, OR	2	-	1	23	24	26	1	27	12,000	-	3,000	834	3,834	15,834	3,000	36	609
SLIDING MATERIAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FALL OF FACE, RIB, SIDE	1	-	1	161	162	163	34	197	6,000	-	1,200	7,041	8,241	14,241	1,200	44	87
OR HIGHWALL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FALL OF ROOF (UNDER-	21	2	6	547	555	576	148	724	126,000	12,000	12,700	23,873	48,573	174,573	2,117	44	303
GROUND MINES ONLY)-----	-	-	-	21	21	21	11	32	-	-	-	432	432	-	-	21	21
FIRE-----	-	1	134	4,014	4,149	4,149	1,049	5,198	-	6,000	24,675	154,805	185,480	185,480	184	39	45
HANDLING MATERIAL-----	-	-	11	942	953	953	720	1,673	-	-	3,785	27,609	31,394	31,394	344	29	33
HAND TOOL-----	-	-	3	50	53	53	8	61	-	-	3,360	2,638	5,998	5,998	1,120	53	113
NONPOWERED HAULAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POWERED HAULAGE-----	9	-	34	1,372	1,406	1,415	266	1,681	54,000	-	36,565	58,517	95,082	149,082	1,075	43	105
HOISTING-----	-	-	-	5	5	5	3	8	-	-	-	159	159	-	-	32	32
IGNITION OR EXPLOSION	1	-	-	17	17	18	2	20	6,000	-	-	914	914	6,914	-	54	384
OF GAS OR DUST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
INUNDATION-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY-----	10	-	29	1,607	1,636	1,646	629	2,275	60,000	-	19,410	52,611	72,021	132,021	669	33	80
SLIP OR FALL OF	3	-	21	2,039	2,060	2,063	306	2,369	18,000	-	14,190	86,416	100,606	118,606	676	42	57
PERSON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEPPING OR KNEELING	-	-	-	274	274	274	44	318	-	-	-	7,723	7,723	7,723	-	28	28
ON OBJECT-----	-	-	-	143	143	143	58	201	-	-	-	5,359	5,359	5,359	-	37	37
STRIKING OR BUMPING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURIES-----	1	-	1	187	188	189	48	237	6,000	-	1,125	10,016	11,141	17,141	1,125	54	91
TOTAL OR AVERAGE-----	59	3	241	11,579	11,823	11,882	3,365	15,247	354,000	18,000	120,010	443,061	581,071	935,071	498	38	79
OFFICE:																	
ELECTRICAL-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
FALLING, ROLLING, OR	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SLIDING MATERIAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLING MATERIAL-----	-	-	-	9	9	9	4	13	-	-	-	108	108	108	-	12	12
HAND TOOL-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SLIP OR FALL OF	-	-	-	6	6	6	4	10	-	-	-	44	44	44	-	7	7
PERSON-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
STRIKING OR BUMPING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	57	57	57	-	57	57
TOTAL OR AVERAGE-----	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NOI	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						
GRAND TOTAL OR AVERAGE:-----	7	-	-	139	139	146	21	167	42,000	-	-	2,886	2,886	44,886	-	21	307
ELECTRICAL-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
ENTRAPMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL UNDER PRESSURE-----	-	-	-	24	24	24	9	33	-	-	-	888	888	888	-	37	37
EXPLOSIVE AND BREAKING AGENT-----	4	-	-	15	15	19	6	25	24,000	-	-	342	342	24,342	-	23	1,281
FALLING, ROLLING, OR SLIDING MATERIAL-----	2	-	1	23	24	26	2	28	12,000	-	3,000	834	3,834	15,834	3,000	36	609
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	1	-	1	161	162	163	34	197	6,000	-	1,200	7,041	8,241	14,241	1,200	44	87
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	21	2	6	547	555	576	148	724	126,000	12,000	12,700	23,873	48,573	174,573	2,117	44	303
FIRE-----	-	-	-	21	21	21	11	32	-	-	-	432	432	-	-	21	21
HANDLING MATERIAL-----	-	1	134	4,023	4,158	4,158	1,053	5,211	-	6,000	24,675	154,913	185,588	185,588	184	39	45
HAND TOOL-----	-	-	11	942	953	953	721	1,674	-	-	3,785	27,609	31,394	31,394	344	29	33
NONPOWERED HAULAGE-----	-	-	3	50	53	53	8	61	-	-	3,360	2,638	5,998	5,998	1,120	53	113
POWERED HAULAGE-----	9	-	34	1,372	1,406	1,415	266	1,681	54,000	-	36,565	58,517	95,082	149,082	1,075	43	105
HOISTING-----	-	-	-	5	5	5	3	8	-	-	-	159	159	-	-	32	32
IGNITION OR EXPLOSION OF GAS OR DUST-----	1	-	-	17	17	18	2	20	6,000	-	-	914	914	6,914	-	54	384
INUNDATION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MACHINERY-----	10	-	29	1,607	1,636	1,646	629	2,275	60,000	-	19,410	52,611	72,021	132,021	669	33	80
SLIP OR FALL OF PERSON-----	3	-	21	2,045	2,066	2,069	310	2,379	18,000	-	14,190	86,460	100,650	118,650	676	42	57
SIFPPING OR KNEELING ON OBJECT-----	-	-	-	274	274	274	44	318	-	-	-	7,723	7,723	7,723	-	28	28
STRIKING OR BUMPING-----	-	-	-	143	143	143	59	202	-	-	-	5,359	5,359	5,359	-	37	37
OTHER INJURIES-----	1	-	1	188	189	190	48	238	6,000	-	1,125	10,073	11,198	17,198	1,125	54	91
TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,899	3,376	15,275	354,000	18,000	120,010	443,272	581,282	935,282	498	38	79

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, 1990

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND:																	
EXPLOSIVE AND BREAKING AGENT-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
HANDLING MATERIAL-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
POWERED HAULAGE-----	-	-	-	4	4	4	-	4	-	-	-	406	406	406	-	102	102
MACHINERY-----	-	-	-	1	1	1	-	1	-	-	-	22	22	22	-	22	22
SLIP OR FALL OF PERSON-----	-	-	1	1	2	2	-	2	-	-	50	48	98	98	50	48	49
TOTAL OR AVERAGE-----	-	-	1	8	9	9	2	11	-	-	50	478	528	528	50	60	59
SURFACE AT UNDERGROUND:																	
HANDLING MATERIAL-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
OTHER INJURIES-----	-	-	-	1	1	1	1	2	-	-	-	7	7	7	-	7	7
TOTAL OR AVERAGE-----	-	-	-	2	2	2	1	3	-	-	-	8	8	8	-	4	4
TOTAL OR AVERAGE, UG:																	
EXPLOSIVE AND BREAKING AGENT-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
HANDLING MATERIAL-----	-	-	-	2	2	2	1	3	-	-	-	2	2	2	-	1	1
POWERED HAULAGE-----	-	-	-	4	4	4	-	4	-	-	-	406	406	406	-	102	102
MACHINERY-----	-	-	-	1	1	1	-	1	-	-	-	22	22	22	-	22	22
SLIP OR FALL OF PERSON-----	-	-	1	1	2	2	-	2	-	-	50	48	98	98	50	48	49
OTHER INJURIES-----	-	-	-	1	1	1	1	2	-	-	-	7	7	7	-	7	7
TOTAL OR AVERAGE-----	-	-	1	10	11	11	3	14	-	-	50	486	536	536	50	49	49
SURFACE MINES:																	
STRIP:																	
ELECTRICAL-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
HANDLING MATERIAL-----	-	-	1	28	29	29	4	33	-	-	50	1,218	1,268	1,268	50	44	44
HAND TOOL-----	-	-	-	6	6	6	4	10	-	-	-	196	196	196	-	33	33
MACHINERY-----	-	-	-	9	9	9	5	14	-	-	-	531	531	531	-	59	59
SLIP OR FALL OF PERSON-----	-	-	-	30	30	30	1	31	-	-	-	2,672	2,672	2,672	-	89	89
STEPPING OR KNEELING ON OBJECT-----	-	-	-	1	1	1	-	1	-	-	-	11	11	11	-	11	11
OTHER INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	44	44	44	-	44	44
TOTAL OR AVERAGE-----	-	-	1	76	77	77	14	91	-	-	50	4,700	4,750	4,750	50	62	62

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
CULM BANK:																	
HANDLING MATERIAL-----	-	-	-	3	3	3	-	3	-	-	-	16	16	16	-	5	5
HAND TOOL-----	-	-	-	1	1	1	-	1	-	-	-	240	240	240	-	240	240
POWERED HAULAGE-----	-	-	-	2	2	2	-	2	-	-	-	46	46	46	-	23	23
MACHINERY-----	-	-	-	2	2	2	2	4	-	-	-	111	111	111	-	56	56
SLIP OR FALL OF PERSON-----	-	-	-	8	8	8	1	9	-	-	-	529	529	529	-	66	66
TOTAL OR AVERAGE-----	-	-	-	16	16	16	3	19	-	-	-	942	942	942	-	59	59
TOTAL OR AVERAGE, SURFACE:																	
ELECTRICAL-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
HANDLING MATERIAL-----	-	-	1	31	32	32	4	36	-	-	50	1,234	1,284	1,284	50	40	40
HAND TOOL-----	-	-	-	7	7	7	4	11	-	-	-	436	436	436	-	62	62
POWERED HAULAGE-----	-	-	-	2	2	2	-	2	-	-	-	46	46	46	-	23	23
MACHINERY-----	-	-	-	11	11	11	7	18	-	-	-	642	642	642	-	58	58
SLIP OR FALL OF PERSON-----	-	-	-	38	38	38	2	40	-	-	-	3,201	3,201	3,201	-	84	84
STEPPING OR KNEELING ON OBJECT-----	-	-	-	1	1	1	-	1	-	-	-	11	11	11	-	11	11
OTHER INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	44	44	44	-	44	44
TOTAL OR AVERAGE-----	-	-	1	92	93	93	17	110	-	-	50	5,642	5,692	5,692	50	61	61
TOTAL OR AVERAGE, MINING:																	
ELECTRICAL-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
EXPLOSIVE AND BREAKING AGENT-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
HANDLING MATERIAL-----	-	-	1	33	34	34	5	39	-	-	50	1,236	1,286	1,286	50	37	38
HAND TOOL-----	-	-	-	7	7	7	4	11	-	-	-	436	436	436	-	62	62
POWERED HAULAGE-----	-	-	-	6	6	6	-	6	-	-	-	452	452	452	-	75	75
MACHINERY-----	-	-	-	12	12	12	7	19	-	-	-	664	664	664	-	55	55
SLIP OR FALL OF PERSON-----	-	-	1	39	40	40	2	42	-	-	50	3,249	3,299	3,299	50	83	82
STEPPING OR KNEELING ON OBJECT-----	-	-	-	1	1	1	-	1	-	-	-	11	11	11	-	11	11
OTHER INJURIES-----	-	-	-	2	2	2	1	3	-	-	-	51	51	51	-	26	26
TOTAL OR AVERAGE-----	-	-	2	102	104	104	20	124	-	-	100	6,128	6,228	6,228	50	60	60
INDEPENDENT SHOPS:																	
HANDLING MATERIAL-----	-	-	-	1	1	1	2	3	-	-	-	20	20	20	-	20	20
HAND TOOL-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
POWERED HAULAGE-----	-	-	-	1	1	1	-	1	-	-	-	199	199	199	-	199	199
MACHINERY-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
TOTAL OR AVERAGE-----	-	-	-	3	3	3	3	6	-	-	-	222	222	222	-	74	74

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
PROCESSING PLANTS:	-	-	-	1	1	1	-	1	-	-	-	71	71	71	-	71	71
ELECTRICAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	2	-	-	-	-	2	-	2	12,000	-	-	-	-	12,000	-	-	6,000
SLIDING MATERIAL-----	-	1	2	24	27	27	6	33	-	6,000	100	650	6,750	6,750	50	27	250
HANDLING MATERIAL-----	-	-	-	7	7	7	6	13	-	-	-	415	415	415	-	59	59
HAND TOOL-----	-	-	-	5	5	5	1	6	-	-	-	183	183	183	-	37	37
POWERED HAULAGE-----	-	-	-	12	12	12	1	13	-	-	-	97	97	97	-	8	8
MACHINERY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIP OR FALL OF	-	-	1	27	28	28	1	29	-	-	210	944	1,154	1,154	210	35	41
PERSON-----	-	-	-	2	2	2	-	2	-	-	-	12	12	12	-	6	6
STEPPING OR KNEELING	-	-	-	2	2	2	-	2	-	-	-	56	56	56	-	28	28
ON OBJECT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURIES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	2	1	3	80	84	86	15	101	12,000	6,000	310	2,428	8,738	20,738	103	30	241
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	2	2	2	-	2	-	-	-	99	99	99	-	50	50
ELECTRICAL-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EXPLOSIVE AND BREAKING	2	-	-	-	-	2	-	2	12,000	-	-	-	-	12,000	-	-	6,000
AGENT-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
FALLING, ROLLING, OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIDING MATERIAL-----	-	1	3	58	62	62	13	75	-	6,000	150	1,906	8,056	8,056	50	33	130
FALL OF ROOF (UNDER-	-	-	-	14	14	14	11	25	-	-	-	851	851	851	-	61	61
GROUND MINES ONLY)-----	-	-	-	12	12	12	1	13	-	-	-	834	834	834	-	70	70
HANDLING MATERIAL-----	-	-	-	25	25	25	8	33	-	-	-	764	764	764	-	31	31
HAND TOOL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POWERED HAULAGE-----	-	-	2	66	68	68	3	71	-	-	260	4,193	4,453	4,453	130	64	65
MACHINERY-----	-	-	-	3	3	3	-	3	-	-	-	23	23	23	-	8	8
SLIP OR FALL OF	-	-	-	4	4	4	1	5	-	-	-	107	107	107	-	27	27
PERSON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEPPING OR KNEELING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ON OBJECT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURIES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE:-----	-	-	-	2	2	2	-	2	-	-	-	99	99	99	-	50	50
ELECTRICAL-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EXPLOSIVE AND BREAKING AGENT-----	2	-	-	-	-	2	-	2	12,000	-	-	-	-	12,000	-	-	6,000
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	-	1	3	58	62	62	13	75	-	6,000	150	1,906	8,056	8,056	50	33	130
HANDLING MATERIAL-----	-	-	-	14	14	14	11	25	-	-	-	851	851	851	-	61	61
HAND TOOL-----	-	-	-	12	12	12	1	13	-	-	-	834	834	834	-	70	70
POWERED HAULAGE-----	-	-	-	25	25	25	8	33	-	-	-	764	764	764	-	31	31
MACHINERY-----	-	-	2	66	68	68	3	71	-	-	260	4,193	4,453	4,453	130	64	65
SLIP OR FALL OF PERSON-----	-	-	-	3	3	3	-	3	-	-	-	23	23	23	-	8	8
STEPPING OR KNEELING ON OBJECT-----	-	-	-	4	4	4	1	5	-	-	-	107	107	107	-	27	27
OTHER INJURIES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141

TABLE 18B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND:	5	-	-	101	101	106	14	120	30,000	-	-	2,103	2,103	32,103	-	21	303
ELECTRICAL-----	-	-	-	10	10	10	7	17	-	-	-	515	515	515	-	52	52
EXPLODING VESSEL	-	-	-	10	10	10	7	17	-	-	-	515	515	515	-	52	52
UNDER PRESSURE-----	3	-	-	10	10	13	4	17	18,000	-	-	226	226	18,226	-	23	1,402
EXPLOSIVE AND BREAKING	-	-	-	17	17	17	-	17	-	-	-	635	635	635	-	37	37
AGENT-----	-	-	-	17	17	17	-	17	-	-	-	635	635	635	-	37	37
FALLING, ROLLING, OR	-	-	-	139	140	140	29	169	-	-	1,200	5,567	6,767	6,767	1,200	40	48
SLIDING MATERIAL-----	-	-	1	139	140	140	29	169	-	-	1,200	5,567	6,767	6,767	1,200	40	48
FALL OF FACE, RIB, SIDE	-	-	-	139	140	140	29	169	-	-	1,200	5,567	6,767	6,767	1,200	40	48
OR HIGHWALL-----	21	2	6	546	554	575	148	723	126,000	12,000	12,700	23,872	48,572	174,572	2,117	44	304
FALL OF ROOF (UNDER-	-	-	-	4	4	4	6	10	-	-	-	12	12	12	-	3	3
GROUND MINES ONLY)-----	-	-	-	4	4	4	6	10	-	-	-	12	12	12	-	3	3
FIRE-----	-	-	95	2,938	3,033	3,033	580	3,613	-	-	19,645	118,141	137,786	137,786	207	40	45
HANDLING MATERIAL-----	-	-	5	643	648	648	372	1,020	-	-	3,410	19,103	22,513	22,513	682	30	35
HAND TOOL-----	-	-	3	37	40	40	5	45	-	-	3,360	1,876	5,236	5,236	1,120	51	131
NONPOWERED HAULAGE-----	6	-	18	1,078	1,096	1,102	194	1,296	36,000	-	21,235	46,498	67,733	103,733	1,180	43	94
POWERED HAULAGE-----	-	-	-	5	5	5	1	6	-	-	-	159	159	159	-	32	32
HOISTING-----	-	-	-	5	5	5	1	6	-	-	-	159	159	159	-	32	32
IGNITION OR EXPLOSION	-	-	-	9	9	9	1	10	-	-	-	515	515	515	-	57	57
OF GAS OR DUST-----	-	-	-	9	9	9	1	10	-	-	-	515	515	515	-	57	57
INUNDATION-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY-----	8	-	21	1,290	1,311	1,319	359	1,678	48,000	-	15,415	44,076	59,491	107,491	734	34	81
SLIP OR FALL OF	-	-	7	1,117	1,124	1,124	128	1,252	-	-	4,450	49,919	54,369	54,369	636	45	48
PERSON-----	-	-	7	1,117	1,124	1,124	128	1,252	-	-	4,450	49,919	54,369	54,369	636	45	48
STEPPING OR KNEELING	-	-	-	201	201	201	29	230	-	-	-	5,961	5,961	5,961	-	30	30
ON OBJECT-----	-	-	-	201	201	201	29	230	-	-	-	5,961	5,961	5,961	-	30	30
STRIKING OR BUMPING-----	-	-	-	128	128	128	53	181	-	-	-	5,011	5,011	5,011	-	39	39
OTHER INJURIES-----	-	-	1	112	113	113	9	122	-	-	1,125	7,346	8,471	8,471	1,125	66	75
TOTAL OR AVERAGE-----	43	2	157	8,385	8,544	8,587	1,940	10,527	258,000	12,000	82,540	331,535	426,075	684,075	526	40	80
SURFACE AT UNDERGROUND:																	
ELECTRICAL-----	1	-	-	8	8	9	5	14	6,000	-	-	325	325	6,325	-	41	703
EXPLODING VESSEL	-	-	-	1	1	1	1	2	-	-	-	51	51	51	-	51	51
UNDER PRESSURE-----	-	-	-	1	1	1	1	2	-	-	-	51	51	51	-	51	51
FALL OF FACE, RIB, SIDE	-	-	-	1	1	1	1	2	-	-	-	51	51	51	-	51	51
OR HIGHWALL-----	1	-	-	4	4	5	-	5	6,000	-	-	766	766	6,766	-	192	1,353
FIRE-----	-	-	-	1	1	1	1	2	-	-	-	4	4	4	-	4	4
HANDLING MATERIAL-----	-	-	9	252	261	261	83	344	-	-	3,450	9,602	13,052	13,052	383	38	50
HAND TOOL-----	-	-	3	50	53	53	71	124	-	-	225	1,264	1,489	1,489	75	25	28
NONPOWERED HAULAGE-----	-	-	-	3	3	3	-	4	-	-	-	65	65	65	-	22	22
POWERED HAULAGE-----	-	-	4	53	57	57	12	69	-	-	610	2,358	2,968	2,968	152	44	52
HOISTING-----	-	-	-	53	57	57	12	69	-	-	610	2,358	2,968	2,968	152	44	52
IGNITION OR EXPLOSION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OF GAS OR DUST-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY-----	-	-	-	30	30	30	30	60	-	-	-	640	640	640	-	21	21
SLIP OR FALL OF	-	-	-	30	30	30	30	60	-	-	-	640	640	640	-	21	21
PERSON-----	-	-	1	151	152	152	27	179	-	-	1,200	5,179	6,379	6,379	1,200	34	42
STEPPING OR KNEELING	-	-	-	12	12	12	1	13	-	-	-	446	446	446	-	37	37
ON OBJECT-----	-	-	-	12	12	12	1	13	-	-	-	446	446	446	-	37	37
STRIKING OR BUMPING-----	-	-	-	1	1	1	2	3	-	-	-	3	3	3	-	3	3
OTHER INJURIES-----	-	-	-	12	12	12	3	15	-	-	-	381	381	381	-	32	32
TOTAL OR AVERAGE-----	2	-	17	578	595	597	239	836	12,000	-	5,485	21,084	26,569	38,569	323	36	65

TABLE 18B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, UG:-----	6	-	-	109	109	115	19	134	36,000	-	-	2,428	2,428	38,428	-	22	334
ELECTRICAL-----	-	-	-	11	11	11	8	19	-	-	-	566	566	566	-	51	51
EXPLODING VESSEL UNDER PRESSURE-----	3	-	-	10	10	13	4	17	18,000	-	-	226	226	18,226	-	23	1,402
EXPLOSIVE AND BREAKING AGENT-----	-	-	-	17	17	17	-	17	-	-	-	635	635	635	-	37	37
FALLING, ROLLING, OR SLIDING MATERIAL-----	1	-	1	143	144	145	29	174	6,000	-	1,200	6,333	7,533	13,533	1,200	44	93
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	21	2	6	546	554	575	148	723	126,000	12,000	12,700	23,872	48,572	174,572	2,117	44	304
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	-	-	-	5	5	5	7	12	-	-	-	16	16	16	-	3	3
FIRE-----	-	-	104	3,190	3,294	3,294	663	3,957	-	-	23,095	127,743	150,838	150,838	222	40	46
HANDLING MATERIAL-----	-	-	8	693	701	701	443	1,144	-	-	3,635	20,367	24,002	24,002	454	29	34
HAND TOOL-----	-	-	3	40	43	43	6	49	-	-	3,360	1,941	5,301	5,301	1,120	49	123
NONPOWERED HAULAGE-----	6	-	22	1,131	1,153	1,159	206	1,365	36,000	-	21,845	48,856	70,701	106,701	993	43	92
POWERED HAULAGE-----	-	-	-	5	5	5	2	7	-	-	-	159	159	159	-	32	32
HOISTING-----	-	-	-	9	9	9	2	11	-	-	-	515	515	515	-	57	57
IGNITION OR EXPLOSION OF GAS OR DUST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
INUNDATION-----	8	-	21	1,320	1,341	1,349	389	1,738	48,000	-	15,415	44,716	60,131	108,131	734	34	80
MACHINERY-----	-	-	8	1,268	1,276	1,276	155	1,431	-	-	5,650	55,098	60,748	60,748	706	43	48
SLIP OR FALL OF PERSON-----	-	-	-	213	213	213	30	243	-	-	-	6,407	6,407	6,407	-	30	30
STEPPING OR KNEELING ON OBJECT-----	-	-	-	129	129	129	55	184	-	-	-	5,014	5,014	5,014	-	39	39
STRIKING OR BUMPING-----	-	-	1	124	125	125	12	137	-	-	1,125	7,727	8,852	8,852	1,125	62	71
OTHER INJURIES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	45	2	174	8,963	9,139	9,184	2,179	11,363	270,000	12,000	88,025	352,619	452,644	722,644	506	39	79

TABLE 18B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL								
		TOTAL	PARTIAL						TOTAL	PARTIAL							
SURFACE MINES: STRIP:																	
ELECTRICAL-----	-	-	-	18	18	18	2	20	-	-	-	250	250	250	-	14	14
EXPLODING VESSEL UNDER PRESSURE-----	-	-	-	10	10	10	-	10	-	-	-	229	229	229	-	23	23
EXPLOSIVE AND BREAKING AGENT-----	1	-	-	5	5	6	1	7	6,000	-	-	116	116	6,116	-	23	1,019
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	-	1	4	5	5	1	6	-	-	3,000	101	3,101	3,101	3,000	25	620
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	-	-	-	12	12	12	4	16	-	-	-	393	393	393	-	33	33
FIRE-----	-	-	-	13	13	13	4	17	-	-	-	383	383	383	-	29	29
HANDLING MATERIAL-----	-	-	13	446	459	459	239	698	-	-	660	13,880	14,540	14,540	51	31	32
HAND TOOL-----	-	-	1	126	127	127	177	304	-	-	50	2,791	2,841	2,841	50	22	22
NONPOWERED HAULAGE-----	-	-	-	4	4	4	1	5	-	-	-	26	26	26	-	6	6
POWERED HAULAGE-----	3	-	3	165	168	171	46	217	18,000	-	7,600	6,255	13,855	31,855	2,533	38	186
IGNITION OR EXPLOSION OF GAS OR DUST-----	-	-	-	4	4	4	-	4	-	-	-	186	186	186	-	46	46
MACHINERY-----	2	-	6	193	199	201	162	363	12,000	-	935	5,456	6,391	18,391	156	28	91
SLIP OR FALL OF PERSON-----	2	-	8	481	489	491	97	588	12,000	-	3,430	18,652	22,082	34,082	429	39	69
STEPPING OR KNEELING ON OBJECT-----	-	-	-	42	42	42	11	53	-	-	-	939	939	939	-	22	22
STRIKING OR BUMPING-----	-	-	-	5	5	5	2	7	-	-	-	36	36	36	-	7	7
OTHER INJURIES-----	1	-	-	35	35	36	25	61	6,000	-	-	952	952	6,952	-	27	193
TOTAL OR AVERAGE-----	9	-	32	1,563	1,595	1,604	772	2,376	54,000	-	15,675	50,645	66,320	120,320	490	32	75
AUGER:																	
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	-	-	-	6	6	6	1	7	-	-	-	315	315	315	-	52	52
HANDLING MATERIAL-----	-	-	-	5	5	5	4	9	-	-	-	225	225	225	-	45	45
HAND TOOL-----	-	-	-	3	3	3	1	4	-	-	-	42	42	42	-	14	14
POWERED HAULAGE-----	-	-	-	1	1	1	-	1	-	-	-	21	21	21	-	21	21
MACHINERY-----	-	-	1	1	2	2	2	4	-	-	60	5	65	65	60	5	32
SLIP OR FALL OF PERSON-----	-	-	1	8	9	9	2	11	-	-	1,200	135	1,335	1,335	1,200	17	148
OTHER INJURIES-----	-	-	-	3	3	3	-	3	-	-	-	438	438	438	-	146	146
TOTAL OR AVERAGE-----	-	-	2	27	29	29	10	39	-	-	1,260	1,181	2,441	2,441	630	44	84
CULM BANK:																	
HANDLING MATERIAL-----	-	-	-	5	5	5	-	5	-	-	-	37	37	37	-	7	7
HAND TOOL-----	-	-	-	1	1	1	-	1	-	-	-	31	31	31	-	31	31
MACHINERY-----	-	-	-	2	2	2	-	2	-	-	-	21	21	21	-	10	10
SLIP OR FALL OF PERSON-----	-	-	-	2	2	2	-	2	-	-	-	224	224	224	-	112	112
TOTAL OR AVERAGE-----	-	-	-	10	10	10	-	10	-	-	-	313	313	313	-	31	31

TABLE 18B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
DREDGE: HANDLING MATERIAL -----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9
TOTAL OR AVERAGE -----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9
TOTAL OR AVERAGE, SURFACE:																	
ELECTRICAL -----	-	-	-	18	18	18	2	20	-	-	-	250	250	250	-	14	14
EXPLODING VESSEL UNDER PRESSURE -----	-	-	-	10	10	10	-	10	-	-	-	229	229	229	-	23	23
EXPLOSIVE AND BREAKING AGENT -----	1	-	-	5	5	6	1	7	6,000	-	-	116	116	6,116	-	23	1,019
FALLING, ROLLING, OR SLIDING MATERIAL -----	-	-	1	4	5	5	1	6	-	-	3,000	101	3,101	3,101	3,000	25	620
FALL OF FACE, RIB, SIDE OR HIGHWALL -----	-	-	-	18	18	18	5	23	-	-	-	708	708	708	-	39	39
FIRE -----	-	-	-	13	13	13	4	17	-	-	-	383	383	383	-	29	29
HANDLING MATERIAL -----	-	-	13	459	472	472	243	715	-	-	660	14,170	14,830	14,830	51	31	31
HAND TOOL -----	-	-	1	130	131	131	178	309	-	-	50	2,864	2,914	2,914	50	22	22
NONPOWERED HAULAGE -----	-	-	-	4	4	4	1	5	-	-	-	26	26	26	-	6	6
POWERED HAULAGE -----	3	-	3	166	169	172	46	218	18,000	-	7,600	6,276	13,876	31,876	2,533	38	185
IGNITION OR EXPLOSION OF GAS OR DUST -----	-	-	-	4	4	4	-	4	-	-	-	186	186	186	-	46	46
MACHINERY -----	2	-	7	196	203	205	164	369	12,000	-	995	5,482	6,477	18,477	142	28	90
SLIP OR FALL OF PERSON -----	2	-	9	491	500	502	99	601	12,000	-	4,630	19,011	23,641	35,641	514	39	71
STEPPING OR KNEELING ON OBJECT -----	-	-	-	42	42	42	11	53	-	-	-	939	939	939	-	22	22
STRIKING OR BUMPING -----	-	-	-	5	5	5	2	7	-	-	-	36	36	36	-	7	7
OTHER INJURIES -----	1	-	-	38	38	39	25	64	6,000	-	-	1,390	1,390	7,390	-	37	189
TOTAL OR AVERAGE -----	9	-	34	1,603	1,637	1,646	782	2,428	54,000	-	16,935	52,167	69,102	123,102	498	33	75

TABLE 18B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, MINING:	6	-	-	127	127	133	21	154	36,000	-	-	2,678	2,678	38,678	-	21	291
ELECTRICAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL	-	-	-	21	21	21	8	29	-	-	-	795	795	795	-	38	38
UNDER PRESSURE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLOSIVE AND BREAKING	4	-	-	15	15	19	5	24	24,000	-	-	342	342	24,342	-	23	1,281
AGENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	-	-	1	21	22	22	1	23	-	-	3,000	736	3,736	3,736	3,000	35	170
SLIDING MATERIAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE	1	-	1	161	162	163	34	197	6,000	-	1,200	7,041	8,241	14,241	1,200	44	87
OR HIGHWALL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF ROOF (UNDER-	21	2	6	546	554	575	148	723	126,000	12,000	12,700	23,872	48,572	174,572	2,117	44	304
GROUND MINES ONLY)-----	-	-	-	18	18	18	11	29	-	-	-	399	399	399	-	22	22
FIRE-----	-	-	117	3,649	3,766	3,766	906	4,672	-	-	23,755	141,913	165,668	165,668	203	39	44
HANDLING MATERIAL-----	-	-	9	823	832	832	621	1,453	-	-	3,685	23,231	26,916	26,916	409	28	32
HAND TOOL-----	-	-	3	44	47	47	7	54	-	-	3,360	1,967	5,327	5,327	1,120	45	113
NONPOWERED HAULAGE-----	9	-	25	1,297	1,322	1,331	252	1,583	54,000	-	29,445	55,132	84,577	138,577	1,178	43	104
POWERED HAULAGE-----	-	-	-	5	5	5	2	7	-	-	-	159	159	159	-	32	32
HOISTING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IGNITION OR EXPLOSION	-	-	-	13	13	13	2	15	-	-	-	701	701	701	-	54	54
OF GAS OR DUST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
INUNDATION-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY-----	10	-	28	1,516	1,544	1,554	553	2,107	60,000	-	16,410	50,198	66,608	126,608	586	33	81
SLIP OR FALL OF	2	-	17	1,759	1,776	1,778	254	2,032	12,000	-	10,280	74,109	84,389	96,389	605	42	54
PERSON-----	-	-	-	255	255	255	41	296	-	-	-	7,346	7,346	7,346	-	29	29
STEPPING OR KNEELING	-	-	-	134	134	134	57	191	-	-	-	5,050	5,050	5,050	-	38	38
ON OBJECT-----	-	-	-	162	163	164	37	201	6,000	-	1,125	9,117	10,242	16,242	1,125	56	99
STRIKING OR BUMPING-----	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURIES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	54	2	208	10,566	10,776	10,830	2,961	13,791	324,000	12,000	104,960	404,786	521,746	845,746	505	38	78
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICAL-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
HANDLING MATERIAL-----	-	-	2	27	29	29	15	44	-	-	100	652	752	752	50	24	26
HAND TOOL-----	-	-	-	16	16	16	12	28	-	-	-	325	325	325	-	20	20
POWERED HAULAGE-----	-	-	-	3	3	3	-	3	-	-	-	57	57	57	-	19	19
IGNITION OR EXPLOSION	1	-	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	-	6,000
OF GAS OR DUST-----	-	-	-	4	4	4	12	16	-	-	-	43	43	43	-	11	11
MACHINERY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIP OR FALL OF	-	-	-	10	10	10	4	14	-	-	-	632	632	632	-	63	63
PERSON-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
STEPPING OR KNEELING	-	-	-	2	2	2	-	2	-	-	-	132	132	132	-	66	66
ON OBJECT-----	-	-	-	3	3	3	2	5	-	-	-	41	41	41	-	14	14
STRIKING OR BUMPING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURIES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	1	-	2	67	69	70	45	115	6,000	-	100	1,886	1,986	7,986	50	28	114

TABLE 18B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
PROCESSING PLANTS:																	
ELECTRICAL-----	1	-	-	8	8	9	-	9	6,000	-	-	106	106	6,106	-	13	678
ENTRAPMENT-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDER PRESSURE-----	-	-	-	3	3	3	1	4	-	-	-	93	93	93	-	31	31
FALLING, ROLLING, OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIDING MATERIAL-----	-	-	-	2	2	2	-	2	-	-	-	98	98	98	-	49	49
FIRE-----	-	-	-	3	3	3	-	3	-	-	-	33	33	33	-	11	11
HANDLING MATERIAL-----	-	-	12	280	292	292	115	407	-	-	670	10,334	11,004	11,004	56	37	38
HAND TOOL-----	-	-	2	89	91	91	76	167	-	-	100	3,202	3,302	3,302	50	36	36
NONPOWERED HAULAGE-----	-	-	-	6	6	6	1	7	-	-	-	671	671	671	-	112	112
POWERED HAULAGE-----	-	-	9	60	69	69	13	82	-	-	7,120	2,494	9,614	9,614	791	42	139
HOISTING-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
IGNITION OR EXPLOSION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OF GAS OR DUST-----	-	-	-	4	4	4	-	4	-	-	-	213	213	213	-	53	53
MACHINERY-----	-	-	1	62	63	63	56	119	-	-	3,000	1,606	4,606	4,606	3,000	26	73
SLIP OR FALL OF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERSON-----	1	-	2	204	206	207	45	252	6,000	-	3,650	7,482	11,132	17,132	1,825	37	83
STEPPING OR KNEELING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ON OBJECT-----	-	-	-	15	15	15	3	18	-	-	-	351	351	351	-	23	23
STRIKING OR BUMPING-----	-	-	-	7	7	7	1	8	-	-	-	177	177	177	-	25	25
OTHER INJURIES-----	-	-	-	18	18	18	8	26	-	-	-	751	751	751	-	42	42
TOTAL OR AVERAGE-----	2	-	26	761	787	789	321	1,110	12,000	-	14,540	27,611	42,151	54,151	569	36	69

TABLE 18B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE	7	-	-	136	136	143	21	164	42,000	-	-	2,785	2,785	44,785	-	20	313
ALL MINES AND PLANTS:	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
ELECTRICAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ENTRAPMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDER PRESSURE	-	-	-	24	24	24	9	33	-	-	-	888	888	888	-	37	37
EXPLOSIVE AND BREAKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AGENT	4	-	-	15	15	19	5	24	24,000	-	-	342	342	24,342	-	23	1,281
FALLING, ROLLING, OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIDING MATERIAL	-	-	1	23	24	24	1	25	-	-	3,000	834	3,834	3,834	3,000	36	160
FALL OF FACE, RIB, SIDE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OR HIGHWALL	1	-	1	161	162	163	34	197	6,000	-	1,200	7,041	8,241	14,241	1,200	44	87
FALL OF ROOF (UNDER-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GROUND MINES ONLY)	21	2	6	546	554	575	148	723	126,000	12,000	12,700	23,872	48,572	174,572	2,117	44	304
FIRE	-	-	-	21	21	21	11	32	-	-	-	432	432	432	-	21	21
HANDLING MATERIAL	-	-	131	3,956	4,087	4,087	1,036	5,123	-	-	24,525	152,899	177,424	177,424	187	39	43
HAND TOOL	-	-	11	928	939	939	709	1,648	-	-	3,785	26,758	30,543	30,543	344	29	33
NONPOWERED HAULAGE	-	-	3	50	53	53	8	61	-	-	3,360	2,638	5,998	5,998	1,120	53	113
POWERED HAULAGE	9	-	34	1,360	1,394	1,403	265	1,668	54,000	-	36,565	57,683	94,248	148,248	1,075	42	106
HOISTING	-	-	-	5	5	5	3	8	-	-	-	159	159	159	-	32	32
IGNITION OR EXPLOSION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OF GAS OR DUST	1	-	-	17	17	18	2	20	6,000	-	-	914	914	6,914	-	54	384
INUNDATION	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MACHINERY	10	-	29	1,582	1,611	1,621	621	2,242	60,000	-	19,410	51,847	71,257	131,257	669	33	81
SLIP OR FALL OF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERSON	3	-	19	1,973	1,992	1,995	303	2,298	18,000	-	13,930	82,223	96,153	114,153	733	42	57
STEPPING OR KNEELING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ON OBJECT	-	-	-	271	271	271	44	315	-	-	-	7,700	7,700	7,700	-	28	28
STRIKING OR BUMPING	-	-	-	143	143	143	58	201	-	-	-	5,359	5,359	5,359	-	37	37
OTHER INJURIES	1	-	1	183	184	185	47	232	6,000	-	1,125	9,909	11,034	17,034	1,125	54	92
TOTAL OR AVERAGE	57	2	236	11,394	11,632	11,689	3,327	15,016	342,000	12,000	119,600	434,283	565,883	907,883	507	38	78
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICAL	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
FALLING, ROLLING, OR	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SLIDING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLING MATERIAL	-	-	-	9	9	9	4	13	-	-	-	108	108	108	-	12	12
HAND TOOL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIP OR FALL OF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERSON	-	-	-	6	6	6	4	10	-	-	-	44	44	44	-	7	7
STRIKING OR BUMPING	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
OTHER INJURIES	-	-	-	1	1	1	-	1	-	-	-	57	57	57	-	57	57
TOTAL OR AVERAGE	-	-	-	17	17	17	11	28	-	-	-	211	211	211	-	12	12

TABLE 18B - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
GRAND TOTAL OR AVERAGE:-----	7	-	-	137	137	144	21	165	42,000	-	-	2,787	2,787	44,787	-	20	311
ELECTRICAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ENTRAPMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL UNDER PRESSURE-----	-	-	-	24	24	24	9	33	-	-	-	888	888	888	-	37	37
EXPLOSIVE AND BREAKING AGENT-----	4	-	-	15	15	19	5	24	24,000	-	-	342	342	24,342	-	23	1,281
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	-	1	23	24	24	2	26	-	-	3,000	834	3,834	3,834	3,000	36	160
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	1	-	1	161	162	163	34	197	6,000	-	1,200	7,041	8,241	14,241	1,200	44	87
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	21	2	6	546	554	575	148	723	126,000	12,000	12,700	23,872	48,572	174,572	2,117	44	304
FIRE-----	-	-	-	21	21	21	11	32	-	-	-	432	432	-	-	21	21
HANDLING MATERIAL-----	-	-	131	3,965	4,096	4,096	1,040	5,136	-	-	24,525	153,007	177,532	177,532	187	39	43
HAND TOOL-----	-	-	11	928	939	939	710	1,649	-	-	3,785	26,758	30,543	30,543	344	29	33
NONPOWERED HAULAGE-----	-	-	3	50	53	53	8	61	-	-	3,360	2,638	5,998	5,998	1,120	53	113
POWERED HAULAGE-----	9	-	34	1,360	1,394	1,403	265	1,668	54,000	-	36,565	57,683	94,248	148,248	1,075	42	106
HOTSTING-----	-	-	-	5	5	5	3	8	-	-	-	159	159	159	-	32	32
IGNITION OR EXPLOSION OF GAS OR DUST-----	1	-	-	17	17	18	2	20	6,000	-	-	914	914	6,914	-	54	384
INUNDATION-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY-----	10	-	29	1,582	1,611	1,621	621	2,242	60,000	-	19,410	51,847	71,257	131,257	669	33	81
SLIP OR FALL OF PERSON-----	3	-	19	1,979	1,998	2,001	307	2,308	18,000	-	13,930	82,267	96,197	114,197	733	42	57
STEPPING OR KNEELING ON OBJECT-----	-	-	-	271	271	271	44	315	-	-	-	7,700	7,700	7,700	-	28	28
STRIKING OR BUMPING-----	-	-	-	143	143	143	59	202	-	-	-	5,359	5,359	5,359	-	37	37
OTHER INJURIES-----	1	-	1	184	185	186	47	233	6,000	-	1,125	9,966	11,091	17,091	1,125	54	92
TOTAL OR AVERAGE-----	57	2	236	11,411	11,649	11,706	3,338	15,044	342,000	12,000	119,600	434,494	566,094	908,094	507	38	78

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, 1990

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
ELECTRICAL:																	
EAR-----	-	-	-	2	2	2	1	3	-	-	-	6	6	6	-	3	3
EYE-----	-	-	-	34	34	34	4	38	-	-	-	192	192	192	-	6	6
FACE, NEC-----	-	-	-	2	2	2	1	3	-	-	-	25	25	25	-	12	12
HEAD, NEC-----	-	-	-	4	4	4	2	6	-	-	-	39	39	39	-	10	10
UPPER ARM-----	-	-	-	1	1	1	-	1	-	-	-	14	14	14	-	14	14
ELBOW-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
FOREARM-----	-	-	-	3	3	3	-	3	-	-	-	115	115	115	-	38	38
WRIST-----	-	-	-	4	4	4	-	4	-	-	-	37	37	37	-	9	9
HAND-----	-	-	-	22	22	22	3	25	-	-	-	338	338	338	-	15	15
FINGER(S)-----	-	-	-	2	2	2	6	8	-	-	-	3	3	3	-	2	2
UPPER EXTREMITIES, NEC-----	-	-	-	8	8	8	-	8	-	-	-	184	184	184	-	23	23
CHEST-----	-	-	-	2	2	2	-	2	-	-	-	11	11	11	-	6	6
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
SHOULDER(S)-----	-	-	-	2	2	2	-	2	-	-	-	97	97	97	-	48	48
KNEE-----	-	-	-	2	2	2	-	2	-	-	-	45	45	45	-	22	22
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	58	58	58	-	58	58
BODY SYSTEMS-----	7	-	-	22	22	29	4	33	42,000	-	-	418	418	42,418	-	19	1,463
MULTIPLE PARTS OF BODY-----	-	-	-	26	26	26	-	26	-	-	-	1,277	1,277	1,277	-	49	49
TOTAL OR AVERAGE-----	7	-	-	139	139	146	21	167	42,000	-	-	2,886	2,886	44,886	-	21	307
ENTRAPMENT:																	
UNCLASSIFIED-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL UNDER PRESSURE:																	
EAR-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EYE-----	-	-	-	8	8	8	2	10	-	-	-	206	206	206	-	26	26
FACE, NEC-----	-	-	-	2	2	2	1	3	-	-	-	65	65	65	-	32	32
HEAD, NEC-----	-	-	-	1	1	1	1	2	-	-	-	82	82	82	-	82	82
ELBOW-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FOREARM-----	-	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
WRIST-----	-	-	-	1	1	1	-	1	-	-	-	282	282	282	-	282	282
HAND-----	-	-	-	2	2	2	-	2	-	-	-	65	65	65	-	32	32
FINGER(S)-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	13	13	13	-	13	13
BACK-----	-	-	-	2	2	2	-	2	-	-	-	77	77	77	-	38	38
CHEST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
KNEE-----	-	-	-	1	1	1	-	1	-	-	-	6	6	6	-	6	6
MULTIPLE PARTS OF BODY-----	-	-	-	4	4	4	-	4	-	-	-	84	84	84	-	21	21
TOTAL OR AVERAGE-----	-	-	-	24	24	24	9	33	-	-	-	888	888	888	-	37	37

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
EXPLOSIVE AND BREAKING AGENT:																	
EAR-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
JAW-----	-	-	-	1	1	1	1	-	-	-	2	2	2	2	2		
SCALP-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-		
HEAD, NEC-----	-	-	-	2	2	2	2	-	-	-	22	22	22	11	11		
BACK-----	-	-	-	1	1	1	1	-	-	-	15	15	15	15	15		
SHOULDER(S)-----	-	-	-	1	1	1	1	-	-	-	1	1	1	1	1		
LOWER LEG-----	-	-	-	1	1	1	1	-	-	-	72	72	72	72	72		
FOOT-----	-	-	-	1	1	1	1	-	-	-	12	12	12	12	12		
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	2	-	-	-	2	2	2	2	2		
BODY SYSTEMS-----	-	-	-	2	2	2	2	-	-	-	34	34	34	17	17		
MULTIPLE PARTS OF BODY-----	4	-	-	5	5	9	2	24,000	-	-	182	182	24,182	36	2,687		
TOTAL OR AVERAGE-----	4	-	-	15	15	19	6	24,000	-	-	342	342	24,342	-	23	1,281	
FALLING, ROLLING, OR SLIDING MATERIAL:																	
EAR-----	-	-	-	1	1	1	-	-	-	-	5	5	5	-	5	5	
FACE, NEC-----	-	-	-	1	1	1	-	-	-	-	17	17	17	-	17	17	
HEAD, NEC-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
HAND-----	-	-	-	1	1	1	1	-	-	-	8	8	8	-	8	8	
FINGER(S)-----	-	-	-	1	1	1	1	-	-	-	58	58	58	-	58	58	
BACK-----	-	-	-	4	4	4	4	-	-	-	92	92	92	-	23	23	
PELVIC REGION-----	-	-	-	1	1	1	-	-	-	-	148	148	148	-	148	148	
SHOULDER(S)-----	-	-	-	1	1	1	-	-	-	-	3	3	3	-	3	3	
ANKLE-----	-	-	-	1	1	1	1	-	-	-	74	74	74	-	74	74	
FOOT-----	-	-	-	5	5	5	5	-	-	-	86	86	86	-	17	17	
TOE(S)-----	-	-	-	2	2	2	2	-	-	-	253	253	253	-	126	126	
LOWER EXTREMITIES, NEC-----	-	-	1	1	2	2	-	-	-	3,000	40	3,040	3,040	3,000	40	1,520	
BODY SYSTEMS-----	2	-	-	-	-	2	2	12,000	-	-	-	-	12,000	-	-	6,000	
MULTIPLE PARTS OF BODY-----	-	-	-	4	4	4	1	-	-	-	50	50	50	-	12	12	
TOTAL OR AVERAGE-----	2	-	1	23	24	26	2	12,000	-	3,000	834	3,834	15,834	3,000	36	609	

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
FALL OF FACE, RIB, SIDE OR HIGHWALL:	-	-	-	1	1	1	1	2	-	-	-	122	122	122	-	122	122
EAR-----	-	-	-	3	3	3	1	4	-	-	-	4	4	4	-	1	1
EYE-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
JAW-----	-	-	-	1	1	1	1	2	-	-	-	5	5	5	-	5	5
FACE, NEC-----	-	-	-	3	3	3	8	11	-	-	-	46	46	46	-	15	15
HEAD, NEC-----	-	-	-	4	4	4	2	6	-	-	-	550	550	550	-	138	138
NECK-----	-	-	-	1	1	1	-	1	-	-	-	17	17	17	-	17	17
UPPER ARM-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
FOREARM-----	-	-	-	3	3	3	-	3	-	-	-	4	4	4	-	1	1
WRIST-----	-	-	-	4	4	4	3	7	-	-	-	131	131	131	-	33	33
HAND-----	-	-	-	8	8	8	3	11	-	-	-	194	194	194	-	24	24
FINGER(S)-----	-	-	-	8	8	8	1	9	-	-	-	148	148	148	-	18	18
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
ABDOMEN-----	-	-	-	18	19	19	2	21	-	-	1,200	632	1,832	1,832	1,200	35	96
BACK-----	-	-	1	2	2	2	2	4	-	-	-	52	52	52	-	26	26
CHEST-----	-	-	-	3	3	3	1	4	-	-	-	933	933	933	-	311	311
PELVIC REGION-----	-	-	-	5	5	5	1	6	-	-	-	45	45	45	-	9	9
SHOULDER(S)-----	-	-	-	6	6	6	-	6	-	-	-	213	213	213	-	36	36
TRUNK, NEC-----	-	-	-	2	2	2	-	2	-	-	-	61	61	61	-	30	30
THIGH-----	-	-	-	10	10	10	1	11	-	-	-	250	250	250	-	25	25
KNEE-----	-	-	-	7	7	7	1	8	-	-	-	516	516	516	-	74	74
LOWER LEG-----	-	-	-	4	4	4	1	5	-	-	-	189	189	189	-	47	47
ANKLE-----	-	-	-	22	22	22	1	23	-	-	-	893	893	893	-	41	41
FOOT-----	-	-	-	3	3	3	-	3	-	-	-	79	79	79	-	26	26
TOE(S)-----	-	-	-	16	16	16	1	17	-	-	-	614	614	614	-	38	38
LOWER EXTREMITIES, NEC-----	-	-	-	24	24	25	3	28	6,000	-	-	1,307	1,307	7,307	-	54	292
MULTIPLE PARTS OF BODY-----	1	-	-														
TOTAL OR AVERAGE-----	1	-	1	161	162	163	34	197	6,000	-	1,200	7,041	8,241	14,241	1,200	44	87

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
FALL OF ROOF (UNDER- GROUND MINES ONLY):																	
EAR-----	-	-	-	2	2	2	4	6	-	-	-	17	17	17	-	8	8
EYE-----	-	-	-	7	7	7	6	13	-	-	-	213	213	213	-	30	30
JAW-----	-	-	-	1	1	1	5	6	-	-	-	60	60	60	-	60	60
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1
NOSE-----	-	-	-	4	4	4	5	9	-	-	-	115	115	115	-	29	29
SCALP-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
SKULL-----	1	-	-	-	-	-	-	1	6,000	-	-	-	-	6,000	-	-	6,000
FACE, NEC-----	-	-	-	4	4	4	3	7	-	-	-	213	213	213	-	53	53
HEAD, NEC-----	4	1	-	20	21	25	12	37	24,000	6,000	-	412	6,412	30,412	-	21	1,216
NECK-----	-	-	-	37	37	37	3	40	-	-	-	1,595	1,595	1,595	-	43	43
UPPER ARM-----	-	-	-	2	2	2	3	5	-	-	-	73	73	73	-	36	36
ELBOW-----	-	-	-	2	2	2	1	3	-	-	-	135	135	135	-	68	68
FOREARM-----	-	-	-	9	9	9	8	17	-	-	-	274	274	274	-	30	30
WRIST-----	-	-	-	4	4	4	1	5	-	-	-	14	14	14	-	4	4
HAND-----	-	-	-	22	22	22	18	40	-	-	-	510	510	510	-	23	23
FINGER(S)-----	-	-	1	36	37	37	22	59	-	-	50	1,590	1,640	1,640	50	44	44
UPPER EXTREMITIES, NEC-----	-	-	-	9	9	9	9	18	-	-	-	247	247	247	-	27	27
BACK-----	1	-	-	58	58	59	7	66	6,000	-	-	3,540	3,540	9,540	-	61	162
CHEST-----	2	-	-	5	5	7	3	10	12,000	-	-	92	92	12,092	-	18	1,727
PELVIC REGION-----	-	-	1	10	11	11	2	13	-	-	50	587	637	637	50	58	58
SHOULDER(S)-----	-	-	-	35	35	35	6	41	-	-	-	1,455	1,455	1,455	-	42	42
TRUNK, NEC-----	2	-	-	16	16	18	1	19	12,000	-	-	387	387	12,387	-	24	688
THIGH-----	-	-	-	4	4	4	1	5	-	-	-	82	82	82	-	20	20
KNEE-----	-	-	-	29	29	29	4	33	-	-	-	1,201	1,201	1,201	-	41	41
LOWER LEG-----	-	-	-	12	12	12	3	15	-	-	-	564	564	564	-	47	47
ANKLE-----	-	-	-	15	15	15	1	16	-	-	-	775	775	775	-	52	52
FOOT-----	-	-	1	42	43	43	6	49	-	-	1,200	1,522	2,722	2,722	1,200	36	63
TOE(S)-----	-	-	-	5	5	5	1	6	-	-	-	102	102	102	-	20	20
LOWER EXTREMITIES, NEC-----	-	-	-	34	34	34	3	37	-	-	-	1,997	1,997	1,997	-	59	59
MULTIPLE PARTS OF BODY-----	11	1	3	121	125	136	8	144	66,000	6,000	11,400	6,099	23,499	89,499	3,800	50	658
TOTAL OR AVERAGE-----	21	2	6	547	555	576	148	724	126,000	12,000	12,700	23,873	48,573	174,573	2,117	44	303
FIRE:																	
EAR-----	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1
EYE-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
FACE, NEC-----	-	-	-	2	2	2	1	3	-	-	-	20	20	20	-	10	10
HAND-----	-	-	-	4	4	4	1	5	-	-	-	60	60	60	-	15	15
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
KNEE-----	-	-	-	1	1	1	-	1	-	-	-	36	36	36	-	36	36
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	60	60	60	-	60	60
BODY SYSTEMS-----	-	-	-	2	2	2	-	2	-	-	-	4	4	4	-	2	2
MULTIPLE PARTS OF BODY-----	-	-	-	9	9	9	5	14	-	-	-	249	249	249	-	28	28
TOTAL OR AVERAGE-----	-	-	-	21	21	21	11	32	-	-	-	432	432	432	-	21	21

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
HANDLING MATERIAL:	-	-	-	3	3	3	8	11	-	-	-	10	10	10	-	3	3
EAR-----	-	-	-	68	68	68	94	162	-	-	-	545	545	545	-	8	8
EYE-----	-	-	-	2	2	2	2	4	-	-	-	59	59	59	-	30	30
JAW-----	-	-	-	7	7	7	27	34	-	-	-	15	15	15	-	2	2
MOUTH/TEETH/TONGUE-----	-	-	-	2	2	2	9	11	-	-	-	7	7	7	-	4	4
NOSE-----	-	-	-	2	2	2	4	6	-	-	-	3	3	3	-	2	2
SCALP-----	-	-	-	9	9	9	10	19	-	-	-	233	233	233	-	26	26
FACE, NEC-----	-	-	1	21	22	22	39	61	-	-	1,800	242	2,042	2,042	1,800	12	93
HEAD, NEC-----	-	-	-	73	73	73	9	82	-	-	-	3,135	3,135	3,135	-	43	43
NECK-----	-	-	-	3	3	3	-	3	-	-	-	83	83	83	-	28	28
UPPER ARM-----	-	-	-	60	60	60	9	69	-	-	-	1,477	1,477	1,477	-	25	25
ELBOW-----	-	-	-	13	13	13	19	32	-	-	-	567	567	567	-	44	44
FOREARM-----	-	-	-	55	55	55	18	73	-	-	-	1,896	1,896	1,896	-	34	34
WRIST-----	-	-	-	90	90	90	78	168	-	-	-	2,368	2,368	2,368	-	26	26
HAND-----	-	-	-	393	406	406	408	814	-	-	1,555	7,879	9,434	9,434	120	20	23
FINGER(S)-----	-	-	13	48	48	48	20	68	-	-	-	1,687	1,687	1,687	-	35	35
UPPER EXTREMITIES, NEC-----	-	-	-	36	36	36	2	38	-	-	-	753	753	753	-	21	21
ABDOMEN-----	-	-	-	2,149	2,157	2,157	180	2,337	-	-	15,720	96,709	112,429	112,429	1,965	45	52
BACK-----	-	-	8	63	63	63	8	71	-	-	-	1,486	1,486	1,486	-	24	24
CHEST-----	-	-	-	153	265	265	7	272	-	-	5,600	4,091	9,691	9,691	50	27	37
PELVIC REGION-----	-	-	112	135	135	135	17	152	-	-	-	4,495	4,495	4,495	-	33	33
SHOULDER(S)-----	-	-	-	62	62	62	5	67	-	-	-	1,899	1,899	1,899	-	31	31
TRUNK, NEC-----	-	-	-	10	10	10	2	12	-	-	-	130	130	130	-	13	13
THIGH-----	-	-	-	215	215	215	20	235	-	-	-	10,125	10,125	10,125	-	47	47
KNEE-----	-	-	-	26	26	26	6	32	-	-	-	1,050	1,050	1,050	-	40	40
LOWER LEG-----	-	-	-	29	29	29	2	31	-	-	-	994	994	994	-	34	34
ANKLE-----	-	-	-	119	119	119	13	132	-	-	-	2,845	2,845	2,845	-	24	24
FOOT-----	-	-	-	18	18	18	9	27	-	-	-	626	626	626	-	35	35
TOE(S)-----	-	-	-	50	50	50	8	58	-	-	-	2,209	2,209	2,209	-	44	44
LOWER EXTREMITIES, NEC-----	-	-	-	4	4	4	1	5	-	-	-	5	5	5	-	1	1
BODY SYSTEMS-----	-	1	-	105	106	106	19	125	-	6,000	-	7,290	13,290	13,290	-	69	125
MULTIPLE PARTS OF BODY-----	-	1	-	105	106	106	19	125	-	6,000	-	7,290	13,290	13,290	-	69	125
TOTAL OR AVERAGE-----	-	1	134	4,023	4,158	4,158	1,053	5,211	-	6,000	24,675	154,913	185,588	185,588	184	39	45

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
HAND TOOL:	-	-	-	2	2	2	6	8	-	-	-	26	26	26	-	13	13
EAR-----	-	-	-	60	60	60	40	100	-	-	-	1,218	1,218	1,218	-	20	20
EYE-----	-	-	-	11	11	11	14	25	-	-	-	312	312	312	-	28	28
JAW-----	-	-	-	12	12	12	42	54	-	-	-	71	71	71	-	6	6
MOUTH/TEETH/TONGUE-----	-	-	-	8	8	8	4	12	-	-	-	64	64	64	-	8	8
NOSE-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
SCALP-----	-	-	-	15	15	15	21	36	-	-	-	371	371	371	-	25	25
FACE, NEC-----	-	-	-	15	15	15	51	66	-	-	-	258	258	258	-	17	17
HEAD, NEC-----	-	-	-	11	11	11	5	16	-	-	-	170	170	170	-	15	15
NECK-----	-	-	-	7	7	7	1	8	-	-	-	236	236	236	-	34	34
UPPER ARM-----	-	-	-	24	24	24	8	32	-	-	-	639	639	639	-	27	27
ELBOW-----	-	-	-	11	11	11	24	35	-	-	-	240	240	240	-	22	22
FOREARM-----	-	-	-	28	28	28	13	41	-	-	-	634	634	634	-	23	23
WRIST-----	-	-	-	64	64	64	85	149	-	-	-	1,147	1,147	1,147	-	18	18
HAND-----	-	-	4	195	199	199	265	464	-	-	425	3,285	3,710	3,710	106	17	19
FINGER(S)-----	-	-	-	15	15	15	22	37	-	-	-	326	326	326	-	22	22
UPPER EXTREMITIES, NEC-----	-	-	-	5	5	5	4	9	-	-	-	96	96	96	-	19	19
ABDOMEN-----	-	-	1	189	190	190	13	203	-	-	3,060	8,854	11,914	11,914	3,060	47	63
BACK-----	-	-	-	20	20	20	9	29	-	-	-	373	373	373	-	19	19
CHEST-----	-	-	6	14	20	20	1	21	-	-	300	228	528	528	50	16	26
PELVIC REGION-----	-	-	-	32	32	32	4	36	-	-	-	1,476	1,476	1,476	-	46	46
SHOULDER(S)-----	-	-	-	8	8	8	4	12	-	-	-	547	547	547	-	68	68
TRUNK, NEC-----	-	-	-	13	13	13	28	41	-	-	-	165	165	165	-	13	13
THIGH-----	-	-	-	42	42	42	10	52	-	-	-	1,945	1,945	1,945	-	46	46
KNEE-----	-	-	-	18	18	18	6	24	-	-	-	794	794	794	-	44	44
LOWER LEG-----	-	-	-	25	25	25	1	26	-	-	-	945	945	945	-	38	38
ANKLE-----	-	-	-	40	40	40	1	41	-	-	-	1,503	1,503	1,503	-	38	38
FOOT-----	-	-	-	3	3	3	2	5	-	-	-	31	31	31	-	10	10
TOE(S)-----	-	-	-	28	28	28	26	54	-	-	-	443	443	443	-	16	16
LOWER EXTREMITIES, NEC-----	-	-	-	27	27	27	9	36	-	-	-	1,212	1,212	1,212	-	45	45
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	11	942	953	953	721	1,674	-	-	3,785	27,609	31,394	31,394	344	29	33
NONPOWERED HAULAGE:																	
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
ELBOW-----	-	-	-	1	1	1	-	1	-	-	-	40	40	40	-	40	40
HAND-----	-	-	-	1	1	1	-	1	-	-	-	23	23	23	-	23	23
FINGER(S)-----	-	-	1	9	10	10	4	14	-	-	60	208	268	268	60	23	27
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	38	38	38	-	38	38
BACK-----	-	-	1	17	18	18	2	20	-	-	3,000	1,393	4,393	4,393	3,000	82	244
CHEST-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	-	-	12	12	12	-	12	12
SHOULDER(S)-----	-	-	-	2	2	2	-	2	-	-	-	57	57	57	-	28	28
TRUNK, NEC-----	-	-	-	4	4	4	-	4	-	-	-	51	51	51	-	13	13
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	2	2	2	-	2	-	-	-	51	51	51	-	26	26
FOOT-----	-	-	-	6	6	6	-	6	-	-	-	304	304	304	-	51	51
TOE(S)-----	-	-	1	-	1	1	1	2	-	-	300	-	300	300	300	-	300
LOWER EXTREMITIES, NEC-----	-	-	-	3	3	3	-	3	-	-	-	229	229	229	-	76	76
MULTIPLE PARTS OF BODY-----	-	-	-	1	1	1	-	1	-	-	-	210	210	210	-	210	210
TOTAL OR AVERAGE-----	-	-	3	50	53	53	8	61	-	-	3,360	2,638	5,998	5,998	1,120	53	113

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
POWERED HAULAGE:																	
EAR-----	-	-	-	5	5	5	4	9	-	-	-	94	94	94	-	19	19
EYE-----	-	-	-	34	34	34	25	59	-	-	-	284	284	284	-	8	8
JAW-----	-	-	-	2	2	2	1	3	-	-	-	4	4	4	-	2	2
MOUTH/TEETH/TONGUE-----	-	-	-	6	6	6	6	12	-	-	-	43	43	43	-	7	7
NOSE-----	-	-	-	1	1	1	4	5	-	-	-	185	185	185	-	185	185
SCALP-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
SKULL-----	1	-	-	-	-	-	-	-	6,000	-	-	-	-	6,000	-	-	6,000
FACE, NEC-----	-	-	-	17	17	17	9	26	-	-	-	565	565	565	-	33	33
HEAD, NEC-----	4	-	-	51	51	55	36	91	24,000	-	-	1,028	1,028	25,028	-	20	455
NECK-----	-	-	-	135	135	135	21	156	-	-	-	6,513	6,513	6,513	-	48	48
UPPER ARM-----	-	-	-	3	3	3	-	3	-	-	-	60	60	60	-	20	20
ELBOW-----	-	-	-	17	17	17	6	23	-	-	-	463	463	463	-	27	27
FOREARM-----	-	-	1	17	18	18	-	18	-	-	3,600	560	4,160	4,160	3,600	33	231
WRIST-----	-	-	-	13	13	13	4	17	-	-	-	479	479	479	-	37	37
HAND-----	-	-	1	42	43	43	12	55	-	-	3,000	922	3,922	3,922	3,000	22	91
FINGER(S)-----	-	-	18	78	96	96	47	143	-	-	3,920	2,672	6,592	6,592	218	34	69
UPPER EXTREMITIES, NEC-----	-	-	-	29	29	29	5	34	-	-	-	577	577	577	-	20	20
ABDOMEN-----	-	-	-	3	3	3	-	3	-	-	-	62	62	62	-	21	21
BACK-----	-	-	-	322	322	322	29	351	-	-	-	17,001	17,001	17,001	-	53	53
CHEST-----	1	-	-	53	53	54	9	63	6,000	-	-	1,008	1,008	7,008	-	19	130
PELVIC REGION-----	-	-	2	26	28	28	3	31	-	-	3,050	1,657	4,707	4,707	1,525	64	168
SHOULDER(S)-----	-	-	-	50	50	50	-	55	-	-	-	1,784	1,784	1,784	-	36	36
TRUNK, NEC-----	-	-	-	33	33	33	3	36	-	-	-	1,322	1,322	1,322	-	40	40
THIGH-----	-	-	-	8	8	8	-	8	-	-	-	434	434	434	-	54	54
KNEE-----	-	-	-	57	57	57	4	61	-	-	-	2,107	2,107	2,107	-	37	37
LOWER LEG-----	-	-	-	22	22	22	-	22	-	-	-	448	448	448	-	20	20
ANKLE-----	-	-	-	29	29	29	-	29	-	-	-	1,142	1,142	1,142	-	39	39
FOOT-----	-	-	-	57	57	57	4	61	-	-	-	1,742	1,742	1,742	-	31	31
TOE(S)-----	-	-	2	8	10	10	2	12	-	-	375	241	616	616	188	30	62
LOWER EXTREMITIES, NEC-----	-	-	2	54	56	56	4	60	-	-	4,200	2,378	6,578	6,578	2,100	44	117
BODY SYSTEMS-----	-	-	-	3	3	3	-	4	-	-	-	100	100	100	-	33	33
MULTIPLE PARTS OF BODY-----	3	-	8	196	204	207	22	229	18,000	-	18,420	12,641	31,061	49,061	2,302	64	237
TOTAL OR AVERAGE-----	9	-	34	1,372	1,406	1,415	266	1,681	54,000	-	36,565	58,517	95,082	149,082	1,075	43	105
HOISTING:																	
EAR-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EYE-----	-	-	-	1	1	1	1	2	-	-	-	4	4	4	-	4	4
FINGER(S)-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
BACK-----	-	-	-	2	2	2	-	2	-	-	-	11	11	11	-	6	6
KNEE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
MULTIPLE PARTS OF BODY-----	-	-	-	1	1	1	-	1	-	-	-	143	143	143	-	143	143
TOTAL OR AVERAGE-----	-	-	-	5	5	5	3	8	-	-	-	159	159	159	-	32	32

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS							AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
IGNITION OR EXPLOSION OF GAS OR DUST:																	
FACE, NEC-----	-	-	-	3	3	3	-	3	-	-	-	13	13	13	-	4	4
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	29
HAND-----	-	-	-	1	1	1	-	1	-	-	-	174	174	174	-	174	174
THIGH-----	-	-	-	1	1	1	-	1	-	-	-	17	17	17	-	17	17
MULTIPLE PARTS OF BODY----	1	-	-	11	11	12	2	14	6,000	-	-	681	681	6,681	-	62	557
TOTAL OR AVERAGE-----	1	-	-	17	17	18	2	20	6,000	-	-	914	914	6,914	-	54	384
INUNDATION:																	
FINGER(S)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MACHINERY:																	
EAR-----	-	-	-	12	12	12	6	18	-	-	-	200	200	200	-	17	17
EYE-----	-	-	1	132	133	133	155	288	-	-	1,800	686	2,486	2,486	1,800	5	19
JAW-----	-	-	-	4	4	4	2	6	-	-	-	14	14	14	-	4	4
MOUTH/TEETH/TONGUE-----	-	-	-	8	8	8	16	24	-	-	-	40	40	40	-	5	5
NOSE-----	-	-	-	11	11	11	7	18	-	-	-	294	294	294	-	27	27
SCALP-----	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1
SKULL-----	-	-	-	2	2	2	-	2	-	-	-	168	168	168	-	84	84
FACE, NEC-----	-	-	-	18	18	18	18	36	-	-	-	304	304	304	-	17	17
HEAD, NEC-----	1	-	-	36	36	37	31	68	6,000	-	-	581	581	6,581	-	16	178
NECK-----	-	-	-	51	51	51	13	64	-	-	-	2,021	2,021	2,021	-	40	40
UPPER ARM-----	-	-	-	4	4	4	3	7	-	-	-	80	80	80	-	20	20
ELBOW-----	-	-	-	12	12	12	5	17	-	-	-	329	329	329	-	27	27
FOREARM-----	-	-	-	18	18	18	32	50	-	-	-	270	270	270	-	15	15
WRIST-----	-	-	-	30	30	30	13	43	-	-	-	1,584	1,584	1,584	-	53	53
HAND-----	-	-	1	103	104	104	44	148	-	-	100	2,880	2,980	2,980	100	28	29
FINGER(S)-----	-	-	19	267	286	286	153	439	-	-	4,210	6,781	10,991	10,991	222	25	38
UPPER EXTREMITIES, NEC----	-	-	-	56	56	56	22	78	-	-	-	1,814	1,814	1,814	-	32	32
ABDOMEN-----	-	-	-	7	7	7	-	7	-	-	-	213	213	213	-	30	30
BACK-----	-	-	1	195	196	196	17	213	-	-	3,600	8,082	11,682	11,682	3,600	41	60
CHEST-----	2	-	-	29	29	31	5	36	12,000	-	-	789	789	12,789	-	27	413
PELVIC REGION-----	-	-	3	26	29	29	3	32	-	-	1,300	1,763	3,063	3,063	433	68	106
SHOULDER(S)-----	-	-	-	58	58	58	7	65	-	-	-	2,200	2,200	2,200	-	38	38
TRUNK, NEC-----	1	-	-	22	22	23	2	25	6,000	-	-	435	435	6,435	-	20	280
THIGH-----	-	-	-	15	15	15	8	23	-	-	-	682	682	682	-	45	45
KNEE-----	-	-	-	74	74	74	14	88	-	-	-	4,080	4,080	4,080	-	55	55
LOWER LEG-----	-	-	2	24	26	26	5	31	-	-	6,000	748	6,748	6,748	3,000	31	260
ANKLE-----	-	-	-	34	34	34	2	36	-	-	-	934	934	934	-	27	27
FOOT-----	-	-	-	137	137	137	11	148	-	-	-	4,766	4,766	4,766	-	35	35
TOE(S)-----	-	-	-	27	27	27	3	30	-	-	-	1,019	1,019	1,019	-	38	38
LOWER EXTREMITIES, NEC----	-	-	-	59	59	59	6	65	-	-	-	2,168	2,168	2,168	-	37	37
BODY SYSTEMS-----	2	-	-	4	4	6	2	8	12,000	-	-	123	123	12,123	-	31	2,020
MULTIPLE PARTS OF BODY----	4	-	2	131	133	137	22	159	24,000	-	2,400	6,562	8,962	32,962	1,200	50	241
TOTAL OR AVERAGE-----	10	-	29	1,607	1,636	1,646	629	2,275	60,000	-	19,410	52,611	72,021	132,021	669	33	80

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SLIP OR FALL OF PERSON:																	
EAR-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
EYE-----	-	-	-	1	1	1	2	-	-	-	11	11	11	-	11		
JAW-----	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-		
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	5	-	-	-	1	1	1	-	1		
NOSE-----	-	-	-	2	2	2	1	-	-	-	40	40	40	-	20		
FACE, NEC-----	-	-	-	5	5	5	6	-	-	-	39	39	39	-	8		
HEAD, NEC-----	-	-	-	13	13	13	9	-	-	-	330	330	330	-	25		
NECK-----	-	-	-	14	14	14	4	-	-	-	591	591	591	-	42		
UPPER ARM-----	-	-	-	1	1	1	-	-	-	-	60	60	60	-	60		
ELBOW-----	-	-	-	39	39	39	16	-	-	-	1,144	1,144	1,144	-	29		
FOREARM-----	-	-	-	9	9	9	6	-	-	-	272	272	272	-	30		
WRIST-----	-	-	-	53	53	53	9	-	-	-	2,229	2,229	2,229	-	42		
HAND-----	-	-	-	23	23	23	22	-	-	-	704	704	704	-	31		
FINGER(S)-----	-	-	4	39	43	43	31	-	440	-	1,166	1,606	1,606	110	30		
UPPER EXTREMITIES, NEC-----	-	-	-	35	35	35	10	-	-	-	1,468	1,468	1,468	-	42		
ABDOMEN-----	-	-	-	7	7	7	7	-	-	-	146	146	146	-	21		
BACK-----	-	-	1	473	474	474	46	520	-	1,200	24,259	25,459	25,459	1,200	51		
CHEST-----	1	-	-	71	71	72	14	86	6,000	-	1,224	1,224	1,224	-	17		
PELVIC REGION-----	-	-	10	51	61	61	2	63	-	500	2,207	2,707	2,707	50	43		
SHOULDER(S)-----	-	-	-	81	81	81	12	93	-	-	3,816	3,816	3,816	-	47		
TRUNK, NEC-----	-	-	-	50	50	50	9	59	-	-	2,489	2,489	2,489	-	50		
THIGH-----	-	-	-	13	13	13	2	15	-	-	340	340	340	-	26		
KNEE-----	-	-	1	492	493	493	34	527	-	50	22,253	22,303	22,303	50	45		
LOWER LEG-----	-	-	-	29	29	29	10	39	-	-	1,599	1,599	1,599	-	55		
ANKLE-----	-	-	-	251	251	251	16	267	-	-	5,253	5,253	5,253	-	21		
FOOT-----	-	-	-	55	55	55	5	60	-	-	1,797	1,797	1,797	-	33		
TOE(S)-----	-	-	-	5	5	5	3	8	-	-	44	44	44	-	9		
LOWER EXTREMITIES, NEC-----	-	-	-	66	66	66	12	78	-	-	2,245	2,245	2,245	-	34		
MULTIPLE PARTS OF BODY-----	2	-	5	165	170	172	21	193	12,000	-	10,732	22,732	34,732	2,400	65		
UNCLASSIFIED-----	-	-	-	1	1	1	-	1	-	-	1	1	1	-	1		
TOTAL OR AVERAGE-----	3	-	21	2,045	2,066	2,069	310	2,379	18,000	-	14,190	86,460	100,650	118,650	676	42	
STEPPING OR KNEELING ON OBJECT:																	
WRIST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-		
HAND-----	-	-	-	1	1	1	2	3	-	-	1	1	1	-	1		
BACK-----	-	-	-	15	15	15	3	18	-	-	571	571	571	-	38		
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	-	1	1	1	-	1		
KNEE-----	-	-	-	127	127	127	13	140	-	-	4,488	4,488	4,488	-	35		
ANKLE-----	-	-	-	96	96	96	2	98	-	-	1,986	1,986	1,986	-	21		
FOOT-----	-	-	-	25	25	25	18	43	-	-	366	366	366	-	15		
TOE(S)-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-		
LOWER EXTREMITIES, NEC-----	-	-	-	6	6	6	2	8	-	-	210	210	210	-	35		
MULTIPLE PARTS OF BODY-----	-	-	-	3	3	3	1	4	-	-	100	100	100	-	33		
TOTAL OR AVERAGE-----	-	-	-	274	274	274	44	318	-	-	7,723	7,723	7,723	-	28		

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
STRIKING OR BUMPING:																	
EAR-----	-	-	-	7	7	7	9	16	-	-	-	24	24	24	-	3	3
EYE-----	-	-	-	3	3	3	4	7	-	-	-	17	17	17	-	6	6
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
NOSE-----	-	-	-	2	2	2	4	6	-	-	-	23	23	23	-	12	12
SCALP-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
FACE, NEC-----	-	-	-	1	1	1	2	3	-	-	-	4	4	4	-	4	4
HEAD, NEC-----	-	-	-	5	5	5	8	13	-	-	-	41	41	41	-	8	8
NECK-----	-	-	-	74	74	74	18	92	-	-	-	2,852	2,852	2,852	-	39	39
HAND-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
FINGER(S)-----	-	-	-	2	2	2	-	2	-	-	-	15	15	15	-	8	8
BACK-----	-	-	-	11	11	11	4	15	-	-	-	850	850	850	-	77	77
CHEST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SHOULDER(S)-----	-	-	-	5	5	5	-	5	-	-	-	269	269	269	-	54	54
TRUNK, NEC-----	-	-	-	3	3	3	-	3	-	-	-	66	66	66	-	22	22
KNEE-----	-	-	-	12	12	12	-	12	-	-	-	385	385	385	-	32	32
LOWER LEG-----	-	-	-	2	2	2	1	3	-	-	-	20	20	20	-	10	10
FOOT-----	-	-	-	2	2	2	-	2	-	-	-	19	19	19	-	10	10
TOE(S)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	12	12	12	3	15	-	-	-	772	772	772	-	64	64
TOTAL OR AVERAGE-----	-	-	-	143	143	143	59	202	-	-	-	5,359	5,359	5,359	-	37	37
OTHER INJURIES:																	
EAR-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EYE-----	-	-	-	21	21	21	26	47	-	-	-	44	44	44	-	2	2
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	1	2	-	-	-	5	5	5	-	5	5
NOSE-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
HEAD, NEC-----	-	-	-	5	5	5	2	7	-	-	-	94	94	94	-	19	19
NECK-----	-	-	-	7	7	7	-	7	-	-	-	677	677	677	-	97	97
ELBOW-----	-	-	-	2	2	2	-	2	-	-	-	216	216	216	-	108	108
HAND-----	-	-	-	3	3	3	1	4	-	-	-	85	85	85	-	28	28
FINGER(S)-----	-	-	-	3	3	3	1	4	-	-	-	92	92	92	-	31	31
UPPER EXTREMITIES, NEC-----	-	-	-	2	2	2	1	3	-	-	-	75	75	75	-	38	38
ABDOMEN-----	-	-	-	1	1	1	-	1	-	-	-	44	44	44	-	44	44
BACK-----	-	-	-	59	59	59	3	62	-	-	-	4,501	4,501	4,501	-	76	76
PELVIC REGION-----	-	-	-	3	3	3	-	3	-	-	-	200	200	200	-	67	67
SHOULDER(S)-----	-	-	1	5	6	6	-	6	-	1,125	363	1,488	1,488	1,488	1,125	73	248
TRUNK, NEC-----	-	-	-	3	3	3	-	3	-	-	-	208	208	208	-	69	69
KNEE-----	-	-	-	30	30	30	1	31	-	-	-	1,511	1,511	1,511	-	50	50
LOWER LEG-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
ANKLE-----	-	-	-	7	7	7	-	7	-	-	-	277	277	277	-	40	40
FOOT-----	-	-	-	2	2	2	-	2	-	-	-	51	51	51	-	26	26
LOWER EXTREMITIES, NEC-----	-	-	-	3	3	3	-	3	-	-	-	544	544	544	-	181	181
BODY SYSTEMS-----	1	-	-	11	11	12	8	20	6,000	-	-	208	208	6,208	-	19	517
MULTIPLE PARTS OF BODY-----	-	-	-	16	16	16	3	19	-	-	-	827	827	827	-	52	52
UNCLASSIFIED-----	-	-	-	2	2	2	-	2	-	-	-	29	29	29	-	14	14
TOTAL OR AVERAGE-----	1	-	1	188	189	190	48	238	6,000	-	1,125	10,073	11,198	17,198	1,125	54	91

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL			
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL	
		TOTAL	PARTIAL							TOTAL	PARTIAL							
TOTAL OR AVERAGE:	-	-	-	36	36	36	46	82	-	-	-	505	505	505	-	14	14	
EAR-----	-	-	-	36	36	36	46	82	-	-	-	505	505	505	-	14	14	
EYE-----	-	-	1	372	373	373	362	735	-	-	1,800	3,424	5,224	5,224	1,800	9	22	
JAW-----	-	-	-	22	22	22	26	48	-	-	-	479	479	479	-	22	22	
MOUTH/TEETH/TONGUE-----	-	-	-	36	36	36	101	137	-	-	-	176	176	176	-	5	5	
NOSE-----	-	-	-	31	31	31	34	65	-	-	-	730	730	730	-	24	24	
SCALP-----	-	-	-	6	6	6	9	15	-	-	-	7	7	7	-	1	1	
SKULL-----	2	-	-	2	2	4	-	4	12,000	-	-	168	168	12,168	-	84	3,042	
FACE, NEC-----	-	-	-	80	80	80	73	153	-	-	-	1,874	1,874	1,874	-	23	23	
HEAD, NEC-----	9	1	1	178	180	189	200	389	54,000	6,000	1,800	3,206	11,006	65,006	1,800	18	344	
NECK-----	-	-	-	406	406	406	75	481	-	-	-	18,104	18,104	18,104	-	45	45	
UPPER ARM-----	-	-	-	22	22	22	7	29	-	-	-	623	623	623	-	28	28	
ELBOW-----	-	-	-	158	158	158	46	204	-	-	-	4,450	4,450	4,450	-	28	28	
FOREARM-----	-	-	1	82	83	83	89	172	-	-	3,600	2,307	5,907	5,907	3,600	28	71	
WRIST-----	-	-	-	191	191	191	59	250	-	-	-	7,159	7,159	7,159	-	37	37	
HAND-----	-	-	2	384	386	386	270	656	-	-	3,100	9,417	12,517	12,517	1,550	25	32	
FINGER(S)-----	-	-	60	1,033	1,093	1,093	944	2,037	-	-	-	10,660	23,943	34,603	34,603	178	23	32
UPPER EXTREMITIES, NEC-----	-	-	-	213	213	213	90	303	-	-	-	6,579	6,579	6,579	-	31	31	
ABDOMEN-----	-	-	-	60	60	60	6	66	-	-	-	1,318	1,318	1,318	-	22	22	
BACK-----	1	-	13	3,515	3,528	3,529	306	3,835	6,000	-	27,780	166,587	194,367	200,367	2,137	47	57	
CHEST-----	6	-	-	246	246	252	52	304	36,000	-	-	5,055	5,055	41,055	-	21	163	
PELVIC REGION-----	-	-	134	290	424	424	19	443	-	-	10,800	11,849	22,649	22,649	81	41	53	
SHOULDER(S)-----	-	-	1	413	414	414	52	466	-	-	1,125	16,062	17,187	17,187	1,125	39	42	
TRUNK, NEC-----	3	-	-	207	207	210	24	234	18,000	-	-	7,617	7,617	25,617	-	37	122	
THIGH-----	-	-	-	66	66	66	42	108	-	-	-	1,911	1,911	1,911	-	29	29	
KNEE-----	-	-	1	1,095	1,096	1,096	101	1,197	-	-	50	48,484	48,534	48,534	50	44	44	
LOWER LEG-----	-	-	2	142	144	144	32	176	-	-	6,000	5,831	11,831	11,831	3,000	41	82	
ANKLE-----	-	-	-	491	491	491	25	516	-	-	-	12,569	12,569	12,569	-	26	26	
FOOT-----	-	-	1	513	514	514	59	573	-	-	1,200	15,906	17,106	17,106	1,200	31	33	
TOE(S)-----	-	-	3	71	74	74	24	98	-	-	-	675	2,395	3,070	3,070	225	34	41
LOWER EXTREMITIES, NEC-----	-	-	3	323	326	326	65	391	-	-	7,200	13,197	20,397	20,397	2,400	41	63	
BODY SYSTEMS-----	12	-	-	48	48	60	16	76	72,000	-	-	892	892	72,892	-	19	1,215	
MULTIPLE PARTS OF BODY-----	26	2	18	861	881	907	121	1,028	156,000	12,000	44,220	50,418	106,638	262,638	2,457	59	290	
UNCLASSIFIED-----	-	-	-	3	3	3	1	4	-	-	-	30	30	30	-	10	10	
TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,899	3,376	15,275	354,000	18,000	120,010	443,272	581,282	935,282	498	38	79	

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, 1990

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
ELECTRICAL: SHOULDER(S)----- BODY SYSTEMS----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	1 1 2	1 1 2	1 1 2	- - -	1 1 2	- - -	- - -	- - -	71 28 99	71 28 99	71 28 99	- - -	71 28 50	71 28 50
EXPLOSIVE AND BREAKING AGENT: MULTIPLE PARTS OF BODY---- TOTAL OR AVERAGE-----	- - -	- - -	- - -	- - -	- - -	- - -	1 1	1 1	- -	- -	- -	- -	- -	- -	- -	- -	- -
FALLING, ROLLING, OR SLIDING MATERIAL: BODY SYSTEMS----- TOTAL OR AVERAGE-----	2 2	- -	- -	- -	- -	2 2	- -	2 2	12,000 12,000	- -	- -	- -	- -	12,000 12,000	- -	- -	6,000 6,000
FALL OF ROOF (UNDER- GROUND MINES ONLY): EYE----- TOTAL OR AVERAGE-----	- -	- -	- -	1 1	1 1	1 1	- -	1 1	- -	- -	- -	1 1	1 1	1 1	- -	1 1	1 1
HANDLING MATERIAL: EYE----- ELBOW----- FOREARM----- WRIST----- HAND----- FINGER(S)----- UPPER EXTREMITIES, NEC----- ABDOMEN----- BACK----- CHEST----- PELVIC REGION----- SHOULDER(S)----- KNEE----- LOWER LEG----- FOOT----- TOE(S)----- MULTIPLE PARTS OF BODY---- TOTAL OR AVERAGE-----	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - 1	- - - - - - - - - - 3 - - - - - - - -	1 1 - 1 2 7 1 1 24 2 3 6 3 1 2 1 1 2 3	1 1 - 1 2 7 1 1 24 2 6 6 3 1 2 1 1 3	1 1 - 1 2 7 1 1 24 2 6 6 3 1 2 1 1 3	- - 2 - 1 4 1 2 2 - 6 - 6 1 - - - - - 2	1 1 - 1 3 11 2 - 26 2 6 - - - - - - - 5	- - - - - - - - - - - - - - - - - - 6,000	- - - - - - - - - - 150 - - - - - - - -	- - - - - - - - - - - - - - - - - - -	6 6 - 5 19 119 55 6 1,068 59 23 69 182 2 236 4 47	6 6 - 5 19 119 55 6 1,068 59 173 69 182 2 236 4 6,047	6 6 - 5 19 119 55 6 1,068 59 173 69 182 2 236 4 6,047	- - - - - - - - - - 50 - - - - - - -	6 6 - 5 10 17 55 6 44 30 8 12 61 2 118 4 24	6 6 - 5 10 17 55 6 44 30 29 12 61 2 118 4 2,016

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL
		TOTAL	PARTIAL						TOTAL	PARTIAL						
HAND TOOL:																
EYE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
JAW-----	-	-	-	1	1	1	-	1	-	-	-	19	19	19	-	19
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
ELBOW-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
WRIST-----	-	-	-	1	1	1	-	1	-	-	-	93	93	93	-	93
HAND-----	-	-	-	1	1	1	-	1	-	-	-	193	193	193	-	193
FINGER(S)-----	-	-	-	3	3	3	3	6	-	-	-	73	73	73	-	24
UPPER EXTREMITIES, NEC----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
BACK-----	-	-	-	1	1	1	3	4	-	-	-	114	114	114	-	114
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	-	-	30	30	30	-	30
KNEE-----	-	-	-	2	2	2	-	2	-	-	-	270	270	270	-	135
ANKLE-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2
FOOT-----	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29
LOWER EXTREMITIES, NEC----	-	-	-	2	2	2	-	2	-	-	-	28	28	28	-	14
TOTAL OR AVERAGE-----	-	-	-	14	14	14	11	25	-	-	-	851	851	851	-	61
POWERED HAULAGE:																
NECK-----	-	-	-	2	2	2	-	2	-	-	-	39	39	39	-	20
HAND-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
BACK-----	-	-	-	2	2	2	-	2	-	-	-	177	177	177	-	88
ANKLE-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2
MULTIPLE PARTS OF BODY----	-	-	-	7	7	7	-	7	-	-	-	616	616	616	-	88
TOTAL OR AVERAGE-----	-	-	-	12	12	12	1	13	-	-	-	834	834	834	-	70
MACHINERY:																
EYE-----	-	-	-	10	10	10	1	11	-	-	-	18	18	18	-	2
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
NECK-----	-	-	-	1	1	1	-	1	-	-	-	11	11	11	-	11
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
HAND-----	-	-	-	1	1	1	1	2	-	-	-	5	5	5	-	5
FINGER(S)-----	-	-	-	4	4	4	-	4	-	-	-	135	135	135	-	34
UPPER EXTREMITIES, NEC----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
BACK-----	-	-	-	3	3	3	-	3	-	-	-	123	123	123	-	41
CHEST-----	-	-	-	1	1	1	1	2	-	-	-	52	52	52	-	52
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
LOWER LEG-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3
ANKLE-----	-	-	-	1	1	1	-	1	-	-	-	18	18	18	-	18
FOOT-----	-	-	-	1	1	1	1	2	-	-	-	45	45	45	-	45
MULTIPLE PARTS OF BODY----	-	-	-	2	2	2	-	2	-	-	-	354	354	354	-	177
TOTAL OR AVERAGE-----	-	-	-	25	25	25	8	33	-	-	-	764	764	764	-	31

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SLIP OR FALL OF PERSON:																	
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
ELBOW-----	-	-	-	3	3	3	-	3	-	-	-	95	95	95	-	32	32
WRIST-----	-	-	-	2	2	2	-	2	-	-	-	186	186	186	-	93	93
HAND-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FINGER(S)-----	-	-	1	-	1	1	-	1	-	-	210	-	210	210	210	-	210
UPPER EXTREMITIES, NEC----	-	-	-	3	3	3	1	4	-	-	-	78	78	78	-	26	26
BACK-----	-	-	-	15	15	15	-	15	-	-	-	1,357	1,357	1,357	-	90	90
CHEST-----	-	-	-	3	3	3	-	3	-	-	-	191	191	191	-	64	64
PELVIC REGION-----	-	-	1	3	4	4	-	4	-	-	50	68	118	118	50	23	30
SHOULDER(S)-----	-	-	-	1	1	1	1	2	-	-	-	59	59	59	-	59	59
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	48
KNEE-----	-	-	-	13	13	13	-	13	-	-	-	329	329	329	-	25	25
ANKLE-----	-	-	-	5	5	5	-	5	-	-	-	25	25	25	-	5	5
FOOT-----	-	-	-	1	1	1	-	1	-	-	-	19	19	19	-	19	19
LOWER EXTREMITIES, NEC----	-	-	-	2	2	2	-	2	-	-	-	136	136	136	-	68	68
MULTIPLE PARTS OF BODY----	-	-	-	13	13	13	-	13	-	-	-	1,598	1,598	1,598	-	123	123
TOTAL OR AVERAGE-----	-	-	2	66	68	68	3	71	-	-	260	4,193	4,453	4,453	130	64	65
STEPPING OR KNEELING ON OBJECT:																	
BACK-----	-	-	-	1	1	1	-	1	-	-	-	11	11	11	-	11	11
KNEE-----	-	-	-	2	2	2	-	2	-	-	-	12	12	12	-	6	6
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	-	-	23	23	23	-	8	8
OTHER INJURIES:																	
EYE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
HAND-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55
FINGER(S)-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
ABDOMEN-----	-	-	-	1	1	1	-	1	-	-	-	44	44	44	-	44	44
BODY SYSTEMS-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	4	4	4	1	5	-	-	-	107	107	107	-	27	27

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE:	-	-	-	13	13	13	2	15	-	-	-	26	26	26	-	2	2
EYE-----	-	-	-	1	1	1	-	1	-	-	-	19	19	19	-	19	19
JAW-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
NECK-----	-	-	-	3	3	3	-	3	-	-	-	50	50	50	-	17	17
ELBOW-----	-	-	-	4	4	4	1	5	-	-	-	101	101	101	-	25	25
FOREARM-----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
WRIST-----	-	-	-	4	4	4	-	4	-	-	-	284	284	284	-	71	71
HAND-----	-	-	-	5	5	5	4	9	-	-	-	272	272	272	-	54	54
FINGER(S)-----	-	-	1	15	16	16	7	23	-	-	210	334	544	544	210	22	34
UPPER EXTREMITIES, NEC----	-	-	-	4	4	4	4	8	-	-	-	133	133	133	-	33	33
ABDOMEN-----	-	-	-	2	2	2	-	2	-	-	-	50	50	50	-	25	25
BACK-----	-	-	-	46	46	46	5	51	-	-	-	2,850	2,850	2,850	-	62	62
CHEST-----	-	-	-	6	6	6	1	7	-	-	-	302	302	302	-	50	50
PELVIC REGION-----	-	-	4	7	11	11	-	11	-	-	200	121	321	321	50	17	29
SHOULDER(S)-----	-	-	-	8	8	8	1	9	-	-	-	199	199	199	-	25	25
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	48
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	20	20	20	1	21	-	-	-	793	793	793	-	40	40
LOWER LEG-----	-	-	-	2	2	2	-	2	-	-	-	5	5	5	-	2	2
ANKLE-----	-	-	-	8	8	8	-	8	-	-	-	47	47	47	-	6	6
FOOT-----	-	-	-	5	5	5	1	6	-	-	-	329	329	329	-	66	66
TOE(S)-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
LOWER EXTREMITIES, NEC----	-	-	-	4	4	4	-	4	-	-	-	164	164	164	-	41	41
BODY SYSTEMS-----	2	-	-	1	1	3	1	4	12,000	-	-	28	28	12,028	-	28	4,009
MULTIPLE PARTS OF BODY----	-	1	-	24	25	25	3	28	-	6,000	-	2,615	8,615	8,615	-	109	345
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141

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, 1990

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS							AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
ELECTRICAL:																	
EAR-----	-	-	-	2	2	2	1	3	-	-	-	6	6	6	-	3	3
EYE-----	-	-	-	34	34	34	4	38	-	-	-	192	192	192	-	6	6
FACE, NEC-----	-	-	-	2	2	2	1	3	-	-	-	25	25	25	-	12	12
HEAD, NEC-----	-	-	-	4	4	4	2	6	-	-	-	39	39	39	-	10	10
UPPER ARM-----	-	-	-	1	1	1	-	1	-	-	-	14	14	14	-	14	14
ELBOW-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
FOREARM-----	-	-	-	3	3	3	-	3	-	-	-	115	115	115	-	38	38
WRIST-----	-	-	-	4	4	4	-	4	-	-	-	37	37	37	-	9	9
HAND-----	-	-	-	22	22	22	3	25	-	-	-	338	338	338	-	15	15
FINGER(S)-----	-	-	-	2	2	2	6	8	-	-	-	3	3	3	-	2	2
UPPER EXTREMITIES, NEC-----	-	-	-	8	8	8	-	8	-	-	-	184	184	184	-	23	23
CHEST-----	-	-	-	2	2	2	-	2	-	-	-	11	11	11	-	6	6
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	-	-	26	26	26	-	26	26
KNEE-----	-	-	-	2	2	2	-	2	-	-	-	45	45	45	-	22	22
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	58	58	58	-	58	58
BODY SYSTEMS-----	7	-	-	21	21	28	4	32	42,000	-	-	390	390	42,390	-	19	1,514
MULTIPLE PARTS OF BODY-----	-	-	-	26	26	26	-	26	-	-	-	1,277	1,277	1,277	-	49	49
TOTAL OR AVERAGE-----	7	-	-	137	137	144	21	165	42,000	-	-	2,787	2,787	44,787	-	20	311
ENTRAPMENT:																	
UNCLASSIFIED-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL UNDER PRESSURE:																	
EAR-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EYE-----	-	-	-	8	8	8	2	10	-	-	-	206	206	206	-	26	26
FACE, NEC-----	-	-	-	2	2	2	1	3	-	-	-	65	65	65	-	32	32
HEAD, NEC-----	-	-	-	1	1	1	1	2	-	-	-	82	82	82	-	82	82
ELBOW-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FOREARM-----	-	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
WRIST-----	-	-	-	1	1	1	-	1	-	-	-	282	282	282	-	282	282
HAND-----	-	-	-	2	2	2	-	2	-	-	-	65	65	65	-	32	32
FINGER(S)-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	13	13	13	-	13	13
BACK-----	-	-	-	2	2	2	-	2	-	-	-	77	77	77	-	38	38
CHEST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
KNEE-----	-	-	-	1	1	1	-	1	-	-	-	6	6	6	-	6	6
MULTIPLE PARTS OF BODY-----	-	-	-	4	4	4	-	4	-	-	-	84	84	84	-	21	21
TOTAL OR AVERAGE-----	-	-	-	24	24	24	9	33	-	-	-	888	888	888	-	37	37

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
EXPLOSIVE AND BREAKING AGENT:																	
EAR-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
JAW-----	-	-	-	1	1	1	-	1	-	-	-	2	2	-	2	2	
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
HEAD, NEC-----	-	-	-	2	2	2	-	2	-	-	-	22	22	-	11	11	
BACK-----	-	-	-	1	1	1	-	1	-	-	-	15	15	-	15	15	
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	-	-	1	1	-	1	1	
LOWER LEG-----	-	-	-	1	1	1	-	1	-	-	-	72	72	-	72	72	
FOOT-----	-	-	-	1	1	1	-	1	-	-	-	12	12	-	12	12	
LOWER EXTREMITIES, NEC----	-	-	-	1	1	1	2	3	-	-	-	2	2	-	2	2	
BODY SYSTEMS-----	-	-	-	2	2	2	-	2	-	-	-	34	34	-	17	17	
MULTIPLE PARTS OF BODY----	4	-	-	5	5	9	1	10	24,000	-	-	182	182	-	36	2,687	
TOTAL OR AVERAGE-----	4	-	-	15	15	19	5	24	24,000	-	-	342	342	-	23	1,281	
FALLING, ROLLING, OR SLIDING MATERIAL:																	
EAR-----	-	-	-	1	1	1	-	1	-	-	-	5	5	-	5	5	
FACE, NEC-----	-	-	-	1	1	1	-	1	-	-	-	17	17	-	17	17	
HEAD, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
HAND-----	-	-	-	1	1	1	-	1	-	-	-	8	8	-	8	8	
FINGER(S)-----	-	-	-	1	1	1	-	1	-	-	-	58	58	-	58	58	
BACK-----	-	-	-	4	4	4	-	4	-	-	-	92	92	-	23	23	
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	-	-	148	148	-	148	148	
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	-	-	3	3	-	3	3	
ANKLE-----	-	-	-	1	1	1	-	1	-	-	-	74	74	-	74	74	
FOOT-----	-	-	-	5	5	5	-	5	-	-	-	86	86	-	17	17	
TOE(S)-----	-	-	-	2	2	2	-	2	-	-	-	253	253	-	126	126	
LOWER EXTREMITIES, NEC----	-	-	1	2	2	2	-	2	-	-	3,000	40	3,040	3,000	40	1,520	
MULTIPLE PARTS OF BODY----	-	-	-	4	4	4	1	5	-	-	-	50	50	-	12	12	
TOTAL OR AVERAGE-----	-	-	1	23	24	24	2	26	-	-	3,000	834	3,834	3,000	36	160	

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
FALL OF FACE, RIB, SIDE OR HIGHWALL:	-	-	-	1	1	1	1	2	-	-	-	122	122	122	-	122	122
EAR-----	-	-	-	3	3	3	1	4	-	-	-	4	4	4	-	1	1
EYE-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
JAW-----	-	-	-	1	1	1	1	2	-	-	-	5	5	5	-	5	5
FACE, NEC-----	-	-	-	3	3	3	8	11	-	-	-	46	46	46	-	15	15
HEAD, NEC-----	-	-	-	4	4	4	2	6	-	-	-	550	550	550	-	138	138
NECK-----	-	-	-	1	1	1	-	1	-	-	-	17	17	17	-	17	17
UPPER ARM-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
FOREARM-----	-	-	-	3	3	3	-	3	-	-	-	4	4	4	-	1	1
WRIST-----	-	-	-	4	4	4	3	7	-	-	-	131	131	131	-	33	33
HAND-----	-	-	-	8	8	8	3	11	-	-	-	194	194	194	-	24	24
FINGER(S)-----	-	-	-	8	8	8	1	9	-	-	-	148	148	148	-	18	18
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
ABDOMEN-----	-	-	-	18	19	19	2	21	-	-	1,200	632	1,832	1,832	1,200	35	96
BACK-----	-	-	1	2	2	2	2	4	-	-	-	52	52	52	-	26	26
CHEST-----	-	-	-	3	3	3	1	4	-	-	-	933	933	933	-	311	311
PELVIC REGION-----	-	-	-	5	5	5	1	6	-	-	-	45	45	45	-	9	9
SHOULDER(S)-----	-	-	-	6	6	6	-	6	-	-	-	213	213	213	-	36	36
TRUNK, NFC-----	-	-	-	2	2	2	-	2	-	-	-	61	61	61	-	30	30
THIGH-----	-	-	-	10	10	10	1	11	-	-	-	250	250	250	-	25	25
KNEE-----	-	-	-	7	7	7	1	8	-	-	-	516	516	516	-	74	74
LOWER LEG-----	-	-	-	4	4	4	1	5	-	-	-	189	189	189	-	47	47
ANKLE-----	-	-	-	22	22	22	1	23	-	-	-	893	893	893	-	41	41
FOOT-----	-	-	-	3	3	3	-	3	-	-	-	79	79	79	-	26	26
TOE(S)-----	-	-	-	16	16	16	1	17	-	-	-	614	614	614	-	38	38
LOWER EXTREMITIES, NEC-----	-	-	-	24	24	25	3	28	6,000	-	-	1,307	1,307	7,307	-	54	292
MULTIPLE PARTS OF BODY-----	1	-	-	161	162	163	34	197	6,000	-	1,200	7,041	8,241	14,241	1,200	44	87
TOTAL OR AVERAGE-----	1	-	1	161	162	163	34	197	6,000	-	1,200	7,041	8,241	14,241	1,200	44	87

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
FALL OF ROOF (UNDER- GROUND MINES ONLY):																	
EAR-----	-	-	-	2	2	2	4	6	-	-	-	17	17	17	-	8	8
EYE-----	-	-	-	6	6	6	6	12	-	-	-	212	212	212	-	35	35
JAW-----	-	-	-	1	1	1	5	6	-	-	-	60	60	60	-	60	60
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1
NOSE-----	-	-	-	4	4	4	5	9	-	-	-	115	115	115	-	29	29
SCALP-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
SKULL-----	1	-	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	-	6,000
FACE, NEC-----	-	-	-	4	4	4	3	7	-	-	-	213	213	213	-	53	53
HEAD, NEC-----	4	1	-	20	21	25	12	37	24,000	6,000	-	412	6,412	30,412	-	21	1,216
NECK-----	-	-	-	37	37	37	3	40	-	-	-	1,595	1,595	1,595	-	43	43
UPPER ARM-----	-	-	-	2	2	2	3	5	-	-	-	73	73	73	-	36	36
ELBOW-----	-	-	-	2	2	2	1	3	-	-	-	135	135	135	-	68	68
FOREARM-----	-	-	-	9	9	9	8	17	-	-	-	274	274	274	-	30	30
WRIST-----	-	-	-	4	4	4	1	5	-	-	-	14	14	14	-	4	4
HAND-----	-	-	-	22	22	22	18	40	-	-	-	510	510	510	-	23	23
FINGER(S)-----	-	-	1	36	37	37	22	59	-	-	50	1,590	1,640	1,640	50	44	44
UPPER EXTREMITIES, NEC-----	-	-	-	9	9	9	9	18	-	-	-	247	247	247	-	27	27
BACK-----	1	-	-	58	58	59	7	66	6,000	-	-	3,540	3,540	9,540	-	61	162
CHEST-----	2	-	-	5	5	7	3	10	12,000	-	-	92	92	12,092	-	18	1,727
PELVIC REGION-----	-	-	1	10	11	11	2	13	-	-	50	587	637	637	50	59	58
SHOULDER(S)-----	-	-	-	35	35	35	6	41	-	-	-	1,455	1,455	1,455	-	42	42
TRUNK, NEC-----	2	-	-	16	16	18	1	19	12,000	-	-	387	387	12,387	-	24	688
THIGH-----	-	-	-	4	4	4	1	5	-	-	-	82	82	82	-	20	20
KNEE-----	-	-	-	29	29	29	4	33	-	-	-	1,201	1,201	1,201	-	41	41
LOWER LEG-----	-	-	-	12	12	12	3	15	-	-	-	564	564	564	-	47	47
ANKLE-----	-	-	-	15	15	15	1	16	-	-	-	775	775	775	-	52	52
FOOT-----	-	-	1	42	43	43	6	49	-	-	1,200	1,522	2,722	2,722	1,200	36	63
TOE(S)-----	-	-	-	5	5	5	1	6	-	-	-	102	102	102	-	20	20
LOWER EXTREMITIES, NEC-----	-	-	-	34	34	34	3	37	-	-	-	1,997	1,997	1,997	-	59	59
MULTIPLE PARTS OF BODY-----	11	1	3	121	125	136	8	144	66,000	6,000	11,400	6,099	23,499	89,499	3,800	50	658
TOTAL OR AVERAGE-----	21	2	6	546	554	575	148	723	126,000	12,000	12,700	23,872	48,572	174,572	2,117	44	304
FIRE:																	
EAR-----	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1
EYE-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
FACE, NEC-----	-	-	-	2	2	2	1	3	-	-	-	20	20	20	-	10	10
HAND-----	-	-	-	4	4	4	1	5	-	-	-	60	60	60	-	15	15
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
KNEE-----	-	-	-	1	1	1	-	1	-	-	-	36	36	36	-	36	36
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	60	60	60	-	60	60
BODY SYSTEMS-----	-	-	-	2	2	2	-	2	-	-	-	4	4	4	-	2	2
MULTIPLE PARTS OF BODY-----	-	-	-	9	9	9	5	14	-	-	-	249	249	249	-	28	28
TOTAL OR AVERAGE-----	-	-	-	21	21	21	11	32	-	-	-	432	432	432	-	21	21

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY					TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
HANDLING MATERIAL:	-	-	-	3	3	3	8	11	-	-	-	10	10	10	-	3	3
EAR-----	-	-	-	67	67	67	94	161	-	-	-	539	539	539	-	8	8
EYE-----	-	-	-	2	2	2	2	4	-	-	-	59	59	59	-	30	30
JAW-----	-	-	-	7	7	7	27	34	-	-	-	15	15	15	-	2	2
MOUTH/TEETH/TONGUE-----	-	-	-	2	2	2	9	11	-	-	-	7	7	7	-	4	4
NOSE-----	-	-	-	2	2	2	4	6	-	-	-	3	3	3	-	2	2
SCALP-----	-	-	-	9	9	9	10	19	-	-	-	233	233	233	-	26	26
FACE, NEC-----	-	-	1	21	22	22	39	61	-	-	1,800	242	2,042	2,042	1,800	12	93
HEAD, NEC-----	-	-	-	73	73	73	9	82	-	-	-	3,135	3,135	3,135	-	43	43
NECK-----	-	-	-	3	3	3	-	3	-	-	-	83	83	83	-	28	28
UPPER ARM-----	-	-	-	59	59	59	9	68	-	-	-	1,471	1,471	1,471	-	25	25
ELBOW-----	-	-	-	13	13	13	17	30	-	-	-	567	567	567	-	44	44
FOREARM-----	-	-	-	54	54	54	18	72	-	-	-	1,891	1,891	1,891	-	35	35
WRIST-----	-	-	-	88	88	88	77	165	-	-	-	2,349	2,349	2,349	-	27	27
HAND-----	-	-	-	386	399	399	404	803	-	-	1,555	7,760	9,315	9,315	120	20	23
FINGER(S)-----	-	-	13	47	47	47	19	66	-	-	-	1,632	1,632	1,632	-	35	35
UPPER EXTREMITIES, NEC-----	-	-	-	35	35	35	2	37	-	-	-	747	747	747	-	21	21
ABDOMEN-----	-	-	-	8	2,125	2,133	178	2,311	-	-	15,720	95,641	111,361	111,361	1,965	45	52
BACK-----	-	-	-	61	61	61	8	69	-	-	-	1,427	1,427	1,427	-	23	23
CHEST-----	-	-	-	109	150	259	7	266	-	-	5,450	4,068	9,518	9,518	50	27	37
PELVIC REGION-----	-	-	-	-	129	129	17	146	-	-	-	4,426	4,426	4,426	-	34	34
SHOULDER(S)-----	-	-	-	-	62	62	5	67	-	-	-	1,899	1,899	1,899	-	31	31
TRUNK, NEC-----	-	-	-	10	10	10	2	12	-	-	-	130	130	130	-	13	13
THIGH-----	-	-	-	212	212	212	19	231	-	-	-	9,943	9,943	9,943	-	47	47
KNEE-----	-	-	-	-	25	25	6	31	-	-	-	1,048	1,048	1,048	-	42	42
LOWER LEG-----	-	-	-	-	29	29	2	31	-	-	-	994	994	994	-	34	34
ANKLE-----	-	-	-	-	117	117	13	130	-	-	-	2,609	2,609	2,609	-	22	22
FOOT-----	-	-	-	-	17	17	9	26	-	-	-	622	622	622	-	37	37
TOE(S)-----	-	-	-	-	50	50	8	58	-	-	-	2,209	2,209	2,209	-	44	44
LOWER EXTREMITIES, NEC-----	-	-	-	-	4	4	1	5	-	-	-	5	5	5	-	1	1
BODY SYSTEMS-----	-	-	-	-	103	103	17	120	-	-	-	7,243	7,243	7,243	-	70	70
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	131	3,965	4,096	4,096	1,040	5,136	-	-	24,525	153,007	177,532	177,532	187	39	43

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
HAND TOOL:	-	-	-	2	2	2	6	8	-	-	-	26	26	26	-	13	13
EAR-----	-	-	-	60	60	60	39	99	-	-	-	1,218	1,218	1,218	-	20	20
EYE-----	-	-	-	10	10	10	14	24	-	-	-	293	293	293	-	29	29
JAW-----	-	-	-	12	12	12	42	54	-	-	-	71	71	71	-	6	6
MOUTH/TEETH/TONGUE-----	-	-	-	8	8	8	3	11	-	-	-	64	64	64	-	8	8
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCALP-----	-	-	-	15	15	15	21	36	-	-	-	371	371	371	-	25	25
FACE, NEC-----	-	-	-	15	15	15	51	66	-	-	-	258	258	258	-	17	17
HEAD, NEC-----	-	-	-	11	11	11	5	16	-	-	-	170	170	170	-	15	15
NECK-----	-	-	-	7	7	7	7	8	-	-	-	236	236	236	-	34	34
UPPER ARM-----	-	-	-	24	24	24	7	31	-	-	-	639	639	639	-	27	27
ELBOW-----	-	-	-	11	11	11	24	35	-	-	-	240	240	240	-	22	22
FOREARM-----	-	-	-	27	27	27	13	40	-	-	-	541	541	541	-	20	20
WRIST-----	-	-	-	63	63	63	85	148	-	-	-	954	954	954	-	15	15
HAND-----	-	-	4	192	196	196	262	458	-	-	425	3,212	3,637	3,637	106	17	19
FINGER(S)-----	-	-	-	15	15	15	21	36	-	-	-	326	326	326	-	22	22
UPPER EXTREMITIES, NEC-----	-	-	-	5	5	5	4	9	-	-	-	96	96	96	-	19	19
ABDOMEN-----	-	-	1	188	189	189	10	199	-	-	3,060	8,740	11,800	11,800	3,060	46	62
BACK-----	-	-	-	20	20	20	9	29	-	-	-	373	373	373	-	19	19
CHEST-----	-	-	6	13	19	19	1	20	-	-	300	198	498	498	50	15	26
PELVIC REGION-----	-	-	-	32	32	32	4	36	-	-	-	1,476	1,476	1,476	-	46	46
SHOULDER(S)-----	-	-	-	8	8	8	4	12	-	-	-	547	547	547	-	68	68
TRUNK, NEC-----	-	-	-	13	13	13	28	41	-	-	-	165	165	165	-	13	13
THIGH-----	-	-	-	40	40	40	10	50	-	-	-	1,675	1,675	1,675	-	42	42
KNEE-----	-	-	-	18	18	18	6	24	-	-	-	794	794	794	-	44	44
LOWER LEG-----	-	-	-	24	24	24	1	25	-	-	-	943	943	943	-	39	39
ANKLE-----	-	-	-	39	39	39	1	40	-	-	-	1,474	1,474	1,474	-	38	38
FOOT-----	-	-	-	3	3	3	2	5	-	-	-	31	31	31	-	10	10
TOE(S)-----	-	-	-	26	26	26	26	52	-	-	-	415	415	415	-	16	16
LOWER EXTREMITIES, NEC-----	-	-	-	27	27	27	9	36	-	-	-	1,212	1,212	1,212	-	45	45
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	11	928	939	939	710	1,649	-	-	3,785	26,758	30,543	30,543	344	29	33
NONPOWERED HAULAGE:																	
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
ELBOW-----	-	-	-	1	1	1	-	1	-	-	-	40	40	40	-	40	40
HAND-----	-	-	-	1	1	1	-	1	-	-	-	23	23	23	-	23	23
FINGER(S)-----	-	-	1	9	10	10	4	14	-	-	60	208	268	268	60	23	27
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	38	38	38	-	38	38
BACK-----	-	-	1	17	18	18	2	20	-	-	3,000	1,393	4,393	4,393	3,000	82	244
CHEST-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	-	-	12	12	12	-	12	12
SHOULDER(S)-----	-	-	-	2	2	2	-	2	-	-	-	57	57	57	-	28	28
TRUNK, NEC-----	-	-	-	4	4	4	-	4	-	-	-	51	51	51	-	13	13
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	2	2	2	-	2	-	-	-	51	51	51	-	26	26
FOOT-----	-	-	-	6	6	6	-	6	-	-	-	304	304	304	-	51	51
TOE(S)-----	-	-	1	-	1	1	1	2	-	-	300	-	300	300	300	-	300
LOWER EXTREMITIES, NEC-----	-	-	-	3	3	3	-	3	-	-	-	229	229	229	-	76	76
MULTIPLE PARTS OF BODY-----	-	-	-	1	1	1	-	1	-	-	-	210	210	210	-	210	210
TOTAL OR AVERAGE-----	-	-	3	50	53	53	8	61	-	-	3,360	2,638	5,998	5,998	1,120	53	113

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, 1990 (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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
POWERED HAULAGE:																	
EAR-----	-	-	-	5	5	5	4	9	-	-	-	94	94	94	-	19	19
EYE-----	-	-	-	34	34	34	25	59	-	-	-	284	284	284	-	8	8
JAW-----	-	-	-	2	2	2	1	3	-	-	-	4	4	4	-	2	2
MOUTH/TEETH/TONGUE-----	-	-	-	6	6	6	6	12	-	-	-	43	43	43	-	7	7
NOSE-----	-	-	-	1	1	1	4	5	-	-	-	185	185	185	-	185	185
SCALP-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
SKULL-----	1	-	-	-	-	-	-	1	6,000	-	-	-	-	6,000	-	-	6,000
FACE, NEC-----	-	-	-	17	17	17	9	26	-	-	-	565	565	565	-	33	33
HEAD, NEC-----	4	-	-	51	51	55	36	91	24,000	-	-	1,028	1,028	25,028	-	20	455
NECK-----	-	-	-	133	133	133	21	154	-	-	-	6,474	6,474	6,474	-	49	49
UPPER ARM-----	-	-	-	3	3	3	-	3	-	-	-	60	60	60	-	20	20
ELBOW-----	-	-	-	17	17	17	6	23	-	-	-	463	463	463	-	27	27
FOREARM-----	-	-	1	17	18	18	-	18	-	-	3,600	560	4,160	4,160	3,600	33	231
WRIST-----	-	-	-	13	13	13	4	17	-	-	-	479	479	479	-	37	37
HAND-----	-	-	1	42	43	43	11	54	-	-	3,000	922	3,922	3,922	3,000	22	91
FINGER(S)-----	-	-	18	78	96	96	47	143	-	-	3,920	2,672	6,592	6,592	218	34	69
UPPER EXTREMITIES, NEC-----	-	-	-	29	29	29	5	34	-	-	-	577	577	577	-	20	20
ABDOMEN-----	-	-	-	3	3	3	-	3	-	-	-	62	62	62	-	21	21
BACK-----	-	-	-	320	320	320	29	349	-	-	-	16,824	16,824	16,824	-	53	53
CHEST-----	1	-	-	53	53	54	9	63	6,000	-	-	1,008	1,008	7,008	-	19	130
PELVIC REGION-----	-	-	2	26	28	28	3	31	-	-	3,050	1,657	4,707	4,707	1,525	64	168
SHOULDER(S)-----	-	-	-	50	50	50	5	55	-	-	-	1,784	1,784	1,784	-	36	36
TRUNK, NEC-----	-	-	-	33	33	33	3	36	-	-	-	1,322	1,322	1,322	-	40	40
THIGH-----	-	-	-	8	8	8	-	8	-	-	-	434	434	434	-	54	54
KNEE-----	-	-	-	57	57	57	4	61	-	-	-	2,107	2,107	2,107	-	37	37
LOWER LEG-----	-	-	-	22	22	22	-	22	-	-	-	448	448	448	-	20	20
ANKLE-----	-	-	-	28	28	28	-	28	-	-	-	1,140	1,140	1,140	-	41	41
FOOT-----	-	-	-	57	57	57	4	61	-	-	-	1,742	1,742	1,742	-	31	31
TOE(S)-----	-	-	2	8	10	10	2	12	-	-	375	241	616	616	188	30	62
LOWER EXTREMITIES, NEC-----	-	-	2	54	56	56	4	60	-	-	4,200	2,378	6,578	6,578	2,100	44	117
BODY SYSTEMS-----	-	-	-	3	3	3	1	4	-	-	-	100	100	100	-	33	33
MULTIPLE PARTS OF BODY-----	3	-	8	189	197	200	22	222	18,000	-	18,420	12,025	30,445	48,445	2,302	64	242
TOTAL OR AVERAGE-----	9	-	34	1,360	1,394	1,403	265	1,668	54,000	-	36,565	57,683	94,248	148,248	1,075	42	106
HOISTING:																	
EAR-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EYE-----	-	-	-	1	1	1	1	2	-	-	-	4	4	4	-	4	4
FINGER(S)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
BACK-----	-	-	-	2	2	2	-	2	-	-	-	11	11	11	-	6	6
KNEE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
MULTIPLE PARTS OF BODY-----	-	-	-	1	1	1	-	1	-	-	-	143	143	143	-	143	143
TOTAL OR AVERAGE-----	-	-	-	5	5	5	3	8	-	-	-	159	159	159	-	32	32

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
IGNITION OR EXPLOSION OF GAS OR DUST:																	
FACE, NEC-----	-	-	-	3	3	3	-	3	-	-	-	13	13	13	-	4	4
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	29
HAND-----	-	-	-	1	1	1	-	1	-	-	-	174	174	174	-	174	174
THIGH-----	-	-	-	1	1	1	-	1	-	-	-	17	17	17	-	17	17
MULTIPLE PARTS OF BODY----	1	-	-	11	11	12	2	14	6,000	-	-	681	681	6,681	-	62	557
TOTAL OR AVERAGE-----	1	-	-	17	17	18	2	20	6,000	-	-	914	914	6,914	-	54	384
INUNDATION:																	
FINGER(S)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MACHINERY:																	
EAR-----	-	-	-	12	12	12	6	18	-	-	-	200	200	200	-	17	17
EYE-----	-	-	1	122	123	123	154	277	-	-	1,800	668	2,468	2,468	1,800	5	20
JAW-----	-	-	-	4	4	4	2	6	-	-	-	14	14	14	-	4	4
MOUTH/TEETH/TONGUE-----	-	-	-	8	8	8	15	23	-	-	-	40	40	40	-	5	5
NOSE-----	-	-	-	11	11	11	7	18	-	-	-	294	294	294	-	27	27
SCALP-----	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1
SKULL-----	-	-	-	2	2	2	-	2	-	-	-	168	168	168	-	84	84
FACE, NEC-----	-	-	-	18	18	18	18	36	-	-	-	304	304	304	-	17	17
HEAD, NEC-----	1	-	-	36	36	37	31	68	6,000	-	-	581	581	6,581	-	16	178
NECK-----	-	-	-	50	50	50	13	63	-	-	-	2,010	2,010	2,010	-	40	40
UPPER ARM-----	-	-	-	4	4	4	3	7	-	-	-	80	80	80	-	20	20
ELBOW-----	-	-	-	12	12	12	5	17	-	-	-	329	329	329	-	27	27
FOREARM-----	-	-	-	18	18	18	31	49	-	-	-	270	270	270	-	15	15
WRIST-----	-	-	-	30	30	30	13	43	-	-	-	1,584	1,584	1,584	-	53	53
HAND-----	-	-	1	102	103	103	43	146	-	-	100	2,875	2,975	2,975	100	28	29
FINGER(S)-----	-	-	19	263	282	282	153	435	-	-	4,210	6,646	10,856	10,856	222	25	38
UPPER EXTREMITIES, NEC----	-	-	-	56	56	56	21	77	-	-	-	1,814	1,814	1,814	-	32	32
ABDOMEN-----	-	-	-	7	7	7	-	7	-	-	-	213	213	213	-	30	30
BACK-----	-	-	1	192	193	193	17	210	-	-	3,600	7,959	11,559	11,559	3,600	41	60
CHEST-----	2	-	-	28	28	30	4	34	12,000	-	-	737	737	12,737	-	26	425
PELVIC REGION-----	-	-	3	26	29	29	3	32	-	-	1,300	1,763	3,063	3,063	433	68	106
SHOULDER(S)-----	-	-	-	58	58	58	7	65	-	-	-	2,200	2,200	2,200	-	38	38
TRUNK, NEC-----	1	-	-	22	22	23	2	25	6,000	-	-	435	435	6,435	-	20	280
THIGH-----	-	-	-	15	15	15	7	22	-	-	-	682	682	682	-	45	45
KNEE-----	-	-	-	74	74	74	14	88	-	-	-	4,080	4,080	4,080	-	55	55
LOWER LEG-----	-	-	2	23	25	25	5	30	-	-	6,000	745	6,745	6,745	3,000	32	270
ANKLE-----	-	-	-	33	33	33	2	35	-	-	-	916	916	916	-	28	28
FOOT-----	-	-	-	136	136	136	10	146	-	-	-	4,721	4,721	4,721	-	35	35
TOE(S)-----	-	-	-	27	27	27	3	30	-	-	-	1,019	1,019	1,019	-	38	38
LOWER EXTREMITIES, NEC----	-	-	-	59	59	59	6	65	-	-	-	2,168	2,168	2,168	-	37	37
BODY SYSTEMS-----	2	-	-	4	4	6	2	8	12,000	-	-	123	123	12,123	-	31	2,020
MULTIPLE PARTS OF BODY----	4	-	2	129	131	135	22	157	24,000	-	2,400	6,208	8,608	32,608	1,200	48	242
TOTAL OR AVERAGE-----	10	-	29	1,582	1,611	1,621	621	2,242	60,000	-	19,410	51,847	71,257	131,257	669	33	81

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS							AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SLIP OR FALL OF PERSON:																	
EAR-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
EYE-----	-	-	-	1	1	1	2	3	-	-	11	11	11	-	11	11	
JAW-----	-	-	-	-	-	2	2	2	-	-	-	-	-	-	-	-	
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	5	6	-	-	1	1	1	-	1	1	
NOSE-----	-	-	-	2	2	2	1	3	-	-	40	40	40	-	20	20	
FACE, NEC-----	-	-	-	5	5	5	6	11	-	-	39	39	39	-	8	8	
HEAD, NEC-----	-	-	-	12	12	12	9	21	-	-	326	326	326	-	27	27	
NECK-----	-	-	-	14	14	14	4	18	-	-	591	591	591	-	42	42	
UPPER ARM-----	-	-	-	1	1	1	-	1	-	-	60	60	60	-	60	60	
ELBOW-----	-	-	-	36	36	36	16	52	-	-	1,049	1,049	1,049	-	29	29	
FOREARM-----	-	-	-	9	9	9	6	15	-	-	272	272	272	-	30	30	
WRIST-----	-	-	-	51	51	51	9	60	-	-	2,043	2,043	2,043	-	40	40	
HAND-----	-	-	-	23	23	23	21	44	-	-	704	704	704	-	31	31	
FINGER(S)-----	-	-	3	39	42	42	31	73	-	230	1,166	1,396	1,396	77	30	33	
UPPER EXTREMITIES, NEC-----	-	-	-	32	32	32	9	41	-	-	1,390	1,390	1,390	-	43	43	
ABDOMEN-----	-	-	-	7	7	7	-	7	-	-	146	146	146	-	21	21	
BACK-----	-	-	1	458	459	459	46	505	-	1,200	22,902	24,102	24,102	1,200	50	53	
CHEST-----	1	-	-	68	68	69	14	83	6,000	-	1,033	1,033	1,033	-	15	102	
PELVIC REGION-----	-	-	9	48	57	57	2	59	-	-	450	2,589	2,589	50	45	45	
SHOULDER(S)-----	-	-	-	80	80	80	11	91	-	-	3,757	3,757	3,757	-	47	47	
TRUNK, NEC-----	-	-	-	49	49	49	9	58	-	-	2,441	2,441	2,441	-	50	50	
THIGH-----	-	-	-	13	13	13	2	15	-	-	340	340	340	-	26	26	
KNEE-----	-	-	1	479	480	480	34	514	-	-	50	21,974	21,974	50	46	46	
LOWER LEG-----	-	-	-	29	29	29	10	39	-	-	1,599	1,599	1,599	-	55	55	
ANKLE-----	-	-	-	246	246	246	16	262	-	-	5,228	5,228	5,228	-	21	21	
FOOT-----	-	-	-	54	54	54	5	59	-	-	1,778	1,778	1,778	-	33	33	
TOE(S)-----	-	-	-	5	5	5	3	8	-	-	44	44	44	-	9	9	
LOWER EXTREMITIES, NEC-----	-	-	-	64	64	64	12	76	-	-	2,109	2,109	2,109	-	33	33	
MULTIPLE PARTS OF BODY-----	2	-	5	152	157	159	21	180	12,000	12,000	9,134	21,134	33,134	2,400	60	208	
UNCLASSIFIED-----	-	-	-	1	1	1	-	1	-	-	1	1	1	-	1	1	
TOTAL OR AVERAGE-----	3	-	19	1,979	1,998	2,001	307	2,308	18,000	-	13,930	82,267	96,197	733	42	57	
STEPPING OR KNEELING ON OBJECT:																	
WRIST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
HAND-----	-	-	-	1	1	1	2	3	-	-	1	1	1	-	1	1	
BACK-----	-	-	-	14	14	14	3	17	-	-	560	560	560	-	40	40	
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	-	1	1	1	-	1	1	
KNEE-----	-	-	-	125	125	125	13	138	-	-	4,476	4,476	4,476	-	36	36	
ANKLE-----	-	-	-	96	96	96	2	98	-	-	1,986	1,986	1,986	-	21	21	
FOOT-----	-	-	-	25	25	25	18	43	-	-	366	366	366	-	15	15	
TOE(S)-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	
LOWER EXTREMITIES, NEC-----	-	-	-	6	6	6	2	8	-	-	210	210	210	-	35	35	
MULTIPLE PARTS OF BODY-----	-	-	-	3	3	3	1	4	-	-	100	100	100	-	33	33	
TOTAL OR AVERAGE-----	-	-	-	271	271	271	44	315	-	-	7,700	7,700	7,700	-	28	28	

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS							AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL					
		TOTAL	PARTIAL		TOTAL					PARTIAL								
STRIKING OR BUMPING:	-	-	-	7	7	7	9	16	-	-	-	24	24	24	-	3	3	
EAR-----	-	-	-	3	3	3	4	7	-	-	-	17	17	17	-	6	6	
EYE-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	
MOUTH/TEETH/TONGUE-----	-	-	-	2	2	2	4	6	-	-	-	23	23	23	-	12	12	
NOSE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1	
SCALP-----	-	-	-	1	1	1	2	3	-	-	-	4	4	4	-	4	4	
FACE, NEC-----	-	-	-	5	5	5	8	13	-	-	-	41	41	41	-	8	8	
HEAD, NEC-----	-	-	-	74	74	74	18	92	-	-	-	2,852	2,852	2,852	-	39	39	
NECK-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1	
HAND-----	-	-	-	2	2	2	-	2	-	-	-	15	15	15	-	8	8	
FINGER(S)-----	-	-	-	11	11	11	4	15	-	-	-	850	850	850	-	77	77	
BACK-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
CHEST-----	-	-	-	5	5	5	-	5	-	-	-	269	269	269	-	54	54	
SHOULDER(S)-----	-	-	-	3	3	3	-	3	-	-	-	66	66	66	-	22	22	
TRUNK, NEC-----	-	-	-	12	12	12	-	12	-	-	-	385	385	385	-	32	32	
KNEE-----	-	-	-	2	2	2	1	3	-	-	-	20	20	20	-	10	10	
LOWER LEG-----	-	-	-	2	2	2	-	2	-	-	-	19	19	19	-	10	10	
FOOT-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
TOE(S)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
MULTIPLE PARTS OF BODY-----	-	-	-	12	12	12	3	15	-	-	-	772	772	772	-	64	64	
TOTAL OR AVERAGE-----	-	-	-	143	143	143	59	202	-	-	-	5,359	5,359	5,359	-	37	37	
OTHER INJURIES:	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
EAR-----	-	-	-	20	20	20	26	46	-	-	-	43	43	43	-	2	2	
EYE-----	-	-	-	1	1	1	1	2	-	-	-	5	5	5	-	5	5	
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2	
NOSE-----	-	-	-	5	5	5	2	7	-	-	-	94	94	94	-	19	19	
HEAD, NEC-----	-	-	-	7	7	7	-	7	-	-	-	677	677	677	-	97	97	
NECK-----	-	-	-	2	2	2	-	2	-	-	-	216	216	216	-	108	108	
ELBOW-----	-	-	-	2	2	2	1	3	-	-	-	30	30	30	-	15	15	
HAND-----	-	-	-	2	2	2	1	3	-	-	-	85	85	85	-	42	42	
FINGER(S)-----	-	-	-	2	2	2	1	3	-	-	-	75	75	75	-	38	38	
UPPER EXTREMITIES, NEC-----	-	-	-	59	59	59	3	62	-	-	-	4,501	4,501	4,501	-	76	76	
BACK-----	-	-	-	3	3	3	-	3	-	-	-	200	200	200	-	67	67	
PELVIC REGION-----	-	-	1	5	6	6	-	6	-	-	1,125	363	1,488	1,488	1,125	73	248	
SHOULDER(S)-----	-	-	-	3	3	3	-	3	-	-	-	208	208	208	-	69	69	
TRUNK, NEC-----	-	-	-	30	30	30	1	31	-	-	-	1,511	1,511	1,511	-	50	50	
KNEE-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20	
LOWER LEG-----	-	-	-	7	7	7	-	7	-	-	-	277	277	277	-	40	40	
ANKLE-----	-	-	-	2	2	2	-	2	-	-	-	51	51	51	-	26	26	
FOOT-----	-	-	-	3	3	3	-	3	-	-	-	544	544	544	-	181	181	
LOWER EXTREMITIES, NEC-----	-	-	-	11	11	12	7	19	6,000	-	-	208	208	6,208	-	19	517	
BODY SYSTEMS-----	1	-	-	16	16	16	3	19	-	-	-	827	827	827	-	52	52	
MULTIPLE PARTS OF BODY-----	-	-	-	2	2	2	-	2	-	-	-	29	29	29	-	14	14	
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	1	-	1	184	185	186	47	233	6,000	-	1,125	9,966	11,091	17,091	1,125	54	92	

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE:	-	-	-	36	36	36	46	82	-	-	-	505	505	505	-	14	14
EAR-----	-	-	-	359	360	360	360	720	-	-	1,800	3,398	5,198	5,198	1,800	9	14
EYE-----	-	-	1	21	21	21	26	47	-	-	-	460	460	460	-	22	22
JAW-----	-	-	-	36	36	36	100	136	-	-	-	176	176	176	-	5	5
MOUTH/TEETH/TONGUE-----	-	-	-	31	31	31	33	64	-	-	-	730	730	730	-	24	24
NOSE-----	-	-	-	6	6	6	8	14	-	-	-	7	7	7	-	1	1
SCALP-----	-	-	-	2	2	2	4	4	12,000	-	-	168	168	12,168	-	84	3,042
SKULL-----	2	-	-	80	80	80	73	153	-	-	-	1,874	1,874	1,874	-	23	23
FACE, NEC-----	-	-	-	177	179	188	200	388	54,000	6,000	1,800	3,202	11,002	65,002	1,800	18	346
HEAD, NEC-----	9	1	1	403	403	403	75	478	-	-	-	18,054	18,054	18,054	-	45	45
NECK-----	-	-	-	22	22	22	7	29	-	-	-	623	623	623	-	28	28
UPPER ARM-----	-	-	-	154	154	154	45	199	-	-	-	4,349	4,349	4,349	-	28	28
ELBOW-----	-	-	-	82	83	83	86	169	-	-	-	2,307	5,907	5,907	3,600	28	71
FOREARM-----	-	-	1	187	187	187	59	246	-	-	3,600	6,875	6,875	6,875	-	37	37
WRIST-----	-	-	-	379	381	381	266	647	-	-	-	9,145	12,245	12,245	1,550	24	32
HAND-----	-	-	2	1,018	1,077	1,077	937	2,014	-	-	3,100	23,609	34,059	34,059	177	23	32
FINGER(S)-----	-	-	59	209	209	209	86	295	-	-	-	6,446	6,446	6,446	-	31	31
UPPER EXTREMITIES, NEC-----	-	-	-	58	58	58	6	64	-	-	-	1,268	1,268	1,268	-	22	22
ABDOMEN-----	1	-	-	3,469	3,482	3,483	301	3,784	6,000	-	-	163,737	191,517	197,517	2,137	47	57
BACK-----	-	-	13	240	240	246	51	297	36,000	-	-	4,753	4,753	40,753	-	20	166
CHEST-----	6	-	-	283	413	413	19	432	-	-	-	11,728	22,328	22,328	82	41	54
PELVIC REGION-----	-	-	130	405	406	406	51	457	-	-	1,125	15,863	16,988	16,988	1,125	39	42
SHOULDER(S)-----	-	-	1	206	206	209	24	233	18,000	-	-	7,569	7,569	25,569	-	37	122
TRUNK, NEC-----	3	-	-	66	66	66	41	107	-	-	-	1,911	1,911	1,911	-	29	29
THIGH-----	-	-	-	1,075	1,076	1,076	100	1,176	-	-	50	47,691	47,741	47,741	50	44	44
KNEE-----	-	-	1	140	142	142	32	174	-	-	6,000	5,826	11,826	11,826	3,000	42	83
LOWER LEG-----	-	-	2	483	483	483	25	508	-	-	-	12,522	12,522	12,522	-	26	26
ANKLE-----	-	-	-	508	509	509	58	567	-	-	-	15,577	16,777	16,777	1,200	31	33
FOOT-----	-	-	1	70	73	73	24	97	-	-	1,200	675	2,391	3,066	225	34	42
TOE(S)-----	-	-	3	319	322	322	65	387	-	-	-	7,200	13,033	20,233	2,400	41	63
LOWER EXTREMITIES, NEC-----	-	-	3	47	47	57	15	72	60,000	-	-	864	864	60,864	-	18	1,068
BODY SYSTEMS-----	10	-	-	837	856	882	118	1,000	156,000	6,000	44,220	47,803	98,023	254,023	2,457	57	288
MULTIPLE PARTS OF BODY-----	26	1	18	3	3	3	1	4	-	-	-	30	30	30	-	10	10
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	57	2	236	11,411	11,649	11,706	3,338	15,044	342,000	12,000	119,600	434,494	566,094	908,094	507	38	78

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, 1990

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					PERMANENT		TEMPO- RARY					TOTAL NFDL
		TOTAL	PARTIAL						TOTAL	PARTIAL						
ELECTRICAL:																
ASPHYXIATION/DROWNING-----	-	-	-	1	1	1	-	1	-	-	2	2	2	-	2	2
BURN/SCALD (NOT CHEM.)-----	-	-	-	5	5	5	-	5	-	-	310	310	310	-	62	62
CHEMICAL BURN-----	-	-	-	10	10	10	2	12	-	-	303	303	303	-	30	30
CONTUSION OR BRUISE-----	-	-	-	3	3	3	-	3	-	-	52	52	52	-	17	17
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	1	1	1	-	1	1
DISLOCATION-----	-	-	-	2	2	2	-	2	-	-	97	97	97	-	48	48
ELECTRIC SHOCK-----	7	-	-	20	20	27	4	31	42,000	-	415	415	42,415	-	21	1,571
ELECT. BURN (CONTACT)-----	-	-	-	14	14	14	7	21	-	-	272	272	272	-	19	19
HEARING IMPAIRMENT-----	-	-	-	1	1	1	-	1	-	-	3	3	3	-	3	3
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	-	1	-	-	1	1	1	-	1	1
RADIATION/ULTRA VIOLET-----	-	-	-	80	80	80	8	88	-	-	1,418	1,418	1,418	-	18	18
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	12	12	12	-	12	12
TOTAL OR AVERAGE-----	7	-	-	139	139	146	21	167	42,000	-	2,886	2,886	44,886	-	21	307
ENTRAPMENT:																
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
EXPLODING VESSEL																
UNDER PRESSURE:																
BURN/SCALD (NOT CHEM.)-----	-	-	-	1	1	1	1	2	-	-	26	26	26	-	26	26
CHEMICAL BURN-----	-	-	-	4	4	4	1	5	-	-	165	165	165	-	41	41
CONTUSION OR BRUISE-----	-	-	-	2	2	2	1	3	-	-	9	9	9	-	4	4
CUT OR PUNCTURE-----	-	-	-	7	7	7	3	10	-	-	165	165	165	-	24	24
DUST IN EYE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	73	73	73	-	73	73
RADIATION/ULTRA VIOLET-----	-	-	-	1	1	1	-	1	-	-	5	5	5	-	5	5
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	-	1	1	1	-	1	1
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	-	4	4	4	-	4	4
MULTIPLE INJURIES-----	-	-	-	5	5	5	1	6	-	-	430	430	430	-	86	86
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	10	10	10	-	10	10
TOTAL OR AVERAGE-----	-	-	-	24	24	24	9	33	-	-	888	888	888	-	37	37
EXPLOSIVE AND BREAKING																
AGENT:																
ASPHYXIATION/DROWNING-----	-	-	-	1	1	1	-	1	-	-	18	18	18	-	18	18
CONTUSION OR BRUISE-----	-	-	-	3	3	3	1	4	-	-	28	28	28	-	9	9
CUT OR PUNCTURE-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
FRACTURE-----	-	-	-	2	2	2	-	2	-	-	89	89	89	-	44	44
HEARING IMPAIRMENT-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	-	1	-	-	16	16	16	-	16	16
SCRATCH/ABRASION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
STRAIN/SPRAIN-----	-	-	-	2	2	2	-	2	-	-	12	12	12	-	6	6
MULTIPLE INJURIES-----	4	-	-	3	3	7	-	7	24,000	-	70	70	24,070	-	23	3,439
UNCLASSIFIED (NO DATA)-----	-	-	-	3	3	3	1	4	-	-	109	109	109	-	36	36
TOTAL OR AVERAGE-----	4	-	-	15	15	19	6	25	24,000	-	342	342	24,342	-	23	1,281

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, 1990 (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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
FALLING, ROLLING, OR SLIDING MATERIAL:																	
ASPHYXIATION/DROWNING-----	2	-	-	-	2	-	2	12,000	-	-	-	-	12,000	-	-	6,000	
CONTUSION OR BRUISE-----	-	-	1	14	15	15	15	-	-	3,000	160	3,160	3,160	3,000	11	211	
CUT OR PUNCTURE-----	-	-	-	1	1	1	1	2	-	-	40	40	40	-	40	40	
FRACTURE-----	-	-	-	6	6	6	6	-	-	-	550	550	550	-	92	92	
STRAIN/SPRAIN-----	-	-	-	1	1	1	1	1	-	-	54	54	54	-	54	54	
MULTIPLE INJURIES-----	-	-	-	1	1	1	1	2	-	-	30	30	30	-	30	30	
TOTAL OR AVERAGE-----	2	-	1	23	24	26	2	28	12,000	-	3,000	834	3,834	15,834	3,000	36	609
FALL OF FACE, RIB, SIDE OR HIGHWALL:																	
CONTUSION OR BRUISE-----	-	-	-	62	62	62	9	71	-	-	1,180	1,180	1,180	-	19	19	
CUT OR PUNCTURE-----	-	-	-	17	17	17	14	31	-	-	366	366	366	-	22	22	
DISLOCATION-----	-	-	-	2	2	2	-	2	-	-	236	236	236	-	118	118	
DUST IN EYE-----	-	-	-	1	1	1	1	2	-	-	2	2	2	-	2	2	
FRACTURE-----	-	-	-	33	33	33	1	34	-	-	2,331	2,331	2,331	-	71	71	
SCRATCH/ABRASION-----	-	-	-	3	3	3	1	4	-	-	15	15	15	-	5	5	
STRAIN/SPRAIN-----	-	-	1	11	12	12	3	15	-	1,200	528	1,728	1,728	1,200	48	144	
MULTIPLE INJURIES-----	1	-	-	21	21	22	4	26	6,000	-	1,349	1,349	7,349	-	64	334	
OTHER INJURY, NEC-----	-	-	-	2	2	2	1	3	-	-	401	401	401	-	200	200	
UNCLASSIFIED (NO DATA)-----	-	-	-	9	9	9	-	9	-	-	633	633	633	-	70	70	
TOTAL OR AVERAGE-----	1	-	1	161	162	163	34	197	6,000	-	1,200	7,041	8,241	1,200	44	87	
FALL OF ROOF (UNDER- GROUND MINES ONLY):																	
AMPUTATION/NUCLEATION-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	-	50	
CONCUSSION (CEREBRAL)-----	-	-	-	1	1	1	1	2	-	-	3	3	3	-	3	3	
CONTUSION OR BRUISE-----	12	-	1	193	194	206	26	232	72,000	-	1,200	4,933	6,133	78,133	1,200	26	379
CUT OR PUNCTURE-----	-	-	-	48	48	48	80	128	-	-	1,158	1,158	1,158	-	24	24	
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	216	216	216	-	216	216	
DUST IN EYE-----	-	-	-	3	3	3	1	4	-	-	9	9	9	-	3	3	
FRACTURE-----	2	-	-	86	86	88	11	99	12,000	-	6,126	6,126	18,126	-	71	206	
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	-	50	
RADIATION/ULTRA VIOLET-----	-	-	-	1	1	1	-	1	-	-	138	138	138	-	138	138	
SCRATCH/ABRASION-----	-	-	-	5	5	5	-	5	-	-	20	20	20	-	4	4	
STRAIN/SPRAIN-----	-	-	-	67	67	67	4	71	-	-	3,850	3,850	3,850	-	57	57	
MULTIPLE INJURIES-----	5	2	3	87	92	97	13	110	30,000	12,000	11,400	4,560	27,960	57,960	3,800	52	598
OTHER INJURY, NEC-----	1	-	-	6	6	7	1	8	6,000	-	-	197	197	6,197	-	33	885
UNCLASSIFIED (NO DATA)-----	1	-	-	49	49	50	11	61	6,000	-	-	2,663	2,663	8,663	-	54	173
TOTAL OR AVERAGE-----	21	2	6	547	555	576	148	724	126,000	12,000	12,700	23,873	48,573	174,573	2,117	44	303
FIRE:																	
ASPHYXIATION/DROWNING-----	-	-	-	2	2	2	-	2	-	-	-	4	4	4	-	2	2
BURN/SCALD (NOT CHEM.)-----	-	-	-	16	16	16	10	26	-	-	373	373	373	-	23	23	
CHEMICAL BURN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	36	36	36	-	36	36	
MULTIPLE INJURIES-----	-	-	-	2	2	2	-	2	-	-	19	19	19	-	10	10	
TOTAL OR AVERAGE-----	-	-	-	21	21	21	11	32	-	-	-	432	432	432	-	21	21

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, 1990 (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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
HANDLING MATERIAL:																	
AMPUTATION/ENUCLEATION----	-	-	13	-	13	13	-	13	-	-	1,555	-	1,555	1,555	120	-	120
ASPHYXIATION/DROWNING----	-	-	-	1	1	1	-	1	-	-	-	1	1	-	1	1	
BURN/SCALD (NOT CHEM.)----	-	-	-	13	13	13	6	19	-	-	-	245	245	245	-	19	19
CHEMICAL BURN----	-	-	-	24	24	24	23	47	-	-	-	134	134	134	-	6	6
CONCUSSION (CEREBRAL)----	-	-	-	4	4	4	1	5	-	-	-	104	104	104	-	26	26
CONTUSION OR BRUISE----	-	-	-	340	340	340	72	412	-	-	-	6,127	6,127	6,127	-	18	18
CUT OR PUNCTURE----	-	-	-	205	205	205	425	630	-	-	-	2,678	2,678	2,678	-	13	13
DERMATITIS----	-	-	-	2	2	2	1	3	-	-	-	12	12	12	-	6	6
DISLOCATION----	-	-	1	12	13	13	4	17	-	-	50	378	428	428	50	32	33
DUST IN EYE----	-	-	-	16	16	16	35	51	-	-	-	85	85	85	-	5	5
ELECT. BURN (CONTACT)----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FRACTURE----	-	-	1	229	230	230	146	376	-	-	1,800	9,578	11,378	11,378	1,800	42	49
HEARING IMPAIRMENT----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
HERNIA (NOT DISC)----	-	-	110	9	119	119	-	119	-	-	5,500	266	5,766	5,766	50	30	48
POISONING (SYSTEMIC)----	-	-	-	3	3	3	1	4	-	-	-	4	4	4	-	1	1
RADIATION/ULTRA VIOLET----	-	-	-	1	1	1	-	1	-	-	-	57	57	57	-	57	57
SCRATCH/ABRASION----	-	-	-	18	18	18	14	32	-	-	-	346	346	346	-	19	19
STRAIN/SPRAIN----	-	1	9	2,900	2,910	2,910	245	3,155	-	6,000	15,770	125,824	147,594	147,594	1,752	43	51
MULTIPLE INJURIES----	-	-	-	146	146	146	58	204	-	-	-	4,924	4,924	4,924	-	34	34
OTHER INJURY, NEC----	-	-	-	33	33	33	6	39	-	-	-	988	988	988	-	30	30
UNCLASSIFIED (NO DATA)----	-	-	-	66	66	66	15	81	-	-	-	3,155	3,155	3,155	-	48	48
TOTAL OR AVERAGE-----	-	1	134	4,023	4,158	4,158	1,053	5,211	-	6,000	24,675	154,913	185,588	185,588	184	39	45
HAND TOOL:																	
AMPUTATION/ENUCLEATION----	-	-	4	-	4	4	-	4	-	-	425	-	425	425	106	-	106
BURN/SCALD (NOT CHEM.)----	-	-	-	4	4	4	-	4	-	-	-	28	28	28	-	7	7
CHEMICAL BURN----	-	-	-	3	3	3	1	4	-	-	-	38	38	38	-	13	13
CONCUSSION (CEREBRAL)----	-	-	-	1	1	1	1	2	-	-	-	5	5	5	-	5	5
CONTUSION OR BRUISE----	-	-	-	148	148	148	46	194	-	-	-	2,965	2,965	2,965	-	20	20
CUT OR PUNCTURE----	-	-	-	228	228	228	501	729	-	-	-	3,077	3,077	3,077	-	13	13
DISLOCATION----	-	-	-	4	4	4	-	4	-	-	-	327	327	327	-	82	82
DUST IN EYE----	-	-	-	6	6	6	9	15	-	-	-	279	279	279	-	46	46
FRACTURE----	-	-	-	136	136	136	87	223	-	-	-	5,646	5,646	5,646	-	42	42
HERNIA (NOT DISC)----	-	-	6	-	6	6	-	6	-	-	300	-	300	300	50	-	50
SCRATCH/ABRASION----	-	-	-	14	14	14	4	18	-	-	-	77	77	77	-	6	6
STRAIN/SPRAIN----	-	-	1	290	291	291	27	318	-	-	3,060	12,408	15,468	15,468	3,060	43	53
MULTIPLE INJURIES----	-	-	-	77	77	77	36	113	-	-	-	1,832	1,832	1,832	-	24	24
OTHER INJURY, NEC----	-	-	-	7	7	7	1	8	-	-	-	445	445	445	-	64	64
UNCLASSIFIED (NO DATA)----	-	-	-	24	24	24	8	32	-	-	-	482	482	482	-	20	20
TOTAL OR AVERAGE-----	-	-	11	942	953	953	721	1,674	-	-	3,785	27,609	31,394	31,394	344	29	33

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, 1990 (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 NFDL	PERMANENT						TEMPO- RARY	
		TOTAL	PARTIAL							TOTAL	PARTIAL						
NONPOWERED HAULAGE:																	
AMPUTATION/ENUCLEATION----	-	-	2	-	2	2	-	2	-	-	360	-	360	360	180	-	180
CONTUSION OR BRUISE-----	-	-	-	6	6	6	-	7	-	-	-	147	147	-	-	24	24
CUT OR PUNCTURE-----	-	-	-	7	7	7	3	10	-	-	-	249	249	-	-	36	36
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	42	42	-	-	42	42
FRACTURE-----	-	-	-	5	5	5	1	6	-	-	-	312	312	-	-	62	62
STRAIN/SPRAIN-----	-	-	1	25	26	26	2	28	-	-	3,000	1,772	4,772	4,772	3,000	71	184
MULTIPLE INJURIES-----	-	-	-	4	4	4	1	5	-	-	-	95	95	-	-	24	24
UNCLASSIFIED (NO DATA)----	-	-	-	2	2	2	-	2	-	-	-	21	21	-	-	10	10
TOTAL OR AVERAGE-----	-	-	3	50	53	53	8	61	-	-	3,360	2,638	5,998	5,998	1,120	53	113
POWERED HAULAGE:																	
AMPUTATION/ENUCLEATION----	-	-	23	-	23	23	-	23	-	-	13,895	-	13,895	13,895	604	-	604
ASPHYXIATION/DROWNING-----	-	-	-	3	3	3	-	3	-	-	-	100	100	-	-	33	33
BURN/SCALD (NOT CHEM.)----	-	-	-	3	3	3	-	3	-	-	-	42	42	-	-	14	14
CHEMICAL BURN-----	-	-	-	2	2	2	-	2	-	-	-	7	7	-	-	4	4
CONCUSSION (CEREBRAL)-----	-	-	-	5	5	5	-	5	-	-	-	189	189	-	-	38	38
CONTUSION OR BRUISE-----	3	-	1	299	300	303	32	335	18,000	-	120	7,476	7,596	25,596	120	25	84
CUT OR PUNCTURE-----	-	-	-	103	103	103	92	195	-	-	-	2,414	2,414	-	-	23	23
DISLOCATION-----	-	-	-	9	9	9	1	10	-	-	-	368	368	-	-	41	41
DUST IN EYE-----	-	-	-	7	7	7	10	17	-	-	-	20	20	-	-	3	3
FRACTURE-----	3	-	2	156	158	161	26	187	18,000	-	3,000	9,770	12,770	30,770	1,500	63	191
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	-	-	50
POISONING (SYSTEMIC)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
RADIATION/ULTRA VIOLET-----	-	-	-	3	3	3	-	3	-	-	-	10	10	-	-	3	3
SCRATCH/ABRASION-----	-	-	-	14	14	14	4	18	-	-	-	307	307	-	-	22	22
STRAIN/SPRAIN-----	-	-	-	494	494	494	52	546	-	-	-	22,898	22,898	-	-	46	46
MULTIPLE INJURIES-----	3	-	5	177	182	185	29	214	18,000	-	13,500	9,264	22,764	40,764	2,700	52	220
OTHER INJURY, NEC-----	-	-	-	16	16	16	1	17	-	-	-	723	723	-	-	45	45
UNCLASSIFIED (NO DATA)----	-	-	2	80	82	82	18	100	-	-	6,000	4,890	10,890	10,890	3,000	61	133
OCCUPATIONAL DISEASES-----	-	-	-	1	1	1	-	1	-	-	-	39	39	-	-	39	39
TOTAL OR AVERAGE-----	9	-	34	1,372	1,406	1,415	266	1,681	54,000	-	36,565	58,517	95,082	149,082	1,075	43	105
HOISTING:																	
CHEMICAL BURN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	4	4	-	-	4	4
STRAIN/SPRAIN-----	-	-	-	3	3	3	-	3	-	-	-	12	12	-	-	4	4
MULTIPLE INJURIES-----	-	-	-	1	1	1	1	2	-	-	-	143	143	-	-	143	143
TOTAL OR AVERAGE-----	-	-	-	5	5	5	3	8	-	-	-	159	159	-	-	32	32
IGNITION OR EXPLOSION																	
OF GAS OR DUST:																	
BURN/SCALD (NOT CHEM.)----	1	-	-	16	16	17	2	19	6,000	-	-	897	897	6,897	-	56	406
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	17	17	-	-	17	17
TOTAL OR AVERAGE-----	1	-	-	17	17	18	2	20	6,000	-	-	914	914	6,914	-	54	384

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, 1990 (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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
INUNDATION: MULTIPLE INJURIES-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
MACHINERY:																	
AMPUTATION/ENUCLEATION----	-	-	23	-	23	23	-	23	-	-	12,110	-	12,110	12,110	527	-	527
ASPHYXIATION/DROWNING-----	2	-	-	-	-	2	1	3	12,000	-	-	-	-	12,000	-	-	6,000
BURN/SCALD (NOT CHEM.)-----	-	-	-	50	50	50	42	92	-	-	-	577	577	-	12	12	-
CHEMICAL BURN-----	-	-	-	9	9	9	4	13	-	-	-	53	53	-	6	6	-
CONCUSSION (CEREBRAL)-----	-	-	-	1	1	1	1	2	-	-	-	2	2	-	2	2	-
CONTUSION OR BRUISE-----	7	-	1	378	379	386	58	444	42,000	-	1,800	8,737	10,537	52,537	1,800	23	136
CUT OR PUNCTURE-----	-	-	-	229	229	229	285	514	-	-	-	3,899	3,899	-	17	17	-
DISLOCATION-----	-	-	-	12	12	12	1	13	-	-	-	716	716	-	60	60	-
DUST IN EYE-----	-	-	-	24	24	24	47	71	-	-	-	69	69	-	3	3	-
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	-	-	4	4	-	4	4	-
FRACTURE-----	-	-	2	255	257	257	56	313	-	-	4,800	14,420	19,220	19,220	2,400	57	75
HERNIA (NOT DISC)-----	-	-	2	-	2	2	-	2	-	-	100	-	100	100	50	-	50
POISONING (SYSTEMIC)-----	-	-	-	3	3	3	1	4	-	-	-	119	119	-	40	40	-
RADIATION/ULTRA VIOLET-----	-	-	-	37	37	37	14	51	-	-	-	78	78	-	2	2	-
SCRATCH/ABRASION-----	-	-	-	20	20	20	18	38	-	-	-	129	129	-	6	6	-
STRAIN/SPRAIN-----	-	-	1	303	304	304	35	339	-	-	600	13,255	13,855	13,855	600	44	46
MULTIPLE INJURIES-----	1	-	-	182	182	183	39	222	6,000	-	-	6,339	6,339	12,339	-	35	67
OTHER INJURY, NEC-----	-	-	-	15	15	15	8	23	-	-	-	581	581	-	39	39	-
UNCLASSIFIED (NO DATA)-----	-	-	-	88	88	88	19	107	-	-	-	3,633	3,633	3,633	-	41	41
TOTAL OR AVERAGE-----	10	-	29	1,607	1,636	1,646	629	2,275	60,000	-	19,410	52,611	72,021	132,021	669	33	80
SLIP OR FALL OF PERSON:																	
AMPUTATION/ENUCLEATION----	-	-	4	-	4	4	-	4	-	-	440	-	440	440	110	-	110
BURN/SCALD (NOT CHEM.)-----	-	-	-	2	2	2	1	3	-	-	-	11	11	-	6	6	-
CHEMICAL BURN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
CONCUSSION (CEREBRAL)-----	-	-	-	2	2	2	-	2	-	-	-	84	84	-	42	42	-
CONTUSION OR BRUISE-----	-	-	1	272	273	273	39	312	-	-	3,600	9,064	12,664	12,664	3,600	33	46
CUT OR PUNCTURE-----	-	-	-	37	37	37	69	106	-	-	-	680	680	-	18	18	-
DISLOCATION-----	-	-	-	22	22	22	7	29	-	-	-	766	766	-	35	35	-
DUST IN EYE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FRACTURE-----	1	-	2	196	198	199	48	247	6,000	-	2,400	9,876	12,276	18,276	1,200	50	92
HERNIA (NOT DISC)-----	-	-	10	2	12	12	-	12	-	-	500	137	637	50	68	53	-
RADIATION/ULTRA VIOLET-----	-	-	-	1	1	1	-	1	-	-	-	105	105	-	105	105	-
SCRATCH/ABRASION-----	-	-	-	4	4	4	4	8	-	-	-	97	97	-	24	24	-
STRAIN/SPRAIN-----	-	-	2	1,255	1,257	1,257	103	1,360	-	-	4,200	52,388	56,588	56,588	2,100	42	45
MULTIPLE INJURIES-----	2	-	1	138	139	141	17	158	12,000	-	50	6,888	6,938	18,938	50	50	134
OTHER INJURY, NEC-----	-	-	-	15	15	15	2	17	-	-	-	796	796	-	53	53	-
UNCLASSIFIED (NO DATA)-----	-	-	1	99	100	100	18	118	-	-	3,000	5,568	8,568	8,568	3,000	56	86
TOTAL OR AVERAGE-----	3	-	21	2,045	2,066	2,069	310	2,379	18,000	-	14,190	86,460	100,650	118,650	676	42	57

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
STEPPING OR KNEELING ON OBJECT:																	
CONTUSION OR BRUISE-----	-	-	-	33	33	33	6	39	-	-	-	586	586	586	-	18	18
CUT OR PUNCTURE-----	-	-	-	15	15	15	21	36	-	-	-	113	113	113	-	8	8
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	11	11	11	-	11	11
FRACTURE-----	-	-	-	14	14	14	1	15	-	-	-	463	463	463	-	33	33
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
STRAIN/SPRAIN-----	-	-	-	191	191	191	13	204	-	-	-	5,808	5,808	5,808	-	30	30
MULTIPLE INJURIES-----	-	-	-	8	8	8	2	10	-	-	-	176	176	176	-	22	22
OTHER INJURY, NEC-----	-	-	-	5	5	5	1	6	-	-	-	240	240	240	-	48	48
UNCLASSIFIED (NO DATA)----	-	-	-	6	6	6	-	6	-	-	-	325	325	325	-	54	54
TOTAL OR AVERAGE-----	-	-	-	274	274	274	44	318	-	-	-	7,723	7,723	7,723	-	28	28
STRIKING OR BUMPING:																	
CONTUSION OR BRUISE-----	-	-	-	19	19	19	-	19	-	-	-	530	530	530	-	28	28
CUT OR PUNCTURE-----	-	-	-	15	15	15	29	44	-	-	-	129	129	129	-	9	9
DUST IN EYE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FRACTURE-----	-	-	-	3	3	3	4	7	-	-	-	39	39	39	-	13	13
RADIATION/ULTRA VIOLET----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	-	-	14	14	14	-	14	14
STRAIN/SPRAIN-----	-	-	-	89	89	89	19	108	-	-	-	3,748	3,748	3,748	-	42	42
MULTIPLE INJURIES-----	-	-	-	6	6	6	1	7	-	-	-	155	155	155	-	26	26
OTHER INJURY, NEC-----	-	-	-	3	3	3	1	4	-	-	-	115	115	115	-	38	38
UNCLASSIFIED (NO DATA)----	-	-	-	7	7	7	2	9	-	-	-	629	629	629	-	90	90
TOTAL OR AVERAGE-----	-	-	-	143	143	143	59	202	-	-	-	5,359	5,359	5,359	-	37	37
OTHER INJURIES:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
CONTUSION OR BRUISE-----	-	-	-	5	5	5	-	5	-	-	-	79	79	79	-	16	16
CUT OR PUNCTURE-----	-	-	-	3	3	3	10	13	-	-	-	21	21	21	-	7	7
DISLOCATION-----	-	-	-	2	2	2	-	2	-	-	-	362	362	362	-	181	181
DUST IN EYE-----	-	-	-	10	10	10	15	25	-	-	-	26	26	26	-	3	3
FRACTURE-----	-	-	-	6	6	6	1	7	-	-	-	352	352	352	-	59	59
POISONING (SYSTEMIC)-----	-	-	-	9	9	9	8	17	-	-	-	124	124	124	-	14	14
SCRATCH/ABRASION-----	-	-	-	8	8	8	4	12	-	-	-	11	11	11	-	1	1
STRAIN/SPRAIN-----	-	-	1	77	78	78	4	82	-	1,125	4,350	5,475	5,475	1,125	56	70	70
MULTIPLE INJURIES-----	-	-	-	3	3	3	1	4	-	-	-	138	138	138	-	46	46
OTHER INJURY, NEC-----	1	-	-	8	8	8	-	9	6,000	-	-	365	365	6,365	-	46	707
UNCLASSIFIED (NO DATA)----	-	-	-	55	55	55	4	59	-	-	-	4,237	4,237	4,237	-	77	77
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	1	-	1	188	189	190	48	238	6,000	-	1,125	10,073	11,198	17,198	1,125	54	91

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, 1990 (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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE:-----	-	-	70	-	70	70	-	70	-	-	28,835	-	28,835	28,835	412	-	412
AMPUTATION/ENUCLEATION-----	4	-	-	8	8	12	1	13	24,000	-	-	125	24,125	-	16	2,010	
ASPHYXIATION/DROWNING-----	1	-	-	111	111	112	62	174	6,000	-	-	2,514	8,514	-	23	76	
BURN/SCALD (NOT CHEM.)-----	-	-	-	53	53	53	34	87	-	-	-	703	703	-	13	13	
CHEMICAL BURN-----	-	-	-	14	14	14	4	18	-	-	-	387	387	-	28	28	
CONCUSSION (CEREBRAL)-----	22	-	5	1,777	1,782	1,804	291	2,095	132,000	-	9,720	42,073	51,793	1,944	24	102	
CONTUSION OR BRUISE-----	-	-	-	917	917	917	1,536	2,453	-	-	-	15,007	15,007	-	16	16	
CUT OR PUNCTURE-----	-	-	-	2	2	2	1	3	-	-	-	12	12	-	6	6	
DERMATITIS-----	-	-	-	68	69	69	13	82	-	-	50	3,519	3,569	50	52	52	
DISLOCATION-----	-	-	1	67	67	67	121	188	-	-	-	490	490	-	7	7	
DUST IN EYE-----	7	-	-	21	21	28	4	32	42,000	-	-	419	419	-	20	1,515	
ELECTRIC SHOCK-----	-	-	-	14	14	14	8	22	-	-	-	272	272	-	19	19	
ELECT. BURN (CONTACT)-----	6	-	7	1,129	1,136	1,142	382	1,524	36,000	-	12,000	59,661	71,661	1,714	53	94	
FRACTURE-----	-	-	-	2	2	2	1	3	-	-	-	10	10	-	5	5	
HEARING IMPAIRMENT-----	-	-	-	11	141	141	-	141	-	-	6,500	403	6,903	50	37	49	
HERNIA (NOT DISC)-----	-	-	130	17	17	17	11	28	-	-	-	264	264	-	16	16	
POISONING (SYSTEMIC)-----	-	-	-	124	124	124	23	147	-	-	-	1,811	1,811	-	15	15	
RADIATION/ULTRA VIOLET-----	-	-	-	90	90	90	52	142	-	-	-	1,022	1,022	-	11	11	
SCRATCH/ABRASION-----	-	-	-	16	5,709	5,726	507	6,233	-	6,000	28,955	246,911	281,866	1,810	43	49	
STRAIN/SPRAIN-----	16	2	9	862	873	889	205	1,094	96,000	12,000	24,950	36,424	73,374	2,772	42	191	
MULTIPLE INJURIES-----	2	-	-	111	111	113	22	135	12,000	-	-	4,861	4,861	-	44	149	
OTHER INJURY, NEC-----	1	-	3	488	491	492	97	589	6,000	-	9,000	26,345	35,345	3,000	54	84	
UNCLASSIFIED (NO DATA)-----	-	-	-	1	1	1	1	2	-	-	-	39	39	-	39	39	
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	59	3	241	11,596	11,840	11,899	3,376	15,275	354,000	18,000	120,010	443,272	581,282	498	38	79	

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, 1990

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 NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
ELECTRICAL: DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	71	71	71	-	71	71
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
TOTAL OR AVERAGE-----	-	-	-	2	2	2	-	2	-	-	-	99	99	99	-	50	50
EXPLOSIVE AND BREAKING AGENT: SCRATCH/ABRASION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR SLIDING MATERIAL: ASPHYXIATION/DROWNING-----	2	-	-	-	-	2	-	2	12,000	-	-	-	-	12,000	-	-	6,000
TOTAL OR AVERAGE-----	2	-	-	-	-	2	-	2	12,000	-	-	-	-	12,000	-	-	6,000
FALL OF ROOF (UNDER- GROUND MINES ONLY): SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
HANDLING MATERIAL: BURN/SCALD (NOT CHEM.)-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
CONTUSION OR BRUISE-----	-	-	-	5	5	5	2	7	-	-	-	192	192	192	-	38	38
CUT OR PUNCTURE-----	-	-	-	4	4	4	2	6	-	-	-	26	26	26	-	6	6
FRACTURE-----	-	-	-	5	5	5	2	7	-	-	-	153	153	153	-	31	31
HERNIA (NOT DISC)-----	-	-	3	-	3	3	-	3	-	-	150	-	150	150	50	-	50
STRAIN/SPRAIN-----	-	1	-	36	37	37	4	41	-	6,000	-	1,243	7,243	7,243	-	35	196
MULTIPLE INJURIES-----	-	-	-	3	3	3	2	5	-	-	-	166	166	166	-	55	55
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	6	6	6	-	6	6
UNCLASSIFIED (NO DATA)-----	-	-	-	2	2	2	1	3	-	-	-	116	116	116	-	58	58
TOTAL OR AVERAGE-----	-	1	3	58	62	62	13	75	-	6,000	150	1,906	8,056	8,056	50	33	130
HAND TOOL: CONTUSION OR BRUISE-----	-	-	-	2	2	2	2	4	-	-	-	32	32	32	-	16	16
CUT OR PUNCTURE-----	-	-	-	3	3	3	5	8	-	-	-	91	91	91	-	30	30
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	240	240	240	-	240	240
FRACTURE-----	-	-	-	4	4	4	-	4	-	-	-	250	250	250	-	62	62
STRAIN/SPRAIN-----	-	-	-	3	3	3	3	6	-	-	-	237	237	237	-	79	79
MULTIPLE INJURIES-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
TOTAL OR AVERAGE-----	-	-	-	14	14	14	11	25	-	-	-	851	851	851	-	61	61

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, 1990 (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 NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL					
		TOTAL	PARTIAL		TOTAL					PARTIAL								
POWERED HAULAGE:																		
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1	
CUT OR PUNCTURE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN-----	-	-	-	6	6	6	-	6	-	-	-	228	228	228	-	38	38	
MULTIPLE INJURIES-----	-	-	-	3	3	3	-	3	-	-	-	405	405	405	-	135	135	
UNCLASSIFIED (NO DATA)----	-	-	-	2	2	2	-	2	-	-	-	200	200	200	-	100	100	
TOTAL OR AVERAGE-----	-	-	-	12	12	12	1	13	-	-	-	834	834	834	-	70	70	
MACHINERY:																		
BURN/SCALD (NOT CHEM.)----	-	-	-	4	4	4	1	5	-	-	-	55	55	55	-	14	14	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	22	22	22	-	22	22	
CUT OR PUNCTURE-----	-	-	-	7	7	7	3	10	-	-	-	26	26	26	-	4	4	
DUST IN EYE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
FRACTURE-----	-	-	-	2	2	2	2	4	-	-	-	147	147	147	-	74	74	
RADIATION/ULTRA VIOLET----	-	-	-	4	4	4	-	4	-	-	-	8	8	8	-	2	2	
STRAIN/SPRAIN-----	-	-	-	4	4	4	-	4	-	-	-	201	201	201	-	50	50	
MULTIPLE INJURIES-----	-	-	-	1	1	1	1	2	-	-	-	198	198	198	-	198	198	
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	35	35	35	-	35	35	
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	-	-	72	72	72	-	72	72	
TOTAL OR AVERAGE-----	-	-	-	25	25	25	8	33	-	-	-	764	764	764	-	31	31	
SLIP OR FALL OF PERSON:																		
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	-	210	-	210	210	210	-	210	
CONTUSION OR BRUISE-----	-	-	-	9	9	9	-	9	-	-	-	288	288	288	-	32	32	
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7	
FRACTURE-----	-	-	-	3	3	3	-	3	-	-	-	86	86	86	-	29	29	
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	50	-	50	
STRAIN/SPRAIN-----	-	-	-	37	37	37	3	40	-	-	-	2,652	2,652	2,652	-	72	72	
MULTIPLE INJURIES-----	-	-	-	7	7	7	-	7	-	-	-	410	410	410	-	59	59	
OTHER INJURY, NEC-----	-	-	-	2	2	2	-	2	-	-	-	317	317	317	-	158	158	
UNCLASSIFIED (NO DATA)----	-	-	-	7	7	7	-	7	-	-	-	433	433	433	-	62	62	
TOTAL OR AVERAGE-----	-	-	2	66	68	68	3	71	-	-	260	4,193	4,453	4,453	130	64	65	
STEPPING OR KNEELING ON OBJECT:																		
CONTUSION OR BRUISE-----	-	-	-	2	2	2	-	2	-	-	-	12	12	12	-	6	6	
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	-	-	11	11	11	-	11	11	
TOTAL OR AVERAGE-----	-	-	-	3	3	3	-	3	-	-	-	23	23	23	-	8	8	
OTHER INJURIES:																		
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7	
POISONING (SYSTEMIC)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1	
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	44	44	44	-	44	44	
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55	
TOTAL OR AVERAGE-----	-	-	-	4	4	4	1	5	-	-	-	107	107	107	-	27	27	

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, 1990 (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 NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE:-----	-	-	1	-	1	1	-	1	-	-	210	-	210	210	210	-	210
AMPUTATION/ENUCLEATION-----	2	-	-	-	-	2	-	2	12,000	-	-	-	-	12,000	-	-	6,000
ASPHYXIATION/DROWNING-----	-	-	-	-	5	5	1	6	-	-	-	58	58	58	-	12	12
BURN/SCALD (NOT CHEM.)-----	-	-	-	-	1	1	-	1	-	-	-	1	1	1	-	1	1
CHEMICAL BURN-----	-	-	-	-	20	20	4	24	-	-	-	547	547	547	-	27	27
CONTUSION OR BRUISE-----	-	-	-	-	15	15	11	26	-	-	-	150	150	150	-	10	10
CUT OR PUNCTURE-----	-	-	-	-	2	2	-	2	-	-	-	311	311	311	-	156	156
DISLOCATION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
DUST IN EYE-----	-	-	-	-	1	1	-	1	-	-	-	28	28	28	-	28	28
ELECTRIC SHOCK-----	-	-	-	-	15	15	4	19	-	-	-	643	643	643	-	43	43
FRACTURE-----	-	-	-	-	4	4	-	4	-	-	200	-	200	200	50	-	50
HERNIA (NOT DISC)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
POISONING (SYSTEMIC)-----	-	-	-	-	4	4	-	4	-	-	-	8	8	8	-	2	2
RADIATION/ULTRA VIOLET-----	-	-	-	-	2	2	1	3	-	-	-	2	2	2	-	1	1
SCRATCH/ABRASION-----	-	1	-	-	87	88	10	98	-	6,000	-	4,572	10,572	10,572	-	53	120
STRAIN/SPRAIN-----	-	-	-	-	15	15	4	19	-	-	-	1,180	1,180	1,180	-	79	79
MULTIPLE INJURIES-----	-	-	-	-	5	5	-	5	-	-	-	402	402	402	-	80	80
OTHER INJURY, NEC-----	-	-	-	-	13	13	1	14	-	-	-	876	876	876	-	67	67
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	2	1	5	185	191	193	38	231	12,000	6,000	410	8,778	15,188	27,188	82	47	141

TABLE 20B. 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, 1990

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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
ELECTRICAL:																	
ASPHYXIATION/DROWNING-----	-	-	-	1	1	1	-	1	-	-	-	2	2	-	2	2	
BURN/SCALD (NOT CHEM.)-----	-	-	-	5	5	5	-	5	-	-	-	310	310	-	62	62	
CHEMICAL BURN-----	-	-	-	10	10	10	2	12	-	-	-	303	303	-	30	30	
CONTUSION OR BRUISE-----	-	-	-	3	3	3	-	3	-	-	-	52	52	-	17	17	
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	-	1	1	
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	26	26	-	26	26	
ELECTRIC SHOCK-----	7	-	-	19	19	26	4	30	42,000	-	-	387	387	-	20	1,630	
ELECT. BURN (CONTACT)-----	-	-	-	14	14	14	7	21	-	-	-	272	272	-	19	19	
HEARING IMPAIRMENT-----	-	-	-	1	1	1	-	1	-	-	-	3	3	-	3	3	
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	-	1	-	-	-	1	1	-	1	1	
RADIATION/ULTRA VIOLET-----	-	-	-	80	80	80	8	88	-	-	-	1,418	1,418	-	18	18	
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	12	12	-	12	12	
TOTAL OR AVERAGE-----	7	-	-	137	137	144	21	165	42,000	-	-	2,787	2,787	-	20	311	
ENTRAPMENT:																	
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
EXPLODING VESSEL																	
UNDER PRESSURE:																	
BURN/SCALD (NOT CHEM.)-----	-	-	-	1	1	1	1	2	-	-	-	26	26	-	26	26	
CHEMICAL BURN-----	-	-	-	4	4	4	1	5	-	-	-	165	165	-	41	41	
CONTUSION OR BRUISE-----	-	-	-	2	2	2	1	3	-	-	-	9	9	-	4	4	
CUT OR PUNCTURE-----	-	-	-	7	7	7	3	10	-	-	-	165	165	-	24	24	
DUST IN EYE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	73	73	-	73	73	
RADIATION/ULTRA VIOLET-----	-	-	-	1	1	1	-	1	-	-	-	5	5	-	5	5	
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	-	-	1	1	-	1	1	
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	-	-	4	4	-	4	4	
MULTIPLE INJURIES-----	-	-	-	5	5	5	1	6	-	-	-	430	430	-	86	86	
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	10	10	-	10	10	
TOTAL OR AVERAGE-----	-	-	-	24	24	24	9	33	-	-	-	888	888	-	37	37	
EXPLOSIVE AND BREAKING																	
AGENT:																	
ASPHYXIATION/DROWNING-----	-	-	-	1	1	1	-	1	-	-	-	18	18	-	18	18	
CONTUSION OR BRUISE-----	-	-	-	3	3	3	1	4	-	-	-	28	28	-	9	9	
CUT OR PUNCTURE-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	
FRACTURE-----	-	-	-	2	2	2	-	2	-	-	-	89	89	-	44	44	
HEARING IMPAIRMENT-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	-	1	-	-	-	16	16	-	16	16	
STRAIN/SPRAIN-----	-	-	-	2	2	2	-	2	-	-	-	12	12	-	6	6	
MULTIPLE INJURIES-----	4	-	-	3	3	7	-	7	24,000	-	-	70	70	-	23	3,439	
UNCLASSIFIED (NO DATA)-----	-	-	-	3	3	3	1	4	-	-	-	109	109	-	36	36	
TOTAL OR AVERAGE-----	4	-	-	15	15	19	5	24	24,000	-	-	342	342	-	23	1,281	

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, 1990 (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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
FALLING, ROLLING, OR SLIDING MATERIAL: CONTUSION OR BRUISE-----	-	-	1	14	15	15	-	15	-	-	3,000	160	3,160	3,160	3,000	11	211
CUT OR PUNCTURE-----	-	-	-	1	1	1	1	2	-	-	-	40	40	40	-	40	40
FRACTURE-----	-	-	-	6	6	6	-	6	-	-	-	550	550	550	-	92	92
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	-	-	54	54	54	-	54	54
MULTIPLE INJURIES-----	-	-	-	1	1	1	1	2	-	-	-	30	30	30	-	30	30
TOTAL OR AVERAGE-----	-	-	1	23	24	24	2	26	-	-	3,000	834	3,834	3,834	3,000	36	160
FALL OF FACE, RIB, SIDE OR HIGHWALL: CONTUSION OR BRUISE-----	-	-	-	62	62	62	9	71	-	-	-	1,180	1,180	1,180	-	19	19
CUT OR PUNCTURE-----	-	-	-	17	17	17	14	31	-	-	-	366	366	366	-	22	22
DISLOCATION-----	-	-	-	2	2	2	-	2	-	-	-	236	236	236	-	118	118
DUST IN EYE-----	-	-	-	1	1	1	1	2	-	-	-	2	2	2	-	2	2
FRACTURE-----	-	-	-	33	33	33	1	34	-	-	-	2,331	2,331	2,331	-	71	71
SCRATCH/ABRASION-----	-	-	-	3	3	3	1	4	-	-	-	15	15	15	-	5	5
STRAIN/SPRAIN-----	-	-	1	11	12	12	3	15	-	-	1,200	528	1,728	1,728	1,200	48	144
MULTIPLE INJURIES-----	1	-	-	21	21	22	4	26	6,000	-	-	1,349	1,349	7,349	-	64	334
OTHER INJURY, NEC-----	-	-	-	2	2	2	1	3	-	-	-	401	401	401	-	200	200
UNCLASSIFIED (NO DATA)----	-	-	-	9	9	9	-	9	-	-	-	633	633	633	-	70	70
TOTAL OR AVERAGE-----	1	-	1	161	162	163	34	197	6,000	-	1,200	7,041	8,241	14,241	1,200	44	87
FALL OF ROOF (UNDER- GROUND MINES ONLY): AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	50	-	50
CONCUSSION (CEREBRAL)----	-	-	-	1	1	1	1	2	-	-	-	3	3	3	-	3	3
CONTUSION OR BRUISE-----	12	-	1	193	194	206	26	232	72,000	-	1,200	4,933	6,133	78,133	1,200	26	379
CUT OR PUNCTURE-----	-	-	-	48	48	48	80	128	-	-	-	1,158	1,158	1,158	-	24	24
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	216	216	216	-	216	216
DUST IN EYE-----	-	-	-	3	3	3	1	4	-	-	-	9	9	9	-	3	3
FRACTURE-----	2	-	-	86	86	88	11	99	12,000	-	-	6,126	6,126	18,126	-	71	206
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	50	-	50
RADIATION/ULTRA VIOLET----	-	-	-	1	1	1	-	1	-	-	-	138	138	138	-	138	138
SCRATCH/ABRASION-----	-	-	-	4	4	4	-	4	-	-	-	19	19	19	-	5	5
STRAIN/SPRAIN-----	-	-	-	67	67	67	4	71	-	-	-	3,850	3,850	3,850	-	57	57
MULTIPLE INJURIES-----	5	2	3	87	92	97	13	110	30,000	12,000	11,400	4,560	27,960	57,960	3,800	52	588
OTHER INJURY, NEC-----	1	-	-	6	6	7	1	8	6,000	-	-	197	197	6,197	-	33	885
UNCLASSIFIED (NO DATA)----	1	-	-	49	49	50	11	61	6,000	-	-	2,663	2,663	8,663	-	54	173
TOTAL OR AVERAGE-----	21	2	6	546	554	575	148	723	126,000	12,000	12,700	23,872	48,572	174,572	2,117	44	304
FIRE: ASPHYXIATION/DROWNING-----	-	-	-	2	2	2	-	2	-	-	-	4	4	4	-	2	2
BURN/SCALD (NOT CHEM.)----	-	-	-	16	16	16	10	26	-	-	-	373	373	373	-	23	23
CHEMICAL BURN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	36	36	36	-	36	36
MULTIPLE INJURIES-----	-	-	-	2	2	2	-	2	-	-	-	19	19	19	-	10	10
TOTAL OR AVERAGE-----	-	-	-	21	21	21	11	32	-	-	-	432	432	432	-	21	21

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, 1990 (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					PERMANENT		TEMPO- RARY					TOTAL NFDL
		TOTAL	PARTIAL						TOTAL	PARTIAL						
HANDLING MATERIAL:																
AMPUTATION/ENUCLEATION----	-	-	13	-	13	13	-	-	1,555	-	1,555	1,555	120	-	120	
ASPHYXIATION/DROWNING----	-	-	-	1	1	1	-	-	-	1	1	1	-	1	1	
BURN/SCALD (NOT CHEM.)----	-	-	-	12	12	12	6	-	-	242	242	242	-	20	20	
CHEMICAL BURN----	-	-	-	23	23	23	23	-	-	133	133	133	-	6	6	
CONCUSSION (CEREBRAL)----	-	-	-	4	4	4	1	-	-	104	104	104	-	26	26	
CONTUSION OR BRUISE----	-	-	-	335	335	335	70	-	-	5,935	5,935	5,935	-	18	18	
CUT OR PUNCTURE----	-	-	-	201	201	201	423	-	-	2,652	2,652	2,652	-	13	13	
DERMATITIS----	-	-	-	2	2	2	1	-	-	12	12	12	-	6	6	
DISLOCATION----	-	-	1	12	13	13	4	-	50	378	428	428	50	32	33	
DUST IN EYE----	-	-	-	16	16	16	35	-	-	85	85	85	-	5	5	
ELECT. BURN (CONTACT)----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
FRACTURE----	-	-	1	224	225	225	144	-	1,800	9,425	11,225	11,225	1,800	42	50	
HEARING IMPAIRMENT----	-	-	-	1	1	1	-	-	-	7	7	7	-	7	7	
HERNIA (NOT DISC)----	-	-	107	9	116	116	-	-	5,350	266	5,616	5,616	50	30	48	
POISONING (SYSTEMIC)----	-	-	-	3	3	3	1	-	-	4	4	4	-	1	1	
RADIATION/ULTRA VIOLET----	-	-	-	1	1	1	1	-	-	57	57	57	-	57	57	
SCRATCH/ABRASION----	-	-	-	18	18	18	14	-	-	346	346	346	-	19	19	
STRAIN/SPRAIN----	-	-	9	2,864	2,873	2,873	241	-	15,770	124,581	140,351	140,351	1,752	43	49	
MULTIPLE INJURIES----	-	-	-	143	143	143	56	-	-	4,758	4,758	4,758	-	33	33	
OTHER INJURY, NEC----	-	-	-	32	32	32	6	-	-	982	982	982	-	31	31	
UNCLASSIFIED (NO DATA)----	-	-	-	64	64	64	14	-	-	3,039	3,039	3,039	-	47	47	
TOTAL OR AVERAGE -----	-	-	131	3,965	4,096	4,096	1,040	-	-	24,525	153,007	177,532	177,532	187	39	43
HAND TOOL:																
AMPUTATION/ENUCLEATION----	-	-	4	-	4	4	-	-	425	-	425	425	106	-	106	
BURN/SCALD (NOT CHEM.)----	-	-	-	4	4	4	-	-	-	28	28	28	-	7	7	
CHEMICAL BURN----	-	-	-	3	3	3	1	-	-	38	38	38	-	13	13	
CONCUSSION (CEREBRAL)----	-	-	-	1	1	1	1	-	-	5	5	5	-	5	5	
CONTUSION OR BRUISE----	-	-	-	146	146	146	44	-	-	2,933	2,933	2,933	-	20	20	
CUT OR PUNCTURE----	-	-	-	225	225	225	496	-	-	2,986	2,986	2,986	-	13	13	
DISLOCATION----	-	-	-	3	3	3	-	-	-	87	87	87	-	29	29	
DUST IN EYE----	-	-	-	6	6	6	9	-	-	279	279	279	-	46	46	
FRACTURE----	-	-	-	132	132	132	87	-	-	5,396	5,396	5,396	-	41	41	
HERNIA (NOT DISC)----	-	-	6	-	6	6	-	-	300	-	300	300	50	-	50	
SCRATCH/ABRASION----	-	-	-	14	14	14	4	-	-	77	77	77	-	6	6	
STRAIN/SPRAIN----	-	-	1	287	288	288	24	-	3,060	12,171	15,231	15,231	3,060	42	53	
MULTIPLE INJURIES----	-	-	-	76	76	76	35	-	-	1,831	1,831	1,831	-	24	24	
OTHER INJURY, NEC----	-	-	-	7	7	7	1	-	-	445	445	445	-	64	64	
UNCLASSIFIED (NO DATA)----	-	-	-	24	24	24	8	-	-	482	482	482	-	20	20	
TOTAL OR AVERAGE -----	-	-	11	928	939	939	710	-	-	3,785	26,758	30,543	30,543	344	29	33

TABLE 20B. - 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, 1990 (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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
NONPOWERED HAULAGE:																	
AMPUTATION/ENUCLEATION----	-	-	2	-	2	2	-	2	-	-	360	-	360	360	180	-	180
CONTUSION OR BRUISE-----	-	-	-	6	6	6	1	7	-	-	-	147	147	147	-	24	24
CUT OR PUNCTURE-----	-	-	-	7	7	7	3	10	-	-	-	249	249	249	-	36	36
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	42	42	42	-	42	42
FRACTURE-----	-	-	-	5	5	5	1	6	-	-	-	312	312	312	-	62	62
STRAIN/SPRAIN-----	-	-	1	25	26	26	2	28	-	-	3,000	1,772	4,772	4,772	3,000	71	184
MULTIPLE INJURIES-----	-	-	-	4	4	4	1	5	-	-	-	95	95	95	-	24	24
UNCLASSIFIED (NO DATA)----	-	-	-	2	2	2	-	2	-	-	-	21	21	21	-	10	10
TOTAL OR AVERAGE-----	-	-	3	50	53	53	8	61	-	-	3,360	2,638	5,998	5,998	1,120	53	113
POWERED HAULAGE:																	
AMPUTATION/ENUCLEATION----	-	-	23	-	23	23	-	23	-	-	13,895	-	13,895	13,895	604	-	604
ASPHYXIATION/DROWNING----	-	-	-	3	3	3	-	3	-	-	-	100	100	100	-	33	33
BURN/SCALD (NOT CHEM.)----	-	-	-	3	3	3	-	3	-	-	-	42	42	42	-	14	14
CHEMICAL BURN-----	-	-	-	2	2	2	-	2	-	-	-	7	7	7	-	4	4
CONCUSSION (CEREBRAL)-----	-	-	-	5	5	5	-	5	-	-	-	189	189	189	-	38	38
CONTUSION OR BRUISE-----	3	-	1	298	299	302	32	334	18,000	-	120	7,475	7,595	25,595	120	25	85
CUT OR PUNCTURE-----	-	-	-	103	103	103	91	194	-	-	-	2,414	2,414	2,414	-	23	23
DISLOCATION-----	-	-	-	9	9	9	1	10	-	-	-	368	368	368	-	41	41
DUST IN EYE-----	-	-	-	7	7	7	10	17	-	-	-	20	20	20	-	3	3
FRACTURE-----	3	-	2	156	158	161	26	187	18,000	-	3,000	9,770	12,770	30,770	1,500	63	191
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	50	-	50
POISONING (SYSTEMIC)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
RADIATION/ULTRA VIOLET-----	-	-	-	3	3	3	-	3	-	-	-	10	10	10	-	3	3
SCRATCH/ABRASION-----	-	-	-	14	14	14	4	18	-	-	-	307	307	307	-	22	22
STRAIN/SPRAIN-----	-	-	-	488	488	488	52	540	-	-	-	22,670	22,670	22,670	-	46	46
MULTIPLE INJURIES-----	3	-	5	174	179	182	29	211	18,000	-	13,500	8,859	22,359	40,359	2,700	51	222
OTHER INJURY, NEC-----	-	-	-	16	16	16	1	17	-	-	-	723	723	723	-	45	45
UNCLASSIFIED (NO DATA)----	-	-	2	78	80	80	18	98	-	-	6,000	4,690	10,690	10,690	3,000	60	134
OCCUPATIONAL DISEASES-----	-	-	-	1	1	1	-	1	-	-	-	39	39	39	-	39	39
TOTAL OR AVERAGE-----	9	-	34	1,360	1,394	1,403	265	1,668	54,000	-	36,565	57,683	94,248	148,248	1,075	42	106
HOISTING:																	
CHEMICAL BURN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
STRAIN/SPRAIN-----	-	-	-	3	3	3	-	3	-	-	-	12	12	12	-	4	4
MULTIPLE INJURIES-----	-	-	-	1	1	1	1	2	-	-	-	143	143	143	-	143	143
TOTAL OR AVERAGE-----	-	-	-	5	5	5	3	8	-	-	-	159	159	159	-	32	32
IGNITION OR EXPLOSION OF GAS OR DUST:																	
BURN/SCALD (NOT CHEM.)----	1	-	-	16	16	17	2	19	6,000	-	-	897	897	6,897	-	56	406
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	17	17	17	-	17	17
TOTAL OR AVERAGE-----	1	-	-	17	17	18	2	20	6,000	-	-	914	914	6,914	-	54	384

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, 1990 (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 NFDL								
		TOTAL	PARTIAL														
INUNDATION: MULTIPLE INJURIES-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
MACHINERY:																	
AMPUTATION/ENUCLATION----	-	-	23	-	23	-	23	-	-	12,110	-	12,110	12,110	527	-	527	
ASPHYXIATION/DROWNING----	2	-	-	-	2	1	3	12,000	-	-	-	-	12,000	-	-	6,000	
BURN/SCALD (NOT CHEM.)----	-	-	-	46	46	41	87	-	-	-	522	522	522	-	11	11	
CHEMICAL BURN-----	-	-	-	9	9	4	13	-	-	-	53	53	53	-	6	6	
CONCUSSION (CEREBRAL)-----	-	-	-	1	1	1	2	-	-	-	2	2	2	-	2	2	
CONTUSION OR BRUISE-----	7	-	1	377	378	58	443	42,000	-	1,800	8,715	10,515	52,515	1,800	23	136	
CUT OR PUNCTURE-----	-	-	-	222	222	282	504	-	-	-	3,873	3,873	3,873	-	17	17	
DISLOCATION-----	-	-	-	12	12	1	13	-	-	-	716	716	716	-	60	60	
DUST IN EYE-----	-	-	-	24	24	46	70	-	-	-	69	69	69	-	3	3	
ELECTRIC SHOCK-----	-	-	-	1	1	1	1	-	-	-	4	4	4	-	4	4	
FRACTURE-----	-	-	2	253	255	54	309	-	-	4,800	14,273	19,073	19,073	2,400	56	75	
HERNIA (NOT DISC)-----	-	-	2	-	2	-	2	-	-	100	-	100	100	50	-	50	
POISONING (SYSTEMIC)-----	-	-	-	3	3	1	4	-	-	-	119	119	119	-	40	40	
RADIATION/ULTRA VIOLET-----	-	-	-	33	33	14	47	-	-	-	70	70	70	-	2	2	
SCRATCH/ABRASION-----	-	-	-	20	20	18	38	-	-	-	129	129	129	-	6	6	
STRAIN/SPRAIN-----	-	-	1	299	300	35	335	-	-	600	13,654	13,654	13,654	600	44	46	
MULTIPLE INJURIES-----	1	-	-	181	181	38	220	6,000	-	-	6,141	6,141	12,141	-	34	67	
OTHER INJURY, NEC-----	-	-	-	14	14	8	22	-	-	-	546	546	546	-	39	39	
UNCLASSIFIED (NO DATA)----	-	-	-	87	87	19	106	-	-	-	3,561	3,561	3,561	-	41	41	
TOTAL OR AVERAGE-----	10	-	29	1,582	1,611	621	2,242	60,000	-	19,410	51,847	71,257	131,257	669	33	81	
SLIP OR FALL OF PERSON:																	
AMPUTATION/ENUCLATION----	-	-	3	-	3	-	3	-	-	230	-	230	230	77	-	77	
BURN/SCALD (NOT CHEM.)----	-	-	-	2	2	1	3	-	-	-	11	11	11	-	6	6	
CHEMICAL BURN-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
CONCUSSION (CEREBRAL)-----	-	-	-	2	2	-	2	-	-	-	84	84	84	-	42	42	
CONTUSION OR BRUISE-----	-	-	1	263	264	39	303	-	-	3,600	8,776	12,376	12,376	3,600	33	47	
CUT OR PUNCTURE-----	-	-	-	36	36	69	105	-	-	-	673	673	673	-	19	19	
DISLOCATION-----	-	-	-	22	22	7	29	-	-	-	766	766	766	-	35	35	
DUST IN EYE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
FRACTURE-----	1	-	2	193	195	48	244	6,000	-	2,400	9,790	12,190	18,190	1,200	51	93	
HERNIA (NOT DISC)-----	-	-	9	2	11	-	11	-	-	450	137	587	587	50	68	53	
RADIATION/ULTRA VIOLET-----	-	-	-	1	1	1	1	-	-	-	105	105	105	-	105	105	
SCRATCH/ABRASION-----	-	-	-	4	4	4	8	-	-	-	97	97	97	-	24	24	
STRAIN/SPRAIN-----	-	-	2	1,218	1,220	100	1,320	-	-	4,200	49,736	53,936	53,936	2,100	41	44	
MULTIPLE INJURIES-----	2	-	1	131	132	17	151	12,000	-	50	6,478	6,528	18,528	50	49	138	
OTHER INJURY, NEC-----	-	-	-	13	13	2	15	-	-	-	479	479	479	-	37	37	
UNCLASSIFIED (NO DATA)----	-	-	1	92	93	18	111	-	-	3,000	5,135	8,135	8,135	3,000	56	87	
TOTAL OR AVERAGE-----	3	-	19	1,979	1,998	307	2,308	18,000	-	13,930	82,267	96,197	114,197	733	42	57	

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, 1990 (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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
STEPPING OR KNEELING ON OBJECT:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONTUSION OR BRUISE-----	-	-	-	31	31	31	6	37	-	-	-	574	574	574	-	19	19
CUT OR PUNCTURE-----	-	-	-	15	15	15	21	36	-	-	-	113	113	113	-	8	8
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	11	11	11	-	11	11
FRACTURE-----	-	-	-	14	14	14	1	15	-	-	-	463	463	463	-	33	33
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
STRAIN/SPRAIN-----	-	-	-	190	190	190	13	203	-	-	-	5,797	5,797	5,797	-	31	31
MULTIPLE INJURIES-----	-	-	-	8	8	8	2	10	-	-	-	176	176	176	-	22	22
OTHER INJURY, NEC-----	-	-	-	5	5	5	1	6	-	-	-	240	240	240	-	48	48
UNCLASSIFIED (NO DATA)----	-	-	-	6	6	6	-	6	-	-	-	325	325	325	-	54	54
TOTAL OR AVERAGE-----	-	-	-	271	271	271	44	315	-	-	-	7,700	7,700	7,700	-	28	28
STRIKING OR BUMPING:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE-----	-	-	-	19	19	19	-	19	-	-	-	530	530	530	-	28	28
CUT OR PUNCTURE-----	-	-	-	15	15	15	29	44	-	-	-	129	129	129	-	9	9
DUST IN EYE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FRACTURE-----	-	-	-	3	3	3	4	7	-	-	-	39	39	39	-	13	13
RADIATION/ULTRA VIOLET----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	-	-	14	14	14	-	14	14
STRAIN/SPRAIN-----	-	-	-	89	89	89	19	108	-	-	-	3,748	3,748	3,748	-	42	42
MULTIPLE INJURIES-----	-	-	-	6	6	6	1	7	-	-	-	155	155	155	-	26	26
OTHER INJURY, NEC-----	-	-	-	3	3	3	1	4	-	-	-	115	115	115	-	38	38
UNCLASSIFIED (NO DATA)----	-	-	-	7	7	7	2	9	-	-	-	629	629	629	-	90	90
TOTAL OR AVERAGE-----	-	-	-	143	143	143	59	202	-	-	-	5,359	5,359	5,359	-	37	37
OTHER INJURIES:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
CONTUSION OR BRUISE-----	-	-	-	5	5	5	-	5	-	-	-	79	79	79	-	16	16
CUT OR PUNCTURE-----	-	-	-	3	3	3	10	13	-	-	-	21	21	21	-	7	7
DISLOCATION-----	-	-	-	2	2	2	-	2	-	-	-	362	362	362	-	181	181
DUST IN EYE-----	-	-	-	10	10	10	15	25	-	-	-	26	26	26	-	3	3
FRACTURE-----	-	-	-	5	5	5	1	6	-	-	-	345	345	345	-	69	69
POISONING (SYSTEMIC)-----	-	-	-	9	9	9	7	16	-	-	-	124	124	124	-	14	14
SCRATCH/ABRASION-----	-	-	-	7	7	7	4	11	-	-	-	10	10	10	-	1	1
STRAIN/SPRAIN-----	-	-	1	77	78	78	4	82	-	-	1,125	4,350	5,475	5,475	1,125	56	70
MULTIPLE INJURIES-----	-	-	-	3	3	3	1	4	-	-	-	138	138	138	-	46	46
OTHER INJURY, NEC-----	1	-	-	7	7	8	-	8	6,000	-	-	321	321	6,321	-	46	790
UNCLASSIFIED (NO DATA)----	-	-	-	54	54	54	4	58	-	-	-	4,182	4,182	4,182	-	77	77
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	1	-	1	184	185	186	47	233	6,000	-	1,125	9,966	11,091	17,091	1,125	54	92

TABLE 20B. - 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, 1990 (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 NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE-----	-	-	69	-	69	69	-	69	-	-	28,625	-	28,625	28,625	415	-	415
AMPUTATION/ENUCLEATION-----	2	-	-	8	8	10	1	11	12,000	-	-	125	125	12,125	-	16	1,212
ASPHYXIATION/DROWNING-----	1	-	-	106	106	107	61	168	6,000	-	-	2,456	2,456	8,456	-	23	79
BURN/SCALD (NOT CHEM.)-----	-	-	-	52	52	52	34	86	-	-	-	702	702	702	-	14	14
CHEMICAL BURN-----	-	-	-	14	14	14	4	18	-	-	-	387	387	387	-	28	28
CONCUSSION (CEREBRAL)-----	22	-	5	1,757	1,762	1,784	287	2,071	132,000	-	9,720	41,526	51,246	183,246	1,944	24	103
CONTUSION OR BRUISE-----	-	-	-	902	902	902	1,525	2,427	-	-	-	14,857	14,857	14,857	-	16	16
CUT OR PUNCTURE-----	-	-	-	2	2	2	1	3	-	-	-	12	12	12	-	6	6
DERMATITIS-----	-	-	-	1	66	67	13	80	-	-	50	3,208	3,258	3,258	50	49	49
DISLOCATION-----	-	-	-	67	67	67	120	187	-	-	-	490	490	490	-	7	7
DUST IN EYE-----	-	-	-	20	20	27	4	31	42,000	-	-	391	391	42,391	-	20	1,570
ELECTRIC SHOCK-----	7	-	-	14	14	14	8	22	-	-	-	272	272	272	-	19	19
ELECT. BURN (CONTACT)-----	-	-	-	1,114	1,121	1,127	378	1,505	36,000	-	12,000	59,018	71,018	107,018	1,714	53	95
FRACTURE-----	6	-	7	2	2	2	1	3	-	-	-	10	10	10	-	5	5
HEARING IMPAIRMENT-----	-	-	-	11	137	137	-	137	-	-	6,300	403	6,703	6,703	50	37	49
HERNIA (NOT DISC)-----	-	-	126	17	17	17	10	27	-	-	-	264	264	264	-	16	16
POISONING (SYSTEMIC)-----	-	-	-	120	120	120	23	143	-	-	-	1,803	1,803	1,803	-	15	15
RADIATION/ULTRA VIOLET-----	-	-	-	88	88	88	51	139	-	-	-	1,020	1,020	1,020	-	12	12
SCRATCH/ABRASION-----	-	-	-	16	5,622	5,638	497	6,135	-	-	28,955	242,339	271,294	271,294	1,810	43	48
STRAIN/SPRAIN-----	-	-	9	847	858	874	201	1,075	96,000	12,000	24,950	35,244	72,194	168,194	2,772	42	192
MULTIPLE INJURIES-----	16	2	-	106	106	108	22	130	12,000	-	-	4,459	4,459	16,459	-	42	152
OTHER INJURY, NEC-----	2	-	-	475	478	479	96	575	6,000	-	9,000	25,469	34,469	40,469	3,000	54	84
UNCLASSIFIED (NO DATA)-----	1	-	3	1	1	1	1	2	-	-	-	39	39	39	-	39	39
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	57	2	236	11,411	11,649	11,706	3,338	15,044	342,000	12,000	119,600	434,494	566,094	908,094	507	38	78

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990

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:								
ALABAMA-----	-	-	-	-	-	1	-	1
COLORADO-----	-	1	1	-	-	3	-	5
ILLINOIS-----	-	-	-	1	-	3	-	4
KENTUCKY-----	-	46	-	-	-	7	1	54
MARYLAND-----	-	-	-	-	-	2	-	2
PENNSYLVANIA-----	-	1	-	-	-	18	2	21
VIRGINIA-----	-	25	-	-	1	15	11	52
WEST VIRGINIA-----	-	231	-	-	-	79	2	312
TOTAL-----	-	304	1	1	1	128	16	451
SURFACE AT UG:								
ALL COAL:								
COLORADO-----	-	-	-	1	-	-	-	1
ILLINOIS-----	-	-	-	-	-	1	-	1
KENTUCKY-----	-	8	-	-	-	-	-	8
MARYLAND-----	-	1	-	-	-	-	-	1
PENNSYLVANIA-----	-	-	-	-	-	-	1	1
VIRGINIA-----	-	-	1	-	-	-	1	2
WEST VIRGINIA-----	-	3	-	-	-	2	1	6
TOTAL-----	-	12	1	1	-	3	3	20
TOTAL UNDERGROUND:								
ALL COAL:								
ALABAMA-----	-	-	-	-	-	1	-	1
COLORADO-----	-	1	1	1	-	3	-	6
ILLINOIS-----	-	-	-	1	-	4	-	5
KENTUCKY-----	-	54	-	-	-	7	1	62
MARYLAND-----	-	1	-	-	-	2	-	3
PENNSYLVANIA-----	-	1	-	-	-	18	3	22
VIRGINIA-----	-	25	1	-	1	15	12	54
WEST VIRGINIA-----	-	234	-	-	-	81	3	318
TOTAL-----	-	316	2	2	1	131	19	471
SURFACE MINES:								
STRIP:								
ALL COAL:								
COLORADO-----	-	-	-	-	-	2	-	2
INDIANA-----	-	-	-	-	1	-	-	1
KENTUCKY-----	-	2	-	-	-	-	-	2
MISSOURI-----	-	-	-	-	-	1	-	1
NORTH DAKOTA-----	-	-	-	-	-	1	-	1
OHIO-----	-	-	-	-	-	-	1	1
OKLAHOMA-----	-	-	-	-	-	1	-	1
PENNSYLVANIA-----	-	4	-	-	-	2	-	6
TEXAS-----	-	-	-	-	-	1	-	1
VIRGINIA-----	-	1	-	-	-	1	-	2
WASHINGTON-----	-	-	-	-	-	8	-	8
WEST VIRGINIA-----	-	14	-	-	-	9	-	23
WYOMING-----	-	-	-	-	-	1	-	1
TOTAL-----	-	21	-	-	1	27	1	50

TABLE 21 - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (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 (NONTXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
TOTAL SURFACE:								
ALL COAL:								
COLORADO-----	-	-	-	-	-	2	-	2
INDIANA-----	-	-	-	-	1	-	-	1
KENTUCKY-----	-	2	-	-	-	-	-	2
MISSOURI-----	-	-	-	-	-	1	-	1
NORTH DAKOTA-----	-	-	-	-	-	1	-	1
OHIO-----	-	-	-	-	-	-	1	1
OKLAHOMA-----	-	-	-	-	-	1	-	1
PENNSYLVANIA-----	-	4	-	-	-	2	-	6
TEXAS-----	-	-	-	-	-	1	-	1
VIRGINIA-----	-	1	-	-	-	1	-	2
WASHINGTON-----	-	-	-	-	-	8	-	8
WEST VIRGINIA-----	-	14	-	-	-	9	-	23
WYOMING-----	-	-	-	-	-	1	-	1
TOTAL-----	-	21	-	-	1	27	1	50
TOTAL MINING:								
ALL COAL:								
ALABAMA-----	-	-	-	-	-	1	-	1
COLORADO-----	-	1	1	1	-	5	-	8
ILLINOIS-----	-	-	-	1	-	4	-	5
INDIANA-----	-	-	-	-	1	-	-	1
KENTUCKY-----	-	56	-	-	-	7	1	64
MARYLAND-----	-	1	-	-	-	2	-	3
MISSOURI-----	-	-	-	-	-	1	-	1
NORTH DAKOTA-----	-	-	-	-	-	1	-	1
OHIO-----	-	-	-	-	-	-	1	1
OKLAHOMA-----	-	-	-	-	-	1	-	1
PENNSYLVANIA-----	-	5	-	-	-	20	3	28
TEXAS-----	-	-	-	-	-	1	-	1
VIRGINIA-----	-	26	1	-	1	16	12	56
WASHINGTON-----	-	-	-	-	-	8	-	8
WEST VIRGINIA-----	-	248	-	-	-	90	3	341
WYOMING-----	-	-	-	-	-	1	-	1
TOTAL-----	-	337	2	2	2	158	20	521
INDEPENDENT SHOPS:								
ALL COAL:								
KENTUCKY-----	-	1	-	-	-	-	-	1
VIRGINIA-----	-	2	-	-	-	5	-	7
WEST VIRGINIA-----	-	-	-	-	-	1	-	1
TOTAL-----	-	3	-	-	-	6	-	9
PROCESSING PLANTS:								
ALL COAL:								
ALABAMA-----	-	1	-	-	-	-	-	1
KENTUCKY-----	-	10	1	1	-	1	-	13
PENNSYLVANIA-----	1	1	-	-	-	4	-	6
VIRGINIA-----	-	1	-	-	-	1	3	5
WEST VIRGINIA-----	-	46	-	-	-	15	-	61
TOTAL-----	1	59	1	1	-	21	3	86

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT ALL COAL OPERATIONS IN THE UNITED STATES, 1990 (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	-	-	-	1	-	2
COLORADO-----	-	1	1	1	-	5	-	8
ILLINOIS-----	-	-	-	1	-	4	-	5
INDIANA-----	-	-	-	-	1	-	-	1
KENTUCKY-----	-	67	1	1	-	8	1	78
MARYLAND-----	-	1	-	-	-	2	-	3
MISSOURI-----	-	-	-	-	-	1	-	1
NORTH DAKOTA-----	-	-	-	-	-	1	-	1
OHIO-----	-	-	-	-	-	-	1	1
OKLAHOMA-----	-	-	-	-	-	1	-	1
PENNSYLVANIA-----	1	6	-	-	-	24	3	34
TEXAS-----	-	-	-	-	-	1	-	1
VIRGINIA-----	-	29	1	-	1	22	15	68
WASHINGTON-----	-	-	-	-	-	8	-	8
WEST VIRGINIA-----	-	294	-	-	-	106	3	403
WYOMING-----	-	-	-	-	-	1	-	1
TOTAL-----	1	399	3	3	2	185	23	616
OFFICE:								
ALL COAL:								
COLORADO-----	-	-	-	-	-	1	-	1
KENTUCKY-----	-	1	-	-	-	-	-	1
TOTAL-----	-	1	-	-	-	1	-	2
GRAND TOTAL:								
ALL COAL:								
ALABAMA-----	-	1	-	-	-	1	-	2
COLORADO-----	-	1	1	1	-	6	-	9
ILLINOIS-----	-	-	-	1	-	4	-	5
INDIANA-----	-	-	-	-	1	-	-	1
KENTUCKY-----	-	68	1	1	-	8	1	79
MARYLAND-----	-	1	-	-	-	2	-	3
MISSOURI-----	-	-	-	-	-	1	-	1
NORTH DAKOTA-----	-	-	-	-	-	1	-	1
OHIO-----	-	-	-	-	-	-	1	1
OKLAHOMA-----	-	-	-	-	-	1	-	1
PENNSYLVANIA-----	1	6	-	-	-	24	3	34
TEXAS-----	-	-	-	-	-	1	-	1
VIRGINIA-----	-	29	1	-	1	22	15	68
WASHINGTON-----	-	-	-	-	-	8	-	8
WEST VIRGINIA-----	-	294	-	-	-	106	3	403
WYOMING-----	-	-	-	-	-	1	-	1
TOTAL-----	1	400	3	3	2	186	23	618

TABLE 21A. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1990

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
SURFACE MINES:								
STRIP:								
ANTHRACITE:								
PENNSYLVANIA-----	-	4	-	-	-	1	-	5
TOTAL-----	-	4	-	-	-	1	-	5
TOTAL SURFACE:								
ANTHRACITE:								
PENNSYLVANIA-----	-	4	-	-	-	1	-	5
TOTAL-----	-	4	-	-	-	1	-	5
TOTAL MINING:								
ANTHRACITE:								
PENNSYLVANIA-----	-	4	-	-	-	1	-	5
TOTAL-----	-	4	-	-	-	1	-	5
PROCESSING PLANTS:								
ANTHRACITE:								
PENNSYLVANIA-----	-	1	-	-	-	1	-	2
TOTAL-----	-	1	-	-	-	1	-	2
TOTAL MINES AND PLANTS:								
ANTHRACITE:								
PENNSYLVANIA-----	-	5	-	-	-	2	-	7
TOTAL-----	-	5	-	-	-	2	-	7
GRAND TOTAL:								
ANTHRACITE:								
PENNSYLVANIA-----	-	5	-	-	-	2	-	7
TOTAL-----	-	5	-	-	-	2	-	7

TABLE 21B. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990

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 (NONTXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
UNDERGROUND MINES:								
UNDERGROUND:								
BITUMINOUS:								
ALABAMA-----	-	-	-	-	-	1	-	1
COLORADO-----	-	1	1	-	-	3	-	5
ILLINOIS-----	-	-	-	1	-	3	-	4
KENTUCKY-----	-	46	-	-	-	7	1	54
MARYLAND-----	-	-	-	-	-	2	-	2
PENNSYLVANIA-----	-	1	-	-	-	18	2	21
VIRGINIA-----	-	25	-	-	1	15	11	52
WEST VIRGINIA-----	-	231	-	-	-	79	2	312
TOTAL-----	-	304	1	1	1	128	16	451
SURFACE AT UG:								
BITUMINOUS:								
COLORADO-----	-	-	-	1	-	-	-	1
ILLINOIS-----	-	-	-	-	-	1	-	1
KENTUCKY-----	-	8	-	-	-	-	-	8
MARYLAND-----	-	1	-	-	-	-	-	1
PENNSYLVANIA-----	-	-	-	-	-	-	1	1
VIRGINIA-----	-	-	1	-	-	-	1	2
WEST VIRGINIA-----	-	3	-	-	-	2	1	6
TOTAL-----	-	12	1	1	-	3	3	20
TOTAL UNDERGROUND:								
BITUMINOUS:								
ALABAMA-----	-	-	-	-	-	1	-	1
COLORADO-----	-	1	1	1	-	3	-	6
ILLINOIS-----	-	-	-	1	-	4	-	5
KENTUCKY-----	-	54	-	-	-	7	1	62
MARYLAND-----	-	1	-	-	-	2	-	3
PENNSYLVANIA-----	-	1	-	-	-	18	3	22
VIRGINIA-----	-	25	1	-	1	15	12	54
WEST VIRGINIA-----	-	234	-	-	-	81	3	318
TOTAL-----	-	316	2	2	1	131	19	471
SURFACE MINES:								
STRIP:								
BITUMINOUS:								
COLORADO-----	-	-	-	-	-	2	-	2
INDIANA-----	-	-	-	-	1	-	-	1
KENTUCKY-----	-	2	-	-	-	-	-	2
MISSOURI-----	-	-	-	-	-	1	-	1
NORTH DAKOTA-----	-	-	-	-	-	1	-	1
OHIO-----	-	-	-	-	-	-	1	1
OKLAHOMA-----	-	-	-	-	-	1	-	1
PENNSYLVANIA-----	-	-	-	-	-	1	-	1
TEXAS-----	-	-	-	-	-	1	-	1
VIRGINIA-----	-	1	-	-	-	1	-	2
WASHINGTON-----	-	-	-	-	-	8	-	8
WEST VIRGINIA-----	-	14	-	-	-	9	-	23
WYOMING-----	-	-	-	-	-	1	-	1
TOTAL-----	-	17	-	-	1	26	1	45

TABLE 21B. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990 (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:								
COLORADO-----	-	-	-	-	-	2	-	2
INDIANA-----	-	-	-	-	1	-	-	1
KENTUCKY-----	-	2	-	-	-	-	-	2
MISSOURI-----	-	-	-	-	-	1	-	1
NORTH DAKOTA-----	-	-	-	-	-	1	-	1
OHIO-----	-	-	-	-	-	-	1	1
OKLAHOMA-----	-	-	-	-	-	1	-	1
PENNSYLVANIA-----	-	-	-	-	-	1	-	1
TEXAS-----	-	-	-	-	-	1	-	1
VIRGINIA-----	-	1	-	-	-	1	-	2
WASHINGTON-----	-	-	-	-	-	8	-	8
WEST VIRGINIA-----	-	14	-	-	-	9	-	23
WYOMING-----	-	-	-	-	-	1	-	1
TOTAL-----	-	17	-	-	1	26	1	45
TOTAL MINING: BITUMINOUS:								
ALABAMA-----	-	-	-	-	-	1	-	1
COLORADO-----	-	1	1	1	-	5	-	8
ILLINOIS-----	-	-	-	1	-	4	-	5
INDIANA-----	-	-	-	-	1	-	-	1
KENTUCKY-----	-	56	-	-	-	7	1	64
MARYLAND-----	-	1	-	-	-	2	-	3
MISSOURI-----	-	-	-	-	-	1	-	1
NORTH DAKOTA-----	-	-	-	-	-	1	-	1
OHIO-----	-	-	-	-	-	-	1	1
OKLAHOMA-----	-	-	-	-	-	1	-	1
PENNSYLVANIA-----	-	1	-	-	-	19	3	23
TEXAS-----	-	-	-	-	-	1	-	1
VIRGINIA-----	-	26	1	-	1	16	12	56
WASHINGTON-----	-	-	-	-	-	8	-	8
WEST VIRGINIA-----	-	248	-	-	-	90	3	341
WYOMING-----	-	-	-	-	-	1	-	1
TOTAL-----	-	333	2	2	2	157	20	516
INDEPENDENT SHOPS: BITUMINOUS:								
KENTUCKY-----	-	1	-	-	-	-	-	1
VIRGINIA-----	-	2	-	-	-	5	-	7
WEST VIRGINIA-----	-	-	-	-	-	1	-	1
TOTAL-----	-	3	-	-	-	6	-	9
PROCESSING PLANTS: BITUMINOUS:								
ALABAMA-----	-	1	-	-	-	-	-	1
KENTUCKY-----	-	10	1	1	-	1	-	13
PENNSYLVANIA-----	1	-	-	-	-	3	-	4
VIRGINIA-----	-	1	-	-	-	1	3	5
WEST VIRGINIA-----	-	46	-	-	-	15	-	61
TOTAL-----	1	58	1	1	-	20	3	84

TABLE 21B. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1990 (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	-	2
COLORADO-----	-	1	1	1	-	5	-	8
ILLINOIS-----	-	-	-	1	-	4	-	5
INDIANA-----	-	-	-	-	1	-	-	1
KENTUCKY-----	-	67	1	1	-	8	1	78
MARYLAND-----	-	1	-	-	-	2	-	3
MISSOURI-----	-	-	-	-	-	1	-	1
NORTH DAKOTA-----	-	-	-	-	-	1	-	1
OHIO-----	-	-	-	-	-	-	1	1
OKLAHOMA-----	-	-	-	-	-	1	-	1
PENNSYLVANIA-----	1	1	-	-	-	22	3	27
TEXAS-----	-	-	-	-	-	1	-	1
VIRGINIA-----	-	29	1	-	1	22	15	68
WASHINGTON-----	-	-	-	-	-	8	-	8
WEST VIRGINIA-----	-	294	-	-	-	106	3	403
WYOMING-----	-	-	-	-	-	1	-	1
TOTAL-----	1	394	3	3	2	183	23	609
OFFICE:								
BITUMINOUS:								
COLORADO-----	-	-	-	-	-	1	-	1
KENTUCKY-----	-	1	-	-	-	-	-	1
TOTAL-----	-	1	-	-	-	1	-	2
GRAND TOTAL:								
BITUMINOUS:								
ALABAMA-----	-	1	-	-	-	1	-	2
COLORADO-----	-	1	1	1	-	6	-	9
ILLINOIS-----	-	-	-	1	-	4	-	5
INDIANA-----	-	-	-	-	1	-	-	1
KENTUCKY-----	-	68	1	1	-	8	1	79
MARYLAND-----	-	1	-	-	-	2	-	3
MISSOURI-----	-	-	-	-	-	1	-	1
NORTH DAKOTA-----	-	-	-	-	-	1	-	1
OHIO-----	-	-	-	-	-	-	1	1
OKLAHOMA-----	-	-	-	-	-	1	-	1
PENNSYLVANIA-----	1	1	-	-	-	22	3	27
TEXAS-----	-	-	-	-	-	1	-	1
VIRGINIA-----	-	29	1	-	1	22	15	68
WASHINGTON-----	-	-	-	-	-	8	-	8
WEST VIRGINIA-----	-	294	-	-	-	106	3	403
WYOMING-----	-	-	-	-	-	1	-	1
TOTAL-----	1	395	3	3	2	184	23	611

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, 1990
(OPERATOR DATA)

TYPE OF COAL AND WORK LOCATION	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE	NDL	NDL INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED	PRODUCTION REPORTED (SHORT TONS)
BITUMINOUS COAL:											
UNDERGROUND MINES:											
UNDERGROUND-----	43	.06	8,544	12.76	1,940	2.90	10,527	15.73	68,851	133,874,429	419,378,923
SURFACE-----	2	.03	595	8.61	239	3.46	836	12.10	7,510	13,814,032	-
TOTAL, UNDERGROUND MINES--	45	.06	9,139	12.38	2,179	2.95	11,363	15.39	76,361	147,688,461	419,378,923
SURFACE MINES:											
STRIP MINES-----	9	.02	1,595	3.54	772	1.71	2,376	5.27	44,266	90,094,833	590,934,419
AUGER MINES-----	-	-	29	9.23	10	3.18	39	12.42	616	628,220	3,406,800
OTHER SURFACE MINES-----	-	-	13	6.03	-	-	13	6.03	296	431,461	1,032,822
TOTAL, SURFACE MINES-----	9	.02	1,637	3.59	782	1.72	2,428	5.33	45,178	91,154,514	595,374,041
TOTAL, PRODUCTION MINING--	54	.05	10,776	9.02	2,961	2.48	13,791	11.55	121,539	238,842,975	14,752,964
PREPARATION PLANTS-----	2	.01	787	5.31	319	2.15	1,108	7.48	14,256	29,637,681	-
INDEPENDENT SHOPS/YARDS-----	1	.10	69	6.59	45	4.30	115	10.98	1,069	2,094,060	-
TOTAL, OTHER OPERATIONS--	3	.02	856	5.40	364	2.29	1,223	7.71	15,325	31,731,741	-
TOTAL, BITUMINOUS MINING--	57	.04	11,632	8.60	3,325	2.46	15,014	11.10	136,864	270,574,716	14,752,964
PENNSYLVANIA ANTHRACITE COAL:											
UNDERGROUND MINES:											
UNDERGROUND-----	-	-	9	4.56	2	1.01	11	5.57	317	394,939	415,518
SURFACE-----	-	-	2	3.25	1	1.62	3	4.87	99	123,144	-
TOTAL, UNDERGROUND MINES--	-	-	11	4.25	3	1.16	14	5.40	416	518,083	415,518
SURFACE MINES:											
STRIP MINES-----	-	-	77	11.68	14	2.12	91	13.81	695	1,318,132	1,861,023
CULM BANK-----	-	-	16	8.27	3	1.55	19	9.82	250	387,092	892,847
DREDGE-----	-	-	-	-	-	-	-	-	4	3,135	1,017
TOTAL, SURFACE MINES-----	-	-	93	10.89	17	1.99	110	12.88	949	1,708,359	2,754,887
TOTAL, PRODUCTION MINING--	-	-	104	9.34	20	1.80	124	11.14	1,365	2,226,442	3,170,405
PREPARATION PLANTS-----	2	.29	84	12.07	17	2.44	103	14.80	752	1,392,328	-
INDEPENDENT SHOPS/YARDS-----	-	-	3	7.56	3	7.56	6	15.12	44	79,365	-
TOTAL, OTHER OPERATIONS--	2	.27	87	11.82	20	2.72	109	14.81	796	1,471,693	-
TOTAL, ANTHRACITE MINING--	2	.11	191	10.33	40	2.16	233	12.60	2,161	3,698,135	3,170,405
ALL COAL:											
UNDERGROUND MINES:											
UNDERGROUND-----	43	.06	8,553	12.74	1,942	2.89	10,538	15.70	69,168	134,269,368	419,794,441
SURFACE-----	2	.03	597	8.57	240	3.44	839	12.04	7,609	13,937,176	-
TOTAL, UNDERGROUND MINES--	45	.06	9,150	12.35	2,182	2.94	11,377	15.35	76,777	148,206,544	419,794,441
SURFACE MINES:											
STRIP MINES-----	9	.02	1,672	3.66	786	1.72	2,467	5.40	44,961	91,412,965	592,795,442
AUGER MINES-----	-	-	29	9.23	10	3.18	39	12.42	616	628,220	3,406,800
CULM BANK-----	-	-	26	7.84	3	.90	29	8.75	453	663,171	1,648,839
DREDGE-----	-	-	3	3.79	-	-	3	3.79	97	158,517	277,847
TOTAL, SURFACE MINES-----	9	.02	1,730	3.73	799	1.72	2,538	5.47	46,127	92,862,873	598,128,928
TOTAL, PRODUCTION MINING--	54	.04	10,880	9.03	2,981	2.47	13,915	11.54	122,904	241,069,417	17,923,369
PREPARATION PLANTS-----	4	.03	871	5.61	336	2.17	1,211	7.81	15,008	31,030,009	-
INDEPENDENT SHOPS/YARDS-----	1	.09	72	6.63	48	4.42	121	11.13	1,113	2,173,425	-
TOTAL, OTHER OPERATIONS--	5	.03	943	5.68	384	2.31	1,332	8.02	16,121	33,203,434	-
TOTAL, ALL COAL-----	59	.04	11,823	8.62	3,365	2.45	15,247	11.12	139,025	274,272,851	17,923,369
OFFICEWORKERS:											
BITUMINOUS-----	-	-	17	.25	11	.16	28	.42	7,353	13,340,612	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	127	207,325	-
TOTAL, OFFICEWORKERS-----	-	-	17	.25	11	.16	28	.41	7,480	13,547,937	-
GRAND TOTAL-----	59	.04	11,840	8.23	3,376	2.35	15,275	10.61	146,505	287,820,788	17,923,369

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, 1990 (OPERATOR DATA)

WORK LOCATION AND MINERAL INDUSTRY	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE	NDL	NDL INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED
UNDERGROUND MINES:										
METAL-----	7	.07	651	6.84	520	5.47	1,178	12.38	9,835	19,028,577
NONMETAL-----	3	.07	256	5.67	128	2.83	387	8.57	4,513	9,035,784
STONE-----	-	-	123	6.10	69	3.42	192	9.52	2,039	4,033,409
TOTAL, UNDERGROUND MINES--	10	.06	1,030	6.42	717	4.47	1,757	10.95	16,387	32,097,770
SURFACE MINES:										
METAL-----	7	.04	691	3.85	329	1.83	1,027	5.72	17,726	35,919,220
NONMETAL-----	1	.02	214	3.29	149	2.29	364	5.60	7,148	13,005,144
STONE-----	9	.03	1,556	5.46	1,021	3.58	2,586	9.08	29,127	56,986,913
SUBTOTAL, SURFACE MINES--	17	.03	2,461	4.65	1,499	2.83	3,977	7.51	54,001	105,911,277
SAND AND GRAVEL-----	10	.03	1,487	4.97	843	2.82	2,340	7.82	35,899	59,855,099
TOTAL, SURFACE MINES-----	27	.03	3,948	4.76	2,342	2.83	6,317	7.62	89,900	165,766,376
TOTAL, MINES-----	37	.04	4,978	5.03	3,059	3.09	8,074	8.16	106,287	197,864,146
MILLS:										
METAL-----	1	(*)	773	3.76	605	2.94	1,379	6.71	20,025	41,102,365
NONMETAL-----	-	-	803	4.56	449	2.55	1,252	7.11	17,376	35,207,673
STONE-----	6	.02	1,922	5.21	1,428	3.87	3,356	9.10	35,486	73,794,663
TOTAL, MILLS-----	7	.01	3,498	4.66	2,482	3.31	5,987	7.98	72,887	150,104,701
INDEPENDENT SHOPS AND YARDS:										
METAL-----	-	-	15	3.94	18	4.73	33	8.66	391	761,764
NONMETAL-----	-	-	-	-	-	-	-	-	-	-
STONE-----	-	-	8	3.69	9	4.15	17	7.85	205	433,377
TOTAL, SHOPS AND YARDS--	-	-	23	3.85	27	4.52	50	8.37	596	1,195,141
ALL MINES, MILLS AND SHOPS:										
METAL-----	15	.03	2,130	4.40	1,472	3.04	3,617	7.47	47,977	96,811,926
NONMETAL-----	4	.01	1,273	4.45	726	2.54	2,003	7.00	29,037	57,248,601
STONE-----	15	.02	3,609	5.34	2,527	3.74	6,151	9.10	66,857	135,248,362
SUBTOTAL-----	34	.02	7,012	4.85	4,725	3.27	11,771	8.14	143,871	289,308,889
SAND AND GRAVEL-----	10	.03	1,487	4.97	843	2.82	2,340	7.82	35,899	59,855,099
TOTAL, MINES/MILLS/SHOPS--	44	.03	8,499	4.87	5,568	3.19	14,111	8.08	179,770	349,163,988
OFFICEWORKERS:										
METAL-----	-	-	7	.12	14	.24	21	.35	6,028	11,912,388
NONMETAL-----	-	-	5	.11	8	.18	13	.30	4,781	8,793,214
STONE-----	-	-	15	.14	17	.16	32	.30	11,089	21,000,041
SAND AND GRAVEL-----	-	-	8	.16	11	.22	19	.38	7,369	10,047,213
TOTAL, OFFICEWORKERS-----	-	-	35	.14	50	.19	85	.33	29,267	51,752,856
SUMMARY TOTAL (INCLUDES OFFICE- WORKERS):										
METAL-----	15	.03	2,137	3.93	1,486	2.73	3,638	6.69	54,005	108,724,314
NONMETAL-----	4	.01	1,278	3.87	734	2.22	2,016	6.11	33,818	66,041,815
STONE-----	15	.02	3,624	4.64	2,544	3.26	6,183	7.91	77,946	156,248,403
SUBTOTAL-----	34	.02	7,039	4.25	4,764	2.88	11,837	7.15	165,769	331,014,532
SAND AND GRAVEL-----	10	.03	1,495	4.28	854	2.44	2,359	6.75	43,268	69,902,312
GRAND TOTAL-----	44	.02	8,534	4.26	5,618	2.80	14,196	7.08	209,037	400,916,844

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

TABLE REFERENCE GUIDE (CONTRACTOR DATA)

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

To use this guide, read down or across the elements listed in both the stub and column headings to determine which combinations are of interest. For example, lost workdays by work location appear in 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	Number of occupational illnesses
Prior year data with and without office ^{1/}	1	1	1		1	1	1	1	1	1		
Work location	2	2	2			2	2	2	2	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		
	5			5	5							
	7			7	7							
State	13										13	
				14							14	
												21
Part of body injured	8	8	8									
	9			9	9							
	12			12	12							
Nature of injury	19			19	19							
	10	10	10									
	11			11	11							
Occupation at time of injury	12			12	12							
	20			20	20							
	17			17	17							
Accident classification	18			18	18							
	19			19	19							
	20			20	20							
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, 1990

	EXCLUDING OFFICEWORKERS					INCLUDING OFFICEWORKERS				
	1986	1987	1988	1989	1990	1986	1987	1988	1989	1990
NUMBER OF INJURIES:										
FATAL-----	3	5	9	6	7	3	5	9	6	7
NFDL-----	253	272	248	338	403	254	275	250	341	406
TOTAL LWD INJURIES-----	256	277	257	344	410	257	280	259	347	413
NDL-----	64	138	118	173	136	65	139	119	176	137
TOTAL INJURIES-----	320	415	375	517	546	322	419	378	523	550
INCIDENCE RATES:										
FATAL-----	.04	.07	.12	.06	.07	.04	.07	.11	.06	.06
NFDL-----	3.62	3.83	3.24	3.53	3.75	3.44	3.66	3.00	3.22	3.52
ALL LWD INJURIES-----	3.66	3.90	3.35	3.59	3.82	3.48	3.73	3.11	3.27	3.58
NDL-----	.91	1.95	1.54	1.80	1.27	.88	1.85	1.43	1.66	1.19
ALL INJURIES-----	4.57	5.85	4.89	5.39	5.08	4.36	5.57	4.54	4.93	4.76
SEVERITY MEASURES:										
FATAL-----	257	423	705	376	391	244	399	648	340	364
NFDL-----	244	143	205	153	349	231	136	189	139	326
ALL LWD INJURIES-----	501	566	910	528	740	475	535	838	478	689
AVERAGE SEVERITY:										
PERMANENT PARTIAL-----	332	489	870	1,058	1,290	332	489	870	1,058	1,290
TEMPORARY NFDL-----	33	25	30	25	36	33	25	29	25	35
ALL LWD INJURIES-----	137	145	271	147	194	136	144	269	146	193
AVERAGE NUMBER OF EMPLOYEES----	12,269	12,915	13,906	17,599	20,752	12,931	13,786	15,133	19,522	22,120
EMPLOYEE-HOURS WORKED-----	13,997,187	14,188,883	15,329,994	19,171,582	21,489,025	14,777,274	15,032,184	16,657,770	21,204,119	23,099,529
PRODUCTION (SHORT TONS)-----	8,790,604	5,954,957	4,923,294	3,199,366	1,419,409	8,790,604	5,954,957	4,923,294	3,199,366	1,419,409
NUMBER OF CONTRACTORS-----	1,266	1,427	1,531	1,802	2,099	1,413	1,586	1,737	2,036	2,376

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, 1990

WORK LOCATION	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF WORK LOCA- TIONS	PRODUCTION (SHORT TONS)
	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																	
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-----	- 3 3 3 3 - - - - 3 6 - 1 7 - - - 7 - 7 7	- 1 1 1 - - - - 7 1 - 1 2 - - 2 - 2	- 1 1 1 7 - - - - 7 8 - 1 9 - - 9	104 56 160 126 4 1 - 131 291 1 300 - 100 392 3 406	104 58 162 133 4 1 - 138 306 102 403 - 102 403 3 413	104 61 165 136 4 1 - 141 306 103 410 3 413	13 19 32 54 2 - - 56 88 - 48 136 1 - - 137	117 80 197 190 6 1 - 197 394 1 546 4 - 550	18 12 12 05 - - - 05 07 - 04 07 - - 06	11.87 3.42 6.30 2.32 3.85 1.56 - 2.34 3.54 99.99 4.51 3.75 .37 3.52	11.87 3.60 6.42 2.38 3.85 1.56 - 2.39 3.61 99.99 4.55 3.82 .37 3.58	1.48 1.12 1.24 .94 1.92 - - .95 1.04 - 2.12 1.27 .12 1.19	13.35 4.72 7.66 3.32 5.77 1.56 - 3.33 4.65 99.99 6.67 5.08 .50 4.76	- 1,062 700 314 - - - 305 425 - 265 391 - 364	328 540 468 265 133 86 - 260 323 5,929 447 349 7 326	328 1,603 1,168 580 133 86 - 565 748 5,929 712 740 7 689	1.787 3.877 5.664 9.979 258 154 33,522 10,441 16,105 5 4,642 20,752 1,368 22,120	1,752,571 3,388,349 5,140,920 11,449,454 207,954 128,478 33,522 11,819,408 16,960,328 506 4,528,191 21,489,025 1,610,504 23,099,529	212 652 864 1,349 68 35 13 1,465 2,329 2 533 2,864 277 3,141	105,156 - 105,156 501,368 465,904 346,981 - 1,314,253 1,419,409 - - 1,419,409 - 1,419,409

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, 1990

WORK LOCATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO-RARY	TOTAL NFDL					PERMANENT		TEMPO-RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:	-	-	-	104	104	104	13	117	-	-	-	2,877	2,877	2,877	-	28	28
UNDERGROUND-----	-	-	-	104	104	104	13	117	-	-	-	2,877	2,877	2,877	-	28	28
SURFACE AT UNDERGROUND----	3	1	1	56	58	61	19	80	18,000	6,000	50	3,100	9,150	27,150	50	55	445
TOTAL OR AVERAGE-----	3	1	1	160	162	165	32	197	18,000	6,000	50	5,977	12,027	30,027	50	37	182
SURFACE MINES:	-	-	-	126	133	136	54	190	-	-	-	-	-	-	-	-	-
STRIP-----	3	-	7	126	133	136	54	190	18,000	-	11,510	3,680	15,190	33,190	1,644	29	244
AUGER-----	-	-	-	4	4	4	2	6	-	-	-	138	138	138	-	34	34
CULM BANK-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55
DREDGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, SURFACE MINES-----	3	-	7	131	138	141	56	197	18,000	-	11,510	3,873	15,383	33,383	1,644	30	237
TOTAL OR AVERAGE, MINING-----	6	1	8	291	300	306	88	394	36,000	6,000	11,560	9,850	27,410	63,410	1,445	34	207
INDEPENDENT SHOPS-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15
PROCESSING PLANTS-----	1	1	1	100	102	103	48	151	6,000	6,000	50	4,064	10,114	16,114	50	41	156
TOTAL OR AVERAGE, ALL MINES AND PLANTS-----	7	2	9	392	403	410	136	546	42,000	12,000	11,610	13,929	37,539	79,539	1,290	36	194
OFFICE-----	-	-	-	3	3	3	1	4	-	-	-	56	56	56	-	19	19
GRAND TOTAL OR AVERAGE-----	7	2	9	395	406	413	137	550	42,000	12,000	11,610	13,985	37,595	79,595	1,290	35	193

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, 1990

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF WORK LOCA- TIONS	PRODUCTION (SHORT TONS)
	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																	
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																				
1 - 4-----	2	1	-	15	16	18	2	20	.60	4.80	5.40	.60	6.00	3,598	2,100	5,698	1,045	667,061	505	1,300
5 - 9-----	-	-	-	8	8	8	2	10	-	2.27	2.27	.57	2.84	-	66	66	825	704,260	126	3,401
10 - 19-----	-	-	1	17	18	18	5	23	-	6.23	6.23	1.73	7.97	-	232	232	725	577,425	58	21,102
20 - 34-----	-	-	-	26	26	26	2	28	-	5.85	5.85	.45	6.30	-	207	207	897	889,297	36	79,353
35 - 49-----	-	-	-	16	16	16	13	29	-	3.54	3.54	2.87	6.41	-	148	148	712	904,797	17	-
50 - 99-----	1	-	-	44	44	45	6	51	23	9.93	10.15	1.35	11.51	1,354	353	1,707	772	886,499	12	-
100 - 149-----	-	-	-	34	34	34	2	36	-	14.10	14.10	.83	14.93	-	400	400	385	482,336	3	-
250 OR MORE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	303	29,245	1	-
TOTAL OR AVERAGE-----	3	1	1	160	162	165	32	197	.12	6.30	6.42	1.24	7.66	700	468	1,168	5,664	5,140,920	758	105,156
SURFACE MINES:																				
STRIP:																				
1 - 4-----	1	-	1	10	11	12	9	21	.15	1.64	1.79	1.34	3.13	895	63	958	1,690	1,341,300	852	80,466
5 - 9-----	1	-	1	26	27	28	7	35	.13	3.49	3.61	.90	4.52	774	501	1,275	1,608	1,549,445	247	103,575
10 - 19-----	1	-	2	24	26	27	12	39	.09	2.29	2.38	1.06	3.44	529	419	948	1,908	2,267,821	142	114,934
20 - 34-----	-	-	3	27	30	30	9	39	-	2.61	2.61	.78	3.39	-	480	480	1,664	2,300,658	64	1,273
35 - 49-----	-	-	-	8	8	8	-	8	-	1.65	1.65	-	1.65	-	21	21	781	968,586	19	201,120
50 - 99-----	-	-	-	22	22	22	9	31	-	2.88	2.88	1.18	4.06	-	42	42	1,018	1,527,926	15	-
100 - 149-----	-	-	-	9	9	9	7	16	-	1.40	1.40	1.09	2.49	-	30	30	957	1,287,679	8	-
150 - 249-----	-	-	-	-	-	-	1	1	-	-	-	.97	.97	-	-	-	353	206,039	2	-
TOTAL OR AVERAGE-----	3	-	7	126	133	136	54	190	.05	2.32	2.38	.94	3.32	314	265	580	9,979	11,449,454	1,349	501,368
AUGER:																				
1 - 4-----	-	-	-	3	3	3	1	4	-	9.05	9.05	3.02	12.07	-	115	115	114	66,292	50	207,439
5 - 9-----	-	-	-	1	1	1	1	2	-	2.42	2.42	2.42	4.85	-	242	242	79	82,498	13	170,171
10 - 19-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	59,164	5	88,294
TOTAL OR AVERAGE-----	-	-	-	4	4	4	2	6	-	3.85	3.85	1.92	5.77	-	133	133	258	207,954	68	465,904
CULM BANK:																				
1 - 4-----	-	-	-	1	1	1	-	1	-	5.18	5.18	-	5.18	-	285	285	50	38,621	25	235,301
5 - 9-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	28,769	7	-
10 - 19-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	60,911	2	111,680
20 - 34-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	177	1	-
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	1.56	1.56	-	1.56	-	86	86	154	128,478	35	346,981
DREDGE:																				
1 - 4-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	11,302	10	-
5 - 9-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1,982	1	-
10 - 19-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	20,238	2	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	33,522	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, 1990 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF WORK LOCA- TIONS	PRODUCTION (SHORT TONS)
	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:																				
1 - 4-----	1	-	1	14	15	16	10	26	.14	2.06	2.20	1.37	3.57	823	71	894	1,872	1,457,515	937	523,206
5 - 9-----	1	-	1	27	28	29	8	37	.12	3.37	3.49	.96	4.45	722	479	1,201	1,748	1,662,694	268	273,746
10 - 19-----	1	-	2	24	26	27	12	39	.08	2.16	2.24	1.00	3.24	498	395	893	2,028	2,408,134	151	314,908
20 - 34-----	-	-	3	27	30	30	9	39	-	2.61	2.61	.78	3.39	-	479	479	1,684	2,300,835	65	1,273
35 - 49-----	-	-	-	8	8	8	-	8	-	1.65	1.65	-	1.65	-	21	21	781	968,586	19	201,120
50 - 99-----	-	-	-	22	22	22	9	31	-	2.88	2.88	1.18	4.06	-	42	42	1,018	1,527,926	15	-
100 - 149-----	-	-	-	9	9	9	7	16	-	1.40	1.40	1.09	2.49	-	30	30	957	1,287,679	8	-
150 - 249-----	-	-	-	-	-	-	1	1	-	-	-	.97	.97	-	-	-	353	206,039	2	-
TOTAL OR AVERAGE-----	3	-	7	131	138	141	56	197	.05	2.34	2.39	.95	3.33	305	260	565	10,441	11,819,408	1,465	1,314,253
TOTAL OR AVERAGE, MINING:																				
1 - 4-----	3	1	1	29	31	34	12	46	.28	2.92	3.20	1.13	4.33	1,694	708	2,402	2,917	2,124,576	1,442	524,506
5 - 9-----	1	-	1	35	36	37	10	47	.08	3.04	3.13	.84	3.97	507	356	863	2,573	2,366,954	394	277,147
10 - 19-----	1	-	3	41	44	45	17	62	.07	2.95	3.01	1.14	4.15	402	363	765	2,753	2,985,559	209	336,010
20 - 34-----	-	-	3	53	56	56	11	67	-	3.51	3.51	.69	4.20	-	403	403	2,581	3,190,132	101	80,626
35 - 49-----	-	-	-	24	24	24	13	37	-	2.56	2.56	1.39	3.95	-	83	83	1,493	1,873,383	36	201,120
50 - 99-----	1	-	-	66	66	67	15	82	.08	5.47	5.55	1.24	6.79	497	156	653	1,790	2,414,425	27	-
100 - 149-----	-	-	-	43	43	43	9	52	-	4.86	4.86	1.02	5.88	-	131	131	1,342	1,770,015	11	-
150 - 249-----	-	-	-	-	-	-	1	1	-	-	-	.97	.97	-	-	-	353	206,039	2	-
250 OR MORE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	303	29,245	1	-
TOTAL OR AVERAGE-----	6	1	8	291	300	306	88	394	.07	3.54	3.61	1.04	4.65	425	323	748	16,105	16,960,328	2,223	1,419,409
INDEPENDENT SHOPS:																				
1 - 4-----	-	-	-	1	1	1	-	1	-	99.99	99.99	-	99.99	-	5,929	5,929	5	506	2	-
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	99.99	99.99	-	99.99	-	5,929	5,929	5	506	2	-
PROCESSING PLANTS:																				
1 - 4-----	-	-	-	13	13	13	4	17	-	7.46	7.46	2.29	9.75	-	221	221	611	348,643	298	-
5 - 9-----	-	-	-	13	13	13	3	16	-	4.99	4.99	1.15	6.14	-	221	221	625	521,446	97	-
10 - 19-----	1	-	-	24	24	25	12	37	.17	4.17	4.35	2.09	6.43	1,043	168	1,212	1,155	1,150,048	88	-
20 - 34-----	-	-	-	10	10	10	8	18	-	2.61	2.61	2.09	4.70	-	51	51	738	765,454	29	-
35 - 49-----	-	-	1	27	28	28	10	38	-	8.19	8.19	2.93	11.12	-	458	394	683,592	394	10	-
50 - 99-----	-	1	-	7	8	8	6	14	-	3.24	3.24	2.43	5.67	-	2,586	2,586	512	493,955	7	-
100 - 149-----	-	-	-	6	6	6	4	10	-	4.64	4.64	3.10	7.74	-	27	27	227	258,379	2	-
150 - 249-----	-	-	-	-	-	-	1	1	-	-	-	.65	.65	-	-	-	380	306,674	2	-
TOTAL OR AVERAGE-----	1	1	1	100	102	103	48	151	.04	4.51	4.55	2.12	6.67	265	447	712	4,642	4,528,191	533	-

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, 1990 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF WORK LOCA- TIONS	PRODUCTION (SHORT TONS)	
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES														
		PERMANENT		TEMPO- RARY				TOTAL NFDL													
		TOTAL	PARTIAL																		
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																					
1 - 4	3	1	1	43	45	48	16	64	.24	3.64	3.88	1.29	5.17	1.455	640	2.096	3.533	2,473,725	1,742	524,506	
5 - 9	1	-	1	48	49	50	13	63	.07	3.39	3.46	.90	4.36	.415	332	.747	3.198	2,888,400	491	277,147	
10 - 19	2	-	3	65	68	70	29	99	.10	3.29	3.39	1.40	4.79	.580	309	.889	3.908	4,135,607	297	336,010	
20 - 34	-	-	3	63	66	66	19	85	-	3.34	3.34	.96	4.30	-	335	.335	3.319	3,955,586	130	80,626	
35 - 49	-	-	1	51	52	52	23	75	-	4.07	4.07	1.80	5.87	-	183	.183	1.887	2,556,975	46	201,120	
50 - 99	1	1	-	73	74	75	21	96	.07	5.09	5.16	1.44	6.60	.413	569	.982	2.302	2,908,380	34	-	
100 - 149	-	-	-	49	49	49	13	62	-	4.83	4.83	1.28	6.11	-	118	.118	1.569	2,028,394	13	-	
150 - 249	-	-	-	-	-	-	2	2	-	-	-	.78	.78	-	-	-	.733	512,713	4	-	
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.303	29,245	1	-	
TOTAL OR AVERAGE-----	7	2	9	392	403	410	136	546	.07	3.75	3.82	1.27	5.08	.391	.349	.740	20,752	21,489,025	2,758	1,419,409	
OFFICE:																					
1 - 4	-	-	-	-	-	-	1	1	-	-	-	.63	.63	-	-	-	.377	318,652	223	-	
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.166	156,131	27	-	
10 - 19	-	-	-	3	3	3	-	3	-	2.95	2.95	-	2.95	-	55	.55	.206	203,488	16	-	
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.152	261,703	6	-	
50 - 99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.287	437,736	4	-	
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.180	232,794	1	-	
TOTAL OR AVERAGE-----	-	-	-	3	3	3	1	4	-	.37	.37	.12	.50	-	.7	.7	1,368	1,610,504	277	-	
GRAND TOTAL OR AVERAGE:																					
1 - 4	3	1	1	43	45	48	17	65	.21	3.22	3.44	1.22	4.66	1.289	567	1.857	3.910	2,792,377	1,965	524,506	
5 - 9	1	-	1	48	49	50	13	63	.07	3.22	3.28	.85	4.14	.394	315	.709	3.364	3,044,531	518	277,147	
10 - 19	2	-	3	68	71	73	29	102	.09	3.27	3.36	1.34	4.70	.553	297	.850	4.114	4,339,095	313	336,010	
20 - 34	-	-	3	63	66	66	19	85	-	3.13	3.13	.90	4.03	-	315	.315	3.471	4,217,289	136	80,626	
35 - 49	-	-	1	51	52	52	23	75	-	4.07	4.07	1.80	5.87	-	183	.183	1.887	2,556,975	46	201,120	
50 - 99	1	1	-	73	74	75	21	96	.06	4.42	4.48	1.26	5.74	.359	494	.853	2.589	3,346,116	38	-	
100 - 149	-	-	-	49	49	49	13	62	-	4.83	4.83	1.28	6.11	-	118	.118	1.569	2,028,394	13	-	
150 - 249	-	-	-	-	-	-	2	2	-	-	-	.54	.54	-	-	-	.913	745,507	5	-	
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.303	29,245	1	-	
TOTAL OR AVERAGE-----	7	2	9	395	406	413	137	550	.06	3.52	3.58	1.19	4.76	.364	.326	.689	22,120	23,099,529	3,035	1,419,409	

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, 1990

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																	
1 - 4-----	2	1	-	15	16	18	2	20	12,000	6,000	-	1,005	7,005	19,005	-	67	1,056
5 - 9-----	-	-	-	8	8	8	2	10	-	-	-	231	231	231	-	29	29
10 - 19-----	-	-	1	17	18	18	5	23	-	-	50	620	670	670	50	36	37
20 - 34-----	-	-	-	26	26	26	2	28	-	-	-	920	920	920	-	35	35
35 - 49-----	-	-	-	16	16	16	13	29	-	-	-	670	670	670	-	42	42
50 - 99-----	1	-	-	44	44	45	6	51	6,000	-	-	1,566	1,566	7,566	-	36	168
100 - 149-----	-	-	-	34	34	34	2	36	-	-	-	965	965	965	-	28	28
TOTAL OR AVERAGE-----	3	1	1	160	162	165	32	197	18,000	6,000	50	5,977	12,027	30,027	50	37	182
SURFACE MINES:																	
STRIP:																	
1 - 4-----	1	-	1	10	11	12	9	21	6,000	-	50	373	423	6,423	50	37	535
5 - 9-----	1	-	1	26	27	28	7	35	6,000	-	3,000	881	3,881	9,881	3,000	34	353
10 - 19-----	1	-	2	24	26	27	12	39	6,000	-	3,600	1,153	4,753	10,753	1,800	48	398
20 - 34-----	-	-	3	27	30	30	9	39	-	-	4,860	656	5,516	5,516	1,620	24	184
35 - 49-----	-	-	-	8	8	8	-	8	-	-	-	104	104	104	-	13	13
50 - 99-----	-	-	-	22	22	22	9	31	-	-	-	321	321	321	-	15	15
100 - 149-----	-	-	-	9	9	9	7	16	-	-	-	192	192	192	-	21	21
150 - 249-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	3	-	7	126	133	136	54	190	18,000	-	11,510	3,680	15,190	33,190	1,644	29	244
AUGER:																	
1 - 4-----	-	-	-	3	3	3	1	4	-	-	-	38	38	38	-	13	13
5 - 9-----	-	-	-	1	1	1	1	2	-	-	-	100	100	100	-	100	100
TOTAL OR AVERAGE-----	-	-	-	4	4	4	2	6	-	-	-	138	138	138	-	34	34
CULM BANK:																	
1 - 4-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55
TOTAL OR AVERAGE, SURFACE:																	
1 - 4-----	1	-	1	14	15	16	10	26	6,000	-	50	466	516	6,516	50	33	407
5 - 9-----	1	-	1	27	28	29	8	37	6,000	-	3,000	981	3,981	9,981	3,000	36	344
10 - 19-----	1	-	2	24	26	27	12	39	6,000	-	3,600	1,153	4,753	10,753	1,800	48	398
20 - 34-----	-	-	3	27	30	30	9	39	-	-	4,860	656	5,516	5,516	1,620	24	184
35 - 49-----	-	-	-	8	8	8	-	8	-	-	-	104	104	104	-	13	13
50 - 99-----	-	-	-	22	22	22	9	31	-	-	-	321	321	321	-	15	15
100 - 149-----	-	-	-	9	9	9	7	16	-	-	-	192	192	192	-	21	21
150 - 249-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	3	-	7	131	138	141	56	197	18,000	-	11,510	3,873	15,383	33,383	1,644	30	237

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, 1990 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE, MINING:																	
1 - 4-----	3	1	1	29	31	34	12	46	18,000	6,000	50	1,471	7,521	25,521	50	51	751
5 - 9-----	1	-	1	35	36	37	10	47	6,000	-	3,000	1,212	4,212	10,212	3,000	35	276
10 - 19-----	1	-	3	41	44	45	17	62	6,000	-	3,650	1,773	5,423	11,423	1,217	43	254
20 - 34-----	-	-	3	53	56	56	11	67	-	-	4,860	1,576	6,436	6,436	1,620	30	115
35 - 49-----	-	-	-	24	24	24	13	37	-	-	-	774	774	774	-	32	32
50 - 99-----	1	-	-	66	66	67	15	82	6,000	-	-	1,887	1,887	7,887	-	29	118
100 - 149-----	-	-	-	43	43	43	9	52	-	-	-	1,157	1,157	1,157	-	27	27
150 - 249-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	6	1	8	291	300	306	88	394	36,000	6,000	11,560	9,850	27,410	63,410	1,445	34	207
INDEPENDENT SHOPS:																	
1 - 4-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15
PROCESSING PLANTS:																	
1 - 4-----	-	-	-	13	13	13	4	17	-	-	-	386	386	386	-	30	30
5 - 9-----	-	-	-	13	13	13	3	16	-	-	-	577	577	577	-	44	44
10 - 19-----	1	-	-	24	24	25	12	37	6,000	-	-	968	968	6,968	-	40	279
20 - 34-----	-	-	-	10	10	10	8	18	-	-	-	196	196	196	-	20	20
35 - 49-----	-	-	1	27	28	28	10	38	-	-	50	1,516	1,566	1,566	50	56	56
50 - 99-----	-	1	-	7	8	8	6	14	-	6,000	-	386	6,386	6,386	-	55	798
100 - 149-----	-	-	-	6	6	6	4	10	-	-	-	35	35	35	-	6	6
150 - 249-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	1	1	1	100	102	103	48	151	6,000	6,000	50	4,064	10,114	16,114	50	41	156
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																	
1 - 4-----	3	1	1	43	45	48	16	64	18,000	6,000	50	1,872	7,922	25,922	50	44	540
5 - 9-----	1	-	1	48	49	50	13	63	6,000	-	3,000	1,789	4,789	10,789	3,000	37	216
10 - 19-----	2	-	3	65	68	70	29	99	12,000	-	3,650	2,741	6,391	18,391	1,217	42	263
20 - 34-----	-	-	3	63	66	66	19	85	-	-	4,860	1,772	6,632	6,632	1,620	28	100
35 - 49-----	-	-	1	51	52	52	23	75	-	-	50	2,290	2,340	2,340	50	45	45
50 - 99-----	1	1	-	73	74	75	21	96	6,000	6,000	-	2,273	8,273	14,273	-	31	190
100 - 149-----	-	-	-	49	49	49	13	62	-	-	-	1,192	1,192	1,192	-	24	24
150 - 249-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	7	2	9	392	403	410	136	546	42,000	12,000	11,610	13,929	37,539	79,539	1,290	36	194
OFFICE:																	
1 - 4-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
10 - 19-----	-	-	-	3	3	3	-	3	-	-	-	56	56	56	-	19	19
TOTAL OR AVERAGE-----	-	-	-	3	3	3	1	4	-	-	-	56	56	56	-	19	19

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, 1990 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE:	3	1	1	43	45	48	17	65	18,000	6,000	50	1,872	7,922	25,922	50	44	540
1 - 4-----	1	-	1	48	49	50	13	63	6,000	-	3,000	1,789	4,789	10,789	3,000	37	216
5 - 9-----	2	-	3	68	71	73	29	102	12,000	-	3,650	2,797	6,447	18,447	1,217	41	253
10 - 19-----	-	-	3	63	66	66	19	85	-	-	4,860	1,772	6,632	6,632	1,620	28	100
20 - 34-----	-	-	1	51	52	52	23	75	-	-	50	2,290	2,340	2,340	50	45	45
35 - 49-----	1	1	-	73	74	75	21	96	6,000	6,000	-	2,273	8,273	14,273	-	31	190
50 - 99-----	-	-	-	49	49	49	13	62	-	-	-	1,192	1,192	1,192	-	24	24
100 - 149-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
150 - 249-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	7	2	9	395	406	413	137	550	42,000	12,000	11,610	13,985	37,595	79,595	1,290	35	193

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, 1990

WORK LOCATION AND STATE	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
UNDERGROUND MINES:																	
UNDERGROUND:																	
ALABAMA-----	-	-	-	11	11	11	1	12	-	-	-	247	247	247	-	22	22
COLORADO-----	-	-	-	4	4	4	5	9	-	-	-	387	387	387	-	97	97
ILLINOIS-----	-	-	-	7	7	7	1	8	-	-	-	45	45	45	-	6	6
KENTUCKY-----	-	-	-	20	20	20	2	22	-	-	-	582	582	582	-	29	29
OHIO-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
PENNSYLVANIA:																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	3	3	3	-	3	-	-	-	184	184	184	-	61	61
ALL COAL-----	-	-	-	3	3	3	-	3	-	-	-	184	184	184	-	61	61
UTAH-----	-	-	-	19	19	19	1	20	-	-	-	342	342	342	-	18	18
VIRGINIA-----	-	-	-	8	8	8	2	10	-	-	-	126	126	126	-	16	16
WEST VIRGINIA-----	-	-	-	30	30	30	1	31	-	-	-	935	935	935	-	31	31
WYOMING-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
TOTAL OR AVERAGE:																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	104	104	104	13	117	-	-	-	2,877	2,877	2,877	-	28	28
ALL COAL-----	-	-	-	104	104	104	13	117	-	-	-	2,877	2,877	2,877	-	28	28
SURFACE AT UNDERGROUND:																	
ALABAMA-----	-	-	-	2	2	2	-	2	-	-	-	9	9	9	-	4	4
COLORADO-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
KENTUCKY-----	1	-	-	8	8	9	1	10	6,000	-	-	226	226	6,226	-	28	692
MARYLAND-----	-	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
NEW MEXICO-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
OHIO-----	-	-	-	1	1	1	-	1	-	-	-	270	270	270	-	270	270
PENNSYLVANIA:																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	7	7	7	1	8	-	-	-	451	451	451	-	64	64
ALL COAL-----	-	-	-	7	7	7	1	8	-	-	-	451	451	451	-	64	64
VIRGINIA-----	-	-	-	10	10	10	4	14	-	-	-	306	306	306	-	31	31
WEST VIRGINIA-----	2	1	1	26	28	30	11	41	12,000	6,000	50	1,832	7,882	19,882	50	70	663
WYOMING-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	3	1	1	56	58	61	19	80	18,000	6,000	50	3,100	9,150	27,150	50	55	445
ALL COAL-----	3	1	1	56	58	61	19	80	18,000	6,000	50	3,100	9,150	27,150	50	55	445

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE, UG:	-	-	-	13	13	13	1	14	-	-	-	256	256	256	-	20	20
ALABAMA	-	-	-	5	5	5	5	10	-	-	-	388	388	388	-	78	78
COLORADO	-	-	-	7	7	7	1	8	-	-	-	45	45	45	-	6	6
ILLINOIS	-	-	-	28	28	29	3	32	6,000	-	-	808	808	6,808	-	29	235
KENTUCKY	1	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
MARYLAND	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	2	2	2	-	2	-	-	-	271	271	271	-	136	136
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	10	10	10	1	11	-	-	-	635	635	635	-	64	64
ALL COAL	-	-	-	10	10	10	1	11	-	-	-	635	635	635	-	64	64
UTAH	-	-	-	19	19	19	1	20	-	-	-	342	342	342	-	18	18
VIRGINIA	-	-	-	18	18	18	6	24	-	-	-	432	432	432	-	24	24
WEST VIRGINIA	2	1	1	56	58	60	12	72	12,000	6,000	50	2,767	8,817	20,817	50	49	347
WYOMING	-	-	-	1	1	1	1	2	-	-	-	28	28	28	-	28	28
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	3	1	1	160	162	165	32	197	18,000	6,000	50	5,977	12,027	30,027	50	37	182
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	3	1	1	160	162	165	32	197	18,000	6,000	50	5,977	12,027	30,027	50	37	182
SURFACE MINES:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SIRIP:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	2	2	2	-	2	-	-	-	9	9	9	-	4	4
COLORADO	-	-	1	1	1	1	-	1	-	-	50	-	50	50	50	-	50
INDIANA	1	-	1	3	4	5	3	8	6,000	-	1,800	42	1,842	7,842	1,800	14	1,568
KENTUCKY	1	-	1	17	18	19	3	22	6,000	-	3,000	376	3,376	9,376	3,000	22	493
LOUISIANA	-	-	-	5	5	5	-	5	-	-	-	74	74	74	-	15	15
MISSOURI	-	-	-	1	1	1	3	4	-	-	-	48	48	48	-	48	48
NEW MEXICO	-	-	-	4	4	4	-	4	-	-	-	49	49	49	-	12	12
NORTH DAKOTA	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1
OHIO	1	-	-	3	3	4	1	5	6,000	-	-	13	13	6,013	-	4	1,503
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	1	12	13	13	2	15	-	1,800	-	451	2,251	2,251	1,800	38	173
ALL COAL	-	-	1	12	13	13	2	15	-	1,800	-	451	2,251	2,251	1,800	38	173
TEXAS	-	-	-	40	40	40	24	64	-	-	-	677	677	-	-	17	17
VIRGINIA	-	-	-	3	3	3	3	3	-	-	-	17	17	17	-	6	6
WEST VIRGINIA	-	-	-	26	26	26	5	31	-	-	-	1,794	1,794	1,794	-	69	69
WYOMING	-	-	3	9	12	12	11	23	-	-	4,860	129	4,989	4,989	1,620	14	416
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	3	-	7	126	133	136	54	190	18,000	-	11,510	3,680	15,190	33,190	1,644	29	244
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	3	-	7	126	133	136	54	190	18,000	-	11,510	3,680	15,190	33,190	1,644	29	244

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
AUGER:																	
ALABAMA-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
MARYLAND-----	-	-	-	1	1	1	-	1	-	-	-	100	100	100	-	100	100
PENNSYLVANIA:																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	1	1	1	2	3	-	-	-	17	17	17	-	17	17
ALL COAL-----	-	-	-	1	1	1	2	3	-	-	-	17	17	17	-	17	17
WEST VIRGINIA-----	-	-	-	1	1	1	-	1	-	-	-	19	19	19	-	19	19
TOTAL OR AVERAGE:																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	4	4	4	2	6	-	-	-	138	138	138	-	34	34
ALL COAL-----	-	-	-	4	4	4	2	6	-	-	-	138	138	138	-	34	34
CULM BANK:																	
WEST VIRGINIA-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55
TOTAL OR AVERAGE:																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55
ALL COAL-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55
TOTAL OR AVERAGE, SURFACE:																	
ALABAMA-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
ARIZONA-----	-	-	-	2	2	2	-	2	-	-	-	9	9	9	-	4	4
COLORADO-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	50	-	50
INDIANA-----	1	-	1	3	4	5	3	8	6,000	-	1,800	42	1,842	7,842	1,800	14	1,568
KENTUCKY-----	1	-	1	17	18	19	3	22	6,000	-	3,000	376	3,376	9,376	3,000	22	493
LOUISIANA-----	-	-	-	5	5	5	-	5	-	-	-	74	74	74	-	15	15
MARYLAND-----	-	-	-	1	1	1	-	1	-	-	-	100	100	100	-	100	100
MISSOURI-----	-	-	-	1	1	1	3	4	-	-	-	48	48	48	-	48	48
NEW MEXICO-----	-	-	-	4	4	4	-	4	-	-	-	49	49	49	-	12	12
NORTH DAKOTA-----	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1
OHIO-----	1	-	-	3	3	4	1	5	6,000	-	-	13	13	6,013	-	4	1,503
PENNSYLVANIA:																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	1	13	14	14	4	18	-	-	1,800	468	2,268	2,268	1,800	36	162
ALL COAL-----	-	-	1	13	14	14	4	18	-	-	1,800	468	2,268	2,268	1,800	36	162
TEXAS-----	-	-	-	40	40	40	24	64	-	-	-	677	677	677	-	17	17
VIRGINIA-----	-	-	-	3	3	3	-	3	-	-	-	17	17	17	-	6	6
WEST VIRGINIA-----	-	-	-	28	28	28	5	33	-	-	-	1,868	1,868	1,868	-	67	67
WYOMING-----	-	-	3	9	12	12	11	23	-	-	4,860	129	4,989	4,989	1,620	14	416
TOTAL OR AVERAGE:																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	3	-	7	131	138	141	56	197	18,000	-	11,510	3,873	15,383	33,383	1,644	30	237
ALL COAL-----	3	-	7	131	138	141	56	197	18,000	-	11,510	3,873	15,383	33,383	1,644	30	237

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, MINING:	-	-	-	14	14	14	1	15	-	-	-	258	258	258	-	18	18
ALABAMA-----	-	-	-	2	2	2	2	2	-	-	-	9	9	9	-	4	4
ARIZONA-----	-	-	1	5	6	6	5	11	-	-	50	388	438	438	50	78	73
COLORADO-----	-	-	-	7	7	7	1	8	-	-	-	45	45	45	-	6	6
ILLINOIS-----	1	-	1	3	4	5	3	8	6,000	-	1,800	42	1,842	7,842	1,800	14	1,568
INDIANA-----	2	-	1	45	46	48	6	54	12,000	-	3,000	1,184	4,184	16,184	3,000	26	337
KENTUCKY-----	-	-	-	5	5	5	-	5	-	-	-	74	74	74	-	15	15
LOUISIANA-----	-	-	-	2	2	2	-	2	-	-	-	105	105	105	-	52	52
MARYLAND-----	-	-	-	1	1	1	3	4	-	-	-	48	48	48	-	48	48
MISSOURI-----	-	-	-	4	4	4	1	5	-	-	-	49	49	49	-	12	12
NEW MEXICO-----	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1
NORTH DAKOTA-----	1	-	-	5	5	6	1	7	6,000	-	-	284	284	6,284	-	57	1,047
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	1	23	24	24	5	29	-	-	1,800	1,103	2,903	2,903	1,800	48	121
ALL COAL-----	-	-	1	23	24	24	5	29	-	-	1,800	1,103	2,903	2,903	1,800	48	121
TEXAS-----	-	-	-	40	40	40	24	64	-	-	-	677	677	677	-	17	17
UTAH-----	-	-	-	19	19	19	1	20	-	-	-	342	342	342	-	18	18
VIRGINIA-----	-	-	-	21	21	21	6	27	-	-	-	449	449	449	-	21	21
WEST VIRGINIA-----	2	1	1	84	86	88	17	105	12,000	6,000	50	4,635	10,685	22,685	50	55	258
WYOMING-----	-	-	3	10	13	13	12	25	-	-	4,860	157	5,017	5,017	1,620	16	386
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	6	1	8	291	300	306	88	394	36,000	6,000	11,560	9,850	27,410	63,410	1,445	34	207
ALL COAL-----	6	1	8	291	300	306	88	394	36,000	6,000	11,560	9,850	27,410	63,410	1,445	34	207
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15
ALL COAL-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15
PROCESSING PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALABAMA-----	-	-	-	4	4	4	-	4	-	-	-	25	25	25	-	6	6
ARIZONA-----	-	-	-	1	1	1	-	1	-	-	-	19	19	19	-	19	19
ILLINOIS-----	-	-	-	2	2	2	1	3	-	-	-	198	198	198	-	99	99
KENTUCKY-----	-	-	-	31	31	31	11	42	-	-	-	1,146	1,146	1,146	-	37	37
MARYLAND-----	-	-	-	9	9	9	3	12	-	-	-	226	226	226	-	25	25
NEW MEXICO-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
OHIO-----	-	-	-	1	1	1	-	1	-	-	-	58	58	58	-	58	58
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	4	4	4	1	5	-	-	-	31	31	31	-	8	8
BITUMINOUS-----	-	-	-	5	5	5	3	8	-	-	-	94	94	94	-	19	19
ALL COAL-----	-	-	-	9	9	9	4	13	-	-	-	125	125	125	-	14	14
UTAH-----	-	1	-	2	3	3	5	8	-	6,000	-	13	6,013	6,013	-	6	2,004
VIRGINIA-----	-	-	-	9	9	9	4	13	-	-	-	227	227	227	-	25	25
WEST VIRGINIA-----	1	-	1	31	32	33	10	43	6,000	-	50	2,021	2,071	8,071	50	65	245
WYOMING-----	-	-	-	1	1	1	9	10	-	-	-	6	6	6	-	6	6
TOTAL OR AVERAGE:	-	-	-	4	4	4	1	5	-	-	-	31	31	31	-	8	8
ANTHRACITE-----	1	1	1	96	98	99	47	146	6,000	6,000	50	4,033	10,083	16,083	50	42	162
BITUMINOUS-----	1	1	1	100	102	103	48	151	6,000	6,000	50	4,064	10,114	16,114	50	41	156

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE: ALL MINES AND PLANTS:	-	-	-	18	18	18	1	19	-	-	-	283	283	283	-	16	16
ALABAMA-----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9
ARIZONA-----	-	-	-	5	6	6	5	11	-	-	50	388	438	438	50	78	73
COLORADO-----	-	-	1	9	9	9	2	11	-	-	-	243	243	243	-	27	27
ILLINOIS-----	-	-	-	3	4	5	3	8	-	-	-	42	1,842	7,842	1,800	14	1,568
INDIANA-----	1	-	1	76	77	79	17	96	6,000	-	1,800	2,330	5,330	17,330	3,000	31	219
KENTUCKY-----	2	-	1	5	5	5	-	5	12,000	-	3,000	74	74	74	-	15	15
LOUISIANA-----	-	-	-	11	11	11	3	14	-	-	-	331	331	331	-	30	30
MARYLAND-----	-	-	-	1	1	1	3	4	-	-	-	48	48	48	-	48	48
MISSOURI-----	-	-	-	4	4	4	2	6	-	-	-	49	49	49	-	12	12
NEW MEXICO-----	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1
NORTH DAKOTA-----	-	-	-	6	6	7	1	8	6,000	-	-	342	342	6,342	-	57	906
OHIO-----	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:	-	-	-	4	4	4	1	5	-	-	-	31	31	31	-	8	8
ANTHRACITE-----	-	-	-	28	29	29	8	37	-	-	-	1,197	2,997	2,997	1,800	43	103
BITUMINOUS-----	-	-	1	32	33	33	9	42	-	-	1,800	1,228	3,028	3,028	1,800	38	92
ALL COAL-----	-	-	-	40	40	40	24	64	-	-	-	677	677	-	-	17	17
TEXAS-----	-	-	-	21	22	22	6	28	-	6,000	-	355	6,355	6,355	-	17	289
UTAH-----	-	1	-	31	31	31	10	41	-	-	-	691	691	691	-	22	22
VIRGINIA-----	-	-	-	115	118	121	27	148	18,000	6,000	100	6,656	12,756	30,756	50	58	254
WEST VIRGINIA-----	3	1	2	11	14	14	21	35	-	-	4,860	163	5,023	5,023	1,620	15	359
WYOMING-----	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	4	4	4	1	5	-	-	-	31	31	31	-	8	8
ANTHRACITE-----	7	2	9	388	399	406	135	541	42,000	12,000	11,610	13,898	37,508	79,508	1,290	36	196
BITUMINOUS-----	7	2	9	392	403	410	136	546	42,000	12,000	11,610	13,929	37,539	79,539	1,290	36	194
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
WYOMING-----	-	-	-	3	3	3	-	3	-	-	-	56	56	56	-	19	19
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	3	3	3	1	4	-	-	-	56	56	56	-	19	19
ALL COAL-----	-	-	-	3	3	3	1	4	-	-	-	56	56	56	-	19	19

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE:	-	-	-	18	18	18	1	19	-	-	-	283	283	283	-	16	16
ALABAMA-----	-	-	-	3	3	3	-	3	-	-	-	28	28	28	-	9	9
ARIZONA-----	-	-	-	5	6	6	5	11	-	-	50	388	438	438	50	78	73
COLORADO-----	-	-	1	9	9	9	2	11	-	-	-	243	243	243	-	27	27
ILLINOIS-----	1	-	-	3	4	5	3	8	6,000	-	1,800	42	1,842	7,842	1,800	14	1,568
INDIANA-----	2	-	1	76	77	79	17	96	12,000	-	3,000	2,330	5,330	17,330	3,000	31	219
KENTUCKY-----	-	-	-	5	5	5	-	5	-	-	-	74	74	74	-	15	15
LOUISIANA-----	-	-	-	11	11	11	3	14	-	-	-	331	331	331	-	30	30
MARYLAND-----	-	-	-	1	1	1	3	4	-	-	-	48	48	48	-	48	48
MISSOURI-----	-	-	-	4	4	4	2	6	-	-	-	49	49	49	-	12	12
NEW MEXICO-----	-	-	-	1	1	1	2	3	-	-	-	1	1	1	-	1	1
NORTH DAKOTA-----	1	-	-	6	6	7	1	8	6,000	-	-	342	342	6,342	-	57	906
OHIO-----	-	-	-	4	4	4	1	5	-	-	-	31	31	31	-	8	8
PENNSYLVANIA:	-	-	-	28	29	29	8	37	-	-	1,800	1,197	2,997	2,997	1,800	43	103
ANTHRACITE-----	-	-	1	32	33	33	9	42	-	-	1,800	1,228	3,028	3,028	1,800	38	92
BITUMINOUS-----	-	-	-	40	40	40	24	64	-	-	-	677	677	677	-	17	17
ALL COAL-----	-	-	-	21	22	22	7	29	-	6,000	-	355	6,355	6,355	-	17	289
TEXAS-----	-	1	-	31	31	31	10	41	-	-	-	691	691	691	-	22	22
UTAH-----	3	1	2	115	118	121	27	148	18,000	6,000	100	6,656	12,756	30,756	50	58	254
VIRGINIA-----	-	-	-	14	17	17	21	38	-	-	4,860	219	5,079	5,079	1,620	16	299
WEST VIRGINIA-----	-	-	3	4	4	4	1	5	-	-	-	31	31	31	-	8	8
WYOMING-----	7	2	9	391	402	409	136	545	42,000	12,000	11,610	13,954	37,564	79,564	1,290	36	195
TOTAL OR AVERAGE:	7	2	9	395	406	413	137	550	42,000	12,000	11,610	13,985	37,595	79,595	1,290	35	193
ANTHRACITE-----	-	-	-	4	4	4	1	5	-	-	-	31	31	31	-	8	8
BITUMINOUS-----	7	2	9	391	402	409	136	545	42,000	12,000	11,610	13,954	37,564	79,564	1,290	36	195
ALL COAL-----	7	2	9	395	406	413	137	550	42,000	12,000	11,610	13,985	37,595	79,595	1,290	35	193

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, 1990

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													
UNDERGROUND MINES:																
UNDERGROUND:																
EYE-----	-	-	-	2	2	2	1	3	-	.23	.23	.11	.34	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	3	3	-	-	-	.34	.34	-	-	-
FACE, NEC-----	-	-	-	1	1	1	-	1	-	.11	.11	-	.11	-	1	1
HEAD, NEC-----	-	-	-	6	6	6	2	8	-	.68	.68	.23	.91	-	10	10
NECK-----	-	-	-	5	5	5	1	6	-	.57	.57	.11	.68	-	9	9
ELBOW-----	-	-	-	1	1	1	-	1	-	.11	.11	-	.11	-	1	1
HAND-----	-	-	-	3	3	3	-	3	-	.34	.34	-	.34	-	5	5
FINGER(S)-----	-	-	-	9	9	9	2	11	-	1.03	1.03	.23	1.26	-	32	32
UPPER EXTREMITIES, NEC--	-	-	-	7	7	7	-	7	-	.80	.80	-	.80	-	13	13
ABDOMEN-----	-	-	-	-	-	-	1	1	-	-	-	.11	.11	-	-	-
BACK-----	-	-	-	23	23	23	-	23	-	2.62	2.62	-	2.62	-	106	106
CHEST-----	-	-	-	2	2	2	-	2	-	.23	.23	-	.23	-	9	9
PELVIC REGION-----	-	-	-	3	3	3	1	4	-	.34	.34	.11	.46	-	14	14
SHOULDER(S)-----	-	-	-	3	3	3	-	3	-	.34	.34	-	.34	-	18	18
TRUNK, NEC-----	-	-	-	2	2	2	-	2	-	.23	.23	-	.23	-	16	16
KNEE-----	-	-	-	13	13	13	1	14	-	1.48	1.48	.11	1.60	-	51	51
LOWER LEG-----	-	-	-	1	1	1	-	1	-	.11	.11	-	.11	-	5	5
ANKLE-----	-	-	-	3	3	3	-	3	-	.34	.34	-	.34	-	3	3
FOOT-----	-	-	-	10	10	10	-	10	-	1.14	1.14	-	1.14	-	14	14
LOWER EXTREMITIES, NEC--	-	-	-	2	2	2	-	2	-	.23	.23	-	.23	-	4	4
BODY SYSTEMS-----	-	-	-	1	1	1	-	1	-	.11	.11	-	.11	-	(*)	(*)
MULTIPLE PARTS OF BODY--	-	-	-	7	7	7	1	8	-	.80	.80	.11	.91	-	16	16
TOTAL OR AVERAGE-----	-	-	-	104	104	104	13	117	-	11.87	11.87	1.48	13.35	-	328	328
SURFACE AT UNDERGROUND:																
EAR-----	-	-	-	-	-	-	1	1	-	-	-	.06	.06	-	-	-
EYE-----	-	-	-	3	3	3	3	6	-	.18	.18	.18	.35	-	16	16
JAW-----	-	-	-	-	-	-	1	1	-	-	-	.06	.06	-	-	-
FACE, NEC-----	-	-	-	-	-	-	1	1	-	-	-	.06	.06	-	-	-
HEAD, NEC-----	1	1	-	4	5	6	-	6	.06	.30	.35	-	.35	354	357	711
NECK-----	-	-	-	2	2	2	-	2	-	.12	.12	-	.12	-	4	4
ELBOW-----	-	-	-	1	1	1	-	1	-	.06	.06	-	.06	-	(*)	(*)
FOREARM-----	-	-	-	1	1	1	-	1	-	.06	.06	-	.06	-	(*)	(*)
HAND-----	-	-	-	3	3	3	-	3	-	.18	.18	-	.18	-	3	3
FINGER(S)-----	-	-	-	2	2	2	5	7	-	.12	.12	.30	.41	-	1	1
UPPER EXTREMITIES, NEC--	-	-	-	-	-	-	1	1	-	-	-	.06	.06	-	-	-
BACK-----	-	-	-	8	8	8	4	12	-	.47	.47	.24	.71	-	39	39
PELVIC REGION-----	-	-	1	3	4	4	-	4	-	.24	.24	-	.24	-	15	15
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	.06	.06	-	.06	-	20	20
TRUNK, NEC-----	-	-	-	-	-	-	1	1	-	-	-	.06	.06	-	-	-
THIGH-----	-	-	-	1	1	1	-	1	-	.06	.06	-	.06	-	(*)	(*)
KNEE-----	-	-	-	6	6	6	-	6	-	.35	.35	-	.35	-	3	3
LOWER LEG-----	-	-	-	3	3	3	-	3	-	.18	.18	-	.18	-	1	1
ANKLE-----	-	-	-	1	1	1	-	1	-	.06	.06	-	.06	-	19	19
FOOT-----	-	-	-	3	3	3	-	3	-	.18	.18	-	.18	-	7	7
LOWER EXTREMITIES, NEC--	-	-	-	6	6	6	-	6	-	.35	.35	-	.35	-	29	29
BODY SYSTEMS-----	1	-	-	1	1	2	-	2	.06	.06	.12	-	.12	354	1	355
MULTIPLE PARTS OF BODY--	1	-	-	7	7	8	2	10	.06	.41	.47	.12	.59	354	24	378
TOTAL OR AVERAGE-----	3	1	1	56	58	61	19	80	.18	3.42	3.60	1.12	4.72	1,062	540	1,603

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, 1990 (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, UG:																
EAR-----	-	-	-	-	-	-	1	1	-	-	-	.04	.04	-	-	-
EYE-----	-	-	-	5	5	5	4	9	-	.19	.19	.16	.35	-	11	11
JAW-----	-	-	-	-	-	-	1	1	-	-	-	.04	.04	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	3	3	-	-	-	.12	.12	-	-	-
FACE, NEC-----	-	-	-	1	1	1	1	2	-	.04	.04	.04	.08	-	(*)	(*)
HEAD, NEC-----	1	1	-	10	11	12	2	14	.04	.43	.47	.08	.54	233	238	472
NECK-----	-	-	-	7	7	7	1	8	-	.27	.27	.04	.31	-	6	6
ELBOW-----	-	-	-	2	2	2	-	2	-	.08	.08	-	.08	-	(*)	(*)
FOREARM-----	-	-	-	1	1	1	-	1	-	.04	.04	-	.04	-	(*)	(*)
HAND-----	-	-	-	6	6	6	-	6	-	.23	.23	-	.23	-	4	4
FINGER(S)-----	-	-	-	11	11	11	7	18	-	.43	.43	.27	.70	-	12	12
UPPER EXTREMITIES, NEC-----	-	-	-	7	7	7	1	8	-	.27	.27	.04	.31	-	4	4
ABDOMEN-----	-	-	-	-	-	-	1	1	-	-	-	.04	.04	-	-	-
BACK-----	-	-	-	31	31	31	4	35	-	1.21	1.21	.16	1.36	-	62	62
CHEST-----	-	-	-	2	2	2	-	2	-	.08	.08	-	.08	-	3	3
PELVIC REGION-----	-	-	1	6	7	7	1	8	-	.27	.27	.04	.31	-	15	15
SHOULDER(S)-----	-	-	-	4	4	4	-	4	-	.16	.16	-	.16	-	19	19
TRUNK, NEC-----	-	-	-	2	2	2	1	3	-	.08	.08	.04	.12	-	6	6
THIGH-----	-	-	-	1	1	1	-	1	-	.04	.04	-	.04	-	(*)	(*)
KNEE-----	-	-	-	19	19	19	1	20	-	.74	.74	.04	.78	-	19	19
LOWER LEG-----	-	-	-	4	4	4	-	4	-	.16	.16	-	.16	-	3	3
ANKLE-----	-	-	-	4	4	4	-	4	-	.16	.16	-	.16	-	13	13
FOOT-----	-	-	-	13	13	13	-	13	-	.51	.51	-	.51	-	10	10
LOWER EXTREMITIES, NEC-----	-	-	-	8	8	8	-	8	-	.31	.31	-	.31	-	20	20
BODY SYSTEMS-----	1	-	-	2	2	3	-	3	.04	.08	.12	-	.12	233	1	234
MULTIPLE PARTS OF BODY-----	1	-	-	14	14	15	3	18	.04	.54	.58	.12	.70	233	21	255
TOTAL OR AVERAGE-----	3	1	1	160	162	165	32	197	.12	6.30	6.42	1.24	7.66	700	468	1,168

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DIGRE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFDI				TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI	NDI	ALL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI
		PERMANENT		TEMPO- RARY	TOTAL NFDI											
		TOTAL	PARTIAL													
SURFACE MINES:																
STRIP:																
EYE-----	-	-	-	9	9	9	16	25	-	.16	.16	.28	.44	-	(*)	(*)
JAW-----	-	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	4	4	-	-	-	.07	.07	-	-	-
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	-
SCALP-----	-	-	-	1	1	1	-	1	-	.02	.02	-	.02	-	1	1
FACE, NEC-----	-	-	-	-	-	-	2	2	-	-	-	.03	.03	-	-	-
HEAD, NEC-----	-	-	-	5	5	5	2	7	-	.09	.09	.03	.12	-	(*)	(*)
NECK-----	-	-	1	1	2	2	-	2	-	.03	.03	-	.03	-	33	33
ELBOW-----	-	-	-	2	2	2	1	3	-	.03	.03	.02	.05	-	(*)	(*)
FOREARM-----	-	-	-	1	1	1	-	1	-	.02	.02	-	.02	-	(*)	(*)
WRIST-----	-	-	-	1	1	1	-	1	-	.02	.02	-	.02	-	(*)	(*)
HAND-----	-	-	-	2	2	2	2	4	-	.03	.03	.03	.07	-	1	1
FINGER(S)-----	-	-	1	3	4	4	10	14	-	.07	.07	.17	.24	-	2	2
UPPER EXTREMITIES, NEC-----	-	-	-	2	2	2	-	2	-	.03	.03	-	.03	-	1	1
BACK-----	-	-	1	27	28	28	3	31	-	.49	.49	.05	.54	-	45	45
CHEST-----	-	-	-	1	1	1	1	2	-	.02	.02	.02	.03	-	(*)	(*)
PELVIC REGION-----	-	-	1	1	2	2	1	3	-	.03	.03	.02	.05	-	1	1
SHOULDER(S)-----	-	-	-	6	6	6	-	6	-	.10	.10	-	.10	-	5	5
TRUNK, NEC-----	-	-	-	7	7	7	-	7	-	.12	.12	-	.12	-	4	4
THIGH-----	-	-	-	2	2	2	2	4	-	.03	.03	.03	.07	-	1	1
KNEE-----	-	-	-	8	8	8	2	10	-	.14	.14	.03	.17	-	7	7
LOWER LEG-----	-	-	-	6	6	6	1	7	-	.10	.10	.02	.12	-	5	5
ANKLE-----	-	-	-	8	8	8	1	9	-	.14	.14	.02	.16	-	2	2
FOOT-----	-	-	-	6	6	6	-	6	-	.10	.10	-	.10	-	2	2
TOE(S)-----	-	-	-	3	3	3	-	3	-	.05	.05	-	.05	-	2	2
LOWER EXTREMITIES, NEC-----	-	-	-	3	3	3	-	3	-	.05	.05	-	.05	-	(*)	(*)
BODY SYSTEMS-----	-	-	-	1	1	1	1	2	-	.02	.02	.02	.03	-	(*)	(*)
MULTIPLE PARTS OF BODY-----	3	-	3	20	23	26	3	29	.05	.40	.45	.05	.51	314	155	470
TOTAL OR AVERAGE-----	3	-	7	126	133	136	54	190	.05	2.32	2.38	.94	3.32	314	265	580
AUGER:																
EYE-----	-	-	-	-	-	-	1	1	-	-	-	.96	.96	-	-	-
HAND-----	-	-	-	-	-	-	1	1	-	-	-	.96	.96	-	-	-
THIGH-----	-	-	-	1	1	1	-	1	-	.96	.96	-	.96	-	2	2
KNEE-----	-	-	-	1	1	1	-	1	-	.96	.96	-	.96	-	96	96
MULTIPLE PARTS OF BODY-----	-	-	-	2	2	2	-	2	-	1.92	1.92	-	1.92	-	35	35
TOTAL OR AVERAGE-----	-	-	-	4	4	4	2	6	-	3.85	3.85	1.92	5.77	-	133	133
CULM BANK:																
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	1.56	1.56	-	1.56	-	86	86
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	1.56	1.56	-	1.56	-	86	86

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, 1990 (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:																
EYE-----	-	-	-	9	9	9	17	26	-	.15	.15	.29	.44	-	(*)	(*)
JAW-----	-	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	4	4	-	-	-	.07	.07	-	-	-
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	-
SCALP-----	-	-	-	1	1	1	1	1	-	.02	.02	-	.02	-	(*)	(*)
FACE, NEC-----	-	-	-	-	-	-	2	2	-	-	-	.03	.03	-	-	-
HEAD, NEC-----	-	-	-	5	5	5	2	7	-	.08	.08	.03	.12	-	(*)	(*)
NECK-----	-	-	1	1	2	2	2	2	-	.03	.03	-	.03	-	32	32
ELBOW-----	-	-	-	2	2	2	1	3	-	.03	.03	.02	.05	-	(*)	(*)
FOREARM-----	-	-	-	1	1	1	-	1	-	.02	.02	-	.02	-	(*)	(*)
WRIST-----	-	-	-	1	1	1	-	1	-	.02	.02	-	.02	-	(*)	(*)
HAND-----	-	-	-	2	2	2	3	5	-	.03	.03	.05	.08	-	1	1
FINGER(S)-----	-	-	1	3	4	4	10	14	-	.07	.07	.17	.24	-	2	2
UPPER EXTREMITIES, NEC-----	-	-	-	2	2	2	-	2	-	.03	.03	-	.03	-	1	1
BACK-----	-	-	1	27	28	28	3	31	-	.47	.47	.05	.52	-	43	43
CHEST-----	-	-	-	1	1	1	1	2	-	.02	.02	.02	.03	-	(*)	(*)
PELVIC REGION-----	-	-	1	1	2	2	1	3	-	.03	.03	.02	.05	-	1	1
SHOULDER(S)-----	-	-	-	6	6	6	-	6	-	.10	.10	-	.10	-	4	4
TRUNK, NEC-----	-	-	-	8	8	8	-	8	-	.14	.14	-	.14	-	4	4
THIGH-----	-	-	-	3	3	3	2	5	-	.05	.05	.03	.08	-	1	1
KNEE-----	-	-	-	9	9	9	2	11	-	.15	.15	.03	.19	-	8	8
LOWER LEG-----	-	-	-	6	6	6	1	7	-	.10	.10	.02	.12	-	5	5
ANKLE-----	-	-	-	8	8	8	1	9	-	.14	.14	.02	.15	-	2	2
FOOT-----	-	-	-	6	6	6	-	6	-	.10	.10	-	.10	-	2	2
TOE(S)-----	-	-	-	3	3	3	-	3	-	.05	.05	-	.05	-	2	2
LOWER EXTREMITIES, NEC-----	-	-	-	3	3	3	-	3	-	.05	.05	-	.05	-	(*)	(*)
BODY SYSTEMS-----	-	-	-	1	1	1	1	2	-	.02	.02	.02	.03	-	(*)	(*)
MULTIPLE PARTS OF BODY-----	3	-	3	22	25	28	3	31	.05	.42	.47	.05	.52	305	151	456
TOTAL OR AVERAGE-----	3	-	7	131	138	141	56	197	.05	2.34	2.39	.95	3.33	305	260	565

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, 1990 (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, MINING:																
EAR-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
EYE-----	-	-	-	14	14	14	21	35	-	.17	.17	.25	.41	-	4	4
JAW-----	-	-	-	-	-	-	2	2	-	-	-	.02	.02	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	7	7	-	-	-	.08	.08	-	-	-
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
SCALP-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
FACE, NEC-----	-	-	-	1	1	1	3	4	-	.01	.01	.04	.05	-	(*)	(*)
HEAD, NEC-----	1	1	-	15	16	17	4	21	.01	.19	.20	.05	.25	71	73	143
NECK-----	-	-	1	8	9	9	1	10	-	.11	.11	.01	.12	-	24	24
ELBOW-----	-	-	-	4	4	4	1	5	-	.05	.05	.01	.06	-	(*)	(*)
FOREARM-----	-	-	-	2	2	2	-	2	-	.02	.02	-	.02	-	(*)	(*)
WRIST-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
HAND-----	-	-	-	8	8	8	3	11	-	.09	.09	.04	.13	-	2	2
FINGER(S)-----	-	-	1	14	15	15	17	32	-	.18	.18	.20	.38	-	5	5
UPPER EXTREMITIES, NEC-----	-	-	-	9	9	9	1	10	-	.11	.11	.01	.12	-	2	2
ABDOMEN-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
BACK-----	-	-	1	58	59	59	7	66	-	.70	.70	.08	.78	-	49	49
CHEST-----	-	-	-	3	3	3	1	4	-	.04	.04	.01	.05	-	1	1
PELVIC REGION-----	-	-	2	7	9	9	2	11	-	.11	.11	.02	.13	-	5	5
SHOULDER(S)-----	-	-	-	10	10	10	-	10	-	.12	.12	-	.12	-	9	9
TRUNK, NEC-----	-	-	-	10	10	10	1	11	-	.12	.12	.01	.13	-	5	5
THIGH-----	-	-	-	4	4	4	2	6	-	.05	.05	.02	.07	-	(+)	(+)
KNEE-----	-	-	-	28	28	28	3	31	-	.33	.33	.04	.37	-	12	12
LOWER LEG-----	-	-	-	10	10	10	1	11	-	.12	.12	.01	.13	-	4	4
ANKLE-----	-	-	-	12	12	12	1	13	-	.14	.14	.01	.15	-	5	5
FOOT-----	-	-	-	19	19	19	-	19	-	.22	.22	-	.22	-	4	4
TOE(S)-----	-	-	-	3	3	3	-	3	-	.04	.04	-	.04	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	-	11	11	11	-	11	-	.13	.13	-	.13	-	6	6
BODY SYSTEMS-----	1	-	-	3	3	4	1	5	.01	.04	.05	.01	.06	71	(*)	71
MULTIPLE PARTS OF BODY-----	4	-	3	36	39	43	6	49	.05	.46	.51	.07	.58	283	112	395
TOTAL OR AVERAGE-----	6	1	8	291	300	306	88	394	.07	3.54	3.61	1.04	4.65	425	323	748
INDEPENDENT SHOPS:																
MULTIPLE PARTS OF BODY-----	-	-	-	1	1	1	-	1	-	99.99	99.99	-	99.99	-	5,929	5,929
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	99.99	99.99	-	99.99	-	5,929	5,929

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, 1990 (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													
PROCESSING PLANTS:																
EAR-----	-	-	-	-	-	-	1	1	-	-	-	.04	.04	-	-	-
EYE-----	-	-	-	2	2	2	7	9	-	.09	.09	.31	.40	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	2	3	-	.04	.04	.09	.13	-	(*)	(*)
SKULL-----	1	-	-	-	-	1	-	1	.04	-	.04	-	.04	265	-	265
HEAD, NEC-----	-	-	-	2	2	2	4	6	-	.09	.09	.18	.26	-	3	3
NECK-----	-	-	-	1	1	1	-	1	-	.04	.04	-	.04	-	6	6
ELBOW-----	-	-	-	1	1	1	-	1	-	.04	.04	-	.04	-	3	3
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	.04	.04	-	-	-
WRIST-----	-	-	-	2	2	2	1	3	-	.09	.09	.04	.13	-	3	3
HAND-----	-	-	-	2	2	2	2	4	-	.09	.09	.09	.18	-	(*)	(*)
FINGER(S)-----	-	-	-	7	7	7	6	13	-	.31	.31	.26	.57	-	4	4
UPPER EXTREMITIES, NEC-----	-	-	-	6	6	6	2	8	-	.26	.26	.09	.35	-	5	5
ABDOMEN-----	-	-	-	1	1	1	1	2	-	.04	.04	.04	.09	-	(*)	(*)
BACK-----	-	1	-	17	18	18	7	25	-	.80	.80	.31	1.10	-	287	287
CHEST-----	-	-	-	4	4	4	-	4	-	.18	.18	-	.18	-	4	4
PELVIC REGION-----	-	-	1	1	2	2	1	3	-	.09	.09	.04	.13	-	4	4
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	.04	.04	-	.04	-	(*)	(*)
TRUNK, NEC-----	-	-	-	6	6	6	-	6	-	.26	.26	-	.26	-	13	13
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	.04	.04	-	-	-
KNEE-----	-	-	-	8	8	8	3	11	-	.35	.35	.13	.49	-	18	18
LOWER LEG-----	-	-	-	3	3	3	1	4	-	.13	.13	.04	.18	-	12	12
ANKLE-----	-	-	-	3	3	3	-	3	-	.13	.13	-	.13	-	2	2
FOOT-----	-	-	-	8	8	8	1	9	-	.35	.35	.04	.40	-	10	10
TOE(S)-----	-	-	-	1	1	1	-	1	-	.04	.04	-	.04	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	-	9	9	9	1	10	-	.40	.40	.04	.44	-	23	23
BODY SYSTEMS-----	-	-	-	2	2	2	1	3	-	.09	.09	.04	.13	-	1	1
MULTIPLE PARTS OF BODY-----	-	-	-	12	12	12	5	17	-	.53	.53	.22	.75	-	48	48
TOTAL OR AVERAGE-----	1	1	1	100	102	103	48	151	.04	4.51	4.55	2.12	6.67	265	447	712

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, 1990 (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													
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																
EAR-----	-	-	-	-	-	-	2	2	-	-	-	.02	.02	-	-	-
EYE-----	-	-	-	16	16	16	28	44	-	.15	.15	.26	.41	-	3	3
JAW-----	-	-	-	-	-	-	2	2	-	-	-	.02	.02	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	9	10	-	.01	.01	.08	.09	-	(*)	(*)
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
SCALP-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
SKULL-----	1	-	-	-	-	-	-	1	.01	-	.01	-	.01	56	-	56
FACE, NEC-----	-	-	-	1	1	1	3	4	-	.01	.01	.03	.04	-	(*)	(*)
HEAD, NEC-----	1	1	-	17	18	19	8	27	.01	.17	.18	.07	.25	56	58	114
NECK-----	-	-	1	9	10	10	1	11	-	.09	.09	.01	.10	-	20	20
ELBOW-----	-	-	-	5	5	5	1	6	-	.05	.05	.01	.06	-	1	1
FOREARM-----	-	-	-	2	2	2	1	3	-	.02	.02	.01	.03	-	(*)	(*)
WRIST-----	-	-	-	3	3	3	1	4	-	.03	.03	.01	.04	-	1	1
HAND-----	-	-	-	10	10	10	5	15	-	.09	.09	.05	.14	-	1	1
FINGER(S)-----	-	-	1	21	22	22	23	45	-	.20	.20	.21	.42	-	5	5
UPPER EXTREMITIES, NEC-----	-	-	-	15	15	15	3	18	-	.14	.14	.03	.17	-	2	2
ABDOMEN-----	-	-	-	1	1	1	2	3	-	.01	.01	.02	.03	-	(*)	(*)
BACK-----	-	1	1	75	77	77	14	91	-	.72	.72	.13	.85	-	99	99
CHEST-----	-	-	-	7	7	7	1	8	-	.07	.07	.01	.07	-	2	2
PELVIC REGION-----	-	-	3	8	11	11	3	14	-	.10	.10	.03	.13	-	5	5
SHOULDER(S)-----	-	-	-	11	11	11	-	11	-	.10	.10	-	.10	-	7	7
TRUNK, NEC-----	-	-	-	16	16	16	1	17	-	.15	.15	.01	.16	-	6	6
THIGH-----	-	-	-	4	4	4	3	7	-	.04	.04	.03	.07	-	(*)	(*)
KNEE-----	-	-	-	36	36	36	6	42	-	.34	.34	.06	.39	-	13	13
LOWER LEG-----	-	-	-	13	13	13	2	15	-	.12	.12	.02	.14	-	6	6
ANKLE-----	-	-	-	15	15	15	1	16	-	.14	.14	.01	.15	-	4	4
FOOT-----	-	-	-	27	27	27	1	28	-	.25	.25	.01	.26	-	5	5
TOE(S)-----	-	-	-	4	4	4	-	4	-	.04	.04	-	.04	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	-	20	20	20	1	21	-	.19	.19	.01	.20	-	10	10
BODY SYSTEMS-----	1	-	-	5	5	6	2	8	.01	.05	.06	.02	.07	56	(*)	56
MULTIPLE PARTS OF BODY-----	4	-	3	49	52	56	11	67	.04	.48	.52	.10	.62	223	98	322
TOTAL OR AVERAGE-----	7	2	9	392	403	410	136	546	.07	3.75	3.82	1.27	5.08	391	349	740
OFFICE:																
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	1	-	-	-	.12	.12	-	-	-
BACK-----	-	-	-	3	3	3	-	3	-	.37	.37	-	.37	-	7	7
TOTAL OR AVERAGE-----	-	-	-	3	3	3	1	4	-	.37	.37	.12	.50	-	7	7

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, 1990 (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													
GRAND TOTAL OR AVERAGE:	-	-	-	-	-	-	2	2	-	-	-	.02	.02	-	-	-
EAR-----	-	-	-	-	-	16	28	44	-	.14	.14	.24	.38	-	3	3
EYE-----	-	-	-	-	-	-	2	2	-	-	-	.02	.02	-	-	-
JAW-----	-	-	-	-	-	1	10	11	-	.01	.01	.09	.10	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
NOSE-----	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
SCALP-----	-	-	-	-	-	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
SKULL-----	1	-	-	-	-	-	-	1	.01	-	.01	-	.01	52	-	52
FACE, NEC-----	-	-	-	-	-	1	3	4	-	.01	.01	.03	.03	-	(*)	(*)
HEAD, NEC-----	1	1	-	-	17	18	19	27	.01	.16	.16	.07	.23	52	54	106
NECK-----	-	-	1	-	9	10	1	11	-	.09	.09	.01	.10	-	19	19
ELBOW-----	-	-	-	-	5	5	1	6	-	.04	.04	.01	.05	-	1	1
FOREARM-----	-	-	-	-	2	2	1	3	-	.02	.02	.01	.03	-	(*)	(*)
WRIST-----	-	-	-	-	3	3	1	4	-	.03	.03	.01	.03	-	1	1
HAND-----	-	-	-	-	10	10	5	15	-	.09	.09	.04	.13	-	1	1
FINGER(S)-----	-	-	1	-	21	22	23	45	-	.19	.19	.20	.39	-	4	4
UPPER EXTREMITIES, NEC-----	-	-	-	-	15	15	3	18	-	.13	.13	.03	.16	-	2	2
ABDOMEN-----	-	-	-	-	1	1	2	3	-	.01	.01	.02	.03	-	(*)	(*)
BACK-----	-	1	1	-	78	80	14	94	-	.69	.69	.12	.81	-	93	93
CHEST-----	-	-	-	-	7	7	1	8	-	.06	.06	.01	.07	-	2	2
PELVIC REGION-----	-	-	3	-	8	11	3	14	-	.10	.10	.03	.12	-	4	4
SHOULDER(S)-----	-	-	-	-	11	11	-	11	-	.10	.10	-	.10	-	7	7
TRUNK, NEC-----	-	-	-	-	16	16	1	17	-	.14	.14	.01	.15	-	6	6
THIGH-----	-	-	-	-	4	4	3	7	-	.03	.03	.03	.05	-	(*)	(*)
KNEE-----	-	-	-	-	36	36	6	42	-	.31	.31	.05	.36	-	12	12
LOWER LEG-----	-	-	-	-	13	13	2	15	-	.11	.11	.02	.13	-	6	6
ANKLE-----	-	-	-	-	15	15	1	16	-	.13	.13	.01	.14	-	4	4
FOOT-----	-	-	-	-	27	27	1	28	-	.23	.23	.01	.24	-	5	5
TOE(S)-----	-	-	-	-	4	4	-	4	-	.03	.03	-	.03	-	1	1
LOWER EXTREMITIES, NEC-----	-	-	-	-	20	20	1	21	-	.17	.17	.01	.18	-	9	9
BODY SYSTEMS-----	1	-	-	-	5	5	2	8	.01	.04	.05	.02	.07	52	(*)	52
MULTIPLE PARTS OF BODY-----	4	-	3	-	49	52	11	67	.03	.45	.48	.10	.58	208	91	299
TOTAL OR AVERAGE-----	7	2	9	395	406	413	137	550	.06	3.52	3.58	1.19	4.76	364	326	689

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, 1990

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND:																	
EYE-----	-	-	-	2	2	2	1	3	-	-	-	5	5	5	-	2	2
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
FACE, NEC-----	-	-	-	1	1	1	-	1	-	-	-	12	12	12	-	12	12
HEAD, NEC-----	-	-	-	6	6	6	2	8	-	-	-	86	86	86	-	14	14
NECK-----	-	-	-	5	5	5	1	6	-	-	-	80	80	80	-	16	16
ELBOW-----	-	-	-	1	1	1	-	1	-	-	-	8	8	8	-	8	8
HAND-----	-	-	-	3	3	3	-	3	-	-	-	45	45	45	-	15	15
FINGER(S)-----	-	-	-	9	9	9	2	11	-	-	-	284	284	284	-	32	32
UPPER EXTREMITIES, NEC-----	-	-	-	7	7	7	-	7	-	-	-	112	112	112	-	16	16
ABDOMEN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
BACK-----	-	-	-	23	23	23	-	23	-	-	-	928	928	928	-	40	40
CHEST-----	-	-	-	2	2	2	-	2	-	-	-	80	80	80	-	40	40
PELVIC REGION-----	-	-	-	3	3	3	1	4	-	-	-	122	122	122	-	41	41
SHOULDER(S)-----	-	-	-	3	3	3	-	3	-	-	-	162	162	162	-	54	54
TRUNK, NEC-----	-	-	-	2	2	2	-	2	-	-	-	143	143	143	-	72	72
KNEE-----	-	-	-	13	13	13	1	14	-	-	-	444	444	444	-	34	34
LOWER LEG-----	-	-	-	1	1	1	-	1	-	-	-	41	41	41	-	41	41
ANKLE-----	-	-	-	3	3	3	-	3	-	-	-	26	26	26	-	9	9
FOOT-----	-	-	-	10	10	10	-	10	-	-	-	124	124	124	-	12	12
LOWER EXTREMITIES, NEC-----	-	-	-	2	2	2	-	2	-	-	-	35	35	35	-	18	18
BODY SYSTEMS-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
MULTIPLE PARTS OF BODY-----	-	-	-	7	7	7	1	8	-	-	-	139	139	139	-	20	20
TOTAL OR AVERAGE-----	-	-	-	104	104	104	13	117	-	-	-	2,877	2,877	2,877	-	28	28
SURFACE AT UNDERGROUND:																	
EAR-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EYE-----	-	-	-	3	3	3	3	6	-	-	-	275	275	275	-	92	92
JAW-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FACE, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HEAD, NEC-----	1	1	-	4	5	6	-	6	6,000	6,000	-	41	6,041	12,041	-	10	2,007
NECK-----	-	-	-	2	2	2	-	2	-	-	-	75	75	75	-	38	38
ELBOW-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
FOREARM-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
HAND-----	-	-	-	3	3	3	-	3	-	-	-	59	59	59	-	20	20
FINGER(S)-----	-	-	-	2	2	2	5	7	-	-	-	20	20	20	-	10	10
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
BACK-----	-	-	-	8	8	8	4	12	-	-	-	655	655	655	-	82	82
PELVIC REGION-----	-	-	1	3	4	4	-	4	-	-	50	252	252	50	67	63	63
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	-	-	339	339	339	-	339	339
TRUNK, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
THIGH-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
KNEE-----	-	-	-	6	6	6	-	6	-	-	-	50	50	50	-	8	8
LOWER LEG-----	-	-	-	3	3	3	-	3	-	-	-	24	24	24	-	8	8
ANKLE-----	-	-	-	1	1	1	-	1	-	-	-	316	316	316	-	316	316
FOOT-----	-	-	-	3	3	3	-	3	-	-	-	126	126	126	-	42	42
LOWER EXTREMITIES, NEC-----	-	-	-	6	6	6	-	6	-	-	-	487	487	487	-	81	81
BODY SYSTEMS-----	1	-	-	1	1	2	-	2	6,000	-	-	15	15	6,015	-	15	3,008
MULTIPLE PARTS OF BODY-----	1	-	-	7	7	8	2	10	6,000	-	-	411	411	6,411	-	59	801
TOTAL OR AVERAGE-----	3	1	1	56	58	61	19	80	18,000	6,000	50	3,100	9,150	27,150	50	55	445

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, UG:	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EAR-----	-	-	-	-	-	-	4	9	-	-	-	280	280	280	-	56	56
EYE-----	-	-	-	5	5	5	1	1	-	-	-	-	-	-	-	-	-
JAW-----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-
FACE, NEC-----	-	-	-	1	1	1	1	2	-	-	-	12	12	12	-	12	12
HEAD, NEC-----	1	1	-	10	11	12	2	14	6,000	6,000	-	127	6,127	12,127	-	13	1,011
NECK-----	-	-	-	7	7	7	1	8	-	-	-	155	155	155	-	22	22
ELBOW-----	-	-	-	2	2	2	-	2	-	-	-	9	9	9	-	4	4
FOREARM-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
HAND-----	-	-	-	6	6	6	-	6	-	-	-	104	104	104	-	17	17
FINGER(S)-----	-	-	-	11	11	11	7	18	-	-	-	304	304	304	-	28	28
UPPER EXTREMITIES, NEC-----	-	-	-	7	7	7	1	8	-	-	-	112	112	112	-	16	16
ABDOMEN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
BACK-----	-	-	-	31	31	31	4	35	-	-	-	1,583	1,583	1,583	-	51	51
CHEST-----	-	-	-	2	2	2	-	2	-	-	-	80	80	80	-	40	40
PELVIC REGION-----	-	-	1	6	7	7	1	8	-	-	50	324	374	374	50	54	53
SHOULDER(S)-----	-	-	-	4	4	4	-	4	-	-	-	501	501	501	-	125	125
TRUNK, NEC-----	-	-	-	2	2	2	1	3	-	-	-	143	143	143	-	72	72
THIGH-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
KNEE-----	-	-	-	19	19	19	1	20	-	-	-	494	494	494	-	26	26
LOWER LEG-----	-	-	-	4	4	4	-	4	-	-	-	65	65	65	-	16	16
ANKLE-----	-	-	-	4	4	4	-	4	-	-	-	342	342	342	-	86	86
FOOT-----	-	-	-	13	13	13	-	13	-	-	-	250	250	250	-	19	19
LOWER EXTREMITIES, NEC-----	-	-	-	8	8	8	-	8	-	-	-	522	522	522	-	65	65
BODY SYSTEMS-----	1	-	-	2	2	3	-	3	6,000	-	-	16	16	6,016	-	8	2,005
MULTIPLE PARTS OF BODY-----	1	-	-	14	14	15	3	18	6,000	-	-	550	550	6,550	-	39	437
TOTAL OR AVERAGE-----	3	1	1	160	162	165	32	197	18,000	6,000	50	5,977	12,027	30,027	50	37	182

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SURFACE MINES:																	
STRIP:																	
EYE-----	-	-	-	9	9	9	16	25	-	-	-	20	20	20	-	2	2
JAW-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	-
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCALP-----	-	-	-	1	1	1	-	-	-	-	-	29	29	29	-	29	29
FACE, NEC-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
HEAD, NEC-----	-	-	-	5	5	5	2	7	-	-	-	23	23	23	-	5	5
NECK-----	-	-	1	1	2	2	-	2	-	-	1,800	97	1,897	1,800	97	948	948
ELBOW-----	-	-	-	2	2	2	1	3	-	-	-	8	8	8	-	4	4
FOREARM-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
WRIST-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
HAND-----	-	-	-	2	2	2	2	4	-	-	-	31	31	31	-	16	16
FINGER(S)-----	-	-	1	3	4	4	10	14	-	-	60	30	90	60	10	22	22
UPPER EXTREMITIES, NEC-----	-	-	-	2	2	2	-	2	-	-	-	41	41	41	-	20	20
BACK-----	-	-	1	27	28	28	3	31	-	-	1,800	761	2,561	1,800	28	91	91
CHEST-----	-	-	-	1	1	1	1	2	-	-	-	13	13	13	-	13	13
PELVIC REGION-----	-	-	1	1	2	2	1	3	-	-	50	1	51	50	1	26	26
SHOULDER(S)-----	-	-	-	6	6	6	-	6	-	-	-	264	264	264	-	44	44
TRUNK, NEC-----	-	-	-	7	7	7	-	7	-	-	-	206	206	206	-	29	29
THIGH-----	-	-	-	2	2	2	2	4	-	-	-	32	32	32	-	16	16
KNEE-----	-	-	-	8	8	8	2	10	-	-	-	383	383	383	-	48	48
LOWER LEG-----	-	-	-	6	6	6	1	7	-	-	-	308	308	308	-	51	51
ANKLE-----	-	-	-	8	8	8	1	9	-	-	-	94	94	94	-	12	12
FOOT-----	-	-	-	6	6	6	-	6	-	-	-	110	110	110	-	18	18
TOE(S)-----	-	-	-	3	3	3	-	3	-	-	-	110	110	110	-	37	37
LOWER EXTREMITIES, NEC-----	-	-	-	3	3	3	-	3	-	-	-	24	24	24	-	8	8
BODY SYSTEMS-----	-	-	-	1	1	1	1	2	-	-	-	3	3	3	-	3	3
MULTIPLE PARTS OF BODY-----	3	-	3	20	23	26	3	29	18,000	-	7,800	1,089	8,889	26,889	2,600	54	1,034
TOTAL OR AVERAGE-----	3	-	7	126	133	136	54	190	18,000	-	11,510	3,680	15,190	33,190	1,644	29	244
AUGER:																	
EYE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HAND-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
THIGH-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
KNEE-----	-	-	-	1	1	1	-	1	-	-	-	100	100	100	-	100	100
MULTIPLE PARTS OF BODY-----	-	-	-	2	2	2	-	2	-	-	-	36	36	36	-	18	18
TOTAL OR AVERAGE-----	-	-	-	4	4	4	2	6	-	-	-	138	138	138	-	34	34
CULM BANK:																	
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, SURFACE:	-	-	-	9	9	9	17	26	-	-	-	20	20	20	-	2	2
EYE	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
JAW	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCALP	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	29
FACE, NEC	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	5	5	5	2	7	-	-	-	23	23	23	-	5	5
NECK	-	-	1	1	2	2	-	2	-	1,800	-	97	1,897	1,897	1,800	97	948
ELBOW	-	-	-	2	2	2	1	3	-	-	-	8	8	8	-	4	4
FOREARM	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
WRIST	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
HAND	-	-	-	2	2	2	3	5	-	-	-	31	31	31	-	16	16
FINGER(S)	-	-	1	3	4	4	10	14	-	-	60	30	90	90	60	10	22
UPPER EXTREMITIES, NEC	-	-	-	2	2	2	-	2	-	-	-	41	41	41	-	20	20
BACK	-	-	1	27	28	28	3	31	-	1,800	-	761	2,561	2,561	1,800	28	91
CHEST	-	-	-	1	1	1	1	2	-	-	-	13	13	13	-	13	13
PELVIC REGION	-	-	1	1	2	2	1	3	-	-	50	1	51	51	50	1	26
SHOULDER(S)	-	-	-	6	6	6	-	6	-	-	-	264	264	264	-	44	44
TRUNK, NEC	-	-	-	8	8	8	-	8	-	-	-	261	261	261	-	33	33
THIGH	-	-	-	3	3	3	2	5	-	-	-	34	34	34	-	11	11
KNEE	-	-	-	9	9	9	2	11	-	-	-	483	483	483	-	54	54
LOWER LEG	-	-	-	6	6	6	1	7	-	-	-	308	308	308	-	51	51
ANKLE	-	-	-	8	8	8	1	9	-	-	-	94	94	94	-	12	12
FOOT	-	-	-	6	6	6	-	6	-	-	-	110	110	110	-	18	18
TOE(S)	-	-	-	3	3	3	-	3	-	-	-	110	110	110	-	37	37
LOWER EXTREMITIES, NEC	-	-	-	3	3	3	-	3	-	-	-	24	24	24	-	8	8
BODY SYSTEMS	-	-	-	1	1	1	1	2	-	-	-	3	3	3	-	3	3
MULTIPLE PARTS OF BODY	3	-	3	22	25	28	3	31	18,000	-	7,800	1,125	8,925	26,925	2,600	51	962
TOTAL OR AVERAGE	3	-	7	131	138	141	56	197	18,000	-	11,510	3,873	15,383	33,383	1,644	30	237

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, MINING:	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
EAR-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
EYE-----	-	-	-	14	14	14	21	35	-	-	-	300	300	300	-	21	
JAW-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	7	7	-	-	-	-	-	-	-	-	
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
SCALP-----	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	
FACE, NEC-----	-	-	-	1	1	1	3	4	-	-	-	12	12	12	-	12	
HEAD, NEC-----	1	1	-	15	16	17	4	21	6,000	6,000	-	150	6,150	12,150	-	715	
NECK-----	-	-	1	8	9	9	1	5	-	-	1,800	252	2,052	1,800	32	228	
ELBOW-----	-	-	-	4	4	4	1	5	-	-	-	17	17	-	4	4	
FOREARM-----	-	-	-	2	2	2	-	2	-	-	-	3	3	3	-	2	
WRIST-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	
HAND-----	-	-	-	8	8	8	3	11	-	-	-	135	135	135	-	17	
FINGER(S)-----	-	-	1	14	15	15	17	32	-	-	60	334	394	60	24	26	
UPPER EXTREMITIES, NEC-----	-	-	-	9	9	9	1	10	-	-	-	153	153	153	-	17	
ABDOMEN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
BACK-----	-	-	1	58	59	59	7	66	-	-	1,800	2,344	4,144	1,800	40	70	
CHEST-----	-	-	-	3	3	3	1	4	-	-	-	93	93	93	-	31	
PELVIC REGION-----	-	-	2	7	9	9	2	11	-	-	100	325	425	50	46	47	
SHOULDER(S)-----	-	-	-	10	10	10	-	10	-	-	-	765	765	765	-	76	
TRUNK, NEC-----	-	-	-	10	10	10	1	11	-	-	-	404	404	404	-	40	
THIGH-----	-	-	-	4	4	4	2	6	-	-	-	36	36	36	-	9	
KNEE-----	-	-	-	28	28	28	3	31	-	-	-	977	977	977	-	35	
LOWER LEG-----	-	-	-	10	10	10	1	11	-	-	-	373	373	373	-	37	
ANKLE-----	-	-	-	12	12	12	1	13	-	-	-	436	436	436	-	36	
FOOT-----	-	-	-	19	19	19	-	19	-	-	-	360	360	360	-	19	
TOE(S)-----	-	-	-	3	3	3	-	3	-	-	-	110	110	110	-	37	
LOWER EXTREMITIES, NEC-----	-	-	-	11	11	11	-	11	-	-	-	546	546	546	-	50	
BODY SYSTEMS-----	1	-	-	3	3	4	1	5	6,000	-	-	19	19	6,019	-	6	
MULTIPLE PARTS OF BODY-----	4	-	3	36	39	43	6	49	24,000	-	7,800	1,675	9,475	33,475	2,600	47	
TOTAL OR AVERAGE-----	6	1	8	291	300	306	88	394	36,000	6,000	11,560	9,850	27,410	63,410	1,445	207	
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MULTIPLE PARTS OF BODY-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
PROCESSING PLANTS:																	
EAR-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
EYE-----	-	-	-	2	2	7	9	-	-	6	6	6	-	3	3		
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	2	-	-	1	1	1	-	1	1		
SKULL-----	1	-	-	-	-	-	-	6,000	-	-	-	6,000	-	-	6,000		
HEAD, NEC-----	-	-	-	2	2	2	4	-	-	-	63	63	63	32	32		
NECK-----	-	-	-	1	1	1	1	-	-	-	140	140	140	140	140		
ELBOW-----	-	-	-	1	1	1	1	-	-	-	74	74	74	74	74		
FOREARM-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
WRIST-----	-	-	-	2	2	2	3	-	-	-	70	70	70	35	35		
HAND-----	-	-	-	2	2	2	4	-	-	-	7	7	7	4	4		
FINGER(S)-----	-	-	-	7	7	7	13	-	-	-	94	94	94	13	13		
UPPER EXTREMITIES, NEC-----	-	-	-	6	6	6	8	-	-	-	102	102	102	17	17		
ABDOMEN-----	-	-	-	1	1	1	2	-	-	-	4	4	4	4	4		
BACK-----	-	1	-	17	18	18	25	6,000	-	-	492	6,492	6,492	29	361		
CHEST-----	-	-	-	4	4	4	4	-	-	-	99	99	99	25	25		
PELVIC REGION-----	-	-	1	1	2	1	3	-	-	50	44	94	94	50	44		
SHOULDER(S)-----	-	-	-	1	1	1	1	-	-	-	1	1	1	1	1		
TRUNK, NEC-----	-	-	-	6	6	6	6	-	-	-	288	288	288	48	48		
THIGH-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
KNEE-----	-	-	-	8	8	8	11	-	-	-	403	403	403	50	50		
LOWER LEG-----	-	-	-	3	3	3	4	-	-	-	267	267	267	89	89		
ANKLE-----	-	-	-	3	3	3	3	-	-	-	44	44	44	15	15		
FOOT-----	-	-	-	8	8	8	9	-	-	-	223	223	223	28	28		
TOE(S)-----	-	-	-	1	1	1	1	-	-	-	27	27	27	27	27		
LOWER EXTREMITIES, NEC-----	-	-	-	9	9	9	10	-	-	-	525	525	525	58	58		
BODY SYSTEMS-----	-	-	-	2	2	2	3	-	-	-	13	13	13	6	6		
MULTIPLE PARTS OF BODY-----	-	-	-	12	12	12	17	-	-	-	1,077	1,077	1,077	90	90		
TOTAL OR AVERAGE-----	1	1	1	100	102	103	48	151	6,000	6,000	50	4,064	10,114	16,114	50	41	156

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL
		TOTAL	PARTIAL						TOTAL	PARTIAL						
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
EAR-----	-	-	-	-	-	28	44	-	-	-	306	306	306	-	19	19
EYE-----	-	-	-	16	16	2	2	-	-	-	-	-	-	-	-	-
JAW-----	-	-	-	-	-	9	10	-	-	-	1	1	1	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-
NOSE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCALP-----	-	-	-	1	1	1	1	-	-	-	29	29	29	-	29	29
SKULL-----	1	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	-	6,000
FACE, NEC-----	-	-	-	1	1	3	4	-	-	-	12	12	12	-	12	12
HEAD, NEC-----	1	1	-	17	18	19	27	6,000	6,000	-	213	6,213	12,213	-	13	643
NECK-----	-	-	1	9	10	1	11	-	-	1,800	392	2,192	2,192	1,800	44	219
ELBOW-----	-	-	-	5	5	5	6	-	-	-	91	91	91	-	18	18
FOREARM-----	-	-	-	2	2	2	3	-	-	-	3	3	3	-	2	2
WRIST-----	-	-	-	3	3	3	4	-	-	-	72	72	72	-	24	24
HAND-----	-	-	-	10	10	10	15	-	-	-	142	142	142	-	14	14
FINGER(S)-----	-	-	1	21	22	23	45	-	-	60	428	488	488	60	20	22
UPPER EXTREMITIES, NEC-----	-	-	-	15	15	3	18	-	-	-	255	255	255	-	17	17
ABDOMEN-----	-	-	-	1	1	2	3	-	-	-	4	4	4	-	4	4
BACK-----	-	1	1	75	77	14	91	-	6,000	1,800	2,836	10,636	10,636	1,800	38	138
CHEST-----	-	-	-	7	7	1	8	-	-	-	192	192	192	-	27	27
PELVIC REGION-----	-	-	3	8	11	3	14	-	-	150	369	519	519	50	46	47
SHOULDER(S)-----	-	-	-	11	11	-	11	-	-	-	766	766	766	-	70	70
TRUNK, NEC-----	-	-	-	16	16	1	17	-	-	-	692	692	692	-	43	43
THIGH-----	-	-	-	4	4	3	7	-	-	-	36	36	36	-	9	9
KNEE-----	-	-	-	36	36	6	42	-	-	-	1,380	1,380	1,380	-	38	38
LOWER LEG-----	-	-	-	13	13	2	15	-	-	-	640	640	640	-	49	49
ANKLE-----	-	-	-	15	15	1	16	-	-	-	480	480	480	-	32	32
FOOT-----	-	-	-	27	27	1	28	-	-	-	583	583	583	-	22	22
TOE(S)-----	-	-	-	4	4	-	4	-	-	-	137	137	137	-	34	34
LOWER EXTREMITIES, NEC-----	-	-	-	20	20	1	21	-	-	-	1,071	1,071	1,071	-	54	54
BODY SYSTEMS-----	1	-	-	5	5	6	8	6,000	-	-	32	32	6,032	-	6	1,005
MULTIPLE PARTS OF BODY-----	4	-	3	49	52	11	67	24,000	-	7,800	2,767	10,567	34,567	2,600	56	617
TOTAL OR AVERAGE-----	7	2	9	392	403	410	546	42,000	12,000	11,610	13,929	37,539	79,539	1,290	36	194
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
BACK-----	-	-	-	3	3	-	3	-	-	-	56	56	56	-	19	19
TOTAL OR AVERAGE-----	-	-	-	3	3	3	4	-	-	-	56	56	56	-	19	19

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, 1990 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE:	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
EAR-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
EYE-----	-	-	-	16	16	16	28	44	-	-	-	306	306	306	-	19	19
JAW-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	10	11	-	-	-	1	1	1	-	1	1
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCALP-----	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	29
SKULL-----	1	-	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	-	6,000
FACE, NEC-----	-	-	-	1	1	1	3	4	-	-	-	12	12	12	-	12	12
HEAD, NEC-----	1	1	-	17	18	19	8	27	6,000	6,000	-	213	6,213	12,213	-	13	643
NECK-----	-	-	1	9	10	10	1	11	-	-	1,800	392	2,192	2,192	1,800	44	219
ELBOW-----	-	-	-	5	5	5	1	6	-	-	-	91	91	91	-	18	18
FOREARM-----	-	-	-	2	2	2	1	3	-	-	-	3	3	3	-	2	2
WRIST-----	-	-	-	3	3	3	1	4	-	-	-	72	72	72	-	24	24
HAND-----	-	-	-	10	10	10	5	15	-	-	-	142	142	142	-	14	14
FINGER(S)-----	-	-	1	21	22	22	23	45	-	-	60	428	488	488	60	20	22
UPPER EXTREMITIES, NEC-----	-	-	-	15	15	15	3	18	-	-	-	255	255	255	-	17	17
ABDOMEN-----	-	-	-	1	1	1	2	3	-	-	-	4	4	4	-	4	4
BACK-----	-	1	1	78	80	80	14	94	-	6,000	1,800	2,892	10,692	10,692	1,800	37	134
CHEST-----	-	-	-	7	7	7	1	8	-	-	-	192	192	192	-	27	27
PELVIC REGION-----	-	-	3	8	11	11	3	14	-	-	150	369	519	519	50	46	47
SHOULDER(S)-----	-	-	-	11	11	11	-	11	-	-	-	766	766	766	-	70	70
TRUNK, NEC-----	-	-	-	16	16	16	1	17	-	-	-	692	692	692	-	43	43
THIGH-----	-	-	-	4	4	4	3	7	-	-	-	36	36	36	-	9	9
KNEE-----	-	-	-	36	36	36	6	42	-	-	-	1,380	1,380	1,380	-	38	38
LOWER LEG-----	-	-	-	13	13	13	2	15	-	-	-	640	640	640	-	49	49
ANKLE-----	-	-	-	15	15	15	1	16	-	-	-	480	480	480	-	32	32
FOOT-----	-	-	-	27	27	27	1	28	-	-	-	583	583	583	-	22	22
TOE(S)-----	-	-	-	4	4	4	-	4	-	-	-	137	137	137	-	34	34
LOWER EXTREMITIES, NEC-----	-	-	-	20	20	20	1	21	-	-	-	1,071	1,071	1,071	-	54	54
BODY SYSTEMS-----	1	-	-	5	5	6	2	8	6,000	-	-	32	32	6,032	-	6	1,005
MULTIPLE PARTS OF BODY-----	4	-	3	49	52	56	11	67	24,000	-	7,800	2,767	10,567	34,567	2,600	56	617
TOTAL OR AVERAGE-----	7	2	9	395	406	413	137	550	42,000	12,000	11,610	13,985	37,595	79,595	1,290	35	193

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, 1990

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		TEMPO- RARY												TOTAL NFDL
		TOTAL	PARTIAL													
UNDERGROUND MINES:																
UNDERGROUND:																
ASPHYXIATION/DROWNING----	-	-	-	1	1	1	-	1	-	.11	.11	-	.11	-	(*)	(*)
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	.11	.11	-	.11	-	(*)	(*)
CONTUSION OR BRUISE-----	-	-	-	19	19	19	-	19	-	2.17	2.17	-	2.17	-	30	30
CUT OR PUNCTURE-----	-	-	-	11	11	11	6	17	-	1.26	1.26	.68	1.94	-	31	31
DISLOCATION-----	-	-	-	2	2	2	-	2	-	.23	.23	-	.23	-	1	1
DUST IN EYE-----	-	-	-	1	1	1	-	1	-	.11	.11	-	.11	-	(*)	(*)
FRACTURE-----	-	-	-	9	9	9	3	12	-	1.03	1.03	.34	1.37	-	39	39
HERNIA (NOT DISC)-----	-	-	-	1	1	1	-	1	-	.11	.11	-	.11	-	4	4
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	.11	.11	-	.11	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	-	43	43	43	2	45	-	4.91	4.91	.23	5.14	-	170	170
MULTIPLE INJURIES-----	-	-	-	6	6	6	1	7	-	.68	.68	.11	.80	-	16	16
UNCLASSIFIED (NO DATA)----	-	-	-	9	9	9	1	10	-	1.03	1.03	.11	1.14	-	37	37
TOTAL OR AVERAGE-----	-	-	-	104	104	104	13	117	-	11.87	11.87	1.48	13.35	-	328	328
SURFACE AT UNDERGROUND:																
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	.06	.06	-	.06	-	3	3
CHEMICAL BURN-----	-	-	-	2	2	2	-	2	-	.12	.12	-	.12	-	16	16
CONTUSION OR BRUISE-----	2	-	-	13	13	15	4	19	.12	.77	.89	.24	1.12	708	22	731
CUT OR PUNCTURE-----	-	-	-	5	5	5	9	14	-	.30	.30	.53	.83	-	1	1
DUST IN EYE-----	-	-	-	1	1	1	-	1	-	.06	.06	-	.06	-	(*)	(*)
ELECTRIC SHOCK-----	1	-	-	1	1	2	-	2	.06	.06	.12	-	.12	354	1	355
FRACTURE-----	-	-	-	8	8	8	-	8	-	.47	.47	-	.47	-	47	47
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	.06	.06	-	.06	-	3	3
RADIATION/ULTRA VIOLET----	-	-	-	-	-	-	1	1	-	-	-	.06	.06	-	-	-
SCRATCH/ABRASION-----	-	-	-	-	-	-	1	1	-	-	-	.06	.06	-	-	-
STRAIN/SPRAIN-----	-	-	-	10	10	10	2	12	-	.59	.59	.12	.71	-	46	46
MULTIPLE INJURIES-----	-	-	-	10	10	10	1	11	-	.59	.59	.06	.65	-	41	41
OTHER INJURY, NEC-----	-	-	-	-	-	-	1	1	-	-	-	.06	.06	-	-	-
UNCLASSIFIED (NO DATA)----	-	1	-	5	6	6	-	6	-	.35	.35	-	.35	-	360	360
TOTAL OR AVERAGE-----	3	1	1	56	58	61	19	80	.18	3.42	3.60	1.12	4.72	1,062	540	1,603
TOTAL OR AVERAGE, UG:																
ASPHYXIATION/DROWNING----	-	-	-	1	1	1	-	1	-	.04	.04	-	.04	-	(*)	(*)
BURN/SCALD (NOT CHEM.)----	-	-	-	2	2	2	-	2	-	.08	.08	-	.08	-	2	2
CHEMICAL BURN-----	-	-	-	2	2	2	-	2	-	.08	.08	-	.08	-	11	11
CONTUSION OR BRUISE-----	2	-	-	32	32	34	4	38	.08	1.24	1.32	.16	1.48	467	25	492
CUT OR PUNCTURE-----	-	-	-	16	16	16	15	31	-	.62	.62	.58	1.21	-	11	11
DISLOCATION-----	-	-	-	2	2	2	-	2	-	.08	.08	-	.08	-	(*)	(*)
DUST IN EYE-----	-	-	-	2	2	2	-	2	-	.08	.08	-	.08	-	(*)	(*)
ELECTRIC SHOCK-----	1	-	-	1	1	2	-	2	.04	.04	.08	-	.08	233	1	234
FRACTURE-----	-	-	-	17	17	17	3	20	-	.66	.66	.12	.78	-	44	44
HERNIA (NOT DISC)-----	-	-	1	1	2	2	-	2	-	.08	.08	-	.08	-	3	3
RADIATION/ULTRA VIOLET----	-	-	-	-	-	-	1	1	-	-	-	.04	.04	-	-	-
SCRATCH/ABRASION-----	-	-	-	1	1	1	1	2	-	.04	.04	.04	.08	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	-	53	53	53	4	57	-	2.06	2.06	.16	2.22	-	88	88
MULTIPLE INJURIES-----	-	-	-	16	16	16	2	18	-	.62	.62	.08	.70	-	32	32
OTHER INJURY, NEC-----	-	-	-	-	-	-	1	1	-	-	-	.04	.04	-	-	-
UNCLASSIFIED (NO DATA)----	-	1	-	14	15	15	1	16	-	.58	.58	.04	.62	-	250	250
TOTAL OR AVERAGE-----	3	1	1	160	162	165	32	197	.12	6.30	6.42	1.24	7.66	700	468	1,168

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, 1990 (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													
SURFACE MINES:																
STRIP:																
AMPUTATION/ENUCLEATION--	-	-	1	-	1	1	-	1	-	.02	.02	-	.02	-	1	1
BURN/SCALD (NOT CHEM.)--	-	-	-	6	6	6	2	8	-	.10	.10	.03	.14	-	1	1
CHEMICAL BURN--	-	-	-	1	1	1	-	1	-	.02	.02	-	.02	-	(*)	(*)
CONCUSSION (CEREBRAL)--	-	-	-	1	1	1	-	1	-	.02	.02	-	.02	-	(*)	(*)
CONTUSION OR BRUISE--	1	-	-	18	18	19	6	25	.02	.31	.33	.10	.44	105	4	109
CUT OR PUNCTURE--	-	-	-	13	13	13	26	39	-	.23	.23	.45	.68	-	6	6
DISLOCATION--	-	-	-	4	4	4	1	5	-	.07	.07	.02	.09	-	3	3
DUST IN EYE--	-	-	-	6	6	6	7	13	-	.10	.10	.12	.23	-	(*)	(*)
FRACTURE--	-	-	3	12	15	15	2	17	-	.26	.26	.03	.30	-	130	130
HERNIA (NOT DISC)--	-	-	1	-	1	1	-	1	-	.02	.02	-	.02	-	1	1
POISONING (SYSTEMIC)--	-	-	-	1	1	1	1	2	-	.02	.02	.02	.03	-	(*)	(*)
RADIATION/ULTRA VIOLET--	-	-	-	-	-	-	2	2	-	-	-	.03	.03	-	-	-
SCRATCH/ABRASION--	-	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	-
STRAIN/SPRAIN--	-	-	1	44	45	45	4	49	-	.79	.79	.07	.86	-	44	44
MULTIPLE INJURIES--	2	-	-	14	14	16	-	16	.03	.24	.28	-	.28	210	19	229
OTHER INJURY, NEC--	-	-	-	3	3	3	-	3	-	.05	.05	-	.05	-	3	3
UNCLASSIFIED (NO DATA)--	-	-	1	3	4	4	2	6	-	.07	.07	.03	.10	-	53	53
TOTAL OR AVERAGE-----	3	-	7	126	133	136	54	190	.05	2.32	2.38	.94	3.32	314	265	580
AUGER:																
CUT OR PUNCTURE--	-	-	-	1	1	1	1	2	-	.96	.96	.96	1.92	-	2	2
FRACTURE--	-	-	-	1	1	1	-	1	-	.96	.96	-	.96	-	96	96
STRAIN/SPRAIN--	-	-	-	1	1	1	1	2	-	.96	.96	.96	1.92	-	18	18
MULTIPLE INJURIES--	-	-	-	1	1	1	-	1	-	.96	.96	-	.96	-	16	16
TOTAL OR AVERAGE-----	-	-	-	4	4	4	2	6	-	3.85	3.85	1.92	5.77	-	133	133
CULM BANK:																
MULTIPLE INJURIES--	-	-	-	1	1	1	-	1	-	1.56	1.56	-	1.56	-	86	86
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	1.56	1.56	-	1.56	-	86	86

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, 1990 (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													
TOTAL OR AVERAGE, SURFACE:																
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	.02	.02	-	.02	-	1	1
BURN/SCALD (NOT CHEM.)----	-	-	-	6	6	6	2	8	-	.10	.10	.03	.14	-	1	1
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	.02	.02	-	.02	-	(*)	(*)
CONCUSSION (CEREBRAL)-----	-	-	-	1	1	1	-	1	-	.02	.02	-	.02	-	(*)	(*)
CONTUSION OR BRUISE-----	1	-	-	18	18	19	6	25	.02	.30	.32	.10	.42	102	4	105
CUT OR PUNCTURE-----	-	-	-	14	14	14	27	41	-	.24	.24	.46	.69	-	6	6
DISLOCATION-----	-	-	-	4	4	4	1	5	-	.07	.07	.02	.08	-	3	3
DUST IN EYE-----	-	-	-	6	6	6	7	13	-	.10	.10	.12	.22	-	(*)	(*)
FRACTURE-----	-	-	3	13	16	16	2	18	-	.27	.27	.03	.30	-	127	127
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	.02	.02	-	.02	-	1	1
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	1	2	-	.02	.02	.02	.03	-	(*)	(*)
RADIATION/ULTRA VIOLET-----	-	-	-	-	-	-	2	2	-	-	-	.03	.03	-	-	-
SCRATCH/ABRASION-----	-	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	-
STRAIN/SPRAIN-----	-	-	1	45	46	46	5	51	-	.78	.78	.08	.86	-	43	43
MULTIPLE INJURIES-----	2	-	-	16	16	18	-	18	.03	.27	.30	-	.30	203	20	223
OTHER INJURY, NEC-----	-	-	-	3	3	3	-	3	-	.05	.05	-	.05	-	3	3
UNCLASSIFIED (NO DATA)----	-	-	1	3	4	4	2	6	-	.07	.07	.03	.10	-	51	51
TOTAL OR AVERAGE-----	3	-	7	131	138	141	56	197	.05	2.34	2.39	.95	3.33	305	260	565
TOTAL OR AVERAGE, MINING:																
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	.01	.01	-	.01	-	1	1
ASPHYXIATION/DROWNING-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
BURN/SCALD (NOT CHEM.)----	-	-	-	8	8	8	2	10	-	.09	.09	.02	.12	-	1	1
CHEMICAL BURN-----	-	-	-	3	3	3	-	3	-	.04	.04	-	.04	-	3	3
CONCUSSION (CEREBRAL)-----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
CONTUSION OR BRUISE-----	3	-	-	50	50	53	10	63	.04	.59	.62	.12	.74	212	10	223
CUT OR PUNCTURE-----	-	-	-	30	30	30	42	72	-	.35	.35	.50	.85	-	8	8
DISLOCATION-----	-	-	-	6	6	6	1	7	-	.07	.07	.01	.08	-	2	2
DUST IN EYE-----	-	-	-	8	8	8	7	15	-	.09	.09	.08	.18	-	(*)	(*)
ELECTRIC SHOCK-----	1	-	-	1	1	2	-	2	.01	.01	.02	-	.02	71	(*)	71
FRACTURE-----	-	-	3	30	33	33	5	38	-	.39	.39	.06	.45	-	102	102
HERNIA (NOT DISC)-----	-	-	2	1	3	3	-	3	-	.04	.04	-	.04	-	2	2
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	1	2	-	.01	.01	.01	.02	-	(*)	(*)
RADIATION/ULTRA VIOLET-----	-	-	-	-	-	-	3	3	-	-	-	.04	.04	-	-	-
SCRATCH/ABRASION-----	-	-	-	1	1	1	2	3	-	.01	.01	.02	.04	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	1	98	99	99	9	108	-	1.17	1.17	.11	1.27	-	57	57
MULTIPLE INJURIES-----	2	-	-	32	32	34	2	36	.02	.38	.40	.02	.42	142	24	165
OTHER INJURY, NEC-----	-	-	-	3	3	3	1	4	-	.04	.04	.01	.05	-	2	2
UNCLASSIFIED (NO DATA)----	-	1	1	17	19	19	3	22	-	.22	.22	.04	.26	-	112	112
TOTAL OR AVERAGE-----	6	1	8	291	300	306	88	394	.07	3.54	3.61	1.04	4.65	425	323	748
INDEPENDENT SHOPS:																
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	99.99	99.99	-	99.99	-	5,929	5,929
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	99.99	99.99	-	99.99	-	5,929	5,929

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, 1990 (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													
PROCESSING PLANTS:																
ASPHYXIATION/DROWNING-----	-	-	-	2	2	2	-	2	-	.09	.09	-	.09	-	1	1
BURN/SCALD (NOT CHEM.)-----	-	-	-	2	2	2	2	4	-	.09	.09	.09	.18	-	2	2
CHEMICAL BURN-----	-	-	-	5	5	5	-	5	-	.22	.22	-	.22	-	1	1
CONTUSION OR BRUISE-----	1	-	-	16	16	17	6	23	.04	.71	.75	.26	1.02	265	33	298
CUT OR PUNCTURE-----	-	-	-	11	11	11	19	30	-	.49	.49	.84	1.33	-	7	7
DISLOCATION-----	-	-	-	2	2	2	1	3	-	.09	.09	.04	.13	-	3	3
DUST IN EYE-----	-	-	-	-	-	-	1	1	-	-	-	.04	.04	-	-	-
FRACTURE-----	-	1	-	12	13	13	3	16	-	.57	.57	.13	.71	-	302	302
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	.04	.04	-	.04	-	2	2
POISONING (SYSTEMIC)-----	-	-	-	-	-	-	1	1	-	-	-	.04	.04	-	-	-
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	.04	.04	-	.04	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	-	30	30	30	11	41	-	1.33	1.33	.49	1.81	-	42	42
MULTIPLE INJURIES-----	-	-	-	8	8	8	4	12	-	.35	.35	.18	.53	-	20	20
OTHER INJURY, NEC-----	-	-	-	3	3	3	-	3	-	.13	.13	-	.13	-	(*)	(*)
UNCLASSIFIED (NO DATA)-----	-	-	-	8	8	8	-	8	-	.35	.35	-	.35	-	33	33
TOTAL OR AVERAGE-----	1	1	1	100	102	103	48	151	.04	4.51	4.55	2.12	6.67	265	447	712

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, 1990 (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		TEMPO- RARY	TOTAL NFDL											
		TOTAL	PARTIAL													
TOTAL OR AVERAGE.																
ALL MINES AND PLANTS:																
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	.01	.01	-	.01	-	1	1
ASPHYXIATION/DROWNING----	-	-	-	3	3	3	-	3	-	.03	.03	-	.03	-	(*)	(*)
BURN/SCALD (NOT CHEM.)----	-	-	-	10	10	10	4	14	-	.09	.09	.04	.13	-	1	1
CHEMICAL BURN-----	-	-	-	8	8	8	-	8	-	.07	.07	-	.07	-	3	3
CONCUSSION (CEREBRAL)----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
CONTUSION OR BRUISE-----	4	-	-	67	67	71	16	87	.04	.62	.66	.15	.81	223	15	239
CUT OR PUNCTURE-----	-	-	-	41	41	41	61	102	-	.38	.38	.57	.95	-	7	7
DISLOCATION-----	-	-	-	8	8	8	2	10	-	.07	.07	.02	.09	-	2	2
DUST IN EYE-----	-	-	-	8	8	8	8	16	-	.07	.07	.07	.15	-	(*)	(*)
ELECTRIC SHOCK-----	1	-	-	1	1	2	-	2	.01	.01	.02	-	.02	56	(*)	56
FRACTURE-----	-	1	3	42	46	46	8	54	-	.43	.43	.07	.50	-	144	144
HERNIA (NOT DISC)-----	-	-	3	1	4	4	-	4	-	.04	.04	-	.04	-	2	2
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	2	3	-	.01	.01	.02	.03	-	(*)	(*)
RADIATION/ULTRA VIOLET-----	-	-	-	-	-	-	3	3	-	-	-	.03	.03	-	-	-
SCRATCH/ABRASION-----	-	-	-	2	2	2	2	4	-	.02	.02	.02	.04	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	1	128	129	129	20	149	-	1.20	1.20	.19	1.39	-	54	54
MULTIPLE INJURIES-----	2	-	-	40	40	42	6	48	.02	.37	.39	.06	.45	112	23	135
OTHER INJURY, NEC-----	-	-	-	6	6	6	1	7	-	.06	.06	.01	.07	-	2	2
UNCLASSIFIED (NO DATA)----	-	1	1	25	27	27	3	30	-	.25	.25	.03	.28	-	95	95
TOTAL OR AVERAGE-----	7	2	9	392	403	410	136	546	.07	3.75	3.82	1.27	5.08	391	349	740
OFFICE:																
FRACTURE-----	-	-	-	-	-	-	1	1	-	-	-	.12	.12	-	-	-
STRAIN/SPRAIN-----	-	-	-	3	3	3	-	3	-	.37	.37	-	.37	-	7	7
TOTAL OR AVERAGE-----	-	-	-	3	3	3	1	4	-	.37	.37	.12	.50	-	7	7
GRAND TOTAL OR AVERAGE:																
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	.01	.01	-	.01	-	1	1
ASPHYXIATION/DROWNING----	-	-	-	3	3	3	-	3	-	.03	.03	-	.03	-	(*)	(*)
BURN/SCALD (NOT CHEM.)----	-	-	-	10	10	10	4	14	-	.09	.09	.03	.12	-	1	1
CHEMICAL BURN-----	-	-	-	8	8	8	-	8	-	.07	.07	-	.07	-	3	3
CONCUSSION (CEREBRAL)----	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
CONTUSION OR BRUISE-----	4	-	-	67	67	71	16	87	.03	.58	.61	.14	.75	208	14	222
CUT OR PUNCTURE-----	-	-	-	41	41	41	61	102	-	.35	.35	.53	.88	-	7	7
DISLOCATION-----	-	-	-	8	8	8	2	10	-	.07	.07	.02	.09	-	2	2
DUST IN EYE-----	-	-	-	8	8	8	8	16	-	.07	.07	.07	.14	-	(*)	(*)
ELECTRIC SHOCK-----	1	-	-	1	1	2	-	2	.01	.01	.02	-	.02	52	(*)	52
FRACTURE-----	-	1	3	42	46	46	9	55	-	.40	.40	.08	.48	-	134	134
HERNIA (NOT DISC)-----	-	-	3	1	4	4	-	4	-	.03	.03	-	.03	-	2	2
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	2	3	-	.01	.01	.02	.03	-	(*)	(*)
RADIATION/ULTRA VIOLET-----	-	-	-	-	-	-	3	3	-	-	-	.03	.03	-	-	-
SCRATCH/ABRASION-----	-	-	-	2	2	2	2	4	-	.02	.02	.02	.03	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	1	131	132	132	20	152	-	1.14	1.14	.17	1.32	-	50	50
MULTIPLE INJURIES-----	2	-	-	40	40	42	6	48	.02	.35	.36	.05	.42	104	21	125
OTHER INJURY, NEC-----	-	-	-	6	6	6	1	7	-	.05	.05	.01	.06	-	2	2
UNCLASSIFIED (NO DATA)----	-	1	1	25	27	27	3	30	-	.23	.23	.03	.26	-	88	88
TOTAL OR AVERAGE-----	7	2	9	395	406	413	137	550	.06	3.52	3.58	1.19	4.76	364	326	689

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, 1990

WORK LOCATION 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
UNDERGROUND MINES:																	
UNDERGROUND:																	
ASPHYXIATION/DROWNING----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
CONTUSION OR BRUISE----	-	-	-	19	19	19	-	19	-	-	-	260	260	260	-	14	14
CUT OR PUNCTURE----	-	-	-	11	11	11	6	17	-	-	-	268	268	268	-	24	24
DISLOCATION----	-	-	-	2	2	2	-	2	-	-	-	11	11	11	-	6	6
DUST IN EYE----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
FRACTURE----	-	-	-	9	9	9	3	12	-	-	-	345	345	345	-	38	38
HERNIA (NOT DISC)----	-	-	-	1	1	1	-	1	-	-	-	33	33	33	-	33	33
SCRATCH/ABRASION----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
STRAIN/SPRAIN----	-	-	-	43	43	43	2	45	-	-	-	1,489	1,489	1,489	-	35	35
MULTIPLE INJURIES----	-	-	-	6	6	6	1	7	-	-	-	140	140	140	-	23	23
UNCLASSIFIED (NO DATA)----	-	-	-	9	9	9	1	10	-	-	-	321	321	321	-	36	36
TOTAL OR AVERAGE-----	-	-	-	104	104	104	13	117	-	-	-	2,877	2,877	2,877	-	28	28
SURFACE AT UNDERGROUND:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	-	43	43	43	-	43	43
CHEMICAL BURN----	-	-	-	2	2	2	-	2	-	-	-	273	273	273	-	136	136
CONTUSION OR BRUISE----	2	-	-	13	13	15	4	19	12,000	-	-	381	381	12,381	-	29	825
CUT OR PUNCTURE----	-	-	-	5	5	5	9	14	-	-	-	12	12	12	-	2	2
DUST IN EYE----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
ELECTRIC SHOCK----	1	-	-	1	1	2	-	2	6,000	-	-	15	15	6,015	-	15	3,008
FRACTURE----	-	-	-	8	8	8	-	8	-	-	-	798	798	798	-	100	100
HERNIA (NOT DISC)----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	50	-	50
RADIATION/ULTRA VIOLET----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN----	-	-	-	10	10	10	2	12	-	-	-	778	778	778	-	78	78
MULTIPLE INJURIES----	-	-	-	10	10	10	1	11	-	-	-	693	693	693	-	69	69
OTHER INJURY, NEC----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)----	-	1	-	5	6	6	-	6	6,000	-	-	105	6,105	6,105	-	21	1,018
TOTAL OR AVERAGE-----	3	1	1	56	58	61	19	80	18,000	6,000	50	3,100	9,150	27,150	50	55	445
TOTAL OR AVERAGE, UG:																	
ASPHYXIATION/DROWNING----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
BURN/SCALD (NOT CHEM.)----	-	-	-	2	2	2	-	2	-	-	-	47	47	47	-	24	24
CHEMICAL BURN----	-	-	-	2	2	2	-	2	-	-	-	273	273	273	-	136	136
CONTUSION OR BRUISE----	2	-	-	32	32	34	4	38	12,000	-	-	641	641	12,641	-	20	372
CUT OR PUNCTURE----	-	-	-	16	16	16	15	31	-	-	-	280	280	280	-	18	18
DISLOCATION----	-	-	-	2	2	2	-	2	-	-	-	11	11	11	-	6	6
DUST IN EYE----	-	-	-	2	2	2	-	2	-	-	-	6	6	6	-	3	3
ELECTRIC SHOCK----	1	-	-	1	1	2	-	2	6,000	-	-	15	15	6,015	-	15	3,008
FRACTURE----	-	-	-	17	17	17	3	20	-	-	-	1,143	1,143	1,143	-	67	67
HERNIA (NOT DISC)----	-	-	1	1	2	2	-	2	-	-	50	33	83	83	50	33	42
RADIATION/ULTRA VIOLET----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
STRAIN/SPRAIN----	-	-	-	53	53	53	4	57	-	-	-	2,267	2,267	2,267	-	43	43
MULTIPLE INJURIES----	-	-	-	16	16	16	2	18	-	-	-	833	833	833	-	52	52
OTHER INJURY, NEC----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)----	-	1	-	14	15	15	1	16	-	6,000	-	426	6,426	6,426	-	30	428
TOTAL OR AVERAGE-----	3	1	1	160	162	165	32	197	18,000	6,000	50	5,977	12,027	30,027	50	37	182

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, 1990 (CONTINUED)

WORK LOCATION 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 NFDL	PERMANENT						TEMPO- RARY	
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SURFACE MINES: STRIP:																	
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	-	60	-	60	60	60	-	60
BURN/SCALD (NOT CHEM.)----	-	-	-	6	6	6	2	8	-	-	-	75	75	75	-	12	12
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
CONCUSSION (CEREBRAL)----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
CONTUSION OR BRUISE-----	1	-	-	18	18	19	6	25	6,000	-	-	233	233	6,233	-	13	328
CUT OR PUNCTURE-----	-	-	-	13	13	13	26	39	-	-	-	357	357	-	27	27	27
DISLOCATION-----	-	-	-	4	4	4	1	5	-	-	-	162	162	-	40	40	40
DUST IN EYE-----	-	-	-	6	6	6	7	13	-	-	-	12	12	-	2	2	2
FRACTURE-----	-	-	3	12	15	15	2	17	-	-	6,600	824	7,424	7,424	2,200	69	495
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	-	50	50
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	1	2	-	-	-	3	3	-	3	3	3
RADIATION/ULTRA VIOLET----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN-----	-	-	1	44	45	45	4	49	-	-	1,800	706	2,506	2,506	1,800	16	56
MULTIPLE INJURIES-----	2	-	-	14	14	16	-	16	12,000	-	-	1,095	1,095	13,095	-	78	818
OTHER INJURY, NEC-----	-	-	-	3	3	3	-	3	-	-	-	175	175	-	58	58	58
UNCLASSIFIED (NO DATA)----	-	-	1	3	4	4	2	6	-	-	3,000	33	3,033	3,033	3,000	11	758
TOTAL OR AVERAGE-----	3	-	7	126	133	136	54	190	18,000	-	11,510	3,680	15,190	33,190	1,644	29	244
AUGER:																	
CUT OR PUNCTURE-----	-	-	-	1	1	1	1	2	-	-	-	2	2	2	-	2	2
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	100	100	100	-	100	100
STRAIN/SPRAIN-----	-	-	-	1	1	1	1	2	-	-	-	19	19	19	-	19	19
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	17	17	17	-	17	17
TOTAL OR AVERAGE-----	-	-	-	4	4	4	2	6	-	-	-	138	138	138	-	34	34
CULM BANK:																	
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55

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, 1990 (CONTINUED)

WORK LOCATION 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 NFDL	PERMANENT						TEMPO- RARY	
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, SURFACE:																	
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	1	-	-	60	-	60	60	60	-	60	
BURN/SCALD (NOT CHEM.)----	-	-	-	6	6	6	2	8	-	-	75	75	75	-	12	12	
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	1	1	1	-	1	1	
CONCUSSION (CEREBRAL)----	-	-	-	1	1	1	-	1	-	-	4	4	4	-	4	4	
CONTUSION OR BRUISE-----	1	-	-	18	18	19	6	25	6,000	-	233	233	6,233	-	13	328	
CUT OR PUNCTURE-----	-	-	-	14	14	14	27	41	-	-	359	359	359	-	26	26	
DISLOCATION-----	-	-	-	4	4	4	1	5	-	-	162	162	162	-	40	40	
DUST IN EYE-----	-	-	-	6	6	6	7	13	-	-	12	12	12	-	2	2	
FRACTURE-----	-	-	3	13	16	16	2	18	-	6,600	924	7,524	7,524	2,200	71	470	
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	50	-	50	50	50	-	50	
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	1	2	-	-	3	3	3	-	3	3	
RADIATION/ULTRA VIOLET-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	
SCRATCH/ABRASION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN-----	-	-	1	45	46	46	5	51	-	1,800	725	2,525	2,525	1,800	16	55	
MULTIPLE INJURIES-----	2	-	-	16	16	18	-	18	12,000	-	1,167	1,167	13,167	-	73	732	
OTHER INJURY, NEC-----	-	-	-	3	3	3	-	3	-	-	175	175	175	-	58	58	
UNCLASSIFIED (NO DATA)----	-	-	1	3	4	4	2	6	-	-	3,000	33	3,033	3,000	11	758	
TOTAL OR AVERAGE-----	3	-	7	131	138	141	56	197	18,000	-	11,510	3,873	15,383	33,383	1,644	30	237
TOTAL OR AVERAGE, MINING:																	
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	60	-	60	60	60	-	60	
ASPHYXIATION/DROWNING-----	-	-	-	1	1	1	-	1	-	-	1	1	1	-	1	1	
BURN/SCALD (NOT CHEM.)----	-	-	-	8	8	8	2	10	-	-	122	122	122	-	15	15	
CHEMICAL BURN-----	-	-	-	3	3	3	-	3	-	-	274	274	274	-	91	91	
CONCUSSION (CEREBRAL)----	-	-	-	1	1	1	-	1	-	-	4	4	4	-	4	4	
CONTUSION OR BRUISE-----	3	-	-	50	50	53	10	63	18,000	-	874	874	18,874	-	17	356	
CUT OR PUNCTURE-----	-	-	-	30	30	30	42	72	-	-	639	639	639	-	21	21	
DISLOCATION-----	-	-	-	6	6	6	1	7	-	-	173	173	173	-	29	29	
DUST IN EYE-----	-	-	-	8	8	8	7	15	-	-	18	18	18	-	2	2	
ELECTRIC SHOCK-----	1	-	-	1	1	2	-	2	6,000	-	15	15	6,015	-	15	3,008	
FRACTURE-----	-	-	3	30	33	33	5	38	-	6,600	2,067	8,667	8,667	2,200	69	263	
HERNIA (NOT DISC)-----	-	-	2	1	3	3	-	3	-	100	33	133	133	50	33	44	
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	1	2	-	-	3	3	3	-	3	3	
RADIATION/ULTRA VIOLET-----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	
SCRATCH/ABRASION-----	-	-	-	1	1	1	2	3	-	-	1	1	1	-	1	1	
STRAIN/SPRAIN-----	-	-	1	98	99	99	9	108	-	1,800	2,992	4,792	4,792	1,800	31	48	
MULTIPLE INJURIES-----	2	-	-	32	32	34	2	36	12,000	-	2,000	2,000	14,000	-	62	412	
OTHER INJURY, NEC-----	-	-	-	3	3	3	1	4	-	-	175	175	175	-	58	58	
UNCLASSIFIED (NO DATA)----	-	1	1	17	19	19	3	22	-	6,000	3,000	459	9,459	3,000	27	498	
TOTAL OR AVERAGE-----	6	1	8	291	300	306	88	394	36,000	6,000	11,560	9,850	27,410	63,410	1,445	34	207
INDEPENDENT SHOPS:																	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	15	15	15	-	15	15	
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	15	15	15	-	15	15	

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, 1990 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
PROCESSING PLANTS:																	
ASPHYXIATION/DROWNING-----	-	-	-	2	2	2	-	2	-	-	-	13	13	13	-	6	6
BURN/SCALD (NOT CHEM.)-----	-	-	-	2	2	2	2	4	-	-	-	37	37	37	-	18	18
CHEMICAL BURN-----	-	-	-	5	5	5	-	5	-	-	-	31	31	31	-	6	6
CONTUSION OR BRUISE-----	1	-	-	16	16	17	6	23	6,000	-	-	741	741	6,741	-	46	397
CUT OR PUNCTURE-----	-	-	-	11	11	11	19	30	-	-	-	155	155	155	-	14	14
DISLOCATION-----	-	-	-	2	2	2	1	3	-	-	-	75	75	75	-	38	38
DUST IN EYE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FRACTURE-----	-	1	-	12	13	13	3	16	-	6,000	-	838	6,838	6,838	-	70	526
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	-	50	-	50	50	50	-	50
POISONING (SYSTEMIC)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
STRAIN/SPRAIN-----	-	-	-	30	30	30	11	41	-	-	-	962	962	962	-	32	32
MULTIPLE INJURIES-----	-	-	-	8	8	8	4	12	-	-	-	458	458	458	-	57	57
OTHER INJURY, NEC-----	-	-	-	3	3	3	-	3	-	-	-	9	9	9	-	3	3
UNCLASSIFIED (NO DATA)-----	-	-	-	8	8	8	-	8	-	-	-	742	742	742	-	93	93
TOTAL OR AVERAGE-----	1	1	1	100	102	103	48	151	6,000	6,000	50	4,064	10,114	16,114	50	41	156

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, 1990 (CONTINUED)

WORK LOCATION 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMPUTATION/ENUCLEATION	-	-	1	-	1	1	-	1	-	60	-	60	60	60	-	60	
ASPHYXIATION/DROWNING	-	-	-	3	3	3	-	3	-	-	14	14	14	-	5	5	
BURN/SCALD (NOT CHEM.)	-	-	-	10	10	10	4	14	-	-	159	159	159	-	16	16	
CHEMICAL BURN	-	-	-	8	8	8	-	8	-	-	305	305	305	-	38	38	
CONCUSSION (CEREBRAL)	-	-	-	1	1	1	-	1	-	-	4	4	4	-	4	4	
CONTUSION OR BRUISE	4	-	-	67	67	71	16	87	24,000	-	1,630	1,630	25,630	-	24	361	
CUT OR PUNCTURE	-	-	-	41	41	41	61	102	-	-	794	794	794	-	19	19	
DISLOCATION	-	-	-	8	8	8	2	10	-	-	248	248	248	-	31	31	
DUST IN EYE	-	-	-	8	8	8	8	16	-	-	18	18	18	-	2	2	
ELECTRIC SHOCK	1	-	-	1	1	2	-	2	6,000	-	15	15	6,015	-	15	3,008	
FRACTURE	-	1	3	42	46	46	8	54	-	6,000	6,600	2,905	15,505	2,200	69	337	
HERNIA (NOT DISC)	-	-	3	1	4	4	-	4	-	-	150	33	183	50	33	46	
POISONING (SYSTEMIC)	-	-	-	1	1	1	2	3	-	-	-	3	3	-	3	3	
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	
SCRATCH/ABRASION	-	-	-	2	2	2	2	4	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN	-	-	1	128	129	129	20	149	-	-	1,800	3,954	5,754	1,800	31	45	
MULTIPLE INJURIES	2	-	-	40	40	42	6	48	12,000	-	-	2,458	2,458	-	61	344	
OTHER INJURY, NEC	-	-	-	6	6	6	1	7	-	-	-	184	184	-	31	31	
UNCLASSIFIED (NO DATA)	-	1	1	25	27	27	3	30	-	6,000	3,000	1,201	10,201	3,000	48	378	
TOTAL OR AVERAGE	7	2	9	392	403	410	136	546	42,000	12,000	11,610	13,929	37,539	1,290	36	194	
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FRACTURE	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN	-	-	-	3	3	3	-	3	-	-	-	56	56	-	19	19	
TOTAL OR AVERAGE	-	-	-	3	3	3	1	4	-	-	-	56	56	-	19	19	
GRAND TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMPUTATION/ENUCLEATION	-	-	1	-	1	1	-	1	-	-	60	-	60	60	60	60	
ASPHYXIATION/DROWNING	-	-	-	3	3	3	-	3	-	-	-	14	14	-	5	5	
BURN/SCALD (NOT CHEM.)	-	-	-	10	10	10	4	14	-	-	-	159	159	-	16	16	
CHEMICAL BURN	-	-	-	8	8	8	-	8	-	-	-	305	305	-	38	38	
CONCUSSION (CEREBRAL)	-	-	-	1	1	1	-	1	-	-	-	4	4	-	4	4	
CONTUSION OR BRUISE	4	-	-	67	67	71	16	87	24,000	-	-	1,630	1,630	25,630	-	24	361
CUT OR PUNCTURE	-	-	-	41	41	41	61	102	-	-	-	794	794	-	19	19	
DISLOCATION	-	-	-	8	8	8	2	10	-	-	-	248	248	-	31	31	
DUST IN EYE	-	-	-	8	8	8	8	16	-	-	-	18	18	-	2	2	
ELECTRIC SHOCK	1	-	-	1	1	2	-	2	6,000	-	-	15	15	6,015	-	15	3,008
FRACTURE	-	1	3	42	46	46	9	55	-	6,000	6,600	2,905	15,505	2,200	69	337	
HERNIA (NOT DISC)	-	-	3	1	4	4	-	4	-	-	150	33	183	50	33	46	
POISONING (SYSTEMIC)	-	-	-	1	1	1	2	3	-	-	-	3	3	-	3	3	
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	
SCRATCH/ABRASION	-	-	-	2	2	2	2	4	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN	-	-	1	131	132	132	20	152	-	-	1,800	4,010	5,810	1,800	31	44	
MULTIPLE INJURIES	2	-	-	40	40	42	6	48	12,000	-	-	2,458	2,458	-	61	344	
OTHER INJURY, NEC	-	-	-	6	6	6	1	7	-	-	-	184	184	-	31	31	
UNCLASSIFIED (NO DATA)	-	1	1	25	27	27	3	30	-	6,000	3,000	1,201	10,201	3,000	48	378	
TOTAL OR AVERAGE	7	2	9	395	406	413	137	550	42,000	12,000	11,610	13,985	37,595	1,290	35	193	

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, 1990

PART OF BODY INJURED 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					PERMANENT		TEMPO- RARY					TOTAL NFDL
		TOTAL	PARTIAL						TOTAL	PARTIAL						
EAR:																
CUT OR PUNCTURE-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	
EYE:																
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	2	-	-	-	1	1	1	-	1	
CHEMICAL BURN-----	-	-	-	3	3	3	3	-	-	-	276	276	276	-	92	
CUT OR PUNCTURE-----	-	-	-	3	3	15	18	-	-	-	10	10	10	-	3	
DUST IN EYE-----	-	-	-	8	8	8	16	-	-	-	18	18	18	-	2	
RADIATION/ULTRA VIOLET-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	
SCRATCH/ABRASION-----	-	-	-	1	1	1	2	-	-	-	1	1	1	-	1	
TOTAL OR AVERAGE-----	-	-	-	16	16	28	44	-	-	-	306	306	306	-	19	
JAW:																
CUT OR PUNCTURE-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	
MOUTH/TEETH/TONGUE:																
CUT OR PUNCTURE-----	-	-	-	-	-	5	5	-	-	-	-	-	-	-	-	
FRACTURE-----	-	-	-	-	-	5	5	-	-	-	-	-	-	-	-	
OTHER INJURY, NEC-----	-	-	-	1	1	1	1	-	-	-	1	1	1	-	1	
TOTAL OR AVERAGE-----	-	-	-	1	1	10	11	-	-	-	1	1	1	-	1	
NOSE:																
CUT OR PUNCTURE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
SCALP:																
CUT OR PUNCTURE-----	-	-	-	1	1	1	1	-	-	-	29	29	29	-	29	
TOTAL OR AVERAGE-----	-	-	-	1	1	1	1	-	-	-	29	29	29	-	29	
SKULL:																
CONTUSION OR BRUISE-----	1	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	6,000	
TOTAL OR AVERAGE-----	1	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	6,000	
FACE, NEC:																
CUT OR PUNCTURE-----	-	-	-	1	1	2	3	-	-	-	12	12	12	-	12	
SCRATCH/ABRASION-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	1	1	3	4	-	-	-	12	12	12	-	12	

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, 1990 (CONTINUED)

PART OF BODY INJURED 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
HEAD, NEC:																	
CONCUSSION (CEREBRAL)-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
CONTUSION OR BRUISE-----	1	-	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	-	6,000
CUT OR PUNCTURE-----	-	-	-	9	9	9	7	16	-	-	-	32	32	32	-	4	4
MULTIPLE INJURIES-----	-	-	-	3	3	3	1	4	-	-	-	44	44	44	-	15	15
UNCLASSIFIED (NO DATA)-----	-	1	-	4	5	5	-	5	-	6,000	-	133	6,133	6,133	-	33	1,227
TOTAL OR AVERAGE-----	1	1	-	17	18	19	8	27	6,000	6,000	-	213	6,213	12,213	-	13	643
NECK:																	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
CUT OR PUNCTURE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	97	97	97	-	97	97
STRAIN/SPRAIN-----	-	-	1	7	8	8	-	8	-	1,800	-	293	2,093	2,093	1,800	42	262
TOTAL OR AVERAGE-----	-	-	1	9	10	10	1	11	-	-	1,800	392	2,192	2,192	1,800	44	219
ELBOW:																	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
CUT OR PUNCTURE-----	-	-	-	2	2	2	-	2	-	-	-	8	8	8	-	4	4
DISLOCATION-----	-	-	-	2	2	2	-	2	-	-	-	82	82	82	-	41	41
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	5	5	5	1	6	-	-	-	91	91	91	-	18	18
FOREARM:																	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
CUT OR PUNCTURE-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
TOTAL OR AVERAGE-----	-	-	-	2	2	2	1	3	-	-	-	3	3	3	-	2	2
WRIST:																	
BURN/SCALD (NOT CHEM.)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FRACTURE-----	-	-	-	2	2	2	-	2	-	-	-	70	70	70	-	35	35
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
TOTAL OR AVERAGE-----	-	-	-	3	3	3	1	4	-	-	-	72	72	72	-	24	24
HAND:																	
BURN/SCALD (NOT CHEM.)-----	-	-	-	1	1	1	2	3	-	-	-	29	29	29	-	29	29
CONTUSION OR BRUISE-----	-	-	-	6	6	6	2	8	-	-	-	51	51	51	-	8	8
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	56	56	56	-	56	56
STRAIN/SPRAIN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
TOTAL OR AVERAGE-----	-	-	-	10	10	10	5	15	-	-	-	142	142	142	-	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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL	PERMANENT		TEMPO- RARY					TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
FINGER(S):																	
AMPUTATION/ENUCLEATION-----	-	-	1	-	1	1	-	1	-	-	60	-	60	60	60	-	60
BURN/SCALD (NOT CHEM.)-----	-	-	-	1	1	1	-	1	-	-	-	9	9	9	-	9	9
CONTUSION OR BRUISE-----	-	-	-	3	3	3	3	6	-	-	-	27	27	27	-	9	9
CUT OR PUNCTURE-----	-	-	-	6	6	6	17	23	-	-	-	251	251	251	-	42	42
FRACTURE-----	-	-	-	5	5	5	3	8	-	-	-	42	42	42	-	8	8
MULTIPLE INJURIES-----	-	-	-	5	5	5	-	5	-	-	-	95	95	95	-	19	19
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
TOTAL OR AVERAGE-----	-	-	1	21	22	22	23	45	-	-	60	428	488	488	60	20	22
UPPER EXTREMITIES, NEC:																	
BURN/SCALD (NOT CHEM.)-----	-	-	-	2	2	2	-	2	-	-	-	32	32	32	-	16	16
CHEMICAL BURN-----	-	-	-	2	2	2	-	2	-	-	-	17	17	17	-	8	8
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
CUT OR PUNCTURE-----	-	-	-	3	3	3	1	4	-	-	-	25	25	25	-	8	8
FRACTURE-----	-	-	-	4	4	4	-	4	-	-	-	170	170	170	-	42	42
STRAIN/SPRAIN-----	-	-	-	3	3	3	1	4	-	-	-	10	10	10	-	3	3
MULTIPLE INJURIES-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	15	15	15	3	18	-	-	-	255	255	255	-	17	17
ABDOMEN:																	
STRAIN/SPRAIN-----	-	-	-	1	1	1	2	3	-	-	-	4	4	4	-	4	4
TOTAL OR AVERAGE-----	-	-	-	1	1	1	2	3	-	-	-	4	4	4	-	4	4
BACK:																	
CONTUSION OR BRUISE-----	-	-	-	4	4	4	3	7	-	-	-	330	330	330	-	82	82
DISLOCATION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FRACTURE-----	-	1	1	2	4	4	-	4	-	6,000	1,800	155	7,955	7,955	1,800	78	1,989
STRAIN/SPRAIN-----	-	-	-	66	66	66	8	74	-	-	-	2,177	2,177	2,177	-	33	33
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	40	40	40	-	40	40
OTHER INJURY, NEC-----	-	-	-	2	2	2	1	3	-	-	-	94	94	94	-	47	47
UNCLASSIFIED (NO DATA)-----	-	-	-	3	3	3	1	4	-	-	-	96	96	96	-	32	32
TOTAL OR AVERAGE-----	-	1	1	78	80	80	14	94	-	6,000	1,800	2,892	10,692	10,692	1,800	37	134
CHEST:																	
CONTUSION OR BRUISE-----	-	-	-	2	2	2	-	2	-	-	-	66	66	66	-	33	33
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	13	13	13	-	13	13
FRACTURE-----	-	-	-	2	2	2	-	2	-	-	-	76	76	76	-	38	38
STRAIN/SPRAIN-----	-	-	-	1	1	1	1	2	-	-	-	5	5	5	-	5	5
UNCLASSIFIED (NO DATA)-----	-	-	-	1	1	1	-	1	-	-	-	32	32	32	-	32	32
TOTAL OR AVERAGE-----	-	-	-	7	7	7	1	8	-	-	-	192	192	192	-	27	27

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, 1990 (CONTINUED)

PART OF BODY INJURED 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
PELVIC REGION: CONTUSION OR BRUISE-----	-	-	-	2	2	2	-	2	-	-	-	5	5	5	-	2	2
DISLOCATION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HERNIA (NOT DISC)-----	-	-	3	1	4	4	-	4	-	-	150	33	183	183	50	33	46
STRAIN/SPRAIN-----	-	-	-	2	2	2	2	4	-	-	-	8	8	8	-	4	4
MULTIPLE INJURIES-----	-	-	-	2	2	2	-	2	-	-	-	241	241	241	-	120	120
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	-	-	82	82	82	-	82	82
TOTAL OR AVERAGE-----	-	-	3	8	11	11	3	14	-	-	150	369	519	519	50	46	47
SHOULDER(S): DISLOCATION-----	-	-	-	5	5	5	-	5	-	-	-	162	162	162	-	32	32
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	77	77	77	-	77	77
STRAIN/SPRAIN-----	-	-	-	5	5	5	-	5	-	-	-	527	527	527	-	105	105
TOTAL OR AVERAGE-----	-	-	-	11	11	11	-	11	-	-	-	766	766	766	-	70	70
TRUNK, NEC: CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
CUT OR PUNCTURE-----	-	-	-	3	3	3	-	3	-	-	-	92	92	92	-	31	31
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	87	87	87	-	87	87
STRAIN/SPRAIN-----	-	-	-	2	2	2	-	2	-	-	-	60	60	60	-	30	30
MULTIPLE INJURIES-----	-	-	-	4	4	4	1	5	-	-	-	183	183	183	-	46	46
UNCLASSIFIED (NO DATA)----	-	-	-	5	5	5	-	5	-	-	-	268	268	268	-	54	54
TOTAL OR AVERAGE-----	-	-	-	16	16	16	1	17	-	-	-	692	692	692	-	43	43
THIGH: BURN/SCALD (NOT CHEM.)----	-	-	-	2	2	2	-	2	-	-	-	32	32	32	-	16	16
CUT OR PUNCTURE-----	-	-	-	2	2	2	2	4	-	-	-	4	4	4	-	2	2
STRAIN/SPRAIN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	4	4	4	3	7	-	-	-	36	36	36	-	9	9
KNEE: BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	-	12	12	12	-	12	12
CONTUSION OR BRUISE-----	-	-	-	5	5	5	1	6	-	-	-	325	325	325	-	65	65
CUT OR PUNCTURE-----	-	-	-	5	5	5	2	7	-	-	-	268	268	268	-	54	54
FRACTURE-----	-	-	-	3	3	3	-	3	-	-	-	224	224	224	-	75	75
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	3	3	3	-	3	3
STRAIN/SPRAIN-----	-	-	-	15	15	15	2	17	-	-	-	432	432	432	-	29	29
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
UNCLASSIFIED (NO DATA)----	-	-	-	5	5	5	1	6	-	-	-	114	114	114	-	23	23
TOTAL OR AVERAGE-----	-	-	-	36	36	36	6	42	-	-	-	1,380	1,380	1,380	-	38	38

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, 1990 (CONTINUED)

PART OF BODY INJURED 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					PERMANENT		TEMPO- RARY					TOTAL NFDL
		TOTAL	PARTIAL						TOTAL	PARTIAL						
LOWER LEG:																
CONTUSION OR BRUISE-----	-	-	-	5	5	5	1	6	-	-	-	72	72	-	14	14
CUT OR PUNCTURE-----	-	-	-	1	1	1	1	2	-	-	-	2	2	-	2	2
FRACTURE-----	-	-	-	5	5	5	-	5	-	-	-	415	415	-	83	83
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	3	3	-	3	3
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	-	-	148	148	-	148	148
TOTAL OR AVERAGE-----	-	-	-	13	13	13	2	15	-	-	-	640	640	-	49	49
ANKLE:																
FRACTURE-----	-	-	-	2	2	2	-	2	-	-	-	385	385	-	192	192
STRAIN/SPRAIN-----	-	-	-	12	12	12	1	13	-	-	-	74	74	-	6	6
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	21	21	-	21	21
TOTAL OR AVERAGE-----	-	-	-	15	15	15	1	16	-	-	-	480	480	-	32	32
FOOT:																
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	-	1	1	-	1	1
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	6	6	-	6	6
CONTUSION OR BRUISE-----	-	-	-	12	12	12	1	13	-	-	-	83	83	-	7	7
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	31	31	-	31	31
FRACTURE-----	-	-	-	7	7	7	-	7	-	-	-	344	344	-	49	49
STRAIN/SPRAIN-----	-	-	-	2	2	2	-	2	-	-	-	7	7	-	4	4
MULTIPLE INJURIES-----	-	-	-	2	2	2	-	2	-	-	-	82	82	-	41	41
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	-	-	29	29	-	29	29
TOTAL OR AVERAGE-----	-	-	-	27	27	27	1	28	-	-	-	583	583	-	22	22
TOE(S):																
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	4	4	-	4	4
FRACTURE-----	-	-	-	2	2	2	-	2	-	-	-	52	52	-	26	26
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	81	81	-	81	81
TOTAL OR AVERAGE-----	-	-	-	4	4	4	-	4	-	-	-	137	137	-	34	34
LOWER EXTREMITIES, NEC:																
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	5	5	-	5	5
CONTUSION OR BRUISE-----	-	-	-	6	6	6	-	6	-	-	-	177	177	-	30	30
FRACTURE-----	-	-	-	4	4	4	1	5	-	-	-	655	655	-	164	164
STRAIN/SPRAIN-----	-	-	-	7	7	7	-	7	-	-	-	207	207	-	30	30
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	19	19	-	19	19
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	-	-	8	8	-	8	8
TOTAL OR AVERAGE-----	-	-	-	20	20	20	1	21	-	-	-	1,071	1,071	-	54	54
BODY SYSTEMS:																
ASPHYXIATION/DROWNING-----	-	-	-	3	3	3	-	3	-	-	-	14	14	-	5	5
ELECTRIC SHOCK-----	1	-	-	1	1	2	-	2	6,000	-	-	15	15	-	15	3,008
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	2	3	-	-	-	3	3	-	3	3
TOTAL OR AVERAGE-----	1	-	-	5	5	6	2	8	6,000	-	-	32	32	-	6	1,005

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, 1990 (CONTINUED)

PART OF BODY INJURED 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
MULTIPLE PARTS OF BODY: BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	-	43	43	43	-	43	43
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
CONTUSION OR BRUISE-----	2	-	-	17	17	19	5	24	12,000	-	-	486	486	12,486	-	29	657
CUT OR PUNCTURE-----	-	-	-	1	1	1	2	3	-	-	-	14	14	14	-	14	14
FRACTURE-----	-	-	2	-	2	2	-	2	-	-	4,800	-	4,800	4,800	2,400	-	2,400
STRAIN/SPRAIN-----	-	-	-	7	7	7	1	8	-	-	-	204	204	204	-	29	29
MULTIPLE INJURIES-----	2	-	-	19	19	21	3	24	12,000	-	-	1,728	1,728	13,728	-	91	654
UNCLASSIFIED (NO DATA)----	-	-	1	3	4	4	-	4	-	-	3,000	291	3,291	3,291	3,000	97	823
TOTAL OR AVERAGE-----	4	-	3	49	52	56	11	67	24,000	-	7,800	2,767	10,567	34,567	2,600	56	617
TOTAL OR AVERAGE:																	
AMPUTATION/NUCLEATION----	-	-	1	-	1	1	-	1	-	-	60	-	60	60	60	-	60
ASPHYXIATION/DROWNING----	-	-	-	3	3	3	-	3	-	-	-	14	14	14	-	5	5
BURN/SCALD (NOT CHEM.)----	-	-	-	10	10	10	4	14	-	-	-	159	159	159	-	16	16
CHEMICAL BURN-----	-	-	-	8	8	8	-	8	-	-	-	305	305	305	-	38	38
CONCUSSION (CEREBRAL)-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
CONTUSION OR BRUISE-----	4	-	-	67	67	71	16	87	24,000	-	-	1,630	1,630	25,630	-	24	361
CUT OR PUNCTURE-----	-	-	-	41	41	41	61	102	-	-	-	794	794	794	-	19	19
DISLOCATION-----	-	-	-	8	8	8	2	10	-	-	-	248	248	248	-	31	31
DUST IN EYE-----	-	-	-	8	8	8	8	16	-	-	-	18	18	18	-	2	2
ELECTRIC SHOCK-----	1	-	-	1	1	2	-	2	6,000	-	-	15	15	6,015	-	15	3,008
FRACTURE-----	-	1	3	42	46	46	9	55	-	6,000	6,600	2,905	15,505	15,505	2,200	69	337
HERNIA (NOT DISC)-----	-	-	3	1	4	4	-	4	-	-	150	33	183	183	50	33	46
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	2	3	-	-	-	3	3	3	-	3	3
RADIATION/ULTRA VIOLET-----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION-----	-	-	-	2	2	2	2	4	-	-	-	4	4	4	-	2	2
STRAIN/SPRAIN-----	-	-	1	131	132	132	20	152	-	-	1,800	4,010	5,810	5,810	1,800	31	44
MULTIPLE INJURIES-----	2	-	-	40	40	42	6	48	12,000	-	-	2,458	2,458	14,458	-	61	344
OTHER INJURY, NEC-----	-	-	-	6	6	6	1	7	-	-	-	184	184	184	-	31	31
UNCLASSIFIED (NO DATA)----	-	1	1	25	27	27	3	30	-	6,000	3,000	1,201	10,201	10,201	3,000	48	378
TOTAL OR AVERAGE-----	7	2	9	395	406	413	137	550	42,000	12,000	11,610	13,985	37,595	79,595	1,290	35	193

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1990

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPOWERED HAULAGE		
	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL
UNDERGROUND MINES:																																	
UNDERGROUND:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
KENTUCKY-----	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	7	1	-	-	1	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	1	-	-	-	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	1	-	-	-
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1	-	3	-	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6	-	-	-	-	-	-	-	34	4	-	6	2	-	-	-
ALL COAL-----	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6	-	-	-	-	-	-	-	34	4	-	6	2	-	-	-
SURFACE AT UG:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA-----	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	5	6	-	3	-	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	-	-	-	-	-	-	11	9	-	5	2	-	-	1
ALL COAL-----	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	-	-	-	-	-	-	11	9	-	5	2	-	-	1

TABLE 13. NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL			
UNDERGROUND MINES:																																	
UNDERGROUND:																																	
ALABAMA-----	-	-	1	-	-	1	-	-	-	-	-	-	-	-	4	-	-	2	-	-	-	-	-	-	-	-	-	-	-	11	1		
COLORADO-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	4	5		
ILLINOIS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	7	1		
KENTUCKY-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	4	-	-	-	-	-	-	-	-	1	-	-	20	2		
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	3		
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	3		
UTAH-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	4	-	-	-	-	1	-	-	-	-	-	-	19	1		
VIRGINIA-----	-	2	-	-	-	1	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	8	2		
WEST VIRGINIA-----	-	3	-	-	-	1	-	-	-	-	-	-	-	-	3	-	-	5	-	-	-	-	1	-	-	-	-	-	-	30	1		
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	-	8	2	-	-	3	-	-	-	-	-	-	-	-	15	4	-	19	-	-	1	-	-	2	1	-	1	-	-	104	13		
ALL COAL-----	-	8	2	-	-	3	-	-	-	-	-	-	-	-	15	4	-	19	-	-	1	-	2	2	1	-	1	-	-	104	13		
SURFACE AT UG:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-		
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-		
KENTUCKY-----	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	3	-	-	-	-	-	-	-	-	-	-	1	8	1		
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	7	1		
ALL COAL-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	7	1		
VIRGINIA-----	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-	2	-	3	-	-	1	-	-	-	-	-	-	-	-	10	4		
WEST VIRGINIA-----	1	5	-	-	-	1	-	-	-	-	-	-	-	-	6	1	-	7	2	-	1	-	-	-	-	-	-	-	2	28	11		
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	1	8	1	-	-	1	-	-	2	-	-	-	-	-	1	7	3	18	2	-	2	-	-	-	-	-	-	-	3	58	19		
ALL COAL-----	1	8	1	-	-	1	-	-	2	-	-	-	-	-	1	7	3	18	2	-	2	-	-	-	-	-	-	-	3	58	19		

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[illegible]

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL			
TOTAL UNDERGROUND:																																	
ALABAMA-----	-	-	1	-	1	-	-	-	-	-	-	-	-	-	4	-	-	4	-	-	-	-	-	-	-	-	-	-	-	13	5		
COLORADO-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	7	1		
ILLINOIS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	3		
KENTUCKY-----	-	2	1	-	-	-	-	-	-	-	-	-	-	1	4	-	-	7	-	-	-	-	-	-	-	1	-	1	28	1			
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4	-	-	-	-	-	-	-	-	-	-	-	10	1		
ALL COAL-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4	-	-	-	-	-	-	-	-	-	-	-	10	1		
UTAH-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	4	-	-	-	1	-	-	-	-	-	-	-	19	1		
VIRGINIA-----	-	3	-	-	1	-	2	-	-	-	-	-	-	-	1	3	-	4	-	-	1	-	-	-	-	-	-	-	-	18	6		
WEST VIRGINIA-----	1	8	-	-	1	1	-	-	-	-	-	-	-	-	9	1	-	12	2	-	1	-	1	-	-	1	-	-	2	58	12		
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	1	16	3	-	3	1	2	-	-	-	-	-	-	-	1	22	7	37	2	-	3	-	2	1	-	1	-	3	162	32			
ALL COAL-----	1	16	3	-	3	1	2	-	-	-	-	-	-	-	1	22	7	37	2	-	3	-	2	1	-	1	-	3	162	32			
SURFACE MINES:																																	
STRIP:																																	
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-		
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4		
INDIANA-----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	3			
KENTUCKY-----	1	3	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	4	-	-	-	-	-	-	1	-	-	-	1	18	3		
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	5	-		
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3		
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	4	-		
NORTH DAKOTA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2		
OHIO-----	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	3	1			
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	4	-	-	1	-	-	-	-	-	-	-	-	13	2		
ALL COAL-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	4	-	-	1	-	-	-	-	-	-	-	-	13	2		
TEXAS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	9	9	-	11	2	-	3	-	1	-	-	2	2	-	-	40	24		
VIRGINIA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-		
WEST VIRGINIA-----	-	8	1	-	-	-	-	-	-	-	-	-	-	-	7	1	-	6	1	-	-	-	-	-	-	-	-	-	-	26	5		
WYOMING-----	-	1	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	4	3	-	1	-	-	-	-	1	1	-	-	12	11		
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	2	21	2	-	-	-	-	-	-	-	-	-	-	-	27	18	1	34	6	-	5	-	1	-	4	3	3	133	54				
ALL COAL-----	2	21	2	-	-	-	-	-	-	-	-	-	-	-	27	18	1	34	6	-	5	-	1	-	4	3	3	133	54				
AUGER:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2		
ALL COAL-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2		
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2		
ALL COAL-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2		

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL			
CULM BANK:																																	
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-		
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-		
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-		
TOTAL SURFACE:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-		
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4		
INDIANA-----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	5	3		
KENTUCKY-----	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	4	-	-	-	-	-	-	-	-	-	1	18	5		
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	1	-	-	-	-	-	-		
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1	3		
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	4	1		
NORTH DAKOTA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2		
OHIO-----	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	1		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	4	-	-	1	-	-	-	-	-	-	-	14	4		
ALL COAL-----	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	4	-	-	1	-	-	-	-	-	-	-	14	4		
TEXAS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9	-	11	2	-	3	-	-	1	-	2	-	2	40	24		
VIRGINIA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5		
WEST VIRGINIA-----	-	8	1	-	-	-	-	-	-	-	-	-	-	-	-	7	1	-	8	1	-	-	-	-	-	-	-	-	-	28	5		
WYOMING-----	-	1	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	4	3	-	1	-	-	-	1	1	-	-	12	11	1		
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	2	21	3	-	-	-	-	-	-	-	-	-	-	-	-	27	18	1	36	6	-	5	-	-	2	-	4	3	3	138	56		
ALL COAL-----	2	21	3	-	-	-	-	-	-	-	-	-	-	-	-	27	18	1	36	6	-	5	-	-	2	-	4	3	3	138	56		
TOTAL MINING:																																	
ALABAMA-----	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	4	-	-	4	-	-	-	-	-	-	-	-	-	-	14	1		
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2	-		
COLORADO-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	6	5		
ILLINOIS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	7	1		
INDIANA-----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3		
KENTUCKY-----	1	5	1	-	-	-	-	-	-	-	-	-	-	-	-	1	6	2	11	-	-	-	-	-	-	-	-	2	-	46	6		
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	5	-		
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-		
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	1	3		
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	4	1		
NORTH DAKOTA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	2		
OHIO-----	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	1		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	8	-	-	1	-	-	-	-	-	-	-	-	24	5	
ALL COAL-----	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	8	-	-	1	-	-	-	-	-	-	-	-	24	5	
TEXAS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9	-	11	2	-	3	-	-	1	-	2	-	2	40	24		
UTAH-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	4	-	-	-	-	-	-	-	-	-	-	19	1		
VIRGINIA-----	-	4	-	-	1	-	-	2	-	-	-	-	-	-	-	2	3	-	4	-	-	1	-	-	-	-	-	-	-	21	6		
WEST VIRGINIA-----	1	16	1	-	1	1	-	-	-	-	-	-	-	-	-	16	2	-	20	3	-	1	-	-	1	-	-	2	-	86	17		
WYOMING-----	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	4	3	-	1	-	-	-	-	1	1	-	13	12		
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BITUMINOUS-----	3	37	6	-	3	1	-	2	-	-	-	-	-	-	-	49	25	1	73	8	-	8	-	-	4	1	5	3	6	300	88		
ALL COAL-----	3	37	6	-	3	1	-	2	-	-	-	-	-	-	-	49	25	1	73	8	-	8	-	-	4	1	5	3	6	300	88		

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPOWERED HAULAGE		
	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL
INDEPENDENT SHOPS: VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROCESSING PLANTS:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1	9	3	-	1	4	-	-	-	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	-	1	-	-	-	-	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	1	1	-	-	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	1	1	-	-	-	-	-	-	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	1	1	-	-	-	-	-	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	9	3	-	2	2	-	-	-	-	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	32	14	-	6	10	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	1	34	15	-	6	10	-	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL MINES AND PLNTS:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	1	-	-	-	-	-	-	-	-
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	1	-	-	-	-	-	-	-
INDIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	20	5	-	6	5	-	-	-	-	-	-	-
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	-	1	-	-	-	-	-	-	-	-
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	1	-	-	-	-	-	-	-	-
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	5	4	-	3	2	-	-	-	-	-	1	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	7	5	-	3	2	-	-	-	-	-	1	-
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	6	-	2	5	-	-	-	-	-	-	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	5	2	-	2	1	-	-	-	-	-	-	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	1	4	-	-	-	-	-	-	-
WEST VIRGINIA-----	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	27	10	-	8	4	-	-	-	-	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	9	-	2	1	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	1	3	-	-	-	-	1	-	-	1	-	-	5	-	-	9	1	-	7	-	2	104	44	-	27	23	-	-	-	-	2	-	-
ALL COAL-----	1	3	-	-	-	-	1	-	-	1	-	-	5	-	-	9	1	-	7	-	2	106	45	-	27	23	-	-	-	-	2	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL			
INDEPENDENT SHOPS:																																	
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
PROCESSING PLANTS:																																	
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	4	-	
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	1	
KENTUCKY-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1	-	9	3	-	-	-	-	-	-	1	-	-	-	31	11	
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	2	1	-	-	-	-	-	-	-	-	-	-	9	3	
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	4	1	
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	5	3	
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	-	1	-	-	-	-	-	-	-	-	-	9	4	
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	3	5	
VIRGINIA-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	5	-	-	-	-	-	-	-	-	1	-	-	9	4	
WEST VIRGINIA-----	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	5	1	-	13	2	-	2	-	-	-	-	-	-	1	1	32	10	
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	3	-	-	-	-	-	-	-	1	-	-	1	9	
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	4	1	
BITUMINOUS-----	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	17	7	-	33	11	-	3	-	-	-	1	3	1	-	98	47		
ALL COAL-----	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	18	7	-	34	11	-	3	-	-	-	1	3	1	-	102	48		
TOTAL MINES AND PLNTS:																																	
ALABAMA-----	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	6	-	-	5	-	-	-	-	-	1	-	-	-	-	-	18	1	
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	3	-	
COLORADO-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	6	5	
ILLINOIS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	9	2	
INDIANA-----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3	
KENTUCKY-----	1	7	1	-	-	-	-	-	-	-	-	-	-	-	-	1	12	3	-	20	3	-	-	-	-	-	-	-	-	-	77	17	
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	5	-	
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	2	1	-	-	-	-	-	-	-	-	-	-	11	3	
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	4	2	
NORTH DAKOTA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	
OHIO-----	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	1	6	1		
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	4	1	
BITUMINOUS-----	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	4	1	-	8	-	-	2	-	-	-	-	-	-	-	-	29	8	
ALL COAL-----	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	5	1	-	9	-	-	2	-	-	-	-	-	-	-	-	33	9	
TEXAS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9	-	11	2	-	3	-	-	-	-	2	2	-	-	40	24	
UTAH-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	5	1	-	-	-	1	-	-	-	-	-	-	22	6	
VIRGINIA-----	-	4	1	-	1	-	-	2	-	-	-	-	-	-	-	2	4	-	10	-	-	1	-	-	-	-	-	-	1	-	31	10	
WEST VIRGINIA-----	2	16	2	-	1	1	-	-	-	-	-	-	-	-	-	21	3	-	33	5	-	3	-	-	1	-	-	1	3	118	27		
WYOMING-----	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	4	6	-	1	-	-	-	-	1	2	-	-	14	21	
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	4	1	
BITUMINOUS-----	4	39	8	-	3	1	-	2	-	-	-	-	-	-	-	66	32	1	107	19	-	11	-	-	4	1	-	6	6	7	399	135	
ALL COAL-----	4	39	8	-	3	1	-	2	-	-	-	-	-	-	-	67	32	1	108	19	-	11	-	-	4	1	-	6	7	403	136		

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPOWERED HAULAGE		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL
OFFICE:																																	
UTAH:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
WYOMING:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
TOTAL:																																	
ANTHRACITE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-
ALL COAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-
GRAND TOTAL:																																	
ALABAMA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
ARIZONA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
COLORADO:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	1	-	-	-	-	-
ILLINOIS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	5	-	-	-	1	-	-	-	-
INDIANA:	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
KENTUCKY:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	5	-	6	5	-	-	-	-	-
LOUISIANA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
MARYLAND:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	5	1	-	1	-	-	-	-	-
MISSOURI:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-
NORTH DAKOTA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-
BITUMINOUS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	4	-	3	2	-	1	-	-
ALL COAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	5	-	-	-	-	-	-	-
TEXAS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	6	-	2	5	-	1	-	-
UTAH:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2	-	2	4	-	-	-	-
VIRGINIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA:	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	1	-	1	4	-	-	-	-
WYOMING:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	10	-	8	4	-	-	-	-
TOTAL:																																	
ANTHRACITE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-
BITUMINOUS:	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106	44	-	27	24	-	-	2	-
ALL COAL:	1	3	-	-	-	-	-	-	-	-	-	-	-	-																			

TABLE 13. NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1990 (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	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL			
OFFICE:																																	
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-		
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	
GRAND TOTAL:																																	
ALABAMA-----	-	-	1	-	1	-	-	-	-	-	-	-	-	-	6	-	-	5	-	-	-	1	-	-	-	-	-	-	-	18	1	-	
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	3	5	-	
COLORADO-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	6	2	-	
ILLINOIS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1	-	-	-	-	-	-	9	3	-	
INDIANA-----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2	-	
KENTUCKY-----	1	7	1	-	-	-	-	-	-	-	-	-	-	1	12	3	20	3	-	-	-	-	-	-	3	-	-	-	2	77	17	-	
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	1	-	-	-	-	-	-	-	-	-	-	-	11	3	-	
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	4	2	-	
NORTH DAKOTA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	
OHIO-----	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	1	6	1	-	
PENNSYLVANIA:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4	1	-
BITUMINOUS-----	-	3	1	-	-	-	-	-	-	-	-	-	-	-	4	1	8	-	-	2	-	-	-	-	-	-	-	-	-	29	8	-	
ALL COAL-----	-	3	1	-	-	-	-	-	-	-	-	-	-	-	5	1	9	-	-	2	-	-	-	-	-	-	-	-	-	33	9	-	
TEXAS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	9	9	11	2	-	3	-	1	-	2	-	-	-	-	-	40	24	-	
UTAH-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3	2	5	1	-	-	-	1	-	-	-	-	-	-	-	22	7	-	
VIRGINIA-----	-	4	1	-	1	-	-	2	-	-	-	-	-	-	2	4	10	-	-	1	-	-	-	-	-	-	-	-	-	31	10	-	
WEST VIRGINIA-----	2	16	2	1	1	1	-	-	-	-	-	-	-	-	21	3	33	5	-	3	-	1	-	-	-	-	1	3	118	27	-		
WYOMING-----	-	1	1	-	-	-	-	-	-	-	-	-	-	-	3	2	-	4	6	-	1	-	-	-	-	-	-	1	2	-	17	21	-
TOTAL:																																	
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4	1	-
BITUMINOUS-----	4	39	8	-	3	1	-	2	-	-	-	-	-	-	1	67	32	107	19	11	-	4	1	-	6	6	7	-	402	136	-		
ALL COAL-----	4	39	8	-	3	1	-	2	-	-	-	-	-	-	1	68	32	108	19	11	-	4	1	-	6	6	7	-	406	137	-		

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, 1990

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDTOOL		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-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	166	-	15	-	-	-
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	40	-	-	-	-	-
KENTUCKY-----	-	4	-	-	-	-	-	-	1	-	2	-	71	-	-	-	108	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	44	-	61	-	-	-	98	-	4	-	-	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	33	-	41	-	-	-	368	-	84	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	4	-	-	-	-	-	-	1	-	81	-	173	-	-	-	854	-	104	-	-	-
ALL COAL-----	-	4	-	-	-	-	-	-	1	-	81	-	173	-	-	-	854	-	104	-	-	-
SURFACE AT UG:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY-----	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	-	2	-	5	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270	-	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	45	-	79	-	-	-	-	-	142	-	-	-	7	-
ALL COAL-----	-	-	-	-	-	-	-	-	45	-	79	-	-	-	-	-	142	-	-	-	7	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	56	-	-	-
WEST VIRGINIA-----	6,000	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,058	-	541	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	6,000	15	-	-	-	-	20	-	45	-	79	-	-	-	-	-	6,496	-	602	-	7	-
ALL COAL-----	6,000	15	-	-	-	-	20	-	45	-	79	-	-	-	-	-	6,496	-	602	-	7	-
TOTAL UNDERGROUND:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	166	-	15	-	-	-
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	40	-	-	-	-	-
KENTUCKY-----	-	4	-	-	-	-	20	-	1	-	2	-	71	-	-	-	110	-	5	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	5	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270	-	1	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	45	-	79	-	-	-	-	-	142	-	-	-	7	-
ALL COAL-----	-	-	-	-	-	-	-	-	45	-	79	-	-	-	-	-	142	-	-	-	7	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	44	-	61	-	-	-	98	-	4	-	-	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-	56	-	-	-
WEST VIRGINIA-----	6,000	15	-	-	-	-	-	-	-	-	33	-	41	-	-	-	6,426	-	625	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	6,000	19	-	-	-	-	20	-	46	-	160	-	173	-	-	-	7,350	-	706	-	7	-
ALL COAL-----	6,000	19	-	-	-	-	20	-	46	-	160	-	173	-	-	-	7,350	-	706	-	7	-

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, 1990 (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-----	-	-	-	2	-	-	-	-	-	-	158	-	-	56	-	-	-	-	-	-	-	247
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	206	-	-	-	-	-	-	-	387
ILLINOIS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	45
KENTUCKY-----	-	90	-	-	-	-	-	-	-	-	63	-	-	105	-	-	-	-	138	-	-	582
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	3	-	-	181	-	-	-	-	-	-	-	184
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	3	-	-	181	-	-	-	-	-	-	-	184
UTAH-----	-	26	-	-	-	-	-	-	-	-	50	-	-	50	-	-	9	-	-	-	-	342
VIRGINIA-----	-	60	-	48	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	126
WEST VIRGINIA-----	-	11	-	31	-	-	-	-	-	-	25	-	-	281	-	-	61	-	-	-	-	935
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	189	-	81	-	-	-	-	-	-	300	-	-	881	-	1	70	-	138	-	-	2,877
ALL COAL-----	-	189	-	81	-	-	-	-	-	-	300	-	-	881	-	1	70	-	138	-	-	2,877
SURFACE AT UG:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	9
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
KENTUCKY-----	-	88	-	-	-	-	-	-	-	-	6,000	9	-	102	-	-	-	-	-	-	6,000	226
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	1	-	-	-	-	-	-	-	-	-	-	-	177	-	-	-	-	-	-	-	451
ALL COAL-----	-	1	-	-	-	-	-	-	-	-	-	-	-	177	-	-	-	-	-	-	-	451
VIRGINIA-----	-	58	-	-	-	45	-	-	-	-	-	-	-	81	-	47	-	-	-	-	-	306
WEST VIRGINIA-----	6,000	257	-	-	-	-	-	-	-	-	44	-	-	651	-	316	-	-	-	-	12,000	7,882
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	6,000	404	-	-	-	45	-	-	-	-	6,000	53	-	1,021	-	363	-	-	-	-	18,000	9,150
ALL COAL-----	6,000	404	-	-	-	45	-	-	-	-	6,000	53	-	1,021	-	363	-	-	-	-	18,000	9,150
TOTAL UNDERGROUND:																						
ALABAMA-----	-	-	-	2	-	-	-	-	-	-	158	-	-	65	-	-	-	-	-	-	-	256
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	207	-	-	-	-	-	-	-	388
ILLINOIS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	45
KENTUCKY-----	-	178	-	-	-	-	-	-	-	-	6,000	72	-	207	-	-	-	-	138	6,000	-	808
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	271
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	1	-	-	-	-	-	-	-	-	3	-	-	358	-	-	-	-	-	-	-	635
ALL COAL-----	-	1	-	-	-	-	-	-	-	-	3	-	-	358	-	-	-	-	-	-	-	635
UTAH-----	-	26	-	-	-	-	-	-	-	-	50	-	-	50	-	-	9	-	-	-	-	342
VIRGINIA-----	-	118	-	48	-	45	-	-	-	-	1	-	-	83	-	47	-	-	-	-	-	432
WEST VIRGINIA-----	6,000	268	-	31	-	-	-	-	-	-	69	-	-	932	-	316	-	61	-	-	12,000	8,817
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	6,000	593	-	81	-	45	-	-	-	-	6,000	353	-	1,902	-	364	-	70	-	138	18,000	12,027
ALL COAL-----	6,000	593	-	81	-	45	-	-	-	-	6,000	353	-	1,902	-	364	-	70	-	138	18,000	12,027

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDTOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
SURFACE MINES: STRIP																						
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-
INDIANA-----	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	18	-	108	-	-	-
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	-	-	-	-
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-	-	-
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-	77	-	38	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-	77	-	38	-	-	-
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	-	172	-	14	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-
WEST VIRGINIA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	-	-	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	62	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	1	-	-	-	6	-	-	-	-	54	-	-	-	4	-	442	-	380	-	14	-
ALL COAL-----	-	1	-	-	-	6	-	-	-	-	54	-	-	-	4	-	442	-	380	-	14	-
AUGER:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-	17	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-	17	-	-	-	-	-
CULM BANK:																						
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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, 1990 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
SURFACE MINES:																						
STRIP:																						
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	9
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
INDIANA-----	-	1,836	-	-	-	-	-	-	-	-	-	-	6,000	-	-	-	-	-	-	-	6,000	1,842
KENTUCKY-----	6,000	146	-	-	-	-	-	-	-	-	3,005	-	92	-	-	-	-	-	3	-	6,000	3,376
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	7	-	11	-	-	-	-	-	-	-	-	74
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-	48
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	1	-	5	-	-	-	-	-	-	-	-	49
NORTH DAKOTA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
OHIO-----	6,000	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	6,000	13
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	38	-	-	-	-	-	-	-	-	1,800	-	243	-	1	-	-	-	-	-	-	2,251
ALL COAL-----	-	38	-	-	-	-	-	-	-	-	1,800	-	243	-	1	-	-	-	-	-	-	2,251
TEXAS-----	-	11	-	-	-	-	-	-	-	-	76	-	235	-	51	-	2	-	4	-	-	677
VIRGINIA-----	-	4	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	17
WEST VIRGINIA-----	-	727	-	-	-	-	-	-	-	-	576	-	416	-	-	-	-	-	-	-	-	1,794
WYOMING-----	-	4	-	-	-	-	-	-	-	-	1,830	-	3,042	-	2	-	-	-	48	-	-	4,989
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	12,000	2,767	-	-	-	-	-	-	-	-	7,358	6,000	4,053	-	54	-	2	-	55	18,000	15,190	
ALL COAL-----	12,000	2,767	-	-	-	-	-	-	-	-	7,358	6,000	4,053	-	54	-	2	-	55	18,000	15,190	
AUGER:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-	-	19
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	2	-	-	-	-	138
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	2	-	-	-	-	138
CULM BANK:																						
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	55	-	-	-	-	-	-	-	-	55
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	55	-	-	-	-	-	-	-	-	55
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	55	-	-	-	-	-	-	-	-	55

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDTOOL		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 SURFACE:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-
INDIANA-----	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	18	-	108	-	-	-
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	-	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-	-	-
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	94	-	38	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	94	-	38	-	-	-
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	-	-	-	14	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-
WEST VIRGINIA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	-	-	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	62	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	1	-	-	-	6	-	-	-	-	-	154	-	-	4	-	459	-	380	-	14	-
ALL COAL-----	-	1	-	-	-	6	-	-	-	-	-	154	-	-	4	-	459	-	380	-	14	-
TOTAL MINING:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	216	-	15	-	-	-
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	40	-	-	-	-	-
INDIANA-----	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY-----	-	4	-	-	-	-	20	-	1	-	2	-	71	-	4	-	128	-	113	-	-	-
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	-	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-	5	-	-	-	-	-
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-	-	-
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	272	-	1	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	45	-	133	-	-	-	-	-	236	-	38	-	7	-
ALL COAL-----	-	-	-	-	-	-	-	-	45	-	133	-	-	-	-	-	236	-	38	-	7	-
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	-	172	-	14	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	44	-	61	-	-	-	98	-	4	-	-	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	56	-	-	-
WEST VIRGINIA-----	6,000	16	-	-	-	-	-	-	-	-	33	-	41	-	-	-	6,500	-	625	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	62	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	6,000	20	-	-	-	6	-	20	46	-	314	-	173	-	4	-	7,809	-	1,086	-	21	-
ALL COAL-----	6,000	20	-	-	-	6	-	20	46	-	314	-	173	-	4	-	7,809	-	1,086	-	21	-
INDEPENDENT SHOPS:																						
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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, 1990 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL SURFACE:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	9	9
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50
INDIANA-----	-	1,836	-	-	-	-	-	-	-	-	-	-	6,000	-	-	-	-	-	-	-	6,000	1,842
KENTUCKY-----	6,000	146	-	-	-	-	-	-	-	-	3,005	-	92	-	-	-	-	-	3	-	6,000	3,376
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	7	-	11	-	-	-	-	-	-	-	-	74
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-	48
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	1	-	5	-	-	-	-	-	-	-	-	49
NORTH DAKOTA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
OHIO-----	6,000	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	6,000	13
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	38	-	-	-	-	-	-	-	-	1,800	-	243	-	1	-	-	-	-	-	-	2,268
ALL COAL-----	-	38	-	-	-	-	-	-	-	-	1,800	-	243	-	1	-	-	-	-	-	-	2,268
TEXAS-----	-	11	-	-	-	-	-	-	-	-	76	-	235	-	51	-	2	-	4	-	-	677
VIRGINIA-----	-	4	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	17
WEST VIRGINIA-----	-	727	-	-	-	-	-	-	-	-	576	-	490	-	-	-	-	-	-	-	-	1,868
WYOMING-----	-	4	-	-	-	-	-	-	-	-	1,830	-	3,042	-	2	-	-	-	-	48	-	4,989
TOTAL:																						
ANTHRACITE-----	12,000	2,767	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	7,358	-	4,127	-	54	-	4	-	55	-	18,000	15,383
ALL COAL-----	12,000	2,767	-	-	-	-	-	-	-	-	7,358	-	4,127	-	54	-	4	-	55	-	18,000	15,383
TOTAL MINING:																						
ALABAMA-----	-	-	-	2	-	-	-	-	-	-	158	-	65	-	-	-	2	-	-	-	-	258
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	9
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	207	-	-	-	-	-	-	-	-	438
ILLINOIS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	45
INDIANA-----	-	1,836	-	-	-	-	-	-	-	-	-	-	6,000	-	-	-	-	-	-	-	6,000	1,842
KENTUCKY-----	6,000	324	-	-	-	-	-	-	-	-	3,077	-	299	-	-	-	-	-	141	-	12,000	4,184
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	7	-	11	-	-	-	-	-	-	-	-	74
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-	48
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	1	-	5	-	-	-	-	-	-	-	-	49
NORTH DAKOTA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
OHIO-----	6,000	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	6,000	284
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	39	-	-	-	-	-	-	-	-	1,803	-	601	-	1	-	-	-	-	-	-	2,903
ALL COAL-----	-	39	-	-	-	-	-	-	-	-	1,803	-	601	-	1	-	-	-	-	-	-	2,903
TEXAS-----	-	11	-	-	-	-	-	-	-	-	76	-	235	-	51	-	-	-	4	-	-	677
UTAH-----	-	26	-	-	-	-	-	-	-	-	50	-	50	-	-	-	9	-	-	-	-	342
VIRGINIA-----	-	122	-	48	-	45	-	-	-	-	5	-	83	-	47	-	-	-	-	-	-	449
WEST VIRGINIA-----	6,000	995	-	31	-	-	-	-	-	-	645	-	1,422	-	316	-	61	-	-	-	12,000	10,685
WYOMING-----	-	4	-	-	-	-	-	-	-	-	1,830	-	3,042	-	2	-	-	-	-	48	-	5,017
TOTAL:																						
ANTHRACITE-----	18,000	3,360	-	81	-	45	-	-	-	-	6,000	7,711	6,000	6,029	-	418	-	74	-	193	36,000	27,410
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL-----	18,000	3,360	-	81	-	45	-	-	-	-	6,000	7,711	6,000	6,029	-	418	-	74	-	193	36,000	27,410
INDEPENDENT SHOPS:																						
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	15
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	15
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	15

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDTOOL		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-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	138	-	-	-	-	-
KENTUCKY-----	-	-	-	-	-	-	-	-	168	-	-	-	-	-	9	-	202	-	4	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69	-	6	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	34	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	-	34	-	-	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	4	-	-	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	-	-	-	-	-
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	44	-	-	-	-	-	-	-	645	-	170	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	212	-	-	-	-	-	9	-	1,174	-	218	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	212	-	-	-	-	-	9	-	1,198	-	218	-	-	-
TOTAL MINES AND PLNTS:																						
ALABAMA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-	-	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	216	-	15	-	-	-
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	178	-	-	-	-	-
INDIANA-----	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY-----	-	4	-	-	-	-	20	-	169	-	2	-	71	-	13	-	330	-	117	-	-	-
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	-	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-	74	-	6	-	-	-
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-	-	-
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	272	-	1	-	-	-
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	45	-	133	-	-	-	-	-	239	-	72	-	7	-
ALL COAL-----	-	-	-	-	-	-	-	-	45	-	133	-	-	-	-	-	263	-	72	-	7	-
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	-	172	-	14	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	44	-	61	-	-	-	107	-	8	-	-	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	122	-	56	-	-	-
WEST VIRGINIA-----	6,000	16	-	-	-	-	-	-	44	-	33	-	41	-	-	-	7,145	-	795	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-	62	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-
BITUMINOUS-----	6,000	20	-	-	-	6	20	-	258	-	314	-	173	-	13	-	8,983	-	1,304	-	21	-
ALL COAL-----	6,000	20	-	-	-	6	20	-	258	-	314	-	173	-	13	-	9,007	-	1,304	-	21	-
OFFICE:																						
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-

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, 1990 (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-----	-	-	-	-	-	-	-	-	-	-	-	16	-	5	-	-	-	-	-	-	-	25
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-	198
KENTUCKY-----	-	3	-	-	-	-	-	-	-	-	-	342	-	414	-	-	-	-	-	4	-	1,146
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	29	-	122	-	-	-	-	-	-	-	226
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-	-	-	-	-	-	-	58
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	3	-	4	-	-	-	-	-	-	-	31
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	46	-	-	-	-	-	94
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	14	-	4	-	46	-	-	-	-	-	125
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	-	-	-	-	-	-	-	6,013
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	148	-	-	-	-	-	-	-	227
WEST VIRGINIA-----	6,000	-	-	-	-	-	-	-	-	-	-	266	-	919	-	27	-	-	-	-	6,000	2,071
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	3	-	4	-	-	-	-	-	-	-	31
BITUMINOUS-----	6,000	3	-	-	-	-	-	-	-	-	-	664	-	7,726	-	73	-	-	-	4	6,000	10,083
ALL COAL-----	6,000	3	-	-	-	-	-	-	-	-	-	667	-	7,730	-	73	-	-	-	4	6,000	10,114
TOTAL MINES AND PLNTS:																						
ALABAMA-----	-	-	-	2	-	-	-	-	-	-	-	174	-	70	-	-	-	2	-	-	-	283
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	28
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	207	-	-	-	-	-	-	-	438
ILLINOIS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	60	-	1	-	-	-	-	-	243
INDIANA-----	-	1,836	-	-	-	-	-	-	-	-	-	-	6,000	-	-	-	-	-	-	-	6,000	1,842
KENTUCKY-----	6,000	327	-	-	-	-	-	-	-	-	6,000	3,419	-	713	-	-	-	-	-	145	12,000	5,330
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	7	-	11	-	-	-	-	-	-	-	74
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	29	-	122	-	-	-	-	-	-	-	331
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	48
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	1	-	5	-	-	-	-	-	-	-	49
NORTH DAKOTA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
OHIO-----	6,000	-	-	-	-	-	-	-	-	-	-	11	-	58	-	-	-	-	-	-	6,000	342
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	3	-	4	-	-	-	-	-	-	-	31
BITUMINOUS-----	-	39	-	-	-	-	-	-	-	-	-	1,814	-	601	-	47	-	-	-	-	-	2,997
ALL COAL-----	-	39	-	-	-	-	-	-	-	-	-	1,817	-	605	-	47	-	-	-	-	-	3,028
TEXAS-----	-	11	-	-	-	-	-	-	-	-	-	76	-	235	-	51	-	2	-	4	-	677
UTAH-----	-	26	-	-	-	-	-	-	-	-	-	50	-	6,050	-	-	-	9	-	-	-	6,355
VIRGINIA-----	-	122	-	48	-	45	-	-	-	-	-	5	-	246	-	47	-	-	-	-	-	691
WEST VIRGINIA-----	12,000	995	-	31	-	-	-	-	-	-	-	911	-	2,341	-	343	-	61	-	-	18,000	12,756
WYOMING-----	-	4	-	-	-	-	-	-	-	-	-	1,830	-	3,042	-	2	-	-	-	48	-	5,023
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	3	-	4	-	-	-	-	-	-	-	31
BITUMINOUS-----	24,000	3,363	-	81	-	45	-	-	-	-	6,000	8,375	6,000	13,770	-	491	-	74	-	197	42,000	37,508
ALL COAL-----	24,000	3,363	-	81	-	45	-	-	-	-	6,000	8,378	6,000	13,774	-	491	-	74	-	197	42,000	37,539
OFFICE:																						
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	56
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	56
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	56

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, 1990 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDTOOL		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-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-	-	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	216	-	15	-	-	-
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	178	-	-	-	-	-
INDIANA-----	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY-----	-	4	-	-	-	-	20	-	169	-	2	-	71	-	13	-	330	-	117	-	-	-
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	-	-	-	-
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-	74	-	6	-	-	-
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-	-	-
NORTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	272	-	1	-	-	-
PENNSYLVANIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-
BITUMINOUS-----	-	-	-	-	-	-	-	-	45	-	133	-	-	-	-	-	239	-	72	-	7	-
ALL COAL-----	-	-	-	-	-	-	-	-	45	-	133	-	-	-	-	-	263	-	72	-	7	-
TEXAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112	-	172	-	14	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	44	-	61	-	-	-	107	-	8	-	-	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	122	-	56	-	-	-
WEST VIRGINIA-----	6,000	16	-	-	-	-	-	-	44	-	33	-	41	-	-	-	7,145	-	795	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	62	-	-	-
TOTAL:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-
BITUMINOUS-----	6,000	20	-	-	-	6	20	-	258	-	314	-	173	-	13	-	8,991	-	1,304	-	21	-
ALL COAL-----	6,000	20	-	-	-	6	20	-	258	-	314	-	173	-	13	-	9,015	-	1,304	-	21	-

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, 1990 (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-----	-	-	-	2	-	-	-	-	-	-	-	174	-	70	-	-	-	2	-	-	-	283
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	28
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	207	-	-	-	-	-	-	-	438
ILLINOIS-----	-	2	-	-	-	-	-	-	-	-	-	-	-	60	-	1	-	-	-	-	-	243
INDIANA-----	-	1,836	-	-	-	-	-	-	-	-	-	-	6,000	-	-	-	-	-	-	-	6,000	1,842
KENTUCKY-----	6,000	327	-	-	-	-	-	-	-	-	6,000	3,419	-	713	-	-	-	-	145	12,000	5,330	
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	7	-	11	-	-	-	-	-	-	-	74
MARYLAND-----	-	-	-	-	-	-	-	-	-	-	-	29	-	122	-	-	-	-	-	-	-	331
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	48
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	1	-	5	-	-	-	-	-	-	-	49
NORTH DAKOTA-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
OHIO-----	6,000	-	-	-	-	-	-	-	-	-	-	11	-	58	-	-	-	-	-	-	6,000	342
PENNSYLVANIA:																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	3	-	4	-	-	-	-	-	-	-	31
BITUMINOUS-----	-	39	-	-	-	-	-	-	-	-	-	1,814	-	601	-	47	-	-	-	-	-	2,997
ALL COAL-----	-	39	-	-	-	-	-	-	-	-	-	1,817	-	605	-	47	-	-	-	-	-	3,028
TEXAS-----	-	11	-	-	-	-	-	-	-	-	-	76	-	235	-	51	-	-	4	-	-	677
UTAH-----	-	26	-	-	-	-	-	-	-	-	-	50	-	6,050	-	-	-	9	-	-	-	6,355
VIRGINIA-----	-	122	-	48	-	45	-	-	-	-	-	5	-	246	-	47	-	-	-	-	-	691
WEST VIRGINIA-----	12,000	995	-	31	-	-	-	-	-	-	-	911	-	2,341	-	343	-	61	-	-	18,000	12,756
WYOMING-----	-	4	-	-	-	-	-	-	-	-	-	1,878	-	3,042	-	2	-	-	-	48	-	5,079
TOTAL :																						
ANTHRACITE-----	-	-	-	-	-	-	-	-	-	-	-	3	-	4	-	-	-	-	-	-	-	31
BITUMINOUS-----	24,000	3,363	-	81	-	45	-	-	-	-	6,000	8,423	6,000	13,770	-	491	-	74	-	197	42,000	37,564
ALL COAL-----	24,000	3,363	-	81	-	45	-	-	-	-	6,000	8,426	6,000	13,774	-	491	-	74	-	197	42,000	37,595

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, 1990

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND:																	
CLEANUP/VENTILATION-----	-	-	-	1	1	1	-	1	-	-	65	65	65	-	65	65	
DRILL OPERATOR-----	-	-	-	23	23	23	-	23	-	-	543	543	543	-	24	24	
ELECTRICIAN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
HAUL DUMP-----	-	-	-	2	2	2	1	3	-	-	57	57	57	-	28	28	
HOIST/CAGE/SKIP-----	-	-	-	2	2	2	-	2	-	-	32	32	32	-	16	16	
LABORER-----	-	-	-	47	47	47	9	56	-	-	961	961	961	-	20	20	
MECHANIC/MAINTENANCE-----	-	-	-	3	3	3	-	3	-	-	135	135	135	-	45	45	
MINING MACH. OPR-----	-	-	-	1	1	1	-	1	-	-	2	2	2	-	2	2	
POWDERMAN/BLASTER-----	-	-	-	1	1	1	-	1	-	-	23	23	23	-	23	23	
ROCK/ROOF BOLTER-----	-	-	-	2	2	2	-	2	-	-	215	215	215	-	108	108	
SUPERVISOR/FOREMAN-----	-	-	-	10	10	10	1	11	-	-	483	483	483	-	48	48	
TECH./PROF./CLERICAL-----	-	-	-	3	3	3	-	3	-	-	43	43	43	-	14	14	
WELDER/MACHINIST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
N.E.C. OR UNKNOWN-----	-	-	-	9	9	9	-	9	-	-	318	318	318	-	35	35	
TOTAL OR AVERAGE-----	-	-	-	104	104	104	13	117	-	-	2,877	2,877	2,877	-	28	28	
SURFACE AT UNDERGROUND:																	
BULLDOZER/MOBILE EQUIP.-----	-	-	-	1	1	1	1	2	-	-	5	5	5	-	5	5	
DRAG/CRAVE/SHOVEL OPR-----	-	-	-	5	5	5	1	6	-	-	192	192	192	-	38	38	
DRILL OPERATOR-----	1	-	-	10	10	11	5	16	6,000	-	530	530	6,530	-	53	594	
ELECTRICIAN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
FRONT END LOADER-----	-	-	-	1	1	1	1	2	-	-	1	1	1	-	1	1	
HOIST/CAGE/SKIP-----	1	-	-	1	1	2	-	2	6,000	-	4	4	6,004	-	4	3,002	
LABORER-----	-	-	-	6	6	6	4	10	-	-	339	339	339	-	56	56	
MECHANIC/MAINTENANCE-----	-	-	-	4	4	4	3	7	-	-	53	53	53	-	13	13	
SUPERVISOR/FOREMAN-----	-	-	-	2	2	2	1	3	-	-	11	11	11	-	6	6	
TIMBERMAN/JACKSETTER-----	-	-	-	1	1	1	-	1	-	-	4	4	4	-	4	4	
TRUCK DRIVER-----	1	-	-	16	16	17	2	19	6,000	-	1,635	1,635	7,635	-	102	449	
WELDER/MACHINIST-----	-	-	-	3	3	3	-	3	-	-	200	200	200	-	67	67	
N.E.C. OR UNKNOWN-----	-	1	1	6	8	8	-	8	-	6,000	50	126	6,176	50	21	772	
TOTAL OR AVERAGE-----	3	1	1	56	58	61	19	80	18,000	6,000	50	3,100	9,150	50	55	445	

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL	PERMANENT						TEMPO- RARY	
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, UG:																	
BULLDOZER/MOBILE EQUIP. ---	-	-	-	1	1	1	1	2	-	-	-	5	5	5	-	5	5
CLEANUP/VENTILATION-----	-	-	-	1	1	1	1	1	-	-	-	65	65	65	-	65	65
DRAG/CRAVE/SHOVEL OPR. ---	-	-	-	5	5	5	1	6	-	-	-	192	192	192	-	38	38
DRILL OPERATOR-----	1	-	-	33	33	34	5	39	6,000	-	-	1,073	1,073	7,073	-	33	208
ELECTRICIAN-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
FRONT END LOADER-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
HAUL, DUMP-----	-	-	-	2	2	2	1	3	-	-	-	57	57	57	-	28	28
HOTIS/CAGE/SKIP-----	1	-	-	3	3	4	-	4	6,000	-	-	36	36	6,036	-	12	1,509
LABORER-----	-	-	-	53	53	53	13	66	-	-	-	1,300	1,300	1,300	-	25	25
MECHANIC/MAINTENANCE-----	-	-	-	7	7	7	3	10	-	-	-	188	188	188	-	27	27
MINING MACH. OPR.-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
POWDERMAN/BLASTER-----	-	-	-	1	1	1	-	1	-	-	-	23	23	23	-	23	23
ROCK/ROOF BOLTER-----	-	-	-	2	2	2	-	2	-	-	-	215	215	215	-	108	108
SUPERVISOR/FOREMAN-----	-	-	-	12	12	12	2	14	-	-	-	494	494	494	-	41	41
TECH./PROF./CLERICAL-----	-	-	-	3	3	3	-	3	-	-	-	43	43	43	-	14	14
TIMBERMAN/JACKSETTER-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
TRUCK DRIVER-----	1	-	-	16	16	17	2	19	6,000	-	-	1,635	1,635	7,635	-	102	449
WELDER/MACHINIST-----	-	-	-	3	3	3	1	4	-	-	-	200	200	200	-	67	67
N.E.C. OR UNKNOWN-----	-	1	1	15	17	17	-	17	-	6,000	50	444	6,494	6,494	50	30	382
TOTAL OR AVERAGE-----	3	1	1	160	162	165	32	197	18,000	6,000	50	5,977	12,027	30,027	50	37	182
SURFACE MINES:																	
STRIP:																	
BULLDOZER/MOBILE EQUIP. -	-	-	2	10	12	12	2	14	-	-	4,800	231	5,031	5,031	2,400	23	419
DRILL OPERATOR-----	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
ELECTRICIAN-----	-	-	-	12	12	12	1	13	-	-	-	53	53	53	-	4	4
FRONT END LOADER-----	-	-	-	2	2	2	1	3	-	-	-	5	5	5	-	2	2
LABORER-----	1	-	1	26	27	28	6	34	6,000	-	3,000	1,034	4,034	10,034	3,000	40	358
MECHANIC/MAINTENANCE-----	-	-	3	13	16	16	12	28	-	-	3,660	104	3,764	3,764	1,220	8	235
MINING MACH. OPR.-----	-	-	-	1	1	1	-	1	-	-	-	16	16	16	-	16	16
POWDERMAN/BLASTER-----	-	-	-	2	2	2	-	2	-	-	-	59	59	59	-	30	30
SUPERVISOR/FOREMAN-----	-	-	-	4	4	4	7	11	-	-	-	126	126	126	-	32	32
TECH./PROF./CLERICAL-----	-	-	-	1	1	1	-	1	-	-	-	31	31	31	-	31	31
TRUCK DRIVER-----	2	-	-	32	32	34	3	37	12,000	-	-	1,718	1,718	13,718	-	54	403
WELDER/MACHINIST-----	-	-	1	14	15	15	15	30	-	-	50	235	285	285	50	17	19
N.E.C. OR UNKNOWN-----	-	-	-	8	8	8	6	14	-	-	-	67	67	67	-	8	8
TOTAL OR AVERAGE-----	3	-	7	126	133	136	54	190	18,000	-	11,510	3,680	15,190	33,190	1,644	29	244
AUGER:																	
LABORER-----	-	-	-	1	1	1	2	3	-	-	-	17	17	17	-	17	17
MINING MACH. OPR.-----	-	-	-	3	3	3	-	3	-	-	-	121	121	121	-	40	40
TOTAL OR AVERAGE-----	-	-	-	4	4	4	2	6	-	-	-	138	138	138	-	34	34
CULM BANK:																	
TRUCK DRIVER-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	55	55	55	-	55	55

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, SURFACE:	-	-	2	10	12	12	2	14	-	-	4,800	231	5,031	5,031	2,400	23	419
BULLDOZER/MOBILE EQUIP.---	-	-	-	1	1	1	1	2	-	-	-	1	1	-	-	1	1
DRILL OPERATOR-----	-	-	-	12	12	12	1	13	-	-	-	53	53	-	-	4	4
ELECTRICIAN-----	-	-	-	2	2	2	1	3	-	-	-	5	5	-	-	2	2
FRONT END LOADER-----	-	-	1	27	28	29	8	37	6,000	-	3,000	1,051	4,051	10,051	3,000	39	347
LABORER-----	1	-	3	13	16	16	12	28	-	-	3,660	104	3,764	3,764	1,220	8	235
MECHANIC/MAINTENANCE-----	-	-	-	4	4	4	-	4	-	-	-	137	137	-	-	34	34
MINING MACH. OPR.-----	-	-	-	2	2	2	-	2	-	-	-	59	59	-	-	30	30
POWDERMAN/BLASTER-----	-	-	-	4	4	4	7	11	-	-	-	126	126	-	-	32	32
SUPERVISOR/FOREMAN-----	-	-	-	1	1	1	-	1	-	-	-	31	31	-	-	31	31
TECH./PROF./CLERICAL-----	2	-	-	33	33	35	3	38	12,000	-	-	1,773	1,773	13,773	-	54	394
TRUCK DRIVER-----	-	-	1	14	15	15	15	30	-	-	50	235	285	285	50	17	19
WELDER/MACHINIST-----	-	-	-	8	8	8	6	14	-	-	-	67	67	-	-	8	8
N.E.C. OR UNKNOWN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	3	-	7	131	138	141	56	197	18,000	-	11,510	3,873	15,383	33,383	1,644	30	237
TOTAL OR AVERAGE, MINING:	-	-	2	11	13	13	3	16	-	-	4,800	236	5,036	5,036	2,400	21	387
BULLDOZER/MOBILE EQUIP.---	-	-	-	1	1	1	-	1	-	-	-	65	65	-	-	65	65
CLEANUP/VENTILATION-----	-	-	-	5	5	5	1	6	-	-	-	192	192	-	-	38	38
DRAG/CRAVE/SHOVEL OPR.---	1	-	-	34	34	35	6	41	6,000	-	-	1,074	1,074	7,074	-	32	202
DRILL OPERATOR-----	-	-	-	12	12	12	3	15	-	-	-	53	53	-	-	4	4
ELECTRICIAN-----	-	-	-	3	3	3	2	5	-	-	-	6	6	-	-	2	2
FRONT END LOADER-----	-	-	-	2	2	2	1	3	-	-	-	57	57	-	-	28	28
HAUL, DUMP-----	1	-	-	3	3	4	-	4	6,000	-	-	36	36	6,036	-	12	1,509
HOIST/CAGE/SKIP-----	1	-	1	80	81	82	21	103	6,000	-	3,000	2,351	5,351	11,351	3,000	29	138
LABORER-----	-	-	3	20	23	23	15	38	-	-	3,660	292	3,952	3,952	1,220	15	172
MECHANIC/MAINTENANCE-----	-	-	-	5	5	5	-	5	-	-	-	139	139	-	-	28	28
MINING MACH. OPR.-----	-	-	-	3	3	3	-	3	-	-	-	82	82	-	-	27	27
POWDERMAN/BLASTER-----	-	-	-	2	2	2	-	2	-	-	-	215	215	-	-	108	108
ROCK/ROOF BOLTER-----	-	-	-	16	16	16	9	25	-	-	-	620	620	-	-	39	39
SUPERVISOR/FOREMAN-----	-	-	-	4	4	4	-	4	-	-	-	74	74	-	-	18	18
TECH./PROF./CLERICAL-----	-	-	-	1	1	1	-	1	-	-	-	4	4	-	-	4	4
TIMBERMAN/JACKSETTER-----	-	-	-	49	49	52	5	57	-	-	-	3,408	3,408	21,408	-	70	412
TRUCK DRIVER-----	3	-	-	17	18	18	16	34	18,000	-	-	435	485	485	50	26	27
WELDER/MACHINIST-----	-	-	1	23	25	25	6	31	-	6,000	50	511	6,561	6,561	50	22	262
N.E.C. OR UNKNOWN-----	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	6	1	8	291	300	306	88	394	36,000	6,000	11,560	9,850	27,410	63,410	1,445	34	207
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRUCK DRIVER-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
PROCESSING PLANTS:																	
BELTMAN/BOOM OPR.-----	-	-	-	2	2	2	1	3	-	-	-	50	50	50	-	25	25
BULLDOZER/MOBILE EQUIP.---	-	-	-	2	2	2	1	3	-	-	-	44	44	44	-	22	22
DRAG/CRAVE/SHOVEL OPR.---	-	-	-	2	2	2	-	2	-	-	-	84	84	84	-	42	42
ELECTRICIAN-----	-	-	-	2	2	2	1	3	-	-	-	98	98	98	-	49	49
LABORER-----	-	1	-	27	28	28	16	44	-	6,000	-	771	6,771	6,771	-	29	242
LOADING MACH. OPR.-----	-	-	-	1	1	1	-	1	-	-	-	58	58	58	-	58	58
MECHANIC/MAINTENANCE-----	-	-	-	6	6	6	4	10	-	-	-	646	646	646	-	108	108
MINING MACH. OPR.-----	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	29
POWDERMAN/BLASTER-----	-	-	-	2	2	2	-	2	-	-	-	46	46	46	-	23	23
PREP. PLANT OPR.-----	-	-	-	4	4	4	3	7	-	-	-	94	94	94	-	24	24
RAIL TRANSP. AND HAUL-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SUPERVISOR/FOREMAN-----	-	-	-	3	3	3	5	8	-	-	-	169	169	169	-	56	56
TECH./PROF./CLERICAL-----	-	-	-	2	2	2	-	2	-	-	-	254	254	254	-	127	127
TRUCK DRIVER-----	1	-	-	14	14	15	-	15	6,000	-	-	684	684	6,684	-	49	446
WELDER/MACHINIST-----	-	-	1	12	13	13	9	22	-	-	50	459	509	509	50	38	39
N.E.C. OR UNKNOWN-----	-	-	-	20	20	20	7	27	-	-	-	578	578	578	-	29	29
TOTAL OR AVERAGE-----	1	1	1	100	102	103	48	151	6,000	6,000	50	4,064	10,114	16,114	50	41	156

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE	-	-	-	2	2	2	1	3	-	-	-	50	50	50	-	25	25
ALL MINES AND PLANTS:	-	-	-	2	13	15	4	19	-	-	4,800	280	5,080	5,080	2,400	22	339
BELTMAN/BOOM OPR.	-	-	-	1	1	1	-	1	-	-	-	65	65	65	-	65	65
BULLDOZER/MOBILE EQUIP.	-	-	2	7	7	7	1	8	-	-	-	276	276	276	-	39	39
CLEANUP/VENTILATION	-	-	-	34	34	35	6	41	6,000	-	-	1,074	1,074	7,074	-	32	202
DRAG/CRAVE/SHOVEL OPR.	-	-	-	14	14	14	4	18	-	-	-	151	151	151	-	11	11
DRILL OPERATOR	1	-	-	3	3	3	2	5	-	-	-	6	6	6	-	2	2
ELECTRICIAN	-	-	-	2	2	2	1	3	-	-	-	57	57	57	-	28	28
FRONT END LOADER	-	-	-	3	3	4	-	4	6,000	-	-	36	36	6,036	-	12	1,509
HAUL, DUMP	-	-	-	107	109	110	37	147	6,000	6,000	3,000	3,122	12,122	18,122	3,000	29	165
HUIST/CAGE/SKIP	1	-	-	1	1	1	-	1	-	-	-	58	58	58	-	58	58
LABORER	1	1	1	26	29	29	19	48	-	-	3,660	938	4,598	4,598	1,220	36	159
LOADING MACH. OPR.	-	-	-	6	6	6	-	6	-	-	-	168	168	168	-	28	28
MECHANIC/MAINTENANCE	-	-	3	5	5	5	-	5	-	-	-	128	128	128	-	26	26
MINING MACH. OPR.	-	-	-	4	4	4	3	7	-	-	-	94	94	94	-	24	24
POWDERMAN/BLASTER	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
PREP. PLANT OPR.	-	-	-	2	2	2	-	2	-	-	-	215	215	215	-	108	108
RAIL TRANSP. AND HAUL	-	-	-	19	19	19	14	33	-	-	-	789	789	789	-	42	42
ROCK/ROOF BOLTER	-	-	-	6	6	6	-	6	-	-	-	328	328	328	-	55	55
SUPERVISOR/FOREMAN	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
TECH./PROF./CLERICAL	-	-	-	64	64	68	5	73	24,000	-	-	4,107	4,107	28,107	-	64	413
TIMBERMAN/JACKSETTER	-	-	-	29	31	31	25	56	-	-	100	894	994	994	50	31	32
TRUCK DRIVER	4	-	-	43	45	45	13	58	-	6,000	50	1,089	7,139	7,139	50	25	159
WELDER/MACHINIST	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N.E.C. OR UNKNOWN	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	7	2	9	392	403	410	136	546	42,000	12,000	11,610	13,929	37,539	79,539	1,290	36	194
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABORER	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MECHANIC/MAINTENANCE	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
N.E.C. OR UNKNOWN	-	-	-	2	2	2	-	2	-	-	-	52	52	52	-	26	26
TOTAL OR AVERAGE	-	-	-	3	3	3	1	4	-	-	-	56	56	56	-	19	19

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, 1990 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE:	-	-	-	2	2	2	1	3	-	-	-	50	50	50	-	25	25
BELTMAN/BOOM OPR.-----	-	-	-	2	2	2	1	3	-	-	-	50	50	50	-	25	25
BULLDOZER/MOBILE EQUIP.---	-	-	2	13	15	15	4	19	-	-	4,800	280	5,080	2,400	22	339	339
CLEANUP/VENTILATION-----	-	-	-	1	1	1	-	1	-	-	-	65	65	65	-	65	65
DRAG/Crane/SHOVEL OPR.---	-	-	-	7	7	7	1	8	-	-	-	276	276	276	-	39	39
DRILL OPERATOR-----	1	-	-	34	34	35	6	41	6,000	-	-	1,074	1,074	7,074	-	32	202
ELECTRICIAN-----	-	-	-	14	14	14	4	18	-	-	-	151	151	151	-	11	11
FRONT END LOADER-----	-	-	-	3	3	3	2	5	-	-	-	6	6	6	-	2	2
HAUL, DUMP-----	-	-	-	2	2	2	1	3	-	-	-	57	57	57	-	28	28
HOLST/CAGE/SKIP-----	1	-	-	3	3	4	-	4	6,000	-	-	36	36	6,036	-	12	1,509
LABORER-----	1	1	1	107	109	110	38	148	6,000	6,000	3,000	3,122	12,122	18,122	3,000	29	165
LOADING MACH. OPR.-----	-	-	-	1	1	1	-	1	-	-	-	58	58	58	-	58	58
MECHANIC/MAINTENANCE-----	-	-	3	27	30	30	19	49	-	-	3,650	942	4,602	1,220	35	153	153
MINING MACH. OPR.-----	-	-	-	6	6	6	-	6	-	-	-	168	168	168	-	28	28
POWDERMAN/BLASTER-----	-	-	-	5	5	5	-	5	-	-	-	128	128	128	-	26	26
PREP. PLANT OPR.-----	-	-	-	4	4	4	3	7	-	-	-	94	94	94	-	24	24
RAIL TRANSP. AND HAUL.---	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
ROCK/ROOF BOLTER-----	-	-	-	2	2	2	-	2	-	-	-	215	215	215	-	108	108
SUPERVISOR/FOREMAN-----	-	-	-	19	19	19	14	33	-	-	-	789	789	789	-	42	42
TECH./PROF./CLERICAL-----	-	-	-	6	6	6	-	6	-	-	-	328	328	328	-	55	55
TIMBERMAN/JACKSETTER-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
TRUCK DRIVER-----	4	-	-	64	64	68	5	73	24,000	-	-	4,107	4,107	28,107	-	64	413
WELDER/MACHINIST-----	-	-	2	29	31	31	25	56	-	-	100	894	994	50	31	32	
N.E.C. OR UNKNOWN-----	-	1	1	45	47	47	13	60	-	6,000	50	1,141	7,191	7,191	50	25	153
TOTAL OR AVERAGE-----	7	2	9	395	406	413	137	550	42,000	12,000	11,610	13,985	37,595	79,595	1,290	35	193

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, 1990

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND:																	
ELECTRICAL-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	-	-	-	6	6	6	-	6	-	-	-	81	81	81	-	14	14
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	-	-	-	7	7	7	-	7	-	-	-	173	173	173	-	25	25
HANDLING MATERIAL-----	-	-	-	34	34	34	-	38	-	-	-	854	854	854	-	25	25
HAND TOOL-----	-	-	-	6	6	6	-	8	-	-	-	104	104	104	-	17	17
POWERED HAULAGE-----	-	-	-	8	8	8	-	10	-	-	-	189	189	189	-	24	24
HOTSTING-----	-	-	-	3	3	3	-	3	-	-	-	81	81	81	-	27	27
MACHINERY-----	-	-	-	15	15	15	-	19	-	-	-	300	300	300	-	20	20
SLIP OR FALL OF PERSON-----	-	-	-	19	19	19	-	19	-	-	-	881	881	881	-	46	46
STEPPING OR KNEELING ON OBJECT-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
STRIKING OR BUMPING-----	-	-	-	2	2	2	-	3	-	-	-	70	70	70	-	35	35
OTHER INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	138	138	138	-	138	138
TOTAL OR AVERAGE-----	-	-	-	104	104	104	-	13	-	-	-	2,877	2,877	2,877	-	28	28
SURFACE AT UNDERGROUND:																	
ELECTRICAL-----	1	-	-	1	1	2	-	2	6,000	-	-	15	15	6,015	-	15	3,008
EXPLOSIVE AND BREAKING AGENT-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	-	-	1	1	1	-	1	-	-	-	45	45	45	-	45	45
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	-	-	-	1	1	1	-	2	-	-	-	79	79	79	-	79	79
HANDLING MATERIAL-----	-	1	1	9	11	11	-	20	6,000	50	446	6,496	6,496	6,496	50	50	591
HAND TOOL-----	-	-	-	5	5	5	-	7	-	-	-	602	602	602	-	120	120
NONPOWERED HAULAGE-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
POWERED HAULAGE-----	1	-	-	8	8	9	-	10	6,000	-	-	404	404	6,404	-	50	712
HOTSTING-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
IGNITION OR EXPLOSION OF GAS OR DUST-----	-	-	-	2	2	2	-	2	-	-	-	45	45	45	-	22	22
MACHINERY-----	1	-	-	7	7	8	-	11	6,000	-	-	53	53	6,053	-	8	757
SLIP OR FALL OF PERSON-----	-	-	-	18	18	18	-	20	-	-	-	1,021	1,021	1,021	-	57	57
STEPPING OR KNEELING ON OBJECT-----	-	-	-	2	2	2	-	2	-	-	-	363	363	363	-	182	182
TOTAL OR AVERAGE-----	3	1	1	56	58	61	-	19	18,000	6,000	50	3,100	9,150	27,150	50	55	445

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL					
		TOTAL	PARTIAL							TOTAL	PARTIAL							
TOTAL OR AVERAGE, UG:	1	-	-	2	2	3	-	3	6,000	-	-	19	19	6,019	-	10	2,006	
ELECTRICAL-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20	
EXPLOSIVE AND BREAKING AGENT-----	-	-	-	2	2	2	-	2	-	-	-	46	46	46	-	23	23	
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	-	-	7	7	7	1	8	-	-	-	160	160	160	-	23	23	
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	-	-	-	7	7	7	-	7	-	-	-	173	173	173	-	25	25	
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	-	1	1	43	45	45	13	58	-	6,000	50	1,300	7,350	7,350	50	30	163	
HANDLING MATERIAL-----	-	-	-	11	11	11	4	15	-	-	-	706	706	706	-	64	64	
HAND TOOL-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7	
NONPOWERED HAULAGE-----	1	-	-	16	16	17	3	20	6,000	-	-	593	593	6,593	-	37	388	
POWERED HAULAGE-----	-	-	-	3	3	3	1	4	-	-	-	81	81	81	-	27	27	
HOISTING-----	-	-	-	2	2	2	-	2	-	-	-	45	45	45	-	22	22	
IGNITION OR EXPLOSION OF GAS OR DUST-----	1	-	-	22	22	23	7	30	6,000	-	-	353	353	6,353	-	16	276	
MACHINERY-----	-	-	-	37	37	37	2	39	-	-	-	1,902	1,902	1,902	-	51	51	
SLIP OR FALL OF PERSON-----	-	-	-	3	3	3	-	3	-	-	-	364	364	364	-	121	121	
STEPPING OR KNEELING ON OBJECT-----	-	-	-	2	2	2	1	3	-	-	-	70	70	70	-	35	35	
STRIKING OR BUMPING-----	-	-	-	1	1	1	-	1	-	-	-	138	138	138	-	138	138	
OTHER INJURIES-----	3	1	1	160	162	165	32	197	18,000	6,000	50	5,977	12,027	30,027	50	37	182	
TOTAL OR AVERAGE-----																		
SURFACE MINES:																		
STRIP:																		
ELECTRICAL-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1	
EXPLODING VESSEL UNDER PRESSURE-----	-	-	-	1	1	1	-	1	-	-	-	6	6	6	-	6	6	
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	-	-	-	1	1	1	-	1	-	-	-	54	54	54	-	54	54	
FIRE-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4	
HANDLING MATERIAL-----	-	-	1	25	26	26	17	43	-	-	50	392	442	442	50	16	17	
HAND TOOL-----	-	-	1	9	10	10	8	18	-	-	60	320	380	380	60	36	38	
NONPOWERED HAULAGE-----	-	-	-	1	1	1	-	1	-	-	-	14	14	14	-	14	14	
POWERED HAULAGE-----	2	-	1	20	21	23	2	25	12,000	-	1,800	967	2,767	14,767	1,800	48	642	
MACHINERY-----	-	-	3	24	27	27	18	45	-	-	6,600	758	7,358	7,358	2,200	32	273	
SLIP OR FALL OF PERSON-----	1	-	1	33	34	35	6	41	6,000	-	3,000	1,053	4,053	10,053	3,000	32	287	
STEPPING OR KNEELING ON OBJECT-----	-	-	-	5	5	5	-	5	-	-	-	54	54	54	-	11	11	
STRIKING OR BUMPING-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2	
OTHER INJURIES-----	-	-	-	4	4	4	3	7	-	-	-	55	55	55	-	14	14	
TOTAL OR AVERAGE-----	3	-	7	126	133	136	54	190	18,000	-	11,510	3,680	15,190	33,190	1,644	29	244	

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY					PERMANENT		TEMPO- RARY					TOTAL NFDL
		TOTAL	PARTIAL						TOTAL	PARTIAL						
AUGER: FALL OF FACE, RIB, SIDE OR HIGHWALL----- HANDLING MATERIAL----- HAND TOOL----- POWERED HAULAGE----- SLIP OR FALL OF PERSON----- STRIKING OR BUMPING----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	- - - - - - - -	1 1 - - 1 1 - 4	1 1 - - 1 1 - 4	1 1 - - 1 1 - 4	- - - - - - - 2	1 1 1 1 - 1 - 6	- - - - - - - -	- - - - - - - -	100 17 - - - 19 2 138	100 17 - - - 19 2 138	100 17 - - - 19 2 138	- - - - - - - -	100 17 - - - 19 2 34	100 17 - - - 19 2 34
CULM BANK: SLIP OR FALL OF PERSON----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	1 1 1	1 1 1	1 1 1	- - -	1 - 1	- - -	- - -	55 - 55	55 - 55	55 - 55	- - -	55 - 55	55 - 55
TOTAL OR AVERAGE, SURFACE: ELECTRICAL----- EXPLODING VESSEL UNDER PRESSURE----- FALL OF FACE, RIB, SIDE OR HIGHWALL----- FIRE----- 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 - - - 3 - - - - -	- - - - - - - 1 - - - - 1 - - - - -	1 1 1 2 1 26 9 1 20 24 35 5 2 4 131	1 1 1 2 1 27 10 1 21 27 36 5 2 4 138	1 1 1 2 1 27 10 1 23 27 37 5 2 4 141	- - - - - - - - - 3 18 6 - - - 3 2 3 56	1 - 2 - - 44 19 1 26 45 43 5 2 7 197	- - - - - - - - 12,000 - - - 6,000 - - - 18,000	- - - - - - - - - - - 3,000 - - - - 11,510	- - - - - 50 60 - 1,800 6,600 1,127 - - - 3,873	1 6 154 4 409 320 14 2,767 7,358 4,127 54 4 55 15,383	1 6 154 4 459 380 14 14,767 7,358 10,127 54 4 55 33,383	- - - - - 50 60 - 1,800 2,200 3,000 - - - 1,644	1 6 77 4 16 36 14 48 32 32 11 2 14 30	1 6 77 4 17 38 14 642 273 274 11 2 14 237

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, MINING:																	
ELECTRICAL-----	1	-	-	3	3	4	-	4	6,000	-	-	20	20	6,020	-	7	1,505
EXPLODING VESSEL	-	-	-	1	1	1	-	1	-	-	-	6	6	6	-	6	6
UNDER PRESSURE	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
EXPLOSIVE AND BREAKING	-	-	-	1	1	1	-	1	-	-	-	46	46	46	-	23	23
AGENT-----	-	-	-	9	9	9	1	10	-	-	-	314	314	314	-	35	35
FALLING, ROLLING, OR	-	-	-	7	7	7	-	7	-	-	-	173	173	173	-	25	25
SLIDING MATERIAL	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
FALL OF FACE, RIB, SIDE	-	-	-	69	72	72	30	102	-	6,000	100	1,709	7,809	7,809	50	25	108
OR HIGHWALL	-	-	-	20	21	21	13	34	-	-	60	1,026	1,086	1,086	60	51	52
FALL OF ROOF (UNDER-	-	-	-	2	2	2	-	2	-	-	-	21	21	21	-	10	10
GROUND MINES ONLY)	-	-	-	36	37	40	6	46	18,000	-	1,800	1,560	3,360	21,360	1,800	43	534
FIRE-----	3	-	-	3	3	3	1	4	-	-	-	81	81	81	-	27	27
HANDLING MATERIAL	-	1	2	69	72	72	30	102	-	6,000	100	1,709	7,809	7,809	50	25	108
HAND TOOL-----	-	-	1	20	21	21	13	34	-	-	-	60	1,026	1,086	60	51	52
NONPOWERED HAULAGE	-	-	-	2	2	2	-	2	-	-	-	21	21	21	-	10	10
POWERED HAULAGE	-	-	-	3	3	3	-	3	-	-	-	81	81	81	-	27	27
HOISTING-----	-	-	-	2	2	2	-	2	-	-	-	45	45	45	-	22	22
IGNITION OR EXPLOSION	-	-	-	46	49	50	25	75	6,000	-	6,600	1,111	7,711	13,711	2,200	24	274
OF GAS OR DUST	1	-	3	46	49	50	25	75	6,000	-	6,600	1,111	7,711	13,711	2,200	24	274
MACHINERY-----	1	-	1	72	73	74	8	82	6,000	-	3,000	3,029	6,029	12,029	3,000	42	163
SLIP OR FALL OF	1	-	1	72	73	74	8	82	6,000	-	3,000	3,029	6,029	12,029	3,000	42	163
PERSON-----	-	-	-	8	8	8	-	8	-	-	-	418	418	418	-	52	52
STEPPING OR KNEELING	-	-	-	4	4	4	1	5	-	-	-	74	74	74	-	18	18
ON OBJECT-----	-	-	-	5	5	5	3	8	-	-	-	193	193	193	-	39	39
STRIKING OR BUMPING	-	-	-	5	5	5	3	8	-	-	-	193	193	193	-	39	39
OTHER INJURIES	-	-	-	5	5	5	3	8	-	-	-	193	193	193	-	39	39
TOTAL OR AVERAGE-----	6	1	8	291	300	306	88	394	36,000	6,000	11,560	9,850	27,410	63,410	1,445	34	207
INDEPENDENT SHOPS:																	
SLIP OR FALL OF	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15
PERSON-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	15	15	15	-	15	15
PROCESSING PLANTS:																	
FALLING, ROLLING, OR	-	-	-	3	3	3	-	3	-	-	-	212	212	212	-	71	71
SLIDING MATERIAL	-	-	-	1	1	1	-	1	-	-	-	9	9	9	-	9	9
FIRE-----	-	-	-	33	34	34	15	49	-	-	50	1,148	1,198	1,198	50	35	35
HANDLING MATERIAL	-	-	1	6	6	6	10	16	-	-	-	218	218	218	-	36	36
HAND TOOL-----	-	-	-	2	2	2	2	5	6,000	-	-	3	3	6,003	-	2	2,001
POWERED HAULAGE	1	-	-	18	18	18	7	25	-	-	-	667	667	667	-	37	37
MACHINERY-----	-	-	-	33	34	34	11	45	-	6,000	-	1,730	7,730	7,730	-	52	227
SLIP OR FALL OF	-	1	-	33	34	34	11	45	-	6,000	-	1,730	7,730	7,730	-	52	227
PERSON-----	-	-	-	3	3	3	-	3	-	-	-	73	73	73	-	24	24
STEPPING OR KNEELING	-	-	-	1	1	1	3	4	-	-	-	4	4	4	-	4	4
ON OBJECT-----	-	-	-	1	1	1	3	4	-	-	-	4	4	4	-	4	4
OTHER INJURIES	-	-	-	1	1	1	3	4	-	-	-	4	4	4	-	4	4
TOTAL OR AVERAGE-----	1	1	1	100	102	103	48	151	6,000	6,000	50	4,064	10,114	16,114	50	41	156

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TOTAL OR AVERAGE, ALL MINES AND PLANTS:-----	1	-	-	3	3	4	-	4	6,000	-	-	20	20	6,020	-	7	1,505
ELECTRICAL-----	-	-	-	1	1	1	-	1	-	-	-	6	6	6	-	6	6
EXPLODING VESSEL UNDER PRESSURE-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
EXPLOSIVE AND BREAKING AGENT-----	-	-	-	5	5	5	-	5	-	-	-	258	258	258	-	52	52
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	-	-	9	9	9	1	10	-	-	-	314	314	314	-	35	35
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	-	-	-	7	7	7	-	7	-	-	-	173	173	173	-	25	25
FALL OF ROOF (UNDERGROUND MINES ONLY)-----	-	-	-	2	2	2	-	2	-	-	-	13	13	13	-	6	6
FIRE-----	-	1	3	102	106	106	45	151	6,000	150	2,857	9,007	9,007	50	28	85	
HANDLING MATERIAL-----	-	-	1	26	27	27	23	50	-	60	1,244	1,304	1,304	60	48	48	
HAND TOOL-----	-	-	-	2	2	2	-	2	-	-	21	21	21	-	10	10	
NONPOWERED HAULAGE-----	4	-	1	38	39	43	8	51	24,000	1,800	1,563	3,363	27,363	1,800	41	636	
POWERED HAULAGE-----	-	-	-	3	3	3	1	4	-	-	-	81	81	81	-	27	27
HOISTING-----	-	-	-	2	2	2	-	2	-	-	-	45	45	45	-	22	22
IGNITION OR EXPLOSION OF GAS OR DUST-----	1	-	3	64	67	68	32	100	6,000	6,600	1,778	8,378	14,378	2,200	28	211	
MACHINERY-----	1	1	1	106	108	109	19	128	6,000	6,000	3,000	4,774	13,774	3,000	45	181	
SLIP OR FALL OF PERSON-----	-	-	-	11	11	11	-	11	-	-	-	491	491	491	-	45	45
STEPPING OR KNEELING ON OBJECT-----	-	-	-	4	4	4	1	5	-	-	-	74	74	74	-	18	18
STRIKING OR BUMPING-----	-	-	-	6	6	6	6	12	-	-	-	197	197	197	-	33	33
OTHER INJURIES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	7	2	9	392	403	410	136	546	42,000	12,000	11,610	13,929	37,539	1,290	36	194	
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLING MATERIAL-----	-	-	-	2	2	2	-	2	-	-	-	8	8	8	-	4	4
HAND TOOL-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MACHINERY-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	48
TOTAL OR AVERAGE-----	-	-	-	3	3	3	1	4	-	-	-	56	56	56	-	19	19

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, 1990 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE:-----	1	-	-	3	3	4	-	4	6,000	-	-	20	20	6,020	-	7	1,505
ELECTRICAL-----	-	-	-	1	1	1	-	1	-	-	-	6	6	6	-	6	6
EXPLODING VESSEL UNDER PRESSURE-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
EXPLOSIVE AND BREAKING AGENT-----	-	-	-	5	5	5	-	5	-	-	-	258	258	258	-	52	52
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	-	-	9	9	9	1	10	-	-	-	314	314	314	-	35	35
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	-	-	-	7	7	7	-	7	-	-	-	173	173	173	-	25	25
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	-	-	-	2	2	2	-	2	-	-	-	13	13	13	-	6	6
FIRE-----	-	1	3	104	108	108	45	153	-	6,000	150	2,865	9,015	9,015	50	28	83
HANDLING MATERIAL-----	-	-	1	26	27	27	24	51	-	-	60	1,244	1,304	1,304	60	48	48
HAND TOOL-----	-	-	-	2	2	2	-	2	-	-	-	21	21	21	-	10	10
NONPOWERED HAULAGE-----	4	-	1	38	39	43	8	51	24,000	-	1,800	1,563	3,363	27,363	1,800	41	636
POWERED HAULAGE-----	-	-	-	3	3	3	1	4	-	-	-	81	81	81	-	27	27
HOISTING-----	-	-	-	2	2	2	-	2	-	-	-	45	45	45	-	22	22
IGNITION OR EXPLOSION OF GAS OR DUST-----	1	-	3	65	68	69	32	101	6,000	-	6,600	1,826	8,426	14,426	2,200	28	209
MACHINERY-----	1	1	1	106	108	109	19	128	6,000	6,000	3,000	4,774	13,774	19,774	3,000	45	181
SLIP OR FALL OF PERSON-----	-	-	-	11	11	11	-	11	-	-	-	491	491	491	-	45	45
STEPPING OR KNEELING ON OBJECT-----	-	-	-	4	4	4	1	5	-	-	-	74	74	74	-	18	18
STRIKING OR BUMPING-----	-	-	-	6	6	6	6	12	-	-	-	197	197	197	-	33	33
OTHER INJURIES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	7	2	9	395	406	413	137	550	42,000	12,000	11,610	13,985	37,595	79,595	1,290	35	193

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, 1990

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
ELECTRICAL: UPPER EXTREMITIES, NEC----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
BODY SYSTEMS-----	1	-	-	1	1	2	-	2	6,000	-	-	15	15	6,015	-	15	3,008
MULTIPLE PARTS OF BODY----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
TOTAL OR AVERAGE-----	1	-	-	3	3	4	-	4	6,000	-	-	20	20	6,020	-	7	1,505
EXPLODING VESSEL UNDER PRESSURE: MULTIPLE PARTS OF BODY----	-	-	-	1	1	1	-	1	-	-	-	6	6	6	-	6	6
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	6	6	6	-	6	6
EXPLOSIVE AND BREAKING AGENT: LOWER LEG-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
FALLING, ROLLING, OR SLIDING MATERIAL: HEAD, NEC-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
UPPER EXTREMITIES, NEC----	-	-	-	1	1	1	-	1	-	-	-	14	14	14	-	14	14
BACK-----	-	-	-	1	1	1	-	1	-	-	-	45	45	45	-	45	45
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	-	-	44	44	44	-	44	44
MULTIPLE PARTS OF BODY----	-	-	-	1	1	1	-	1	-	-	-	154	154	154	-	154	154
TOTAL OR AVERAGE-----	-	-	-	5	5	5	-	5	-	-	-	258	258	258	-	52	52
FALL OF FACE, RIB, SIDE OR HIGHWALL: FACE, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
NECK-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
BACK-----	-	-	-	1	1	1	-	1	-	-	-	79	79	79	-	79	79
KNEE-----	-	-	-	3	3	3	-	3	-	-	-	125	125	125	-	42	42
FOOT-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
MULTIPLE PARTS OF BODY----	-	-	-	3	3	3	-	3	-	-	-	107	107	107	-	36	36
TOTAL OR AVERAGE-----	-	-	-	9	9	9	1	10	-	-	-	314	314	314	-	35	35
FALL OF ROOF (UNDER- GROUND MINES ONLY): FACE, NEC-----	-	-	-	1	1	1	-	1	-	-	-	12	12	12	-	12	12
HEAD, NEC-----	-	-	-	2	2	2	-	2	-	-	-	73	73	73	-	36	36
HAND-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
BACK-----	-	-	-	1	1	1	-	1	-	-	-	26	26	26	-	26	26
LOWER EXTREMITIES, NEC----	-	-	-	1	1	1	-	1	-	-	-	33	33	33	-	33	33
MULTIPLE PARTS OF BODY----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
TOTAL OR AVERAGE-----	-	-	-	7	7	7	-	7	-	-	-	173	173	173	-	25	25

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
FIRE:																	
FINGER(S)-----	-	-	-	1	1	1	-	1	-	-	-	9	9	9	-	9	9
TOE(S)-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
TOTAL OR AVERAGE-----	-	-	-	2	2	2	-	2	-	-	-	13	13	13	-	6	6
HANDLING MATERIAL:																	
EAR-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EYE-----	-	-	-	5	5	5	5	10	-	-	-	283	283	283	-	57	57
JAW-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	5	6	-	-	-	1	1	1	-	1	1
SCALP-----	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	29
FACE, NEC-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
HEAD, NEC-----	-	1	-	2	3	3	1	4	-	6,000	-	4	6,004	6,004	-	2	2,001
ELBOW-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HAND-----	-	-	-	2	2	2	2	4	-	-	-	18	18	18	-	9	9
FINGER(S)-----	-	-	-	10	10	10	13	23	-	-	-	105	105	105	-	10	10
UPPER EXTREMITIES, NEC-----	-	-	-	7	7	7	1	8	-	-	-	117	117	117	-	17	17
ABDOMEN-----	-	-	-	1	1	1	2	3	-	-	-	4	4	4	-	4	4
BACK-----	-	-	-	40	40	40	7	47	-	-	-	1,330	1,330	1,330	-	33	33
CHEST-----	-	-	-	3	3	3	1	4	-	-	-	71	71	71	-	24	24
PELVIC REGION-----	-	-	3	3	6	6	2	8	-	-	150	41	191	191	50	14	32
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
KNEE-----	-	-	-	5	5	5	-	5	-	-	-	321	321	321	-	64	64
LOWER LEG-----	-	-	-	2	2	2	1	3	-	-	-	44	44	44	-	22	22
ANKLE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
FOOT-----	-	-	-	11	11	11	-	11	-	-	-	205	205	205	-	19	19
LOWER EXTREMITIES, NEC-----	-	-	-	2	2	2	-	2	-	-	-	24	24	24	-	12	12
MULTIPLE PARTS OF BODY-----	-	-	-	7	7	7	-	7	-	-	-	266	266	266	-	38	38
TOTAL OR AVERAGE-----	-	1	3	104	108	108	45	153	-	6,000	150	2,865	9,015	9,015	50	28	83
HAND TOOL:																	
EAR-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
EYE-----	-	-	-	-	-	-	5	5	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	-
HEAD, NEC-----	-	-	-	3	3	3	3	6	-	-	-	16	16	16	-	5	5
NECK-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
ELBOW-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
HAND-----	-	-	-	2	2	2	-	2	-	-	-	58	58	58	-	29	29
FINGER(S)-----	-	-	1	6	7	7	5	12	-	-	60	85	145	145	60	14	21
BACK-----	-	-	-	2	2	2	-	2	-	-	-	19	19	19	-	10	10
SHOULDER(S)-----	-	-	-	3	3	3	-	3	-	-	-	455	455	455	-	152	152
TRUNK, NEC-----	-	-	-	1	1	1	-	1	-	-	-	56	56	56	-	56	56
THIGH-----	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
LOWER LEG-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
ANKLE-----	-	-	-	1	1	1	-	1	-	-	-	69	69	69	-	69	69
FOOT-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOE(S)-----	-	-	-	2	2	2	-	2	-	-	-	106	106	106	-	53	53
LOWER EXTREMITIES, NEC-----	-	-	-	2	2	2	-	2	-	-	-	212	212	212	-	106	106
MULTIPLE PARTS OF BODY-----	-	-	-	1	1	1	2	3	-	-	-	160	160	160	-	160	160
TOTAL OR AVERAGE-----	-	-	1	26	27	27	24	51	-	-	60	1,244	1,304	1,304	60	48	48

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
NONPOWERED HAULAGE:																	
BACK-----	-	-	-	1	1	1	-	1	-	-	-	14	14	14	-	14	14
KNEE-----	-	-	-	1	1	1	-	1	-	-	-	7	7	7	-	7	7
TOTAL OR AVERAGE-----	-	-	-	2	2	2	-	2	-	-	-	21	21	21	-	10	10
POWERED HAULAGE:																	
EYE-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
NOSE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SKULL-----	1	-	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	-	6,000
HEAD, NEC-----	-	-	-	3	3	3	2	5	-	-	-	15	15	15	-	5	5
NECK-----	-	-	-	2	2	2	-	2	-	-	-	155	155	155	-	78	78
ELBOW-----	-	-	-	2	2	2	-	2	-	-	-	9	9	9	-	4	4
HAND-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FINGER(S)-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC-----	-	-	-	2	2	2	-	2	-	-	-	42	42	42	-	21	21
BACK-----	-	-	1	5	6	6	1	7	-	-	1,800	187	1,987	1,987	1,800	37	331
SHOULDER(S)-----	-	-	-	1	1	1	-	1	-	-	-	90	90	90	-	90	90
TRUNK, NEC-----	-	-	-	3	3	3	-	3	-	-	-	92	92	92	-	31	31
KNEE-----	-	-	-	2	2	2	-	2	-	-	-	46	46	46	-	23	23
LOWER LEG-----	-	-	-	1	1	1	-	1	-	-	-	61	61	61	-	61	61
ANKLE-----	-	-	-	1	1	1	-	1	-	-	-	16	16	16	-	16	16
FOOT-----	-	-	-	3	3	3	-	3	-	-	-	81	81	81	-	27	27
LOWER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	35	35	35	-	35	35
MULTIPLE PARTS OF BODY-----	3	-	-	11	11	14	2	16	18,000	-	-	733	733	18,733	-	67	1,338
TOTAL OR AVERAGE-----	4	-	1	38	39	43	8	51	24,000	-	1,800	1,563	3,363	27,363	1,800	41	636
HOISTING:																	
NECK-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
CHEST-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	48
FOOT-----	-	-	-	1	1	1	-	1	-	-	-	31	31	31	-	31	31
TOTAL OR AVERAGE-----	-	-	-	3	3	3	1	4	-	-	-	81	81	81	-	27	27
IGNITION OR EXPLOSION OF GAS OR DUST:																	
HEAD, NEC-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
MULTIPLE PARTS OF BODY-----	-	-	-	1	1	1	-	1	-	-	-	43	43	43	-	43	43
TOTAL OR AVERAGE-----	-	-	-	2	2	2	-	2	-	-	-	45	45	45	-	22	22

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	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					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
MACHINERY:																	
EYE-----	-	-	-	8	8	8	15	23	-	-	-	18	18	18	-	2	2
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HEAD, NEC-----	1	-	-	4	4	5	1	6	6,000	-	-	42	42	6,042	-	10	1,208
NECK-----	-	-	1	1	2	2	-	2	-	-	1,800	140	1,940	1,940	1,800	140	970
FOREARM-----	-	-	-	2	2	2	-	2	-	-	-	3	3	3	-	2	2
WRIST-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HAND-----	-	-	-	4	4	4	2	6	-	-	-	34	34	34	-	8	8
FINGER(S)-----	-	-	-	3	3	3	4	7	-	-	-	51	51	51	-	17	17
UPPER EXTREMITIES, NEC-----	-	-	-	1	1	1	-	1	-	-	-	28	28	28	-	28	28
BACK-----	-	-	-	7	7	7	3	10	-	-	-	212	212	212	-	30	30
CHEST-----	-	-	-	1	1	1	-	1	-	-	-	13	13	13	-	13	13
PELVIC REGION-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
SHOULDER(S)-----	-	-	-	3	3	3	-	3	-	-	-	162	162	162	-	54	54
TRUNK, NEC-----	-	-	-	5	5	5	1	6	-	-	-	354	354	354	-	71	71
THIGH-----	-	-	-	3	3	3	-	3	-	-	-	34	34	34	-	11	11
KNEE-----	-	-	-	5	5	5	3	8	-	-	-	277	277	277	-	55	55
LOWER LEG-----	-	-	-	4	4	4	-	4	-	-	-	238	238	238	-	60	60
FOOT-----	-	-	-	3	3	3	-	3	-	-	-	36	36	36	-	12	12
TOE(S)-----	-	-	-	1	1	1	-	1	-	-	-	27	27	27	-	27	27
LOWER EXTREMITIES, NEC-----	-	-	-	2	2	2	-	2	-	-	-	31	31	31	-	16	16
BODY SYSTEMS-----	-	-	-	3	3	3	-	3	-	-	-	14	14	14	-	5	5
MULTIPLE PARTS OF BODY-----	-	-	2	4	6	6	1	7	-	-	4,800	108	4,908	4,908	2,400	27	818
TOTAL OR AVERAGE-----	1	-	3	65	68	69	32	101	6,000	-	6,600	1,826	8,426	14,426	2,200	28	209
SLIP OR FALL OF PERSON:																	
JAW-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HEAD, NEC-----	-	-	-	1	1	1	1	2	-	-	-	60	60	60	-	60	60
NECK-----	-	-	-	2	2	2	-	2	-	-	-	29	29	29	-	14	14
ELBOW-----	-	-	-	2	2	2	-	2	-	-	-	80	80	80	-	40	40
FOREARM-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
WRIST-----	-	-	-	2	2	2	-	2	-	-	-	70	70	70	-	35	35
FINGER(S)-----	-	-	-	1	1	1	-	1	-	-	-	178	178	178	-	178	178
UPPER EXTREMITIES, NEC-----	-	-	-	3	3	3	1	4	-	-	-	50	50	50	-	17	17
BACK-----	-	1	-	18	19	19	3	22	6,000	-	-	794	6,794	6,794	-	44	358
CHEST-----	-	-	-	2	2	2	-	2	-	-	-	60	60	60	-	30	30
PELVIC REGION-----	-	-	-	3	3	3	1	4	-	-	-	280	280	280	-	93	93
SHOULDER(S)-----	-	-	-	3	3	3	-	3	-	-	-	58	58	58	-	19	19
TRUNK, NEC-----	-	-	-	7	7	7	-	7	-	-	-	190	190	190	-	27	27
THIGH-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
KNEE-----	-	-	-	18	18	18	2	20	-	-	-	549	549	549	-	30	30
LOWER LEG-----	-	-	-	4	4	4	1	5	-	-	-	275	275	275	-	69	69
ANKLE-----	-	-	-	6	6	6	1	7	-	-	-	49	49	49	-	8	8
FOOT-----	-	-	-	5	5	5	-	5	-	-	-	133	133	133	-	27	27
LOWER EXTREMITIES, NEC-----	-	-	-	12	12	12	1	13	-	-	-	736	736	736	-	61	61
MULTIPLE PARTS OF BODY-----	1	-	1	17	18	19	5	24	6,000	-	3,000	1,183	4,183	10,183	3,000	70	536
TOTAL OR AVERAGE-----	1	1	1	106	108	109	19	128	6,000	6,000	3,000	4,774	13,774	19,774	3,000	45	181

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
STEPPING OR KNEELING ON OBJECT:																	
KNEE-----	-	-	-	1	1	1	-	1	-	-	-	46	46	46	-	46	46
ANKLE-----	-	-	-	6	6	6	-	6	-	-	-	345	345	345	-	58	58
FOOT-----	-	-	-	3	3	3	-	3	-	-	-	95	95	95	-	32	32
MULTIPLE PARTS OF BODY----	-	-	-	1	1	1	-	1	-	-	-	5	5	5	-	5	5
TOTAL OR AVERAGE-----	-	-	-	11	11	11	-	11	-	-	-	491	491	491	-	45	45
STRIKING OR BUMPING:																	
NECK-----	-	-	-	1	1	1	1	2	-	-	-	61	61	61	-	61	61
WRIST-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
THIGH-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
KNEE-----	-	-	-	1	1	1	-	1	-	-	-	9	9	9	-	9	9
TOTAL OR AVERAGE-----	-	-	-	4	4	4	1	5	-	-	-	74	74	74	-	18	18
OTHER INJURIES:																	
EYE-----	-	-	-	2	2	2	3	5	-	-	-	4	4	4	-	2	2
HAND-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
BACK-----	-	-	-	2	2	2	-	2	-	-	-	186	186	186	-	93	93
BODY SYSTEMS-----	-	-	-	1	1	1	2	3	-	-	-	3	3	3	-	3	3
MULTIPLE PARTS OF BODY----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	-	6	6	6	6	12	-	-	-	197	197	197	-	33	33

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, 1990 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL			
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL	
		TOTAL	PARTIAL							TOTAL	PARTIAL							
TOTAL OR AVERAGE:	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	
EAR-----	-	-	-	-	16	16	16	28	44	-	-	-	306	306	306	-	19	19
EYE-----	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	
JAW-----	-	-	-	-	-	-	-	10	11	-	-	-	1	1	1	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	
NOSE-----	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
SCALP-----	-	-	-	1	1	1	1	1	1	-	-	-	29	29	29	-	29	29
SKULL-----	1	-	-	-	-	1	1	1	1	6,000	-	-	-	-	6,000	-	-	6,000
FACE, NEC-----	-	-	-	1	1	1	3	4	-	-	-	-	12	12	12	-	12	12
HEAD, NEC-----	1	1	-	17	18	19	8	27	6,000	6,000	-	213	6,213	12,213	-	13	643	
NECK-----	-	-	1	9	10	10	1	11	-	-	1,800	392	2,192	2,192	1,800	44	219	
ELBOW-----	-	-	-	5	5	5	1	6	-	-	-	91	91	91	-	18	18	
FOREARM-----	-	-	-	2	2	2	1	3	-	-	-	3	3	3	-	2	2	
WRIST-----	-	-	-	3	3	3	1	4	-	-	-	72	72	72	-	24	24	
HAND-----	-	-	-	10	10	10	5	15	-	-	-	142	142	142	-	14	14	
FINGER(S)-----	-	-	1	21	22	22	23	45	-	-	60	428	488	488	60	20	22	
UPPER EXTREMITIES, NEC-----	-	-	-	15	15	15	3	18	-	-	-	255	255	255	-	17	17	
ABDOMEN-----	-	-	-	1	1	1	2	3	-	-	-	4	4	4	-	4	4	
BACK-----	-	1	1	78	80	80	14	94	-	6,000	1,800	2,892	10,692	10,692	1,800	37	134	
CHEST-----	-	-	-	7	7	7	1	8	-	-	-	192	192	192	-	27	27	
PELVIC REGION-----	-	-	3	8	11	11	3	14	-	-	150	369	519	519	50	46	47	
SHOULDER(S)-----	-	-	-	11	11	11	-	11	-	-	-	766	766	766	-	70	70	
TRUNK, NEC-----	-	-	-	16	16	16	1	17	-	-	-	692	692	692	-	43	43	
THIGH-----	-	-	-	4	4	4	3	7	-	-	-	36	36	36	-	9	9	
KNEE-----	-	-	-	36	36	36	6	42	-	-	-	1,380	1,380	1,380	-	38	38	
LOWER LEG-----	-	-	-	13	13	13	2	15	-	-	-	640	640	640	-	49	49	
ANKLE-----	-	-	-	15	15	15	1	16	-	-	-	480	480	480	-	32	32	
FOOT-----	-	-	-	27	27	27	1	28	-	-	-	583	583	583	-	22	22	
TOE(S)-----	-	-	-	4	4	4	-	4	-	-	-	137	137	137	-	34	34	
LOWER EXTREMITIES, NEC-----	-	-	-	20	20	20	1	21	-	-	-	1,071	1,071	1,071	-	54	54	
BODY SYSTEMS-----	1	-	-	5	5	6	2	8	6,000	-	-	32	32	6,032	-	6	1,005	
MULTIPLE PARTS OF BODY-----	4	-	3	49	52	56	11	67	24,000	-	7,800	2,767	10,567	34,567	2,600	56	617	
TOTAL OR AVERAGE-----	7	2	9	395	406	413	137	550	42,000	12,000	11,610	13,985	37,595	79,595	1,290	35	193	

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, 1990

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 NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
ELECTRICAL: BURN/SCALD (NOT CHEM.)-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
ELECTRIC SHOCK-----	1	-	-	1	1	2	-	2	6,000	-	-	15	15	6,015	-	15	3,008
TOTAL OR AVERAGE-----	1	-	-	3	3	4	-	4	6,000	-	-	20	20	6,020	-	7	1,505
EXPLODING VESSEL UNDER PRESSURE: MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	-	6	6	6	-	6	6
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	6	6	6	-	6	6
EXPLOSIVE AND BREAKING AGENT: FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	20	20	20	-	20	20
FALLING, ROLLING, OR SLIDING MATERIAL: CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	45	45	45	-	45	45
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	14	14	14	-	14	14
MULTIPLE INJURIES-----	-	-	-	2	2	2	-	2	-	-	-	198	198	198	-	99	99
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
TOTAL OR AVERAGE-----	-	-	-	5	5	5	-	5	-	-	-	258	258	258	-	52	52
FALL OF FACE, RIB, SIDE OR HIGHWALL: CONTUSION OR BRUISE-----	-	-	-	4	4	4	-	4	-	-	-	109	109	109	-	27	27
CUT OR PUNCTURE-----	-	-	-	1	1	1	1	2	-	-	-	2	2	2	-	2	2
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	100	100	100	-	100	100
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
UNCLASSIFIED (NO DATA)----	-	-	-	2	2	2	-	2	-	-	-	102	102	102	-	51	51
TOTAL OR AVERAGE-----	-	-	-	9	9	9	1	10	-	-	-	314	314	314	-	35	35
FALL OF ROOF (UNDER- GROUND MINES ONLY): CONTUSION OR BRUISE-----	-	-	-	3	3	3	-	3	-	-	-	62	62	62	-	21	21
CUT OR PUNCTURE-----	-	-	-	2	2	2	-	2	-	-	-	14	14	14	-	7	7
STRAIN/SPRAIN-----	-	-	-	1	1	1	-	1	-	-	-	26	26	26	-	26	26
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	-	-	71	71	71	-	71	71
TOTAL OR AVERAGE-----	-	-	-	7	7	7	-	7	-	-	-	173	173	173	-	25	25

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, 1990 (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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
FIRE: BURN/SCALD (NOT CHEM.)----- DISLOCATION----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	1 1 2	1 1 2	1 1 2	- - -	1 1 2	- - -	- - -	- - -	9 4 13	9 4 13	9 4 13	- - -	9 4 6	9 4 6
HANDLING MATERIAL: CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- DUST IN EYE----- FRACTURE----- HERNIA (NOT DISC)----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - - - - - -	- - - - - - - - - - - 1 -	- - - - - - 3 - - - - - -	7 17 7 1 1 8 1 - 49 11 1 1 2	7 17 7 1 1 8 4 - 49 11 1 2	7 17 7 1 1 8 4 - 49 11 1 2	- 4 22 - 3 2 - 12 - - 1 1 3	7 21 29 1 4 10 4 1 61 11 1 3	- - - - - - - - - - - - 6,000 -	- - - - - - 150 - - - - -	304 665 50 1 4 243 33 - 1,416 146 1 2	304 665 50 1 4 243 183 - 1,416 146 1 6,002	304 665 50 1 4 243 183 - 1,416 146 1 6,002	- - - - - - 50 - - - - - -	43 39 7 1 4 30 33 - 29 13 1 2	43 39 7 1 4 30 46 - 29 13 1 3,001	
HAND TOOL: AMPUTATION/ENUCLEATION----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- TOTAL OR AVERAGE-----	- - - - - - - - -	- - - - - - - - 1	- - - - - - - - -	1 2 9 2 5 5 1 2	1 2 9 2 5 5 1 2	1 6 13 2 5 5 - 2	1 8 22 2 10 5 1 2	- - - - - - - - -	- - - - - - - - -	60 - - - - - - -	- 25 80 116 360 418 160 85	60 25 80 116 360 418 160 85	60 25 80 116 360 418 160 85	60 - - - - - - -	- 12 9 58 72 84 160 42	60 12 9 58 72 84 160 42	
NONPOWERED HAULAGE: STRAIN/SPRAIN----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	1 1 2	1 1 2	1 1 2	- - -	1 1 2	- - -	- - -	- - -	14 7 21	14 7 21	14 7 21	- - -	14 7 10	14 7 10

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, 1990 (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 NFDL	PERMANENT		TEMPO- RARY					
		TOTAL	PARTIAL							TOTAL	PARTIAL						
POWERED HAULAGE:																	
CONCUSSION (CEREBRAL)-----	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
CONTUSION OR BRUISE-----	3	-	-	11	11	14	1	15	18,000	-	-	286	286	18,286	-	26	1,306
CUT OR PUNCTURE-----	-	-	-	-	-	-	5	5	-	-	-	-	-	-	-	-	-
DISLOCATION-----	-	-	-	1	1	1	-	1	-	-	-	8	8	8	-	8	8
FRACTURE-----	-	-	1	3	4	4	-	4	-	-	1,800	198	1,998	1,800	66	500	
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	-	-	1	1	1	-	1	1
STRAIN/SPRAIN-----	-	-	-	7	7	7	1	8	-	-	-	194	194	194	-	28	28
MULTIPLE INJURIES-----	1	-	-	12	12	13	1	14	6,000	-	-	843	843	6,843	-	70	526
OTHER INJURY, NEC-----	-	-	-	1	1	1	-	1	-	-	-	17	17	17	-	17	17
UNCLASSIFIED (NO DATA)----	-	-	-	1	1	1	-	1	-	-	-	12	12	12	-	12	12
TOTAL OR AVERAGE-----	4	-	1	38	39	43	8	51	24,000	-	1,800	1,563	3,363	27,363	1,800	41	636
HOISTING:																	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
CUT OR PUNCTURE-----	-	-	-	1	1	1	1	2	-	-	-	31	31	31	-	31	31
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	48	48	48	-	48	48
TOTAL OR AVERAGE-----	-	-	-	3	3	3	1	4	-	-	-	81	81	81	-	27	27
IGNITION OR EXPLOSION OF GAS OR DUST:																	
BURN/SCALD (NOT CHEM.)----	-	-	-	1	1	1	-	1	-	-	-	43	43	43	-	43	43
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
TOTAL OR AVERAGE-----	-	-	-	2	2	2	-	2	-	-	-	45	45	45	-	22	22
MACHINERY:																	
ASPHYXIATION/DROWNING-----	-	-	-	3	3	3	-	3	-	-	-	14	14	14	-	5	5
BURN/SCALD (NOT CHEM.)----	-	-	-	7	7	7	4	11	-	-	-	103	103	103	-	15	15
CONTUSION OR BRUISE-----	1	-	-	10	10	11	1	12	6,000	-	-	74	74	6,074	-	7	552
CUT OR PUNCTURE-----	-	-	-	13	13	13	13	26	-	-	-	362	362	362	-	28	28
DISLOCATION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
DUST IN EYE-----	-	-	-	5	5	5	3	8	-	-	-	10	10	10	-	2	2
FRACTURE-----	-	-	1	8	9	9	1	10	-	-	1,800	546	2,346	2,346	1,800	68	261
RADIATION/ULTRA VIOLET----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN-----	-	-	1	11	12	12	1	13	-	-	1,800	344	2,144	2,144	1,800	31	179
MULTIPLE INJURIES-----	-	-	-	4	4	4	2	6	-	-	-	122	122	122	-	30	30
UNCLASSIFIED (NO DATA)----	-	-	1	4	5	5	2	7	-	-	3,000	251	3,251	3,251	3,000	63	650
TOTAL OR AVERAGE-----	1	-	3	65	68	69	32	101	6,000	-	6,600	1,826	8,426	14,426	2,200	28	209

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, 1990 (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 NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SLIP OR FALL OF PERSON: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- FRACTURE----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----	- - - - - - - 1 - - -	- - - 1 - - - - - -	- - - 1 - - - - - -	16 5 3 12 1 45 9 1 14	16 5 3 14 1 45 9 1 14	16 5 3 14 1 45 10 1 14	3 4 1 1 - 6 3 1 -	19 9 4 15 1 51 13 2 14	- - - - - - 6,000 - - -	- - - 6,000 - - 3,000 - - -	352 237 119 980 3 1,268 983 77 755	352 237 119 9,980 3 1,268 983 77 755	352 237 119 9,980 3 1,268 6,983 77 755	- - - 3,000 - - - - -	22 47 40 82 3 28 109 77 54	22 47 40 713 3 28 698 77 54	
TOTAL OR AVERAGE-----	1	1	1	106	108	109	19	128	6,000	6,000	3,000	4,774	13,774	19,774	3,000	45	181
STEPPING OR KNEELING ON OBJECT: CONTUSION OR BRUISE----- FRACTURE----- STRAIN/SPRAIN-----	- - - -	- - - -	- - - -	1 3 7	1 3 7	1 3 7	- - -	1 3 7	- - -	- - -	- - -	1 410 80	1 410 80	1 410 80	- - -	1 137 11	1 137 11
TOTAL OR AVERAGE-----	-	-	-	11	11	11	-	11	-	-	-	491	491	491	-	45	45
STRIKING OR BUMPING: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- STRAIN/SPRAIN-----	- - - -	- - - -	- - - -	1 1 2	1 1 2	1 1 2	- 1 -	1 2 2	- - -	- - -	- - -	9 2 63	9 2 63	9 2 63	- - -	9 2 32	9 2 32
TOTAL OR AVERAGE-----	-	-	-	4	4	4	1	5	-	-	-	74	74	74	-	18	18
OTHER INJURIES: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DUST IN EYE----- POISONING (SYSTEMIC)----- STRAIN/SPRAIN----- OTHER INJURY, NEC-----	- - - - - - -	- - - - - - -	- - - - - - -	- - 2 1 2 1	- - 2 1 2 2	- - 2 1 2 2	1 1 2 2 - 1	1 1 4 3 2 1	- - - - - - -	- - - - - - -	- - - - - - -	- - 4 3 186 4	- - 4 3 186 4	- - 4 3 186 4	- - - - - - -	- - 2 3 93 4	- - 2 3 93 4
TOTAL OR AVERAGE-----	-	-	-	6	6	6	6	12	-	-	-	197	197	197	-	33	33

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, 1990 (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	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE-----	7	2	9	395	406	413	137	550	42,000	12,000	11,610	13,985	37,595	79,595	1,290	35	193
AMPUTATION/ENUCLEATION----	-	-	1	-	1	1	-	1	-	-	60	-	60	60	60	-	60
ASPHYXIATION/DROWNING----	-	-	-	3	3	3	-	3	-	-	14	-	14	14	-	5	5
BURN/SCALD (NOT CHEM.)----	-	-	-	10	10	10	4	14	-	-	159	-	159	159	-	16	16
CHEMICAL BURN-----	-	-	-	8	8	8	-	8	-	-	305	-	305	305	-	38	38
CONCUSSION (CEREBRAL)-----	-	-	-	1	1	1	-	1	-	-	4	-	4	4	-	4	4
CONTUSION OR BRUISE-----	4	-	-	67	67	71	16	87	24,000	-	1,630	1,630	25,630	-	24	361	
CUT OR PUNCTURE-----	-	-	-	41	41	41	61	102	-	-	794	-	794	794	-	19	19
DISLOCATION-----	-	-	-	8	8	8	2	10	-	-	248	-	248	248	-	31	31
DUST IN EYE-----	-	-	-	8	8	8	8	16	-	-	18	-	18	18	-	2	2
ELECTRIC SHOCK-----	1	-	-	1	1	2	-	2	6,000	-	15	15	6,015	-	15	3,008	
FRACTURE-----	-	1	3	42	46	46	9	55	-	6,000	6,600	2,905	15,505	15,505	2,200	69	337
HERNIA (NOT DISC)-----	-	-	3	1	4	4	-	4	-	-	150	-	183	183	50	33	46
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	2	3	-	-	3	-	3	3	-	3	3
RADIATION/ULTRA VIOLET-----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION-----	-	-	-	2	2	2	2	4	-	-	4	-	4	4	-	2	2
STRAIN/SPRAIN-----	-	-	1	131	132	132	20	152	-	-	1,800	4,010	5,810	5,810	1,800	31	44
MULTIPLE INJURIES-----	2	-	-	40	40	42	6	48	12,000	-	-	2,458	2,458	14,458	-	61	344
OTHER INJURY, NEC-----	-	-	-	6	6	6	1	7	-	-	184	-	184	184	-	31	31
UNCLASSIFIED (NO DATA)----	-	1	1	25	27	27	3	30	-	6,000	3,000	1,201	10,201	10,201	3,000	48	378

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1990

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING-SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
SURFACE MINES:								
STRIP:								
ALL COAL:								
WEST VIRGINIA-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
TOTAL SURFACE:								
ALL COAL:								
WEST VIRGINIA-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
TOTAL MINING:								
ALL COAL:								
WEST VIRGINIA-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
TOTAL MINES AND PLANTS:								
ALL COAL:								
WEST VIRGINIA-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
GRAND TOTAL:								
ALL COAL:								
WEST VIRGINIA-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1

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, 1990
(CONTRACTOR 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:											
UNDERGROUND-----	-		104		13		117				
SURFACE-----	3		58		19		80				
TOTAL, UNDERGROUND MINES--	3		162		32		197				
SURFACE MINES:											
STRIP MINES-----	3		133		54		190				
AUGER MINES-----	-		4		2		6				
OTHER SURFACE MINES-----	-		1		-		1				
TOTAL, SURFACE MINES-----	3		138		56		197				
TOTAL, PRODUCTION MINING--	6		300		88		394				
PREPARATION PLANTS-----	1		98		47		146				
INDEPENDENT SHOPS/YARDS-----	-		1		-		1				
TOTAL, OTHER OPERATIONS---	1		99		47		147				
TOTAL, BITUMINOUS MINING--	7		399		135		541				
PENNSYLVANIA ANTHRACITE COAL:											
UNDERGROUND MINES:											
UNDERGROUND-----	-		-		-		-				
SURFACE-----	-		-		-		-				
TOTAL, UNDERGROUND MINES--	-		-		-		-				
SURFACE MINES:											
STRIP MINES-----	-		-		-		-				
CULM BANK-----	-		-		-		-				
DREDGE-----	-		-		-		-				
TOTAL, SURFACE MINES-----	-		-		-		-				
TOTAL, PRODUCTION MINING--	-		-		-		-				
PREPARATION PLANTS-----	-		4		1		5				
INDEPENDENT SHOPS/YARDS-----	-		-		-		-				
TOTAL, OTHER OPERATIONS---	-		4		1		5				
TOTAL, ANTHRACITE MINING--	-		4		1		5				
ALL COAL:											
UNDERGROUND MINES:											
UNDERGROUND-----	-		104	11.87	13	1.48	117	13.35	1,787	1,752,571	105,156
SURFACE-----	3	.18	58	3.42	19	1.12	80	4.72	3,877	3,388,349	-
TOTAL, UNDERGROUND MINES--	3	.12	162	6.30	32	1.24	197	7.66	5,664	5,140,920	105,156
SURFACE MINES:											
STRIP MINES-----	3	.05	133	2.32	54	.94	190	3.32	9,979	11,449,454	501,368
AUGER MINES-----	-		4	3.85	2	1.92	6	5.77	258	207,954	465,904
CULM BANK-----	-		1	1.56	-	-	1	1.56	154	128,478	346,981
DREDGE-----	-		-	-	-	-	-	-	50	33,522	-
TOTAL, SURFACE MINES-----	3	.05	138	2.34	56	.95	197	3.33	10,441	11,819,408	1,314,253
TOTAL, PRODUCTION MINING--	6	.07	300	3.54	88	1.04	394	4.65	16,105	16,960,328	1,419,409
PREPARATION PLANTS-----	1	.04	102	4.51	48	2.12	151	6.67	4,642	4,528,191	-
INDEPENDENT SHOPS/YARDS-----	-		1	395.26	-	-	1	395.26	5	506	-
TOTAL, OTHER OPERATIONS---	1	.04	103	4.55	48	2.12	152	6.71	4,647	4,528,697	-
TOTAL, ALL COAL-----	7	.07	403	3.75	136	1.27	546	5.08	20,752	21,489,025	1,419,409
OFFICEWORKERS:											
BITUMINOUS-----	-		3		1		4				
ANTHRACITE-----	-		-		-		-				
TOTAL, OFFICEWORKERS-----	-		3	.37	1	.12	4	.50	1,368	1,610,504	-
GRAND TOTAL-----	7	.06	406	3.52	137	1.19	550	4.76	22,120	23,099,529	1,419,409

TABLE 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, 1990
(CONTRACTOR DATA)

WORK LOCATION AND MINERAL INDUSTRY	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE	NDL	NDL INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED
UNDERGROUND MINES:										
METAL-----	2		35		24		61			
NONMETAL-----	-		7		2		9			
STONE-----	-		3		1		4			
TOTAL, UNDERGROUND MINES--	2	.20	45	4.50	27	2.70	74	7.41	2,269	1,998,350
SURFACE MINES:										
METAL-----	2		142		108		252			
NONMETAL-----	1		19		3		23			
STONE-----	1		45		15		61			
SUBTOTAL, SURFACE MINES--	4		206		126		336			
SAND AND GRAVEL-----	2		14		7		23			
TOTAL, SURFACE MINES-----	6	.08	220	2.86	133	1.73	359	4.66	13,844	15,393,255
TOTAL, MINES-----	8	.09	265	3.05	160	1.84	433	4.98	16,113	17,391,605
MILLS:										
METAL-----	1		134		88		223			
NONMETAL-----	1		38		44		83			
STONE-----	2		137		81		220			
TOTAL, MILLS-----	4	.08	309	6.14	213	4.23	526	10.46	9,120	10,061,035
INDEPENDENT SHOPS AND YARDS:										
METAL-----	-		-		-		-			
NONMETAL-----	-		-		-		-			
STONE-----	-		-		-		-			
TOTAL, SHOPS AND YARDS---	-		-		-		-		2	2,917
ALL MINES, MILLS AND SHOPS:										
METAL-----	5		311		220		536			
NONMETAL-----	2		64		49		115			
STONE-----	3		185		97		285			
SUBTOTAL-----	10		560		366		936			
SAND AND GRAVEL-----	2		14		7		23			
TOTAL, MINES/MILLS/SHOPS--	12	.09	574	4.18	373	2.72	959	6.99	25,235	27,455,557
OFFICEWORKERS:										
METAL-----	-		3		2		5			
NONMETAL-----	-		-		-		-			
STONE-----	-		1		-		1			
SAND AND GRAVEL-----	-		-		-		-			
TOTAL, OFFICEWORKERS-----	-		4	.54	2	.27	6	.80	1,418	1,491,659
SUMMARY TOTAL (INCLUDES OFFICE- WORKERS):										
METAL-----	5		314		222		541			
NONMETAL-----	2		64		49		115			
STONE-----	3		186		97		286			
SUBTOTAL-----	10		564		368		942			
SAND AND GRAVEL-----	2		14		7		23			
GRAND TOTAL-----	12	.08	578	3.99	375	2.59	965	6.67	26,653	28,947,216