1 of 5

Mine Safety and Health Administration
Informational Report 1189

Injury Experience in Coal Mining, 1988

by

Staff, Division of Mining Information Systems
Denver Safety and Health Technology Center

ERRATA

An additional fatality was recently ruled chargeable to the coal mining industry for 1988, bringing the total to 53 for the Nation.

The accident classification of this fatality was "Electrical." It occurred to a mine foreman at the surface of an underground mine in West Virginia, employment size group 10-19, and production size 0 - 24,999 tons.

The national fatal incidence rate for all coal mining remained unchanged at .03. The rate for surface fatalities at underground mines increased to .07; however, the overall rate for underground mines (underground and surface at underground) remained unchanged at .04. Contractor data were not affected.

The above information is provided to accommodate the slight changes in numbers and rates which will arise in the detailed portion of the publication for 1988.

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Mine Safety and Health Administration
Informational Report 1196

Injury Experience in Coal Mining, 1989

by

Staff, Division of Mining Information Systems

Denver Safety and Health Technology Center

ERRATA

Recent decisions have affected the chargeability of two deaths in the coal mining industry occurring in 1989.

The U.S. Court of Appeals ruled that the death of a contractor in 1989 was not chargeable to the industry. The accident had been classified as "Falling Material" and occurred at an abandoned coal storage silo in Pennsylvania.

This decision reduced the number of contractor fatalities to 5 and also the overall contractor fatality rate to .05 for 1989.

Additionally, MSHA's Fatality Review Committee ruled an operator fatality chargeable due to complications from surgery necessitated by a work injury. The accident was classified as "Powered Haulage" and occurred to a shuttle car operator in an underground mine in Tennessee, employment size 250 or more, and production size 750,000 - 999,999 tons. This decision increased the operator fatalities to 63 but the rate of .04 remained unchanged. The underground rate, however, increased to .07 although the overall rate for underground mines (which includes surface at underground) remained the same at .06.

The number and rate for all coal mining remained unchanged at 68 and .05 due to the cancelling effect of these two decisions.

The above information is provided to accommodate the slight changes in numbers and rates which will arise in the detailed portion of the publication for 1989.

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INJURY EXPERIENCE IN COAL MINING, 1991

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 1991. 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> <u>1/</u>
Death	6,000
Permanent total disability	6,000
Dismemberment or total loss of use	
Arm above elbow	4,500
Arm at or below elbow and above wrist . .	3,600
Hand at wrist	3,000
Leg above knee	4,500
Leg at or below knee and above ankle . .	3,000
Foot at ankle	2,400
Loss of sight:	
One eye (whether or not there is sight in the other eye)	1,800
Both eyes (in one accident)	6,000
Complete industrial loss of hearing:	
One ear (whether or not there is hearing in the other ear)	600
Both ears (in one accident)	3,000
Unrepaired hernia	50

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										21	
	Employment size group	22	22				22	22			22					
		23	23				23	23								
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 1219-0008; 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 imprisoned 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

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

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
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	08	
	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)

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 — Imposition	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 Drudge 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 Men
11. Name of Witness to Accident/Injury/Illness		12. Number of Reportable Injuries or Illnesses Resulting from This Occurrence		
13. Name of Injured/III Employee		14. Sex ☐ Male ☐ Female	15. Date of Birth Month Day Year	
16. Last Four Digits of Social Security Number	17. Regular Job Title	☐ 18. Check if this Injury/Illness resulted in death.	☐ 19. Check if Injury/Illness resulted in permanent disability (include amputation loss of use, & permanent total disability).	
20. What Directly Inflicted Injury or Illness?		21. Nature of Injury or Illness		
22. Part of Body Injured or Affected	23. Occupational Illness (circle applicable code—see instructions) 22 Dust Diseases of the Lungs 23 Respiratory Conditions (toxic agents) 24 Poisoning (toxic materials) 25 Disorders (physical agent) 26 Disorders (repeated trauma) 29 Other		21 Occupational Skin Diseases	

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 25367, DENVER, COLORADO 80225

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

TABLE 1 GENERAL STATISTICS ON INJURY EXPERIENCE, WORKTIME, PRODUCTION, AND PRODUCTIVITY AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991

	EXCLUDING OFFICEWORKERS					INCLUDING OFFICEWORKERS				
	1987	1988	1989	1990	1991	1987	1988	1989	1990	1991
NUMBER OF INJURIES										
FATAL	58	43	62	59	54	58	43	62	59	54
NFDI	12,063	12,187	11,634	11,823	10,828	12,079	12,200	11,659	11,840	10,857
TOTAL LWD INJURIES	12,121	12,230	11,696	11,882	10,882	12,137	12,243	11,721	11,899	10,911
NDI	4,018	3,974	3,826	3,365	3,102	4,043	3,983	3,842	3,376	3,113
TOTAL INJURIES	16,139	16,204	15,522	15,247	13,984	16,180	16,226	15,563	15,275	14,024
INCIDENCE RATES										
FATAL	04	03	05	04	04	04	03	04	04	04
NFDI	8.46	8.94	8.72	8.62	8.64	8.05	8.50	8.30	8.23	8.25
ALL LWD INJURIES	8.50	8.97	8.77	8.66	8.69	8.09	8.53	8.35	8.27	8.29
NDI	2.82	2.92	2.87	2.45	2.48	2.69	2.78	2.74	2.35	2.37
ALL INJURIES	11.31	11.89	11.63	11.12	11.16	10.78	11.31	11.08	10.61	10.66
INJURIES PER MILLION TONS										
FATAL	06	05	06	06	05	06	05	06	06	05
NFDI	13.43	12.98	12.61	11.61	10.98	13.45	12.99	12.04	11.63	11.01
ALL LWD INJURIES	13.50	13.02	12.08	11.67	11.04	13.51	13.04	12.10	11.69	11.06
NDI	4.47	4.23	3.95	3.31	3.15	4.50	4.24	3.97	3.32	3.16
ALL INJURIES	17.97	17.26	16.03	14.98	14.18	18.02	17.28	16.07	15.01	14.22
SEVERITY MEASURES										
FATAL	244	189	279	258	259	232	180	265	246	246
NFDI	312	332	303	424	410	297	316	289	404	392
ALL LWD INJURIES	556	521	582	682	669	529	495	554	650	638
LOST WORKDAYS PER MILLION TONS										
FATAL	387	275	384	348	329	387	275	384	348	329
NFDI	496	481	418	571	521	497	482	419	571	523
ALL LWD INJURIES	883	756	802	919	850	884	757	803	919	852
AVERAGE SEVERITY										
PERMANENT PARTIAL	296	266	266	498	324	295	268	265	498	324
TEMPORARY NFDI	32	32	30	38	43	32	32	30	38	43
ALL LWD INJURIES	65	58	65	79	77	65	58	66	79	77
AVERAGE NUMBER OF EMPLOYEES	150,899	143,274	137,740	139,025	127,650	158,994	151,145	145,407	146,505	134,535
EMPLOYEE HOURS WORKED	285,339,370	272,639,612	266,644,685	274,272,853	250,532,884	300,167,267	286,966,684	280,877,140	287,820,788	263,141,700
PRODUCTION (SHORT TONS)	898,071,062	939,014,695	968,551,488	1,017,923,369	986,116,069	898,071,062	939,014,695	968,551,488	1,017,923,369	986,116,069
TONS PER EMPLOYEE HOUR	3.15	3.44	3.63	3.71	3.94	2.99	3.27	3.45	3.54	3.75
OPERATIONS REPORTED										
NUMBER OF OPERATIONS	4,895	4,649	4,375	4,292	3,997	4,418	4,674	4,414	4,320	4,025
ASSOCIATED WORK LOCATIONS	1,875	1,748	1,705	1,744	1,609	3,443	3,299	3,226	3,303	3,087

TABLE 1A GENERAL STATISTICS ON INJURY EXPERIENCE, WORKTIME, PRODUCTION, AND PRODUCTIVITY AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1991

	EXCLUDING OFFICEMEN					INCLUDING OFFICEMEN				
	1987	1988	1989	1990	1991	1987	1988	1989	1990	1991
NUMBER OF INJURIES										
FATAL		1	1	2			1	1	2	
NFBI	146	146	177	191	159	146	146	177	191	159
TOTAL LWD INJURIES	146	147	178	193	159	146	147	178	193	159
NBI	17	26	60	38	49	17	27	60	38	49
TOTAL INJURIES	163	173	238	231	208	163	174	238	231	208
INCIDENCE RATES										
FATAL		0.6	0.6	1.1			0.6	0.6	1.0	
NFBI	7.97	8.60	10.43	10.34	9.49	7.58	8.16	9.93	9.80	8.95
ALL LWD INJURIES	7.97	8.66	10.49	10.45	9.49	7.58	8.22	9.99	9.90	8.95
NBI	9.3	1.53	3.54	2.06	2.93	8.8	1.51	3.37	1.95	2.76
ALL INJURIES	8.90	10.19	14.03	12.51	12.42	8.46	9.73	13.36	11.85	11.71
INJURIES PER MILLION TONS										
FATAL		3.9	3.3	6.3			3.3	3.3	6.3	
NFBI	44.47	47.52	57.80	60.24	46.71	44.47	47.52	57.80	60.24	46.71
ALL LWD INJURIES	44.47	47.84	58.13	60.88	46.71	44.47	47.84	58.13	60.88	46.71
NBI	5.18	8.46	19.59	11.99	14.39	5.18	8.79	19.59	11.99	14.39
ALL INJURIES	49.65	56.31	77.72	72.86	61.10	49.65	56.63	77.72	72.86	61.10
SEVERITY MEASURES										
FATAL		353	354	650			335	337	616	
NFBI	589	295	432	823	642	560	280	411	779	605
ALL LWD INJURIES	589	648	786	1,472	642	560	615	748	1,395	605
LOST WORKDAYS PER MILLION TONS										
FATAL		1,954	1,959	3,785			1,953	1,959	3,785	
NFBI	3,286	1,629	2,294	4,791	3,157	3,286	1,629	2,394	4,791	3,157
ALL LWD INJURIES	3,286	3,582	4,353	8,576	3,157	3,286	3,582	4,353	8,576	3,157
AVERAGE SEVERITY										
PERMANENT PARTIAL	4,500	50	87	82	1,567	4,500	50	87	82	1,567
TEMPORARY NFBI	43	34	10	47	39	43	34	40	47	39
ALL LWD INJURIES	74	75	75	141	68	74	75	75	141	68
AVERAGE NUMBER OF EMPLOYEES	2,373	2,281	2,120	2,159	2,075	2,493	2,392	2,234	2,285	2,201
EMPLOYEE HOURS WORKED	3,661,716	3,396,622	3,393,289	3,643,082	3,350,252	3,854,634	3,577,411	3,563,833	3,897,607	3,551,137
PRODUCTION (SHORT TONS)	3,283,274	3,072,423	3,062,090	3,170,405	3,404,122	3,283,274	3,072,423	3,062,090	3,170,405	3,404,122
TONS PER EMPLOYEE HOUR	90	90	90	86	1.02	85	86	86	81	96
OPERATIONS REPORTED										
NUMBER OF OPERATIONS	278	271	246	259	262	279	272	251	262	263
ASSOCIATED WORK LOCATIONS	70	78	73	75	67	118	119	116	125	119

TABLE 18. GENERAL STATISTICS ON INJURY EXPERIENCE, WORKTIME, PRODUCTION, AND PRODUCTIVITY AT BLINDING LOAN OPERATIONS IN THE UNITED STATES, 1991

	EXCLUDING OFFICEMEN					INCLUDING OFFICEMEN				
	1987	1988	1989	1990	1991	1987	1988	1989	1990	1991
NUMBER OF INJURIES										
FATAL	58	42	61	57	54	58	42	61	57	54
NON-FATAL	11,917	12,041	11,457	11,639	10,669	11,933	12,054	11,462	11,649	10,698
TOTAL LMD INJURIES	11,975	12,083	11,518	11,696	10,723	11,991	12,096	11,543	11,706	10,752
MDI	4,001	3,948	3,766	3,327	3,053	4,026	3,956	3,762	3,336	3,064
TOTAL INJURIES	15,976	16,031	15,284	15,016	13,776	16,017	16,052	15,325	15,044	13,816
INCIDENT RATES										
FATAL	0.04	0.03	0.05	0.04	0.04	0.04	0.03	0.04	0.04	0.04
NON-FATAL	8.46	8.94	8.70	8.60	8.63	8.05	8.51	8.26	8.21	8.24
ALL LMD INJURIES	8.50	8.98	8.74	8.64	8.68	8.09	8.54	8.32	8.25	8.28
MDI	2.84	2.93	2.86	2.46	2.47	2.72	2.79	2.73	2.35	2.36
ALL INJURIES	11.34	11.91	11.60	11.10	11.15	10.81	11.33	11.05	10.60	10.64
INJURIES PER MILLION TONS										
FATAL	0.06	0.04	0.06	0.06	0.05	0.06	0.04	0.06	0.06	0.05
NON-FATAL	13.32	12.87	11.87	11.46	10.86	13.34	12.88	11.89	11.48	10.84
ALL LMD INJURIES	13.38	12.91	11.93	11.52	10.91	13.40	12.92	11.96	11.54	10.94
MDI	4.47	4.22	3.90	3.28	3.11	4.50	4.23	3.92	3.29	3.12
ALL INJURIES	17.85	17.13	15.83	14.80	14.02	17.90	17.15	15.87	14.87	14.06
SEVERITY MEASURES										
FATAL	247	187	278	253	262	235	178	264	241	250
NON-FATAL	309	332	302	418	407	294	316	287	399	389
ALL LMD INJURIES	556	519	580	671	669	529	494	551	640	639
LOST WORKDAYS PER MILLION TONS										
FATAL	389	269	379	337	330	389	269	379	337	330
NON-FATAL	486	478	412	558	512	486	478	413	558	514
ALL LMD INJURIES	875	747	791	895	842	875	747	792	895	844
AVERAGE SEVERITY										
PERMANENT PARTIAL	277	272	272	507	300	276	272	271	507	300
TEMPORARY MDI	32	32	30	38	43	32	32	30	48	43
ALL LMD INJURIES	65	58	66	78	77	65	58	66	78	77
AVERAGE NUMBER OF EMPLOYEES	148,517	140,992	135,610	136,866	125,575	156,501	148,753	143,173	144,220	142,434
EMPLOYEE HOURS WORKED	281,677,544	269,247,990	263,451,356	270,579,769	247,182,632	296,312,633	283,329,253	277,113,307	283,923,181	259,510,563
PRODUCTION (SHORT TONS)	894,787,788	935,942,272	965,489,358	1,014,752,964	982,711,947	894,787,788	935,942,272	965,489,358	1,014,752,964	982,711,947
TONS PER EMPLOYEE HOUR	3.18	3.48	3.66	3.75	3.98	3.02	3.30	3.48	3.57	3.73
OPERATIONS REPORTED	4,617	4,368	4,129	4,033	3,735	4,639	4,402	4,163	4,058	3,762
NUMBER OF OPERATIONS ASSOCIATED WORK LOCATIONS	1,805	1,670	1,632	1,669	1,542	1,805	1,670	1,632	1,669	1,542

TABLE 2. MINING EXPERIENCE BY DEGREE, WORKING, AND PRODUCTION FOR WORK LOCATION AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION	NUMBER OF INJURIES						INCIDENT RATES				SEVERITY MEASURES			AVERAGE NUMBER OF HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)						
	FATAL	NON-FATAL		TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	FATAL	NON-FATAL	ALL FATAL AND NON-FATAL	ALL INJURIES	FATAL	NON-FATAL	ALL FATAL AND NON-FATAL											
		PERMANENT	TEMPORARY																				
UNDERGROUND MINES	39	1	106	7,808	7,915	7,954	1,872	9,826	06	12,93	12,99	3,06	16,05	387	616	1,022	62,776	122,424	52,3	1,528	1,283	404,017	351
SURFACE AT UNDERGROUND	4	10	551	561	565	209	767	06	8,67	8,93	3,19	12,12	379	419	796	7,029	12,653	947	47	283			
TOTAL OR AVERAGE	43	1	116	8,359	8,476	8,519	2,074	10,593	06	12,55	12,61	3,07	15,68	387	619	1,001	69,745	135,078	530	1,605	1,283	404,017	351
SURFACE MINES																							
SHIP ALONG COAST BANK OFFICE	7	21	1,404	1,425	1,430	6/5	2,107	02	3,43	3,45	1,62	5,07	101	127	228	41,451	83,102	81,3	1,515	59	576	452	864
TOTAL OR AVERAGE SURFACE MINES	7	21	1,404	1,425	1,430	6/5	2,107	02	3,43	3,45	1,62	5,07	101	127	228	41,451	83,102	81,3	1,515	59	576	452	864
TOTAL OR AVERAGE MINING	50	1	140	9,811	9,952	10,000	2,775	12,777	05	9,06	9,11	2,53	11,64	273	434	709	112,308	219,591	750	3,298	1,342	986,116	650
INDEPENDENT SHOPS	1	1	55	56	57	48	105	09	5,25	5,34	4,50	9,84	562	266	828	1,114	2,134	854	83				
PROCESSING PLANTS	3	17	803	820	823	275	1,102	02	5,69	5,71	1,94	7,63	125	238	362	14,228	28,806	278	616	262			
TOTAL OR AVERAGE ALL MINES AND PLANTS	54	1	158	10,665	10,678	10,682	3,107	13,384	04	8,64	8,69	2,48	11,16	259	410	669	127,656	250,522	884	3,997	1,605	986,116	659
OFFICE				25	29	29	11	40		46	46	17	63		28	28	6,385	12,608	815	28	1,415		
GRAND TOTAL OR AVERAGE	54	1	158	10,690	10,697	10,711	3,113	14,024	04	8,75	8,79	2,37	10,66	246	392	638	134,635	263,141	700	4,025	3,087	986,116	659

TABLE 2A INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)												
	FATAL	NON-FATAL				TOTAL INJURIES	FATAL	NON-FATAL	TOTAL INJURIES	FATAL	NON-FATAL	ALL FATAL AND NON-FATAL	FATAL	NON-FATAL	ALL FATAL AND NON-FATAL																	
		TOTAL	PARTIAL	FATAL AND NON-FATAL	TOTAL INJURIES																FATAL	NON-FATAL	ALL FATAL AND NON-FATAL	FATAL	NON-FATAL	ALL FATAL AND NON-FATAL						
																											FATAL	NON-FATAL	TOTAL INJURIES	FATAL	NON-FATAL	ALL FATAL AND NON-FATAL
UNDERGROUND MINES UNDERGROUND SURFACE AT UNDERGROUND																																
TOTAL OR AVERAGE																																
SURFACE MINES																																
STRIP																																
AUGER																																
CLIM BANK																																
DREDGE																																
TOTAL OR AVERAGE SURFACE MINES																																
TOTAL OR AVERAGE MINING																																
INDEPENDENT SHOPS																																
PROCESSING PLANTS																																
TOTAL OR AVERAGE ALL MINES AND PLANTS																																
OFFICE																																
GRAND TOTAL OR AVERAGE																																

TABLE 2B. INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)		
	FATAL	NFI				TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJURY RATES	FATAL						NFI	ALL FATAL AND NFI
		PERMANENT	TEMPORARY	TOTAL NFI	TOTAL FATAL AND NFI															
UNDERGROUND MINES	39	1	106	7,801	7,908	9,917	1,870	7,947	13.02	3.06	16.08	383	641	1,024	122,010,415	1,484	403,694,730			
UNDERGROUND SURFACE AT UNDERGROUND	4		10	551	561	767	202	565	9.01	3.22	12.23	383	423	805	12,945,740	44	1,225			
TOTAL OR AVERAGE	43	1	116	8,352	8,469	10,584	2,072	8,512	12.65	3.08	15.72	383	620	1,004	134,616,155	1,528	403,694,730			
SURFACE MINES	7		20	1,343	1,363	2,028	658	1,370	3.34	1.61	4.95	103	123	225	81,928,100	1,412	514,626,924			
STRIP			24	24	25	40	15	26	7.75	4.65	12.41	287	287	287	1,644,167	82	56			
AUGER			1	11	12	15	3	12	9.21	2.32	11.58	199	199	199	298,189	26	5			
CUM BANK DREDGE			2	2	2	5	3	2	3.56	5.34	8.91	651	651	651	112,277	21	426,419			
TOTAL OR AVERAGE SURFACE MINES	7	22	1,380	1,402	1,409	2,088	679	1,409	3.38	1.64	5.03	101	125	226	82,943,933	1,571	519,017,217			
TOTAL OR AVERAGE MINING	50	1	138	9,732	9,871	12,672	2,751	9,921	9.12	2.53	11.65	216	432	707	217,560,088	3,099	982,711,947			
INDEPENDENT SHOPS	1		1	50	51	99	47	52	4.95	4.56	9.61	582	220	802	2,060,562	80				
PROCESSING PLANTS	3		16	731	747	1,005	295	756	5.42	1.85	7.29	131	230	360	27,561,982	556	253			
TOTAL OR AVERAGE ALL MINES AND PLANTS	54	1	155	10,513	10,669	13,776	3,053	10,723	8.68	2.47	11.15	262	407	669	247,182,632	3,735	982,711,947			
OFFICE				29	29	40	11	29	47	18	64		29	29	12,407,931	27	1,426			
GRAND TOTAL OR AVERAGE	54	1	155	10,542	10,698	13,816	3,064	10,752	8.28	2.36	10.64	250	389	639	246,590,563	3,752	982,711,947			

TABLE 3. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI				TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI				TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI
		PERMANENT		TEMPO RARY	TOTAL NFDI					PERMANENT		TEMPO RARY	TOTAL NFDI				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES:																	
UNDERGROUND	39	1	106	7,808	7,915	7,954	1,872	9,826	234,000	6,000	36,103	349,292	391,395	625,395	341	45	79
SURFACE AT UNDERGROUND	4	-	10	551	561	565	202	767	24,000	-	1,125	25,392	26,517	50,517	112	46	89
TOTAL OR AVERAGE	43	1	116	8,359	8,476	8,519	2,074	10,593	258,000	6,000	37,228	374,684	417,912	675,912	321	45	79
SURFACE MINES:																	
STRIP	7	-	21	1,404	1,425	1,432	675	2,107	42,000	-	4,600	48,202	52,802	94,802	219	34	66
AUGER	-	-	1	24	25	25	15	40	-	-	50	874	924	924	50	36	37
CULM BANK	-	-	2	22	24	24	8	32	-	-	4,550	503	5,053	5,053	2,275	23	211
DREDGE	-	-	-	2	2	2	3	5	-	-	-	371	371	371	-	186	186
TOTAL OR AVERAGE, SURFACE MINES	7	-	24	1,452	1,476	1,483	701	2,184	42,000	-	9,200	49,950	59,150	101,150	383	34	68
TOTAL OR AVERAGE, MINING	50	1	140	9,811	9,952	10,002	2,775	12,777	300,000	6,000	46,428	424,634	477,062	777,062	332	43	78
INDEPENDENT SHOPS	1	-	1	55	56	57	48	105	6,000	-	50	2,789	2,839	8,839	50	51	155
PROCESSING PLANTS	3	-	17	803	820	823	279	1,102	18,000	-	4,679	29,530	34,209	52,209	275	37	63
TOTAL OR AVERAGE, ALL MINES AND PLANTS	54	1	158	10,669	10,828	10,882	3,102	13,984	324,000	6,000	51,157	456,953	514,110	838,110	324	43	77
OFFICE	-	-	-	29	29	29	11	40	-	-	-	1,796	1,796	1,796	-	62	62
GRAND TOTAL OR AVERAGE	54	1	158	10,698	10,857	10,911	3,113	14,024	324,000	6,000	51,157	458,749	515,906	839,906	324	43	77

TABLE 3A NUMBER OF INJURIES, LOSI WORKDAYS, AND AVERAGE SEVERITY BY DEPT. FOR WORK LOCATION AT ANTIHILLIC COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION	NUMBER OF INJURIES						LOSI WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI		TOTAL FATAL AND NFDI	NOI	TOTAL INJURIES	FATAL	NFDI		TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI		
		PERMANENT	PARTIAL					TEMPORARY	TOTAL NFDI						
UNDERGROUND MINES: UNDERGROUND SURFACE AT UNDERGROUND															
TOTAL OR AVERAGE															
7			7	7	7	2	9						55	55	
SURFACE MINES: STRIP AUER COAL BANK DETACH															
1			61	62	62	17	79	50	2,399	2,449	2,449	50	39	40	400
1			11	12	12	5	17	4,500	295	4,795	4,500	27			
TOTAL OR AVERAGE SURFACE MINES	2		72	74	74	22	96	4,550	2,694	7,244	2,275	37	98		
TOTAL OR AVERAGE MINING	2		79	81	81	24	105	4,550	3,078	7,628	2,275	39	94		
INDEPENDENT SHOPS PROCESSING PLANTS															
1			5	5	5	1	6		571	571	571		114	114	
1			72	73	73	24	97	150	2,399	2,549	2,549	150	33	35	
TOTAL OR AVERAGE ALL MINES AND PLANTS	3		156	159	159	49	208	4,700	6,048	10,748	1,567	39	68		
OFFICE															
3			156	159	159	49	208	4,700	6,048	10,748	1,567	39	68		
GRAND TOTAL OR AVERAGE															

TABLE 3B. NUMBER OF INJURIES, LOSS WORKDAYS, AND AVERAGE SEVERITY BY DISTRICT FOR WORK LOCATIONS AT BILUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION	NUMBER OF INJURIES						LOSS WORKDAYS						AVERAGE SEVERITY				
	FATAL	PERMANENT		TEMPORARY	TOTAL AND NONFATAL	TOTAL INJURIES	FATAL	NONFATAL		TOTAL AND NONFATAL	TOTAL INJURIES	PERMANENT PARTIAL	TEMPORARY RISKY	TOTAL FATAL AND NONFATAL			
		PARITIAL	PARITIAL					PARITIAL	PARITIAL								
UNDERGROUND MINES	39	1	106	7,801	7,908	7,947	1,870	9,817	294,000	6,000	36,103	348,908	391,011	625,011	341	45	79
UNDERGROUND SURFACE AT UNDERGROUND	4	10	551	561	561	561	202	767	24,000		1,125	25,392	26,517	50,517	112	46	89
TOTAL OR AVERAGE	43	1	116	8,352	8,469	8,512	2,072	10,584	308,000	6,000	37,228	374,300	417,528	675,528	321	45	79
SURFACE MINES	7	20	1,343	1,363	1,370	658	2,028	42,000			4,550	45,803	50,353	92,353	228	34	67
STRIP		1	24	25	25	15	40				50	874	924	924	50	36	67
AUTER		1	11	12	12	3	15				50	208	258	258	50	19	37
CUM BANK			2	2	2	3	5				371	371	371	371	185	185	185
DIRECT																	
TOTAL OR AVERAGE SURFACE MINES	7	22	1,380	1,402	1,405	679	2,088	42,000			4,550	47,256	51,906	93,906	211	34	67
INDEPENDENT SHOPS	50	1	128	9,729	9,871	9,921	2,751	12,672	300,000	6,000	41,878	421,556	469,434	769,434	303	43	78
PRODUCING PLANTS	3	16	50	51	52	47	99		5,000		50	2,218	2,268	8,268	50	44	159
TOTAL OR AVERAGE ALL MINES AND PLANTS	54	1	125	10,513	10,663	10,723	3,053	13,776	324,000	6,000	46,457	450,905	503,362	827,362	300	43	77
OFFICE				29	29	29	11	40			1,796	1,796	1,796	1,796	62	62	62
GRAND TOTAL OR AVERAGE	54	1	125	10,542	10,692	10,752	3,064	13,816	324,000	6,000	46,457	452,701	505,158	829,158	300	43	77

TABLE 4 INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENT RATES	SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)			
	FATAL	MEDI			TOTAL FATAL AND MEDI	TOTAL INJURIES		FATAL	MEDI	ALL FATAL AND MEDI								
		PERMANENT	TEMPORARY															
			TOTAL	PARTIAL														
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND)	2	1	21	22	24	28	1 36	14 97	16 28	2 71	18 99	8 139	8 882	436	294 860	161	65	159 795
1-4	3	3	70	73	76	97	36	8 67	9 03	2 50	11 53	2 139	3 009	1 621	1 683 147	231	156	2 840 170
5-9	9	6	466	472	481	562	20	10 75	10 95	1 84	12 80	1 230	1 702	6 090	8 783 904	477	349	22 741 139
10-19	12	18	866	884	896	1 106	15	11 04	11 19	2 61	13 80	609	1 527	9 589	16 010 651	366	292	48 767 817
20-34	3	10	658	669	672	826	06	12 51	12 56	3 68	15 44	337	985	5 788	10 697 674	144	131	33 950 813
35-49	3	15	973	989	992	1 262	04	12 56	12 60	3 68	16 28	279	907	7 550	15 749 145	113	110	48 437 539
50-99	4	17	649	661	665	805	08	13 27	13 35	4 11	17 46	482	671	4 784	9 963 684	39	37	30 475 941
100-149	3	17	1 646	1 663	1 666	2 069	03	14 97	14 94	3 61	18 56	161	884	10 949	22 296 236	52	51	70 513 820
150-249	4	34	3 008	3 043	3 047	3 754	02	12 27	12 29	2 85	15 14	97	647	23 292	49 589 229	62	62	146 361 347
250 OR MORE																		
TOTAL OR AVERAGE	43	1	116	8 476	8 519	10 543	06	12 55	12 61	3 07	15 68	382	1 001	69 749	135 078 530	1 625	1 383	404 317 751
SURFACE MINES																		
STRIP																		
1-4		1	23	24	24	30	03	3 37	3 37	84	4 21	135	135	1 263	1 423 675	498		3 875 340
5-9		5	50	50	50	69	06	4 07	4 10	1 38	5 47	168	243	3 978	7 125 378	279		3 370 353
10-19	1	3	231	234	237	346		4 57	4 63	2 13	6 75	351	510	5 188	10 246 124	196		21 441 823
20-34		3	119	119	119	180		3 69	3 69	1 69	5 56		154	3 969	6 456 722	74		29 529 496
35-49		4	262	262	262	354	06	3 95	3 95	1 83	5 33	390	107	5 891	13 282 388	83		80 175 385
50-99	3	7	156	163	166	240		3 53	3 54	1 82	5 41		557	4 374	9 240 369	35		83 830 115
100-149		1	234	235	235	341		3 91	3 91	1 76	5 68		191	5 852	12 012 340	24		129 095 222
150-249			193	193	193	342		1 89	1 89	1 46	3 34		56	9 944	20 456 643	27		180 514 242
250 OR MORE																		
TOTAL OR AVERAGE	7	21	1 404	1 475	1 432	2 107	02	3 43	3 45	1 62	5 07	101	228	41 461	83 102 813	1 515		576 452 864
AUGER																		
1-4		1	7	8	8	12		6 47	6 47	3 23	9 70		344	293	267 368	62		1 185 403
5-9		4	4	4	4	8		4 38	4 38	4 38	8 77		184	132	182 403	13		1 907 027
10-19			13	13	13	20		12 09	12 09	6 51	18 60		308	138	214 366	7		1 215 649
TOTAL OR AVERAGE		1	24	25	25	40		7 75	7 75	4 65	12 41		287	563	644 767	82		3 318 019
CUM BANK																		
1-4		1	5	6	6	7		9 41	9 41	1 57	10 98		177	129	127 473	47		289 123
5-9		2	2	2	2	3		2 50	2 50	1 25	3 75		42	94	160 150	14		206 336
10-19		2	2	2	2	4		3 01	3 01	3 01	6 01		344	84	133 037	6		220 366
20-34		1	13	14	14	18		13 63	13 63	3 89	17 53		4 554	92	205 413	4		362 189
35-49														45	22 040	1		
TOTAL OR AVERAGE		2	22	24	24	32		7 41	7 41	2 47	9 87		1 559	444	648 163	72		1 698 814
DRIFTAGE																		
1-4			1	1	1	1		4 14	4 14		4 14		223	56	48 357	19		74 117
5-9			1	1	1	4		4 03	4 03	12 09	16 13		1 278	25	49 608	4		311 424
10-19														10	19 512	1		42 770
TOTAL OR AVERAGE			2	2	2	5		3 40	3 40	5 11	8 51		632	91	117 477	24		428 961

TABLE 4 INJURY EXPERIENCE BY DEGREE, WORK/LINE AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENT RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)									
	FATAL	NFI				TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI														
		PERMANENT	TOTAL	PARTIAL	TOTAL														FATAL	NFI	ALL FATAL AND NFI						
																						TOTAL	PARTIAL	TOTAL	FATAL	NFI	ALL FATAL AND NFI
TOTAL OR AVERAGE SURFACE																											
1	4																										
5	9																										
10	19																										
20	34																										
35	49																										
50	99																										
100	149																										
150	249																										
250 OR MORE																											
TOTAL OR AVERAGE																											
TOTAL OR AVERAGE MINING																											
1	4																										
5	9																										
10	19																										
20	34																										
35	49																										
50	99																										
100	149																										
150	249																										
250 OR MORE																											
TOTAL OR AVERAGE																											
INDEPENDENT SHOPS																											
1	4																										
5	9																										
10	19																										
20	34																										
35	49																										
50	99																										
100	149																										
TOTAL OR AVERAGE																											
PROCESSING PLANTS																											
1	4																										
5	9																										
10	19																										
20	34																										
35	49																										
50	99																										
100	149																										
150	249																										
TOTAL OR AVERAGE																											

TABLE 4. INQUIRY EXPERIENCE BY SECTOR, WORKING AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT STATUS GROUP. ALL TOTAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

WORK LOCATION AND EMPLOYMENT STATUS GROUP	NUMBER OF INQUIRIES						INQUIRY RESULTS				SPECIAL FEATURES			AVERAGE NUMBER OF HOURS	EMPLOYMENT HOURS	NUMBER OF OFFERS	NUMBER OF OFFERS	AVERAGE OFFER	PRODUCTION																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	TOTAL	NO.		TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		PART A	PART B																	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL

TABLE 4A INJURY EXPERIENCE BY DEGREE WORK TIME AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES										INCIDENT RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)
	FATAL	NFI				TOTAL FATAL AND NFI	NFI	TOTAL FATAL AND NFI	FATAL	NFI	ALL INJURY RATES	FATAL	NFI	ALL FATAL AND NFI								
		PERMANENT	TEMPORARY												TOTAL FATAL AND NFI							
			TOTAL	PARTIAL	NFI																	
																TOTAL	INJURIES					
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND)																						
1-4																						
5-9																						
10-19																						
20-24																						
TOTAL OR AVERAGE																						
SURFACE MINES STRIP																						
1-4																						
5-9																						
10-19																						
20-24																						
50-99																						
150-249																						
TOTAL OR AVERAGE																						
CLIM BANK																						
1-4																						
5-9																						
10-19																						
20-24																						
35-49																						
TOTAL OR AVERAGE																						
DREGE																						
1-4																						
TOTAL OR AVERAGE																						
SURFACE																						
1-4																						
5-9																						
10-19																						
20-24																						
35-49																						
50-99																						
150-249																						
TOTAL OR AVERAGE																						

TABLE 4A INJURY EXPERIENCE BY DEGREE, WORKLINE AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES										INCIDENT RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	FATAL	NFI					TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	FATAL	NFI	ALL FATAL AND NFI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		PERMANENT		TEMPORARY	TOTAL NFI	FATAL AND NFI									ALL FATAL AND NFI	FATAL	NFI						ALL FATAL AND NFI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		TOTAL	PARTIAL																					FATAL	NFI	ALL FATAL AND NFI	FATAL	NFI	ALL FATAL AND NFI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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TABLE 4A INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES 1991 (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	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																					
1 4				9	9	9	2	11	3.06	3.06	68	3.74	110	110	494	587,736	154	77	807,111		
5 9		1		21	22	22	10	32	5.59	5.59	2.54	8.13	292	292	464	787,540	67	33	1,137,389		
10 19			1	18	19	19	11	30	5.61	5.61	3.25	8.86	174	174	350	677,481	25	4	636,189		
20 34			1	24	25	25	7	32	8.40	8.40	2.35	10.76	1,696	1,696	349	595,048	11	4	305,551		
35 49				1	1	1		1	2.30	2.30		2.30	85	85	89	86,898	1	1			
50 99				56	56	56	13	69	21.68	21.68	5.03	26.71	903	903	266	516,675	4		198,656		
150 249				27	27	27	6	33	18.01	18.01	4.00	22.02	847	847	187	299,759	1		319,226		
TOTAL OR AVERAGE		3		156	159	159	49	208	8.95	8.95	2.76	11.71	605	605	2,201	3,551,137	263	119	3,404,122		

TABLE 4B. INDUSTRY EFFICIENCY BY DEFECT MONITORING AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP A: BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991

[illegible]

TABLE 4B. INJURY EXPERIENCE BY DEGREE, WORKING AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALL U.S. COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INJURY RATES						SEVERITY MEASURES			AVERAGE NUMBER OF ADVERSE EVENTS	EMPLOYEE -ADVERSE EVENTS	NUMBER OF OFFICIAL INQUIRIES	ADVERSE EVENTS PER 1,000 EMPLOYEES	ADVERSE EVENTS PER 1,000 EMPLOYEES
	FATAL	NON-FATAL		TOTAL	FATAL AND NON-FATAL	TOTAL INJURIES	FATAL	ALL FATAL AND NON-FATAL		ALL INJURY RATES	FATAL	NON-FATAL	ALL FATAL AND NON-FATAL							
		PERMANENT	TEMPORARY					ALL FATAL AND NON-FATAL	ALL INJURY RATES											
TOTAL OR AVERAGE ALL MINES AND PLANTS	2	4	83	87	89	28	14	5.00	5.14	1.93	8.07	628	298	1.066	2.519	2.898	31.2	1.26		
1	3	4	170	174	177	70	09	5.02	5.11	2.02	7.13	520	332	1.065	2.495	2.898	31.2	1.26		
5	12	11	727	738	750	197	12	7.25	7.36	2.71	10.29	520	332	1.065	2.495	2.898	31.2	1.26		
10	19	25	1,270	1,285	1,312	311	10	7.92	8.02	2.78	10.29	520	332	1.065	2.495	2.898	31.2	1.26		
20	34	14	1,958	1,972	1,995	499	03	8.22	8.25	2.80	10.47	520	332	1.065	2.495	2.898	31.2	1.26		
35	49	1	1,420	1,445	1,449	371	03	8.06	8.08	2.78	10.47	520	332	1.065	2.495	2.898	31.2	1.26		
50	99	1	1,827	1,847	1,854	312	07	8.44	8.46	3.11	11.61	418	417	1.065	2.495	2.898	31.2	1.26		
100	149	1	1,826	1,847	1,854	312	07	8.44	8.46	3.11	11.61	418	417	1.065	2.495	2.898	31.2	1.26		
250 OR MORE	4	34	1,826	1,847	1,854	312	01	9.24	9.25	2.44	11.69	69	407	1.065	2.495	2.898	31.2	1.26		
TOTAL OR AVERAGE	54	155	10,513	10,569	10,723	3,063	04	8.63	8.68	2.47	11.15	262	407	1.065	2.495	2.898	31.2	1.26		
OFFICE	4	11	11	11	11	16														
1	4	11	11	11	11	16														
5	9	8	8	8	8	9														
10	19	4	4	4	4	7														
20	34	2	2	2	2	3														
35	49	2	2	2	2	3														
50	99	2	2	2	2	3														
100	149	2	2	2	2	3														
TOTAL OR AVERAGE	29	29	29	29	29	40														
GRAND TOTAL OR AVERAGE	2	4	94	98	100	33	07	3.23	3.29	1.09	4.38	395	150	1.065	2.495	2.898	31.2	1.26		
1	4	4	179	182	185	71	06	3.87	3.94	1.51	5.45	383	249	1.065	2.495	2.898	31.2	1.26		
5	9	11	733	742	754	202	11	6.57	6.68	2.71	9.45	520	332	1.065	2.495	2.898	31.2	1.26		
10	19	25	1,272	1,287	1,314	312	10	7.50	7.60	2.75	10.18	520	332	1.065	2.495	2.898	31.2	1.26		
20	34	14	1,960	1,974	1,997	499	03	7.89	7.91	2.77	10.18	520	332	1.065	2.495	2.898	31.2	1.26		
35	49	1	1,427	1,448	1,451	371	03	7.89	7.91	2.77	10.18	520	332	1.065	2.495	2.898	31.2	1.26		
50	99	1	1,827	1,847	1,854	312	07	8.20	8.27	3.03	11.29	407	407	1.065	2.495	2.898	31.2	1.26		
100	149	1	1,826	1,847	1,854	312	07	8.20	8.27	3.03	11.29	407	407	1.065	2.495	2.898	31.2	1.26		
250 OR MORE	4	34	1,826	1,847	1,854	312	01	9.24	9.25	2.44	11.69	69	407	1.065	2.495	2.898	31.2	1.26		
TOTAL OR AVERAGE	54	155	10,513	10,569	10,723	3,064	04	8.24	8.28	2.36	10.64	260	395	1.065	2.495	2.898	31.2	1.26		

TABLE 5. NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY										
	FATAL	NON-FATAL			TOTAL INJURIES	FATAL	NON-FATAL			TOTAL HOURS	FATAL	NON-FATAL	TOTAL	PER EMPLOYMENT	TOTAL								
		INJURIES					HOURS																
		PERMANENT	TEMPORARY	TOTAL			PERMANENT	TEMPORARY	TOTAL														
UNDERGROUND MINES, INCLUDING SURFACE AT UNDERGROUND																							
1-4	2	1	21	24	28	12,000		1,044	1,044	13,044	50	1,044	1,094	50	246								
5-9	3	3	70	76	97	18,000		2,223	2,223	25,223	1,100	2,223	3,323	50	333								
10-19	6	6	427	439	462	94,000		19,440	19,440	103,440	1,140	19,440	104,580	50	150								
20-34	12	18	866	892	926	72,000		41,169	41,169	113,169	504	41,169	114,213	50	186								
35-49	3	10	659	672	706	18,000		31,635	31,635	50,635	364	31,635	51,999	50	78								
50-99	3	15	373	388	402	18,000	6,000	41,928	41,928	59,928	367	41,928	60,295	50	12								
100-149	4	12	649	661	673	24,000		31,428	31,428	55,428	122	31,428	55,550	50	96								
150-249	3	17	1,646	1,663	1,680	18,000		18,442	18,442	36,442	106	18,442	36,548	50	59								
250 OR MORE	4	34	3,063	3,097	3,131	24,000		126,662	126,662	150,662	287	126,662	150,949	50	53								
TOTAL OR AVERAGE	43	116	8,359	8,475	8,591	298,000	6,000	37,228	37,228	432,228	321	37,228	435,456	45	79								
SURFACE MINES																							
SHIP	1	1	23	24	30	5,000		912	912	962	50	912	962	50	40								
5-9	5	5	50	60	69	18,000		2,001	2,001	2,001	50	2,001	2,001	50	40								
10-19	10	10	140	145	156	18,000		7,946	7,946	8,446	100	7,946	8,546	50	70								
20-34	3	3	231	237	246	18,000		4,961	4,961	5,128	67	4,961	5,228	50	42								
35-49	3	4	119	119	130	18,000		6,728	6,728	7,103	94	6,728	7,197	50	27								
50-99	3	7	250	262	264	18,000		4,377	4,377	4,727	486	4,377	4,813	50	125								
100-149	3	7	156	163	166	18,000		11,418	11,418	11,493	75	11,418	11,568	50	45								
150-249	3	1	234	235	241	18,000		5,981	5,981	5,981	75	5,981	5,981	50	31								
250 OR MORE	3	1	193	193	192	42,000		48,202	48,202	48,202	219	48,202	48,421	50	66								
TOTAL OR AVERAGE	31	21	1,404	1,425	1,437	120,000	4,000	48,202	48,202	94,802	219	48,202	95,021	34	111								
HAZARDOUS WASTE																							
1-4	1	1	7	8	12	18,000		375	375	405	50	375	405	50	53								
5-9	5	4	4	4	8	18,000		168	168	168	50	168	168	50	42								
10-19	10	13	13	13	20	18,000		337	337	337	50	337	337	50	25								
TOTAL OR AVERAGE	17	14	24	25	40	54,000	50	874	874	904	50	874	904	50	37								
QUARRY																							
1-4	1	1	5	6	7	18,000		63	63	113	50	63	113	50	19								
5-9	5	2	2	2	3	18,000		34	34	34	50	34	34	50	12								
10-19	10	2	2	2	4	18,000		229	229	229	50	229	229	50	14								
20-34	20	14	14	14	18	18,000		177	177	4,677	4,500	177	4,677	4,500	134								
35-49	25	2	2	2	5	18,000		503	503	5,053	4,550	503	5,053	4,550	334								
TOTAL OR AVERAGE	51	22	24	24	32	90,000	4,550	503	503	5,053	4,550	503	5,053	4,550	211								
DRIFT																							
1-4	1	1	1	1	1	18,000		54	54	54	50	54	54	50	54								
5-9	5	1	1	1	4	18,000		317	317	317	50	317	317	50	317								
10-19	10	2	2	2	5	18,000		371	371	371	50	371	371	50	186								
TOTAL OR AVERAGE	16	4	4	4	10	54,000	4,500	371	371	371	4,500	371	371	4,500	186								

TABLE 5. NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALL TOTAL OPERATIONS IN THE UNITED STATES, 1987 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY		
	FATAL	NON-FATAL			TOTAL INJURIES	FATAL	NON-FATAL			TOTAL HOURS AND MIN	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NON-FATAL
		PERMANENT	TOTAL				TOTAL	PARTIAL	TEMPORARY				
			TOTAL	PARTIAL									
TOTAL OR AVERAGE SURFACE													
1 4		3	36	57	39	50	11	150	1,404	1,254	50	35	40
5 9		5	155	160	161	84	27	500	2,500	2,500		44	44
10 19	1	4	244	248	251	219	56	500	3,500	3,500	100	28	68
20 34	3		119	119	119	182	113	4,700	8,105	12,805	1,175	33	123
35 49		4	256	262	262	354	92	375	4,961	4,961	34	42	42
50 99	3		156	163	166	250	84	3,400	6,708	7,103	486	26	27
100 149		1	234	235	235	341	106	75	4,327	25,107	486	28	28
150 249			193	193	193	342	142	11,418	11,453	11,453	75	49	49
250 OR MORE								5,981	5,981	5,981		31	31
TOTAL OR AVERAGE	7	24	1,452	1,416	1,483	2,184	703	9,200	49,950	59,150	383	34	58
TOTAL OR AVERAGE MINING													
1 4		4	57	61	63	78	15	200	2,448	2,648	50	43	233
5 9	2		109	130	133	181	48	5,100	4,743	9,843	1,700	37	209
10 19	3	11	621	632	642	781	139	1,340	24,747	25,747	1,272	39	134
20 34	15	22	1,110	1,122	1,132	1,460	322	12,775	39,214	53,049	636	44	131
35 49	3	10	778	788	791	1,005	216	7,536	26,012	39,548	364	46	73
50 99	3	19	1,231	1,251	1,254	1,636	302	5,815	48,656	78,531	309	40	63
100 149	2	19	805	824	831	1,120	289	4,865	41,195	63,195	256	45	100
150 249	3	18	1,880	1,898	1,901	2,410	503	1,875	90,160	110,035	104	48	58
250 OR MORE	4	34	3,202	3,236	3,240	4,096	856	9,753	132,643	166,406	287	41	51
TOTAL OR AVERAGE	50	140	9,811	9,952	10,002	12,777	2,775	46,496	494,634	477,362	332	43	78
INDEPENDENT SHOPS													
1 4		1	4	4	4	4	4	50	180	180		45	45
5 9			7	8	8	10	9	917	917	917	50	130	126
10 19	1		12	12	13	22	3	505	505	505		42	50
20 34			2	2	2	5	5	57	57	57		28	28
35 49			20	20	20	33	13	918	918	918		46	46
50 99			3	3	3	5	2	88	88	88		29	29
100 149			7	7	7	24	17	126	126	126		18	18
TOTAL OR AVERAGE	1	1	55	56	57	105	48	50	2,189	2,189	50	51	155
PROCESSING PLANTS													
1 4			31	31	31	46	15	126	1,236	1,236		40	40
5 9			57	58	58	85	26	100	1,855	1,855	150	30	30
10 19	1	1	112	113	114	174	50	100	2,935	2,935	100	25	28
20 34	1	1	183	185	186	241	53	260	5,153	5,153	20	37	110
35 49		4	161	163	165	218	47	260	5,580	5,580	62	33	34
50 99		6	242	248	248	306	52	3,826	9,208	13,128	638	38	53
100 149		1	15	16	16	22	5	150	624	624	150	30	30
150 249													
TOTAL OR AVERAGE	3	17	803	820	823	1,102	295	4,219	29,530	34,209	275	37	63

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, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL		
		PERMANENT		TOTAL			PERMANENT		TOTAL						
		TOTAL	PARTIAL				TOTAL	PARTIAL							
TOTAL OR AVERAGE ALL MINES AND PLANTS	2	4	92	96	98	30	128	12 000	200	3 864	4 064	16 064	50	42	164
1	3	5	191	196	199	80	279	18 000	5 300	7 359	12 659	30 659	1 060	39	154
5	12	12	745	757	769	208	977	102 000	13 975	27 751	29 191	101 191	1 200	37	154
10	17	26	1 294	1 320	1 337	378	1 715	182 000	13 975	57 883	71 858	173 858	538	45	130
20	3	14	959	973	976	281	1 257	18 000	3 885	42 270	46 155	64 155	278	44	66
35	3	25	1 476	1 502	1 505	442	1 947	18 000	9 704	58 943	73 747	91 747	388	39	61
50	7	20	827	847	854	312	1 166	42 000	5 015	36 890	41 905	63 905	251	45	96
100	3	18	1 883	1 901	1 904	515	2 419	18 000	1 875	90 250	92 125	110 125	104	48	58
150	4	34	3 202	3 236	3 240	856	4 096	24 000	9 763	132 643	142 406	166 406	287	41	51
250 OR MORE	54	158	10 669	10 828	10 882	3 102	13 984	324 000	51 157	456 953	514 110	838 110	324	43	77
TOTAL OR AVERAGE															
OFFICE															
1			11	11	11	5	16			812	812	812		74	
5			8	8	8	1	9			178	178	178		22	
10			4	4	4	3	7			619	619	619		155	
20			2	2	2	1	3			84	84	84		42	
35			2	2	2	1	2			98	98	98		49	
50			2	2	2	1	3			5	5	5		2	
100			2	2	2	1	3								
149			29	29	29	11	40			1 796	1 796	1 796		62	
TOTAL OR AVERAGE															
GRAND TOTAL OR AVERAGE															
1	2	4	103	107	109	35	144	12 000	200	4 676	4 876	16 876	50	45	155
5	3	5	199	204	207	81	288	18 000	5 300	7 537	12 837	30 837	1 060	38	149
10	12	12	749	761	773	211	994	72 000	13 975	28 370	29 810	101 810	1 200	36	132
20	17	26	1 296	1 322	1 339	379	1 718	102 000	13 975	57 967	71 942	173 942	538	45	130
35	3	14	961	975	978	281	1 259	18 000	3 885	42 368	46 253	64 253	278	44	66
50	3	25	1 478	1 504	1 507	443	1 950	18 000	9 704	58 948	73 752	91 752	388	39	61
100	7	20	827	847	854	312	1 166	42 000	5 015	36 890	41 905	63 905	251	45	98
150	3	18	1 883	1 901	1 904	515	2 419	18 000	1 875	90 250	92 125	110 125	104	48	58
250 OR MORE	4	34	3 202	3 236	3 240	856	4 096	24 000	9 763	132 643	142 406	166 406	287	41	51
TOTAL OR AVERAGE	54	158	10 688	10 857	10 911	3 113	14 024	324 000	51 157	458 749	515 906	839 906	324	43	77

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, 1991

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT		TEMPORARY					PERMANENT		TEMPORARY					
		TOTAL	PARTIAL						TOTAL	PARTIAL						
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND)																
1 - 4	-	-	1	-	1	-	1	-	-	-	-	235	-	-	235	235
5 - 9	-	-	3	-	3	-	5	-	-	-	-	99	-	-	33	33
10 - 19	-	-	3	-	3	-	3	-	-	-	-	50	-	-	17	17
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	7	-	7	-	9	-	-	-	-	384	-	-	55	55
SURFACE MINES STRIP																
1 - 4	-	-	4	-	4	-	5	-	-	-	-	227	-	-	57	57
5 - 9	-	-	6	-	6	-	12	-	-	-	-	101	-	-	17	17
10 - 19	-	1	12	-	13	-	15	-	-	-	-	336	-	-	28	28
20 - 34	-	-	12	-	12	-	14	-	-	-	-	465	-	-	39	39
50 - 99	-	-	27	-	27	-	33	-	-	-	-	1,270	-	-	47	47
150 - 249	-	-	61	-	62	-	79	-	-	-	-	2,449	-	-	39	39
TOTAL OR AVERAGE	-	-	111	-	112	-	17	-	-	-	-	4,500	-	-	27	400
CLIMB BANK																
1 - 4	-	-	3	-	3	-	4	-	-	-	-	17	-	-	6	6
5 - 9	-	-	2	-	2	-	2	-	-	-	-	34	-	-	17	17
10 - 19	-	-	2	-	2	-	4	-	-	-	-	229	-	-	114	114
20 - 34	-	-	4	-	4	-	7	-	-	-	-	4,515	-	-	4	903
35 - 49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	11	-	12	-	17	-	-	-	-	4,500	-	-	27	400
DREDGE																
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE SURFACE	-	-	3	-	3	-	4	-	-	-	-	17	-	-	6	6
1 - 4	-	-	6	-	6	-	7	-	-	-	-	261	-	-	44	44
5 - 9	-	-	8	-	8	-	16	-	-	-	-	330	-	-	41	42
10 - 19	-	1	17	-	18	-	22	-	-	-	-	4,851	-	-	22	285
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35 - 49	-	-	12	-	12	-	14	-	-	-	-	465	-	-	39	39
50 - 99	-	-	27	-	27	-	33	-	-	-	-	1,270	-	-	47	47
150 - 249	-	-	72	-	74	-	96	-	-	-	-	2,634	-	-	37	98
TOTAL OR AVERAGE	-	-	112	-	114	-	17	-	-	-	-	7,244	-	-	275	400

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, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFID			TOTAL FATAL AND NFID	NOI	TOTAL INJURIES	FATAL	NFID			TOTAL FATAL AND NFID	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFID
		PERMANENT		TEMPORARY					TOTAL	PARTIAL	TOTAL NFID				
		TOTAL	PARTIAL												
TOTAL OR AVERAGE, MINING															
1-4			4	4	4	1	5				252		63	63	
5-9			9	9	9	3	12				360		40	40	
10-19			11	12	12	7	19				430	50	35	36	
20-34		1	16	17	17	5	22				4,851	4,500	22	285	
35-49															
50-99			12	12	12	2	14				465		39	39	
150-249			27	27	27	6	33				1,270		47	47	
TOTAL OR AVERAGE		2	79	81	81	24	105			4,550	3,078	7,628	2,275	39	94
INDEPENDENT SHOPS															
5-9			3	3	3		3				442		147	147	
10-19			1	1	1	1	2				75		75	75	
20-34			1	1	1		1				54		54	54	
TOTAL OR AVERAGE			5	5	5	1	6				571		114	114	
PROCESSING PLANTS															
1-4			5	5	5	1	6				71		14	14	
5-9			9	10	10	7	17				349	150	22	35	
10-19		1	6	6	6	3	9			150	84		14	14	
20-34			7	7	7	2	9				141		20	20	
35-49			1	1	1	1	1				37		37	37	
50-99			44	44	44	11	55				1,867		42	42	
TOTAL OR AVERAGE		1	72	73	73	24	97			150	2,399	2,549	150	33	35
TOTAL OR AVERAGE, ALL MINES AND PLANTS															
1-4			9	9	9	2	11				323		36	36	
5-9			21	22	22	10	32				1,151	150	48	52	
10-19			18	19	19	11	30			150	589	50	30	31	
20-34			24	25	25	7	32			4,500	5,046	4,500	23	202	
35-49			1	1	1	1	1				37		37	37	
50-99			56	56	56	13	69				2,332		42	42	
150-249			27	27	27	6	33				1,270		47	47	
TOTAL OR AVERAGE		3	156	159	159	49	208			4,700	5,048	10,748	1,567	39	68
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, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI	
		PERMANENT	TEMPO RARY	TOTAL NFI					TOTAL NFI	TEMPO RARY	TOTAL NFI					
TOTAL	PARTIAL					TOTAL	PARTIAL									
GRAND TOTAL OR AVERAGE																
1 4																
5 9																
10 19																
20 34																
35 49																
50 99																
100 249																
TOTAL OR AVERAGE																

TABLE 36. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT BLINDINGLY LOCAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL INJURIES	NFI	TOTAL FATAL AND NFI	FATAL	NFI			TOTAL FATAL AND NFI	PEMDA NEW PARTIAL	FPMO BOAT	TOTAL FATAL AND NFI	
		PERMANENT		TOTAL NFI												
		TOTAL	PARTIAL													
									PERMANENT	PARTIAL						
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND)	1-4	1	1	2	2	4	2	12,000	50	800	850	10,500	30	50	80	10,580
	5-9	3	3	9	9	19	9	16,000	100	1,000	1,100	25,000	100	100	200	25,200
	10-19	4	4	12	12	23	12	24,000	800	8,000	8,800	74,000	140	140	280	74,600
	20-24	5	5	15	15	30	15	20,000	1,000	10,000	11,000	100,000	200	200	400	100,600
	25-49	6	6	18	18	36	18	18,000	1,200	12,000	13,200	100,000	200	200	400	100,600
	50-99	7	7	21	21	42	21	18,000	1,400	14,000	15,400	100,000	200	200	400	100,600
	100-249	8	8	24	24	48	24	20,000	1,600	16,000	17,600	100,000	200	200	400	100,600
	250 OR MORE	9	9	27	27	54	27	20,000	1,800	18,000	19,800	100,000	200	200	400	100,600
	TOTAL OR AVERAGE	43	43	86	86	172	86	200,000	10,000	100,000	110,000	1,000,000	200	200	400	1,000,600
	SURFACE MINES (EXCLUDES SURFACE AT UNDERGROUND)	1-4	1	1	3	3	6	3	5,000	50	500	550	10,000	100	100	200
5-9		5	5	15	15	30	15	10,000	100	1,000	1,100	20,000	200	200	400	20,400
10-19		10	10	30	30	60	30	15,000	150	1,500	1,650	30,000	300	300	600	30,600
20-24		15	15	45	45	90	45	15,000	200	2,000	2,200	40,000	400	400	800	40,800
25-49		20	20	60	60	120	60	15,000	250	2,500	2,750	40,000	400	400	800	40,800
50-99		30	30	90	90	180	90	15,000	300	3,000	3,300	40,000	400	400	800	40,800
100-249		40	40	120	120	240	120	15,000	350	3,500	3,850	40,000	400	400	800	40,800
250 OR MORE		50	50	150	150	300	150	15,000	400	4,000	4,400	40,000	400	400	800	40,800
TOTAL OR AVERAGE		111	111	333	333	666	111	100,000	2,000	20,000	22,000	200,000	400	400	800	200,800
HAZARDOUS WASTE (EXCLUDES SURFACE AT UNDERGROUND)		1-4	1	1	3	3	6	3	5,000	50	500	550	10,000	100	100	200
	5-9	5	5	15	15	30	15	10,000	100	1,000	1,100	20,000	200	200	400	20,400
	10-19	10	10	30	30	60	30	15,000	150	1,500	1,650	30,000	300	300	600	30,600
	20-24	15	15	45	45	90	45	15,000	200	2,000	2,200	40,000	400	400	800	40,800
	25-49	20	20	60	60	120	60	15,000	250	2,500	2,750	40,000	400	400	800	40,800
	50-99	30	30	90	90	180	90	15,000	300	3,000	3,300	40,000	400	400	800	40,800
	100-249	40	40	120	120	240	120	15,000	350	3,500	3,850	40,000	400	400	800	40,800
	250 OR MORE	50	50	150	150	300	150	15,000	400	4,000	4,400	40,000	400	400	800	40,800
	TOTAL OR AVERAGE	111	111	333	333	666	111	100,000	2,000	20,000	22,000	200,000	400	400	800	200,800

TABLE 58 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALLUINOUS COAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	NFID				LOST WORKDAYS				AVERAGE SEVERITY						
	FATAL	NFID			TOTAL FATAL AND NFID			NFID	FATAL	TOTAL FATAL AND NFID	PERMANENT PARTIAL	TEMPORARY	TOTAL NFID	TOTAL FATAL AND NFID	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFID					
		TOTAL	PERMANENT	PARTIAL														TOTAL FATAL AND NFID	TEMPORARY	TOTAL NFID		
																					TOTAL	PARTIAL
SURFACE TOTAL OR AVERAGE	1	3	33	36	36	46		150	1,387	1,537	1,537	1,537	50	42	43							
	2	4	51	51	51	77		450	2,259	2,259	2,259	112	44	44								
	3	3	147	151	152	203	6,000	200	4,176	4,626	4,626	67	28	70								
	4	3	228	231	234	342	18,000	200	7,954	7,954	7,954	94	34	111								
	5	3	119	119	119	180		275	4,961	4,961	4,961	94	42	42								
	6	4	246	246	246	340	18,000	340	6,628	6,628	6,628	25	25	27								
	7	1	156	163	166	250		75	4,327	7,177	7,177	486	28	28								
	8	1	207	207	208	308		100	10,148	10,223	10,223	75	49	49								
	9	1	133	133	133	342		4,650	5,981	5,981	5,981	31	31	31								
	10	22	1,380	1,402	1,409	2,088	42,000	4,650	47,256	51,306	51,306	211	34	57								
MINING TOTAL OR AVERAGE	1	4	53	57	59	73		200	2,196	2,306	2,306	50	41	44								
	2	3	118	121	124	169	12,000	500	4,383	4,483	4,483	129	37	70								
	3	10	610	620	630	767	18,000	1,290	24,077	25,317	25,317	447	45	131								
	4	15	1,115	1,130	1,136	1,447	90,000	9,275	48,993	58,196	58,196	364	46	73								
	5	35	1,778	1,793	1,793	2,006	18,000	3,635	36,013	39,648	39,648	309	40	53								
	6	50	1,219	1,242	1,242	1,622	42,000	5,875	36,200	41,155	41,155	246	45	100								
	7	10	804	824	824	1,120	18,000	4,865	38,890	43,755	43,755	104	48	58								
	8	18	1,853	1,871	1,874	2,377	24,000	1,675	132,643	142,406	142,406	287	41	51								
	9	34	3,236	3,240	3,240	4,036	300,000	41,878	421,256	469,434	469,434	303	43	48								
	10	138	9,871	9,971	9,971	12,672		6,000														
INDEPENDENT SHOPS TOTAL OR AVERAGE	1	1	4	4	4	4		50	186	186	186	50	45	45								
	2	1	11	11	12	9	6,000		469	519	519	117	39	104								
	3	1	1	1	1	4			3	3	3	3	3	59								
	4	1	20	20	20	33			918	918	918	46	46	46								
	5	3	3	3	3	5			88	88	88	29	29	29								
	6	7	7	7	7	24			126	126	126	18	18	18								
	7	1	50	51	52	99	6,000	50	2,218	2,268	2,268	50	44	159								
	8	1	26	26	26	40			1,165	1,165	1,165	45	45	45								
	9	1	48	48	48	69	5,000	100	1,506	1,506	1,506	100	45	45								
	10	1	107	107	108	165	12,000	200	2,851	2,851	2,851	100	45	45								
PROCESSING PLANTS TOTAL OR AVERAGE	1	4	26	26	26	40		100	1,165	1,165	1,165	45	45	45								
	2	4	48	48	48	69	5,000	200	1,506	1,506	1,506	100	45	45								
	3	4	107	107	108	165	12,000	200	2,851	2,851	2,851	100	45	45								
	4	4	175	175	179	232		250	5,342	5,342	5,342	67	33	34								
	5	6	160	164	164	217		3,829	11,261	11,261	11,261	150	38	39								
	6	1	204	204	204	251		150	6,241	6,241	6,241	150	38	39								
	7	1	16	16	16	22		90	90	90	90	30	30	30								
	8	1	3	3	3	5																
	9	1	731	747	750	1,005	18,000	4,529	27,131	31,660	31,660	293	37	37								
	10	3				1,005																

TABLE 52 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP
AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	PERMANENT			TOTAL NFI	TOTAL FATAL AND NFI	PERM AND PARTIAL	TEMP AND PARTIAL	TOTAL FATAL AND NFI	
		TOTAL	PARTIAL					TOTAL								
			TEMP HOUR	PERMANENT												
TOTAL OR AVERAGE AT MINES AND PLANTS	2	3	4	83	87	89	28	117	12 000	200	3 541	3 741	15 741	26	43	177
1	3	4	170	174	177	170	70	247	18 000	5 150	6 356	11 508	29 508	1 286	37	167
4	12	11	727	738	750	157	947	72 000	1 350	27 212	27 212	28 602	100 602	1 286	37	134
5	20	34	1 295	1 312	1 312	371	1 683	102 000	9 475	57 337	57 337	66 812	168 812	1 286	45	125
10	3	14	958	972	975	281	1 256	18 000	3 885	42 233	42 233	46 118	64 118	278	44	66
20	3	25	1 420	1 445	1 449	429	1 878	18 000	6 000	9 704	55 711	71 415	89 415	388	39	66
35	7	20	1 872	1 897	1 894	312	1 166	42 000	5 015	36 890	41 905	41 905	83 905	261	45	62
50	3	18	1 856	1 874	1 877	509	2 385	18 000	1 875	88 980	88 980	90 855	108 855	134	45	58
100	4	34	3 207	3 236	3 240	856	4 096	24 000	9 763	132 643	132 643	142 406	166 406	287	41	57
TOTAL OR AVERAGE	54	1	10 513	10 569	10 723	3 053	13 776	324 000	6 000	46 457	450 905	503 362	827 362	300	43	77
OFFICE	1		11	11	11	5	16				812	812	812		14	74
4	3		8	8	8	7	9				178	178	178		22	22
5	12		4	4	4	3	7				619	619	619		122	143
10	17		2	2	2	1	3				84	84	84		42	42
20	3		2	2	2	1	3				98	98	98		44	44
35	7		2	2	2	1	3				5	5	5		2	2
50	3		24	24	24	11	40				1 796	1 796	1 796		52	52
100	4															
TOTAL OR AVERAGE			24	24	24	11	40				1 796	1 796	1 796		52	52
GRAND TOTAL OR AVERAGE	2	3	34	98	100	33	133	12 000	200	4 252	4 252	4 252	16 553	26	46	166
1	3	4	178	182	185	71	256	18 000	5 150	6 536	11 686	29 686	69 686	1 286	37	160
4	12	11	731	742	754	200	954	72 000	1 350	27 831	29 221	101 221	296 221	1 286	38	135
5	20	34	1 297	1 297	1 314	372	1 686	102 000	9 475	57 471	57 471	66 946	168 946	1 286	45	126
10	3	14	960	974	977	281	1 258	18 000	3 885	42 331	42 331	46 216	64 216	278	44	67
20	3	25	1 422	1 448	1 451	430	1 881	18 000	6 000	9 704	55 716	71 430	89 430	388	39	66
35	7	20	1 872	1 897	1 894	312	1 166	42 000	5 015	36 890	41 905	41 905	83 905	261	45	62
50	3	18	1 856	1 874	1 877	509	2 385	18 000	1 875	88 980	88 980	90 855	108 855	134	45	58
100	4	34	3 207	3 236	3 240	856	4 096	24 000	9 763	132 643	132 643	142 406	166 406	287	41	57
TOTAL OR AVERAGE	54	1	10 542	10 698	10 752	3 064	13 816	324 000	6 000	46 457	452 701	505 156	829 156	300	43	77

TABLE 6 INJURY EXPERIENCE BY DEGREE, WORKLINE, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND STATE	NUMBER OF INJURIES										INCIDENT RATES						SEVERITY MEASURES				AVERAGE NUMBER OF WORKERS	EMPLOYED HOURS	NUMBER OF DAYS OFF WORK	ASSD (AVERAGE) WORK TON	PRODUCTION (SHORT TONS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	FATAL	NFI			TOTAL FATAL AND NFI	NFI INJURIES	FATAL	NFI	ALL FATAL AND NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI	AVERAGE NUMBER OF DAYS OFF WORK	AVERAGE NUMBER OF DAYS OFF WORK	AVERAGE NUMBER OF DAYS OFF WORK	AVERAGE NUMBER OF DAYS OFF WORK																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		PERMANENT	TOTAL	PARTIAL														FATAL	NFI	ALL FATAL AND NFI						ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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TABLE 6. INJURY EXPERIENCE BY DEGREE, WORK TIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENT RATES						SEVERITY MEASURES			AVERAGE NUMBER OF MONTHS	EMPLOYEE HOURS	NUMBER OF DEATHS	ASST. CLAIMED WORK TIME	PRODUCTION (SHORT TONS)
	FATAL	PERMANENT		TOTAL	FATAL AND NON-FATAL	NON-FATAL	FATAL	NON-FATAL	ALL FATAL AND NON-FATAL	ALL INJURIES	FATAL	NON-FATAL	ALL FATAL AND NON-FATAL							
		TOTAL	PARTIAL																	
TOTAL OF AVERAGE U.S.	1	11	446	461	461	166	527	174	10	11	11	10	10	10	10	10	10	10	10	
ALABAMA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
ARIZONA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
ARKANSAS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
CALIFORNIA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
COLORED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
CONNECTICUT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
DELAWARE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
FLORIDA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
GEORGIA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
ILLINOIS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
INDIANA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KENTUCKY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KANSAS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
MARYLAND	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
MASSACHUSETTS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
MICHIGAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
MINNESOTA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
MISSISSIPPI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
MONTECAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
NEBRASKA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
NEVADA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
NEW HAMPSHIRE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
NEW JERSEY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
NEW YORK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
NORTH CAROLINA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
NORTH DAKOTA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
OHIO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
OKLAHOMA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
OREGON	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
PENNSYLVANIA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
RHODE ISLAND	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SOUTH CAROLINA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SOUTH DAKOTA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
TENNESSEE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
TEXAS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
UTAH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
VIRGINIA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
WEST VIRGINIA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
WISCONSIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
WYOMING	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
TOTAL OF AVERAGE U.S.	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
ALABAMA	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
ARIZONA	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
ARKANSAS	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
CALIFORNIA	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
COLORED	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
CONNECTICUT	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
DELAWARE	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
FLORIDA	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
GEORGIA	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
ILLINOIS	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
INDIANA	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
KENTUCKY	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
KANSAS	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
MARYLAND	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
MASSACHUSETTS	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
MICHIGAN	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
MINNESOTA	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
MISSISSIPPI	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
MONTECAL	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
NEBRASKA	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
NEVADA	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
NEW HAMPSHIRE	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
NEW JERSEY	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
NEW YORK	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
NORTH CAROLINA	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
NORTH DAKOTA	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
OHIO	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
OKLAHOMA	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
OREGON	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
PENNSYLVANIA	43	115	5,239	5,458	5,458	2,012	12,542	10,530	9	10	10	10	10	10	10	10	10	10	10	
RHODE ISLAND	43	115	5,239	5,																

TABLE 6. INJURY EXPERIENCE BY DEGREE, WORK TIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES										INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)
	FATAL	NFI				TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI								
		PERMANENT	TEMPORARY	TOTAL	TOTAL									FATAL	NFI							
																TOTAL	PARTIAL					
SURETY MINES STRIP	1		2	70	72	73	06	4 26	4 26	4 26	06	116	471	1 774	3 378 327	83		10 190 712				
ALABAMA																		1 483 054				
ALASKA																		13 370 911				
ARIZONA																		45 051				
ARKANSAS																		50 810				
CALIFORNIA																		8 238 495				
COLORADO																		15 860 522				
ILLINOIS			1	95	96	96		4 98	4 98	4 98		224	224	224	3 843 636	17		30 132 044				
INDIANA			1	114	115	115		3 43	3 43	3 43		269	269	269	8 713 491	46		365 937				
IOWA				4	4	4		10 45	10 45	10 45		133	133	133	134 072	3		415 947				
KANSAS								4 45	4 45	4 45		165	165	165	14 400 757	3		5 731 552				
KENTUCKY	2	5	305	2	310	312	03	4 30	4 30	4 30	03	137	137	137	2 167	213		3 149 581				
LOUISIANA				2	2	2		2 15	2 15	2 15		7	7	7	79	2		3 170 200				
MARYLAND				29	29	29		2 86	2 86	2 86		52	52	52	216	25		36 016 270				
MISSOURI				19	19	19		2 09	2 09	2 09		37	37	37	489 589	10		27 486 332				
MONTANA			1	1	1	1		1 05	1 05	1 05		46	46	46	1 815 780	7		27 486 332				
NEW MEXICO	2	2	2	11	13	13	22	2 09	2 09	2 09	22	37	37	37	2 534	135		17 680 462				
NORTH CAROLINA				14	14	14		6 27	6 27	6 27		97	97	97	1 749 677	8		27 486 332				
OHIO				25	25	25		10 56	10 56	10 56		170	170	170	5 797 877	27		1 456 520				
OKLAHOMA																		1 825 940				
PENNSYLVANIA			1	61	62	62		3 33	3 33	3 33		417	417	417	8 034 101	34		27 476 400				
ANTHRAHITE BITUMINOUS ALL COAL	1	4	130	130	135	135	03	4 74	4 74	4 74	03	136	136	136	8 034 101	42		22 345 340				
UTAH			5	10	10	10		4 91	4 91	4 91		49	49	49	2 331	20		1 133 247				
TEXAS				10	10	10		4 91	4 91	4 91		49	49	49	7 355 913	13		53 131 586				
VERMONT			1	24	24	24		3 23	3 23	3 23		75	75	75	2 411 798	75		7 920 121				
WASHINGTON				17	17	17		5 37	5 37	5 37		248	248	248	1 051 610	245		5 743 404				
WEST VIRGINIA	1	2	2	243	245	245	02	5 37	5 37	5 37	02	248	248	248	9 867 809	245		35 277 779				
WYOMING				43	43	43		1 12	1 12	1 12		40	40	40	7 694 622	28		182 219 147				
TOTAL OR AVERAGE ANTHRAHITE BITUMINOUS ALL COAL	7	20	21	1 343	1 363	1 363	02	10 56	10 56	10 56	02	417	417	417	81 126 100	1 442		1 825 940				
				1 404	1 425	1 425	02	3 43	3 43	3 43	02	101	101	101	83 102 814	1 515		574 626 924				
																		516 462 864				

TABLE 6 INJURY EXPERIENCE BY DEGREE WORKING AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL TOTAL OPERATIONS IN THE UNITED STATES 1987 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENT RATES				SEVERITY MEASURES			SURFACE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)	
	FATAL	NON-FATAL					FATAL	NON-FATAL	ALL FATAL AND NON-FATAL	ALL INJURY RATES	FATAL	NON-FATAL	ALL FATAL AND NON-FATAL						
		TOTAL	PERMANENT	TOTAL	TOTAL	TOTAL													
																			TOTAL
TOTAL OF SURFACE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
ALABAMA																			
ALASKA																			
ARIZONA																			
ARKANSAS																			
CALIFORNIA																			
COLORADO																			
CONNECTICUT																			
DELAWARE																			
FLORIDA																			
GEORGIA																			
ILLINOIS																			
INDIANA																			
IOWA																			
KANSAS																			
KENTUCKY																			
LOUISIANA																			
MAINE																			
MARYLAND																			
MASSACHUSETTS																			
MICHIGAN																			
MINNESOTA																			
MISSOURI																			
MONTECALA																			
NEBRASKA																			
NEVADA																			
NEW HAMPSHIRE																			
NEW JERSEY																			
NEW MEXICO																			
NEW YORK																			
NORTH CAROLINA																			
OHIO																			
OKLAHOMA																			
PENNSYLVANIA																			
RHODE ISLAND																			
SOUTH CAROLINA																			
SOUTH DAKOTA																			
TENNESSEE																			
TEXAS																			
UTAH																			
VIRGINIA																			
WASHINGTON																			
WEST VIRGINIA																			
WYOMING																			
TOTAL OF SURFACE																			
ALABAMA																			
ALASKA																			
ARIZONA																			
ARKANSAS																			
CALIFORNIA																			
COLORADO																			
CONNECTICUT																			
DELAWARE																			
FLORIDA																			
GEORGIA																			
ILLINOIS																			
INDIANA																			
IOWA																			
KANSAS																			
KENTUCKY																			
LOUISIANA																			
MAINE																			
MARYLAND																			
MASSACHUSETTS																			
MICHIGAN																			
MINNESOTA																			
MISSOURI																			
MONTECALA																			
NEBRASKA																			
NEVADA																			
NEW HAMPSHIRE																			
NEW JERSEY																			
NEW MEXICO																			
NEW YORK																			
NORTH CAROLINA																			
OHIO																			
OKLAHOMA																			
PENNSYLVANIA																			
RHODE ISLAND																			
SOUTH CAROLINA																			
SOUTH DAKOTA																			
TENNESSEE																			
TEXAS																			
UTAH																			
VIRGINIA																			
WASHINGTON																			
WEST VIRGINIA																			
WYOMING																			

TABLE 6 INJURY EXPERIENCE BY OCCUPATION, WORKING AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYED HOURS	NUMBER OF OFFERED HOURS	ASSOCIATED WORKING HOURS (SHORT TONS)
	FATAL	NON-FATAL		TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	FATAL	NON-FATAL	ALL FATAL AND NON-FATAL	FATAL INJURIES	ALL INJURIES	FATAL	NON-FATAL	ALL FATAL AND NON-FATAL						
		PERMANENT	TEMPORARY																
PROCESSING PLANTS																			
ALABAMA																			
ALASKA																			
ARIZONA																			
CALIFORNIA																			
COLORADO																			
ILLINOIS																			
INDIANA																			
KANSAS																			
KENTUCKY																			
MARYLAND																			
MISSOURI																			
MONTANA																			
NEVADA																			
NEW MEXICO																			
NEW YORK																			
NORTH CAROLINA																			
OHIO																			
OKLAHOMA																			
PENNSYLVANIA																			
RHODE ISLAND																			
SOUTH CAROLINA																			
TENNESSEE																			
TEXAS																			
UTAH																			
VIRGINIA																			
WASHINGTON																			
WEST VIRGINIA																			
WYOMING																			
TOTAL ON AVERAGE																			
AMERICAN																			
BRITISH																			
ALL COAL																			

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)	
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	FATAL	NFIL	ALL FATAL AND NFIL	ALL INJURIES	FATAL	NFIL	ALL FATAL AND NFIL						
		PERMANENT	TEMPORARY																
			TOTAL	PARTIAL															TOTAL
TOTAL OR AVERAGE	2			560	574	576	204	780	9.01	3.20	12.24	392	581	6,460	12,740,431	110	23	26,964,653	
ALL MINES AND PLANTS				3	3	4		4	2.85	3.80	3.80	4	4	100	210,572	1	1	1,483,054	
ALABAMA		14		9	9	11		20	92	1.13	2.05	35	35	893	1,946,876	3		13,370,911	
ALASKA																		45,092	
ARIZONA				2	2	2		2	9.06	9.06	9.06	376	376	35	44,143	3		50,810	
ARKANSAS																		17,353,423	
CALIFORNIA	1	2		129	131	132	74	206	7.40	4.18	11.64	339	649	1,832	3,540,508	33	21	60,433,093	
COLORADO		13		1,384	1,397	1,399	205	1,604	13.47	1.98	15.47	489	604	9,517	20,717,371	64	59	31,823,958	
ILLINOIS	2			150	152	152	78	230	3.73	3.73	10.45	107	269	3,858	8,156,429	64	26	365,937	
INDIANA				7	7	7		14	10.45	10.45	20.89	269	269	74	134,012	3		415,947	
IOWA				4	5	5		6	4.67	4.67	5.61	205	205	112	214,032	3	1	155,658,020	
KANSAS	17	1	36	2,373	2,410	2,427	575	3,002	8.95	9.01	2.14	475	854	28,377	53,859,703	1,137	498	3,149,561	
KENTUCKY				2	2	2		7	2.15	2.15	7.52	8	8	79	186,071	2		3,697,828	
LOUISIANA				63	63	63	20	83	10.51	3.34	13.84	295	295	601	1,199,127	32	3	2,285,752	
MARYLAND				33	33	33	9	42	6.68	6.68	8.50	69	69	580	988,009	10	3	36,978,666	
MISSOURI				22	22	24	14	38	2.33	2.54	1.48	98	1,370	958	1,887,463	8	1	22,024,950	
MONTANA	2			23	24	24	45	69	1.46	2.74	4.21	44	44	1,542	3,281,615	9	3	29,298,978	
NEBRASKA																		30,653,948	
NEW MEXICO																		1,876,626	
NEW YORK				17	19	19	14	33	2.16	2.16	3.76	61	61	911	1,756,549	1	2	3,404,122	
NORTH DAKOTA		2		267	270	271	146	417	4.89	4.91	7.56	109	302	5,276	11,033,817	192	48	63,430,886	
OHIO	1	3		29	29	29	29	58	6.77	6.77	13.54	174	174	419	856,655	28	3	66,835,008	
OKLAHOMA																		4,211,720	
PENNSYLVANIA				156	159	159	49	208	9.49	2.93	12.42	642	642	2,075	3,350,252	262	67	53,744,680	
ANTHRACITE	1	23		1,452	1,475	1,476	518	1,994	11.79	11.80	4.14	634	682	12,402	25,025,985	569	141	21,716,642	
BITUMINOUS	1	26		1,608	1,634	1,635	567	2,202	11.52	4.00	15.54	635	677	14,477	28,376,237	771	208	41,691,453	
ALL COAL		2		102	104	104	27	131	8.37	2.17	10.55	306	306	1,435	2,484,379	101	50	5,143,409	
TENNESSEE				65	65	65	70	135	1.77	1.90	3.67	49	49	3,618	7,364,821	19	1	164,956,879	
TEXAS				152	158	158	88	246	7.22	4.02	11.24	379	379	2,148	4,376,388	26	23	189,884,841	
UTAH	9	9		930	939	948	261	1,209	9.44	9.53	2.62	399	942	10,825	19,896,102	407	221	3,404,122	
VIRGINIA				18	18	18	8	26	3.08	1.37	4.45	68	68	588	1,167,441	2	2	982,711,947	
WASHINGTON				2,657	2,688	2,717	555	3,272	9.76	9.82	2.01	498	910	28,638	55,313,415	918	407	986,116,069	
WEST VIRGINIA	19	41		60	60	60	88	148	1.37	1.37	2.01	52	52	4,259	8,750,452	34	11		
WYOMING																			
TOTAL OR AVERAGE																			
ANTHRACITE		3		156	159	159	49	208	9.49	2.93	12.42	642	642	2,075	3,350,252	262	67		
BITUMINOUS	54	155		10,513	10,669	10,723	3,053	13,776	8.63	2.47	11.15	262	669	125,575	247,182,632	3,735	1,542		
ALL COAL	54	158		10,669	10,828	10,882	3,102	13,984	8.69	2.48	11.16	299	689	127,650	250,532,864	3,997	1,609		

TABLE 6 - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (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																					
ALABAMA				1	1	1		1		40	40		40		14	14	248	495,955	1	51	
ALASKA																	13	29,763	1	1	
ARIZONA																	22	46,054		3	
ARKANSAS																	1	2,400		1	
CALIFORNIA																	18	21,118		3	
COLORADO																	338	456,688	1	28	
ILLINOIS				4	4	4	1	5	1	10	1	10	28	1	38	29	29	354	725,083	2	57
INDIANA																	157	254,630		40	
IOWA																	7	12,436		2	
KANSAS																	7	12,233		2	
KENTUCKY				10	10	10	1	11		79	79	08	87		24	24	1,477	2,542,496	6	438	
LOUISIANA																	35	67,536		2	
MARYLAND																	33	51,931		10	
MISSOURI																	32	51,727		6	
MONTANA																	135	262,701		6	
NEW MEXICO																	258	571,055	1	7	
NEW YORK																	1	520		1	
NORTH DAKOTA																	56	102,749		8	
OHIO																	439	859,119	1	92	
OKLAHOMA																	46	77,534		17	
PENNSYLVANIA																					
ANTHRACITE																		200,885	1	52	
BITUMINOUS				3	3	3	2	5		55	55	37	92		27	27	603	1,088,018	4	176	
ALL COAL				3	3	3	2	5		47	47	31	78		23	23	729	1,288,903	5	228	
TENNESSEE																	52	87,119	2	25	
TEXAS																	291	530,362	1	18	
UTAH				1	1	1		1		50	50		50		23	23	199	397,989		19	
VIRGINIA							1	1				69	69				190	288,704	1	60	
WASHINGTON																	65	138,557		2	
WEST VIRGINIA				9	9	9	5	14		78	78	43	1	21		96	96	1,319	2,316,847	5	323
WYOMING				1	1	1	1	2		22	22	22	44		12	12	463	916,607	1	28	
TOTAL OR AVERAGE																					
ANTHRACITE																	126	200,885	1	52	
BITUMINOUS				29	29	29	11	40		47	47	18	64		29	29	6,859	12,407,931	27	1,426	
ALL COAL				29	29	29	11	40		46	46	17	63		28	28	6,985	12,608,816	28	1,478	

TABLE 6 INJURY EXPERIENCE BY DEGREE, WORK TIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES										INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF HOURS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)				
	FATAL	NFID					TOTAL FATAL AND NFID	TOTAL INJURIES	FATAL	NFID	ALL FATAL AND NFID	ALL INJURIES	FATAL	NFID	ALL FATAL AND NFID											
		PERMANENT	TEMPORARY	TOTAL FATAL AND NFID	TOTAL INJURIES	FATAL										NFID	ALL FATAL AND NFID						ALL INJURIES	FATAL	NFID	ALL FATAL AND NFID
GRAND TOTAL OR AVERAGE	2	14	561	575	577	204	781	03	8 59	8 72	3 08	11 80	559	378	3	34	3	111	13 236 385	74	26 964 653					
ALABAMA			3	3	3	1	4		2 50	2 50	8 33	3 33	3	3				2	240 335	2	1 483 094					
ALASKA			9	9	9	11	20		2 50	2 50	1 10	2 01	34					3	1 982 930	3	13 370 911					
ARIZONA																		8	28 146	1	45 042					
ARKANSAS			2	2	2		2		6 13	6 13	6 13	6 13	254					3	65 267	3	50 810					
CALIFORNIA	1	2	129	131	132	74	206	05	6 35	6 30	3 70	10 31	275	300				34	3 997 196	49	17 353 423					
COLORADO	2	13	1 388	1 401	1 403	206	1 609	02	13 06	13 07	1 92	14 99	565	112				66	21 462 454	115	60 433 093					
ILLINOIS			156	152	152	78	230		3 61	3 61	1 85	5 47	104					64	8 413 058	66	31 823 958					
INDIANA			7	7	7	1	14		9 56	9 56	9 56	19 12	245					3	146 448	2	365 937					
IOWA			4	5	5	1	6		4 42	4 42	8 88	5 30	194					3	275 253	3	415 947					
KANSAS	7	1	2 383	2 420	2 437	576	3 013	06	8 50	8 64	2 04	10 66	816	362				1 143	56 402 199	936	155 658 020					
KENTUCKY		36	2	2	2	5	7		1 56	1 56	3 94	5 52	6					2	253 607	2	3 149 581					
LOUISIANA			63	63	63	20	83		10 07	10 07	3 20	13 27	282					32	1 251 058	13	3 697 828					
MARYLAND			33	33	33	9	42		6 35	6 35	1 73	8 08	65					10	1 038 736	9	2 285 752					
MISSOURI			22	22	24	14	38	19	2 05	2 23	1 30	3 53	86	1 116				8	2 150 164	7	36 978 866					
MONTANA	2	1	23	24	24	45	69		1 25	1 25	2 34	3 58	38					10	3 852 670	10	22 024 950					
NEW MEXICO																		1	1 040	1						
NEW YORK			17	19	19	14	33		2 04	2 04	1 51	3 55	58					8	1 850 298	8	29 298 978					
NORTH CAROLINA	1	3	267	270	271	146	417	02	4 54	4 56	2 46	7 01	281	101				193	11 892 936	140	30 653 948					
OKLAHOMA			29	29	29	29	58		6 21	6 21	6 21	12 42	159					28	934 189	20	1 876 626					
PENNSYLVANIA																										
PENNSYLVANIA			156	159	159	49	208		8 95	8 95	2 76	11 71	605					263	3 551 137	119	3 404 122					
PENNSYLVANIA	1	23	1 455	1 478	1 479	520	1 999	01	11 32	11 33	3 98	15 31	655	46				513	26 114 003	317	63 430 886					
PENNSYLVANIA	1	26	1 611	1 637	1 638	569	2 207	01	11 04	11 04	3 84	14 88	649	40				776	29 665 140	436	66 835 008					
PENNSYLVANIA			102	104	104	27	131		8 09	8 09	2 10	10 19	295					163	2 571 489	75	4 211 730					
TENNESSEE			65	65	65	70	135		1 63	1 63	3 47	3 47	46					20	7 895 183	19	53 744 660					
TEXAS			153	159	159	88	247		6 66	6 66	3 69	10 35	350					76	4 774 377	42	21 716 642					
UTAH	9	6	930	939	948	267	1 210	08	9 30	9 39	2 50	11 99	978	535				408	20 186 806	281	41 691 453					
VIRGINIA			18	18	18	8	26		2 76	2 76	1 23	3 98	60					2	1 305 998	4	5 143 409					
WASHINGTON			2 666	2 707	2 726	560	3 286	07	9 39	9 46	1 94	11 40	482	396				923	57 630 262	724	164 956 879					
WEST VIRGINIA	19	41	61	61	61	89	150		1 1	1 26	1 64	3 10	48					35	9 667 059	35	189 884 841					
WYOMING																										
TOTAL OR AVERAGE	54	3	156	159	159	49	208		8 95	8 95	2 76	11 71	605	605				263	3 551 137	119	3 404 122					
ANTHRACITE	1	155	10 547	10 696	10 757	3 064	13 816	04	8 24	8 28	2 36	10 64	386	250				3 752	259 590 563	2 968	982 711 947					
BITUMINOUS	54	156	10 696	10 857	10 911	3 113	14 024	04	8 25	8 29	2 37	10 66	392	246				4 025	263 141 700	3 087	986 116 069					

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, 1991

WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI		TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI	
		TOTAL	PARTIAL	TEMPORARY										
								TOTAL	PARTIAL					
														TOTAL
UNDERGROUND MINES														
ALABAMA	1	11		422	434	595	6,000	4,740		16,476	27,216	431	39	63
COLORADO	1	2		111	114	164	6,000	4,356		4,356	4,881	262	39	95
ILLINOIS	2	8		1,144	1,146	1,287	12,000	1,125		38,000	51,125	141	33	45
INDIANA				15	15	21				301	301		20	20
KENTUCKY	15	23		1,754	1,793	2,164	90,000	13,240	6,000	79,967	188,967	576	45	105
MARYLAND				50	50	68				1,397	1,397		28	28
NEW MEXICO				6	6	7				112	112		19	19
OHIO	1	2		158	161	237	6,000	100		6,953	13,053	50	44	81
OKLAHOMA				4	4	5				67	67		17	17
PENNSYLVANIA				7	7	9				384	384		55	55
ANTHRACITE		14		1,147	1,161	1,552		1,950		63,257	65,207	139	55	55
BITUMINOUS		14		1,154	1,168	1,561		1,950		63,641	65,591	139	55	56
ALL COAL		2		75	77	91		3,960		2,819	3,119	150	38	41
TENNESSEE		6		134	140	211		3,960		3,905	7,865	660	29	46
UTAH		7		766	773	962	36,000	4,050		29,961	70,011	579	39	90
VIRGINIA	6			2,011	2,042	2,430	78,000	5,113		107,009	185,122	197	50	50
WEST VIRGINIA	13	31		12	12	23				628	628		52	52
WYOMING														
TOTAL OR AVERAGE				7	7	9				384	384		55	55
ANTHRACITE	39	106		7,801	7,947	9,817	234,000	36,103	6,000	348,908	625,011	341	45	79
BITUMINOUS	39	106		7,808	7,954	9,826	234,000	36,103	6,000	349,292	625,395	341	45	79
ALL COAL														
SURFACE AT UNDERGROUND														
ALABAMA				27	27	32				544	544		20	20
COLORADO				7	7	14				140	140		20	20
ILLINOIS		4		99	103	120		450		4,893	5,343	112	49	52
INDIANA				3	3	6				127	127		42	42
KENTUCKY		3		113	116	151		225		5,113	5,338	75	45	46
MARYLAND				2	2	3				11	11		6	6
OHIO				14	14	26				939	939		67	67
PENNSYLVANIA														
ANTHRACITE		1		68	69	102		100		3,972	4,072	100	58	59
BITUMINOUS		1		68	69	102		100		3,972	4,072	100	58	59
ALL COAL				8	8	13				159	159		20	20
TENNESSEE				15	15	24				401	401		27	27
UTAH				64	66	93				2,158	2,158		34	34
VIRGINIA	2			129	133	176	12,000	350		6,929	19,279	175	54	54
WEST VIRGINIA	2	2		2	2	7	12,000			6	6		3	3
WYOMING														
TOTAL OR AVERAGE				551	561	767	24,000	1,125		25,392	50,517	112	46	46
ANTHRACITE	4	10		551	561	767	24,000	1,125		25,392	50,517	112	46	46
BITUMINOUS	4	10		551	561	767	24,000	1,125		25,392	50,517	112	46	46
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, 1991 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	LOST WORKDAYS				AVERAGE SEVERITY		
	FATAL	NFI			FATAL			NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		TOTAL	PERMANENT	PARTIAL				TOTAL	TEMPORARY	TOTAL				
SURFACE MINES	1	2	70	73	84	11	5,000	275	1,688	1,963	7,963	138	24	169
ALABAMA			2	2	3	1			3	3	3		2	2
ALASKA			9	9	20	11			342	342	342		38	38
ARIZONA			5	5	18	13			276	276	276		55	55
COLORADO			95	96	122	26		50	4,310	4,310	4,310	50	45	45
ILLINOIS			114	115	175	60		75	3,122	3,122	3,122		27	27
INDIANA			7	7	14	7			180	180	180		26	26
IOWA			4	4	5	1			119	119	119		30	30
KANSAS			305	312	408	97	12,000	350	11,594	11,904	23,904	70	38	77
KENTUCKY	2	5	2	2	7	5			7	7	7		4	4
LOUISIANA			7	7	7	7			335	335	335		48	48
MARYLAND			29	29	35	6			230	230	230		8	8
MISSOURI			19	19	37	14	12,000	50	884	884	12,884		47	47
MONTANA			15	16	53	31			551	551	601	50	37	38
NEW MEXICO			17	19	33	14		150	387	537	601		23	23
NORTH DAKOTA			74	75	111	36		50	2,210	2,260	2,260		30	30
OHIO			25	25	28	28			678	678	678		27	27
OKLAHOMA			61	62	53	17			2,399	2,449	2,449		39	40
PENNSYLVANIA			122	127	79	65		50	450	506	506	50	41	41
ANTHRACITE	1	4	183	189	271	82	6,000	500	7,455	11,506	11,506		41	41
BITUMINOUS			10	10	16	6			237	237	237		24	24
ALL COAL			64	64	133	69			1,816	1,816	1,816		28	28
TENNESSEE			26	26	11	11		50	793	793	793		30	30
TEXAS			17	17	24	7			393	393	393		23	23
VIRGINIA			263	265	331	65	6,000	3,050	9,300	12,250	18,250	1,525	35	35
WASHINGTON	1	2	43	43	111	68			1,532	1,532	1,532		36	36
WEST VIRGINIA			61	62	79	17			2,399	2,449	2,449		39	40
WYOMING			1363	1370	197	82			45,803	45,803	95,353	228	34	34
TOTAL OR AVERAGE			1,404	1,432	2,107	675			48,202	52,802	94,802	219	34	34
ANTHRACITE	7	20	1,363	1,370	2,028	658	42,000	4,550	45,803	50,353	95,353	228	34	34
BITUMINOUS	7	21	1,404	1,432	2,107	675	42,000	4,600	48,202	52,802	94,802	219	34	34
ALL COAL			8	8	14	6			186	236	236	50	23	23
UTAH			9	9	11	2		50	186	236	236		1	1
KENTUCKY			1	1	2	1			1	1	1		1	1
MISSOURI			7	7	11	4			215	215	215		31	31
OHIO			1	1	1	1								
PENNSYLVANIA			1	1	1	1								
ANTHRACITE			1	1	1	1								
BITUMINOUS			8	8	14	6			472	472	472		59	59
ALL COAL			8	8	14	6								
VIRGINIA			24	25	40	15		50	874	924	924	50	36	36
WEST VIRGINIA			24	25	40	15		50	874	924	924	50	36	36
TOTAL OR AVERAGE			24	25	40	15		50	874	924	924	50	36	36
ANTHRACITE			1	1	1	1								
BITUMINOUS			1	1	1	1								
ALL COAL														

TABLE 7. NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY		
	FATAL	NEW			TOTAL INJURIES	FATAL	NEW			TOTAL FATAL AND NEW	PERM. NEW PARTIAL	TEMP. RURY	TOTAL FATAL AND NEW
		PERMANENT	TEMP. RURY	TOTAL NEW			TOTAL FATAL AND NEW						
CUM BANK													
PENNSYLVANIA													
ANTHRACITE													
BITUMINOUS													
ALL COAL													
WEST VIRGINIA													
TOTAL OR AVERAGE													
ANTHRACITE													
BITUMINOUS													
ALL COAL													
DEWECE													
ILLINOIS													
WEST VIRGINIA													
TOTAL OR AVERAGE													
ANTHRACITE													
BITUMINOUS													
ALL COAL													
TOTAL OR AVERAGE SURFACE													
ALABAMA													
ALASKA													
ARIZONA													
COLORADO													
ILLINOIS													
INDIANA													
IOWA													
KANSAS													
KENTUCKY													
LOUISIANA													
MISSOURI													
MONTANA													
NEW MEXICO													
NORTH DAKOTA													
OHIO													
OKLAHOMA													
PENNSYLVANIA													
ANTHRACITE													
BITUMINOUS													
ALL COAL													
TENNESSEE													
TEXAS													
VIRGINIA													
WASHINGTON													
WEST VIRGINIA													
WYOMING													
TOTAL OR AVERAGE													
ANTHRACITE													
BITUMINOUS													
ALL COAL													

TABLE 7 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY							
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI			
		TOTAL	PARTIAL	TEMPORARY					TOTAL	PARTIAL	TEMPORARY							
																TOTAL	PARTIAL	TEMPORARY
TOTAL OR AVERAGE MINING																		
ALABAMA	2	519	13	532	534	177	1	12,000	5,015	18,708	35,723	386	36	57				
ALASKA		2		2	2	1				342	342		38					
ARIZONA		9		9	9	11				4,772	4,772		30					
COLORADO	1	123	2	125	126	70		6,000	525	47,470	61,095	262	50					
ILLINOIS	2	1,331	13	1,344	1,346	187		12,000	1,625	3,556	3,625	75	27					
INDIANA		132	1	133	133	69				180	180		26					
IOWA		7		7	7	14				119	119		30					
KANSAS		4		4	4	5				96	96		30					
KENTUCKY	17	2,180	32	2,212	2,230	505		102,000	13,865	116,385	218,385	433	44					
LOUISIANA		2		2	2	7				1,743	1,743		4					
MARYLAND		56		56	56	19				231	231		8					
MISSOURI		30		30	30	37				884	884		47					
MONTANA	2	19	1	20	21	14		12,000	50	537	713	50	614					
NEBRASKA		21		21	22	38				10,317	10,317		32					
NEW MEXICO		17		17	19	14		6,000	150	537	713		23					
NORTH CAROLINA		253	3	256	257	128				745	745		64					
NORTH DAKOTA	1	28		28	29	58							26					
OHIO		79		79	81	24			4,350	3,078	7,628		94					
OKLAHOMA		1,347	20	1,367	1,368	492		6,000	2,550	72,490	81,040	2,215	59					
PENNSYLVANIA		1,426	22	1,448	1,449	516		6,000	7,100	75,568	82,668	323	61					
ANTHRAHITE	1	93		93	95	25			300	3,215	3,215	150	53					
BITUMINOUS		64		64	64	69				1,816	1,816		37					
ALL COAL		149	6	155	155	80		48,000	3,960	4,306	8,266	660	28					
TEXAS	8	855	8	863	871	272			4,100	32,862	36,962	512	29					
UTAH		17		17	17	24			9,513	117,667	127,180	272	98					
VIRGINIA		2,413	35	2,448	2,454	490		96,000		2,166	2,166		23					
WASHINGTON	16	57		57	57	84							91					
WEST VIRGINIA						141							38					
WYOMING																		
TOTAL OR AVERAGE																		
ANTHRAHITE	50	79	2	81	81	24		300,000	4,350	3,078	7,628	2,215	39					
BITUMINOUS	50	9,732	138	9,871	9,871	12,672			41,878	421,556	469,434	303	43					
ALL COAL		9,811	140	9,952	10,002	12,777		300,000	46,428	424,634	477,062	332	43					
INDEPENDENT SHOPS																		
ALABAMA		7		7	7	17				126	126		18					
ILLINOIS		11		11	11	3				381	381		35					
INDIANA		1		1	1	1				66	66		66					
KENTUCKY		2		2	2	3				71	71		36					
LOUISIANA		1		1	1	1				21	21		21					
MARYLAND		5		5	5	6				571	571		114					
MISSOURI		5		5	5	7			50	571	571	50	114					
MONTANA	1	7	1	8	8	19		6,000		482	492	50	68					
NEBRASKA		21		21	22	34				1,061	1,061		70					
NEW MEXICO													51					
NORTH CAROLINA													114					
NORTH DAKOTA													114					
OHIO													68					
PENNSYLVANIA													321					
ANTHRAHITE													114					
BITUMINOUS													159					
ALL COAL													155					
TOTAL OR AVERAGE																		
ANTHRAHITE	1	5	1	5	5	6		6,000	50	571	571	50	114					
BITUMINOUS	1	50	1	51	52	99		6,000	50	2,218	2,268	50	159					
ALL COAL		55	1	56	57	105		6,000	50	2,789	2,839	50	155					

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, 1991 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	MFD			TOTAL FATAL AND MFD	MFI	TOTAL INJURIES	FATAL	MFD			TOTAL FATAL AND MFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND MFI
		PERMANENT		TOTAL					TEMPORARY	TOTAL MFD					
		TOTAL	PARTIAL												
PROCESSING PLANTS															
ALASKA		34	1	35	10	45		450		1 136	1 136	450		20	32
ALASKA		1	1	2	1	2				83	83			42	42
CALIFORNIA		2	2	4	4	8				106	106			33	33
COLOADO		6	6	12	15	27				1 202	1 202			24	24
ILLINOIS		42	17	59	9	68		50		690	690	50		38	38
INDIANA		1	1	2	1	3		100		11 446	11 446	100		100	100
KANSAS		191	4	195	67	262		3 309						43	43
KENTUCKY		4	4	8	1	9				23	23			6	6
MARYLAND		3	3	6	2	8				106	106			36	36
MISSOURI		3	3	6	7	10				45	45			15	15
MONTANA		2	2	4	7	9				10	10			5	5
NEV. MT. CO		13	13	26	18	31				199	199			15	15
OHIO		72	73	145	24	169		150		2 549	2 549	150		33	33
PENNSYLVANIA		3	3	6	25	31		270		4 317	4 317	73		35	35
ANTHRAHITE		4	4	8	49	53		370		6 866	6 866	92		37	37
ILLUMINOUS		1	1	2	2	3				264	264			32	32
ALL COAL		1	1	2	1	2				1	1			1	1
TEXAS		3	3	6	8	11				35	35			12	12
UTAH	1	68	68	136	28	164	6,000			2 187	2 187			32	32
VIRGINIA		1	1	2	1	2				2	2			12	12
WASHINGTON	2	223	229	452	53	284	12,000	400		9 099	9 099	67		41	41
WEST VIRGINIA		3	3	6	4	7				96	96			32	32
WYOMING		1	1	2	24	26				2 549	2 549	150		35	35
ALL COAL	3	73	747	820	24	1,005	18,000	150		31 660	31 660	263		37	37
ANTHRAHITE	3	16			255	1,005	18,000	4 579		34 205	34 205	275		37	37
ILLUMINOUS	3	17			279	1,102									
ALL COAL															
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TABLE 7. NUMBER OF INJURIES, COST MONIES, AND AVERAGE SEVERITY BY SECTOR FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						COST MONIES						AVERAGE SEVERITY	
	FATAL	NONFATAL		TOTAL	FATAL AND NONFATAL	TOTAL INJURIES	FATAL	NONFATAL		TOTAL	FATAL AND NONFATAL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NONFATAL
		PERMANENT	TEMPORARY					PERMANENT	TEMPORARY					
TOTAL OF AVERAGE ALL MINES AND PLANTS	2	14	560	574	576	204	780	12 000	5 465	18 500	36 300	390	25	64
ALABAMA			3	3	3	11	20		4	340	340		38	32
ALASKA			1	1	1	74	305		33	83	11 537	252	42	42
ARIZONA			106	106	106	264	5 000		4 962	2 432	62 679	175	75	87
CALIFORNIA			1 384	1 384	1 384	1 206	12 000		2 262	4 381	4 381	172	28	45
COLORED			106	106	106	12			106	209	209	100	26	28
ILLINOIS			2	2	2	3 007	102 000	5 000	104	127 902	229 302	477	34	34
INDIANA			1	1	1	11			1	166	166		10	10
IOWA			2 312	2 312	2 312	515			1 797	1 797	1 797		28	28
KANSAS			1	1	1	2			1	333	333		10	10
KENTUCKY			1	1	1	20			1	166	166		10	10
LOUISIANA			1	1	1	20			1	166	166		10	10
MARYLAND			1	1	1	20			1	166	166		10	10
MISSISSIPPI			1	1	1	20			1	166	166		10	10
MONTANA			1	1	1	20			1	166	166		10	10
NEBRASKA			1	1	1	20			1	166	166		10	10
NORTH CAROLINA			1	1	1	20			1	166	166		10	10
OHIO			1	1	1	20			1	166	166		10	10
OKLAHOMA			1	1	1	20			1	166	166		10	10
PENNSYLVANIA			1	1	1	20			1	166	166		10	10
AN HARBOR			1	1	1	20			1	166	166		10	10
ILLINOIS			1	1	1	20			1	166	166		10	10
ALL COAL			1	1	1	20			1	166	166		10	10
NEW YORK			1	1	1	20			1	166	166		10	10
UTAH			1	1	1	20			1	166	166		10	10
VIRGINIA			1	1	1	20			1	166	166		10	10
WEST VIRGINIA			1	1	1	20			1	166	166		10	10
WYOMING			1	1	1	20			1	166	166		10	10
TOTAL OF AVERAGE ALL MINES AND PLANTS	2	14	560	574	576	204	780	12 000	5 465	18 500	36 300	390	25	64
ALABAMA			3	3	3	11	20		4	340	340		38	32
ALASKA			1	1	1	74	305		33	83	11 537	252	42	42
ARIZONA			106	106	106	264	5 000		4 962	2 432	62 679	175	75	87
CALIFORNIA			1 384	1 384	1 384	1 206	12 000		2 262	4 381	4 381	172	28	45
COLORED			106	106	106	12			106	209	209	100	26	28
ILLINOIS			2	2	2	3 007	102 000	5 000	104	127 902	229 302	477	34	34
INDIANA			1	1	1	11			1	166	166		10	10
IOWA			2 312	2 312	2 312	515			1 797	1 797	1 797		28	28
KANSAS			1	1	1	2			1	333	333		10	10
KENTUCKY			1	1	1	20			1	166	166		10	10
LOUISIANA			1	1	1	20			1	166	166		10	10
MARYLAND			1	1	1	20			1	166	166		10	10
MISSISSIPPI			1	1	1	20			1	166	166		10	10
MONTANA			1	1	1	20			1	166	166		10	10
NEBRASKA			1	1	1	20			1	166	166		10	10
NORTH CAROLINA			1	1	1	20			1	166	166		10	10
OHIO			1	1	1	20			1	166	166		10	10
OKLAHOMA			1	1	1	20			1	166	166		10	10
PENNSYLVANIA			1	1	1	20			1	166	166		10	10
AN HARBOR			1	1	1	20			1	166	166		10	10
ILLINOIS			1	1	1	20			1	166	166		10	10
ALL COAL			1	1	1	20			1	166	166		10	10
NEW YORK			1	1	1	20			1	166	166		10	10
UTAH			1	1	1	20			1	166	166		10	10
VIRGINIA			1	1	1	20			1	166	166		10	10
WEST VIRGINIA			1	1	1	20			1	166	166		10	10
WYOMING			1	1	1	20			1	166	166		10	10
TOTAL OF AVERAGE ALL MINES AND PLANTS	2	14	560	574	576	204	780	12 000	5 465	18 500	36 300	390	25	64
ALABAMA			3	3	3	11	20		4	340	340		38	32
ALASKA			1	1	1	74	305		33	83	11 537	252	42	42
ARIZONA			106	106	106	264	5 000		4 962	2 432	62 679	175	75	87
CALIFORNIA			1 384	1 384	1 384	1 206	12 000		2 262	4 381	4 381	172	28	45
COLORED			106	106	106	12			106	209	209	100	26	28
ILLINOIS			2	2	2	3 007	102 000	5 000	104	127 902	229 302	477	34	34
INDIANA			1	1	1	11			1	166	166		10	10
IOWA			2 312	2 312	2 312	515			1 797	1 797	1 797		28	28
KANSAS			1	1	1	2			1	333	333		10	10
KENTUCKY			1	1	1	20			1	166	166		10	10
LOUISIANA			1	1	1	20			1	166	166		10	10
MARYLAND			1	1	1	20			1	166	166		10	10
MISSISSIPPI			1	1	1	20			1	166	166		10	10
MONTANA			1	1	1	20			1	166	166		10	10
NEBRASKA			1	1	1	20			1	166	166		10	10
NORTH CAROLINA			1	1	1	20			1	166	166		10	10
OHIO			1	1	1	20			1	166	166		10	10
OKLAHOMA			1	1	1	20			1	166	166		10	10
PENNSYLVANIA			1	1	1	20			1	166	166		10	10
AN HARBOR			1	1	1	20			1	166	166		10	10
ILLINOIS			1	1	1	20			1	166	166		10	10
ALL COAL			1	1	1	20			1	166	166		10	10
NEW YORK			1	1	1	20			1	166	166		10	10
UTAH			1	1	1	20			1	166	166		10	10
VIRGINIA			1	1	1	20			1	166	166		10	10
WEST VIRGINIA			1	1	1	20			1	166	166		10	10
WYOMING			1	1	1	20			1	166	166		10	10
TOTAL OF AVERAGE ALL MINES AND PLANTS	2	14	560	574	576	204	780	12 000	5 465	18 500	36 300	390	25	64
ALABAMA			3	3	3	11	20		4	340	340		38	32
ALASKA			1	1	1	74	305		33	83	11 537	252	42	42
ARIZONA			106	106	106	264	5 000		4 962	2 432	62 679	175	75	87
CALIFORNIA			1 384	1 384	1 384	1 206	12 000		2 262	4 381	4 381	172	28	45
COLORED			106	106	106	12			106	209	209	100	26	28
ILLINOIS			2	2	2	3 007	102 000	5 000	104	127 902	229 302	477	34	34
INDIANA			1	1	1	11			1	166	166		10	10
IOWA			2 312	2 312	2 312	515			1 797	1 797	1 797		28	28
KANSAS			1	1	1	2			1	333	333		10	10
KENTUCKY			1	1	1	20			1	166	166		10	10
LOUISIANA			1	1	1	20			1	166	166		10	10
MARYLAND			1	1	1	20			1	166	166		10	10
MISSISSIPPI			1	1	1	20			1	166	166		10	10
MONTANA			1	1	1	20			1	166	166		10	10
NEBRASKA			1	1	1	20			1	166	166		10	10
NORTH CAROLINA			1	1	1	20			1	166	166		10	10
OHIO			1	1	1	20			1	166	166		10	10
OKLAHOMA			1	1	1	20			1	166	166		10	10
PENNSYLVANIA			1	1										

TABLE 7. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY OFFICE FOR NON-LOCAL AND STATE AT ALL LOCAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

NON-LOCAL AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY					
	FATAL	NON-FATAL			TOTAL INJURIES	MIR	TOTAL FATAL AND NON-FATAL	FATAL	NON-FATAL			TOTAL FATAL AND NON-FATAL	PERMANENTLY PARTIAL	TEMPORARY	TOTAL FATAL AND NON-FATAL			
		TOTAL	PARTIAL	TEMPORARY					TOTAL	PARTIAL	TEMPORARY					TOTAL	PARTIAL	TEMPORARY
GRAND TOTAL ON AVERAGE	2	11	1	1	13	204	1,013	12,000	5,485	1	12,000	37,019	300	1	12,000	37,019	300	
ALABAMA																		
ALASKA																		
ARIZONA																		
CALIFORNIA																		
COLORADO																		
CONNECTICUT																		
DELAWARE																		
FLORIDA																		
GEORGIA																		
ILLINOIS																		
INDIANA																		
IOWA																		
KANSAS																		
KENTUCKY																		
LOUISIANA																		
MAINE																		
MARYLAND																		
MASSACHUSETTS																		
MISSOURI																		
MONTANA																		
NEBRASKA																		
NEVADA																		
NEW HAMPSHIRE																		
NEW JERSEY																		
NEW MEXICO																		
NORTH CAROLINA																		
NORTH DAKOTA																		
OHIO																		
OKLAHOMA																		
PENNSYLVANIA																		
RHODE ISLAND																		
SOUTH CAROLINA																		
SOUTH DAKOTA																		
TENNESSEE																		
TEXAS																		
UTAH																		
VIRGINIA																		
WASHINGTON																		
WEST VIRGINIA																		
WYOMING																		
TOTAL ON AVERAGE	2	11	1	1	13	204	1,013	12,000	5,485	1	12,000	37,019	300	1	12,000	37,019	300	
AMERICAN																		
EUROPEAN																		
ALL LOCAL																		

TABLE 3. NUMBER OF FOREIGN-BORN NATIVES AND NATIVITY MEASURES BY OCCUPATION FOR WOMEN, 1940 AND 1960. (UNITED STATES AND ALL U.S. COLO. OPERATIONS IN THE UNITED STATES, 1940)

[illegible]

TABLE 8. NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL TOTAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFI				TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI
		PERMANENT		TEMPORARY	TOTAL AND NFI									
		TOTAL	PARTIAL											
TOTAL OR AVERAGE														
EAR				30		30	68	04	04	06	10		1	1
EYE				206		206	381	30	30	26	56		2	2
JAW				12		12	32	02	02	03	05		1	1
MOUTH/THROAT/LONGUE				28		28	93	04	04	14	18		(*)	(*)
NOSE				27		27	57	04	04	04	08		1	1
SCALP				3		3	6	(*)	(*)	(*)	(*)		(*)	(*)
SKULL	1					1	1				(*)	9	9	9
FACE				43		43	96	06	06	08	14	1	1	1
HEAD, NEC	4	1		121		126	248	01	18	18	37	36	44	44
NECK		1		355		356	431	54	54	10	64	20	20	20
NECK				15		15	18	03	02	(*)	03	1	1	1
UPPER ARM				128		128	148	10	10	03	22	7	7	7
ELBOW		2		73		75	117	11	11	06	17	15	15	15
FOREARM				127		127	159	19	19	04	24	6	6	6
WREST				318		318	486	47	47	25	72	14	14	14
HAND		43		687		740	1,350	1	10	10	90	36	36	36
FINGER(S)				153		153	47	23	23	07	30	16	16	16
UPPER EXTREMITIES, NEC	1	1		48		48	52	07	07	01	08	1	1	1
ABDOMEN				2,633		2,633	198	3	90	24	4	19	237	237
BACK		1		153		153	173	01	23	23	26	6	6	6
PHYSI	5			196		196	275	24	37	37	41	14	14	14
PELVIC REGION		55		301		302	334	45	45	05	49	26	26	26
SHOULDER(S)		1		146		147	166	(*)	22	22	25	15	15	15
TRUNK, NEC	3	1		58		58	79	09	09	03	12	3	3	3
THIGH				853		853	894	1	22	11	13	57	57	57
KNEE				310		310	327	11	11	02	13	15	15	15
LOWER LEG		2		74		76	88	46	46	04	48	14	14	14
ANKLE		3		300		303	394	54	54	05	58	20	20	20
FOOT		5		40		45	56	07	07	02	08	4	4	4
TOE(S)				223		223	251	33	33	04	37	17	17	17
LOWER EXTREMITIES, NEC				10		10	11	04	04	01	07	2	2	2
BODY SYSTEMS	4			40		44	48	01	04	06	01	80	80	80
MULTIPLE PARTS OF BODY	20			653		653	699	04	41	44	10	178	178	178
UNCLASSIFIED				3		3	3	(*)	(*)	(*)	(*)	(*)	(*)	(*)
TOTAL OR AVERAGE	43	1	116	8,359	8,476	8,519	10,593	06	12	55	12	362	619	1,001

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						TOTAL INJURIES	INCIDENCE RATES						SEVERITY MEASURES		
	FATAL	PERMANENT			TEMPORARY	TOTAL FATAL AND NFDI		NFI	FATAL	NFDI	ALL FATAL AND NFDI	NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI
		TOTAL	PARTIAL													
SURFACE MINES																
STRIP	-	-	-	2	2	63	5	-	15	(+)	01	02	-	(+)	(+)	(+)
EYE	-	-	-	63	63	3	109	-	01	(+)	26	41	-	(+)	(+)	(+)
JAW	-	-	-	3	3	1	6	-	(+)	(+)	01	01	-	(+)	(+)	(+)
MOUTH/TEETH/TONGUE	-	-	-	1	1	1	17	-	(+)	(+)	04	04	-	(+)	(+)	(+)
NOSE	-	-	-	3	3	3	5	-	01	(+)	01	02	-	(+)	(+)	(+)
SCALP	-	-	-	-	-	-	1	-	-	-	(+)	01	-	-	-	(+)
FACE, NEC	-	-	-	9	9	9	12	-	02	(+)	03	05	-	(+)	(+)	(+)
HEAD, NEC	1	22	22	23	23	35	58	(+)	05	(+)	08	14	14	1	15	15
NECK	-	36	36	36	36	10	46	-	09	(+)	02	11	-	(+)	3	3
UPPER ARM	-	4	4	4	4	2	6	-	01	(+)	01	01	-	(+)	(+)	(+)
ELBOW	-	21	21	21	21	4	25	-	05	(+)	01	06	-	(+)	1	1
FOREARM	-	9	9	9	9	14	23	-	02	(+)	03	06	-	(+)	1	1
WRIST	-	18	18	18	18	10	28	-	04	(+)	02	07	-	(+)	1	1
HAND	-	28	28	28	28	50	78	-	07	(+)	12	19	-	(+)	7	7
FINGER(S)	-	86	86	95	95	177	272	-	23	(+)	43	65	-	(+)	17	17
UPPER EXTREMITIES, NEC	1	29	29	30	30	13	43	(+)	07	(+)	03	10	14	3	17	17
ABDOMEN	-	5	5	5	5	6	11	-	01	(+)	01	03	-	(+)	(+)	(+)
BACK	-	417	417	418	418	53	471	-	1	(+)	13	13	-	50	50	50
CHEST	-	38	38	38	38	13	51	-	09	(+)	03	12	-	2	2	2
PELVIC REGION	-	33	33	44	44	7	51	-	11	(+)	02	12	-	4	4	4
SHOULDER(S)	-	52	52	52	52	9	61	-	13	(+)	02	15	-	4	4	4
TRUNK, NEC	-	31	31	31	31	7	38	-	07	(+)	02	09	-	2	2	2
THIGH	-	9	9	9	9	6	15	-	02	(+)	01	04	-	(+)	(+)	(+)
KNEE	-	104	104	104	104	18	122	-	25	(+)	04	29	-	8	8	8
LOWER LEG	-	27	27	27	27	12	39	-	06	(+)	03	09	-	5	5	5
ANKLE	-	30	30	30	30	13	93	-	19	(+)	03	22	-	4	4	4
FOOT	-	54	54	54	54	13	67	-	13	(+)	03	16	-	4	4	4
TOE(S)	-	8	8	8	8	5	13	-	02	(+)	01	03	-	(+)	(+)	(+)
LOWER EXTREMITIES, NEC	1	15	15	45	45	12	57	(+)	11	(+)	03	14	14	4	15	15
BODY SYSTEMS	4	7	7	7	7	3	11	(+)	02	(+)	01	03	14	(+)	15	15
MULTIPLE PARTS OF BODY	-	160	160	160	160	28	192	-	39	(+)	07	46	58	19	77	77
TOTAL OR AVERAGE	7	21	21	1,404	1,425	675	2,107	02	3.43	3.45	1.62	5.07	101	127	228	228
AUGER																
EYE	-	-	-	1	1	1	2	-	31	(+)	31	62	-	1	1	1
MOUTH/TEETH/TONGUE	-	-	-	1	1	1	1	-	31	(+)	31	31	-	1	1	1
FACE, NEC	-	-	-	1	1	1	1	-	31	(+)	31	31	-	2	2	2
HEAD, NEC	-	-	-	1	1	1	1	-	31	(+)	31	31	-	1	1	1
ELBOW	-	-	-	3	3	3	6	-	31	(+)	93	93	-	8	8	8
FINGER(S)	-	-	-	3	3	3	6	-	31	(+)	31	31	-	2	2	2
UPPER EXTREMITIES, NEC	-	-	-	1	1	1	1	-	31	(+)	31	31	-	(+)	(+)	(+)
BACK	-	-	-	1	1	1	3	-	31	(+)	31	31	-	8	8	8
CHEST	-	-	-	1	1	1	2	-	31	(+)	31	31	-	20	20	20
PELVIC REGION	-	-	-	2	2	2	1	-	31	(+)	31	31	-	2	2	2
SHOULDER(S)	-	-	-	1	1	1	1	-	31	(+)	31	31	-	52	52	52
TRUNK, NEC	-	-	-	3	3	3	4	-	31	(+)	31	31	-	35	35	35
KNEE	-	-	-	4	4	4	4	-	31	(+)	31	31	-	49	49	49
LOWER LEG	-	-	-	2	2	2	2	-	31	(+)	31	31	-	30	30	30
LOWER EXTREMITIES, NEC	-	-	-	2	2	2	2	-	31	(+)	31	31	-	75	75	75
MULTIPLE PARTS OF BODY	-	-	-	2	2	2	4	-	31	(+)	31	31	-	75	75	75
TOTAL OR AVERAGE	-	1	1	24	25	15	40	-	7.75	7.75	4.65	12.41	-	287	287	287

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES				
	FATAL	PERMANENT		TEMPORARY	TOTAL NFI	TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI
		NFI														
		TOTAL	PARTIAL													
CUM. BANK																
EYE				4	4	4	2	6	1.23	1.23	.62	1.85		3	3	
NOSE				1	1	1	1	1	.31	.31	.31	.31		4	4	
HEAD, NEC				1	1	1	1	1	.31	.31	.31	.31		10	10	
NECK				1	1	1	1	2	.31	.31	.31	.62		3	3	
HAND				1	1	1	2	3	.31	.31	.62	.93		9	9	
FINGER(S)				1	2	2	1	3	.62	.62	.31	.93		1.389	1.389	
UPPER EXTREMITIES, NEC			1	1	1	1	1	4	1.23	1.23	.31	.93		28	28	
BACK			1	4	4	4	1	3	.93	.93		.93		27	27	
PELVIC REGION			1	2	3	3	1	2	.62	.62		.62		2	2	
KNEE			2	2	2	2	1	2	.62	.62	.31	.62		4	4	
ANKLE			2	2	2	1	1	2	.31	.31	.31	.62		1	1	
BODY SYSTEMS			2	2	2	1	1	2	.62	.62		.62		79	79	
MULTIPLE PARTS OF BODY			2	2	2	2	2	2								
TOTAL OR AVERAGE			2	22	24	24	8	32	7.41	7.41	2.47	9.87		1.559	1.559	
DRUGG																
EYE							1	1			1.70	1.70				
FINGER(S)							1	1			1.70	1.70				
BACK				1	1	1	1	1	1.70	1.70	1.70	1.70		92	92	
LOWH LEG				1	1	1	1	1	1.70	1.70	1.70	1.70		540	540	
MULTIPLE PARTS OF BODY							3	5	3.40	3.40	5.11	8.51		632	632	
TOTAL OR AVERAGE				2	2	2	3	5								

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			
	FATAL	NFI				TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI
		PERMANENT		TEMPORARY	TOTAL NFI											
		TOTAL	PARTIAL													
TOTAL OR AVERAGE, SURFACE																
EAR						2	5	7		(*)	(*)	01	02		(*)	(*)
EYE						68	113	181		16	16	27	43		(*)	(*)
JAW						3	6	9		01	01	01	02		(*)	(*)
MOUTH/TEETH/TONGUE						1	18	19		(*)	(*)	04	04		(*)	(*)
NONE						3	6	9		01	01	01	02		(*)	(*)
NOSE						3	1	1				(*)	(*)		(*)	(*)
SCALP						10	12	22		02	02	03	05		(*)	(*)
FACE, NEC						24	35	60		06	06	08	14		15	15
HEAD, NEC	1					37	10	47		04	09	02	11		3	3
NECK						4	2	6		01	01	(*)	01		(*)	(*)
UPPER ARM						22	6	28		05	05	01	07		1	1
ELBOW						9	14	23		02	02	03	05		1	1
FOREARM						18	10	28		04	04	02	07		1	1
WRIST						29	51	80		07	07	12	19		7	7
HAND						90	183	282		23	23	43	67		2	2
FINGER(S)		9				31	15	46		08	08	04	11		13	13
UPPER EXTREMITIES, NEC	1	1				5	6	11		01	01	01	03		(*)	(*)
ARM						424	56	480		1	1	13	14		50	50
BACK						39	13	52		09	09	03	12		2	2
CHEST						36	7	56		12	12	02	13		4	4
PELVIC REGION						53	9	62		13	13	02	15		4	4
SHOULDER(S)		13				34	8	42		08	08	07	10		2	2
TRUNK, NEC						9	6	15		02	02	01	04		(*)	(*)
HIGH						110	18	128		26	26	04	30		4	4
KNEE						29	13	42		07	07	03	10		2	2
LOWER LEG						82	13	95		19	19	03	16		4	4
ANKLE						54	13	67		13	13	03	16		4	4
FOOT						8	5	13		02	02	01	03		(*)	(*)
TOE(S)						46	13	59		11	11	03	14		4	4
LOWER EXTREMITIES, NEC	1					8	9	13		02	02	01	03		(*)	(*)
BODY SYSTEMS						165	30	199		39	40	07	47		77	77
MULTIPLE PARTS OF BODY	4									01					21	21
TOTAL OR AVERAGE	7	24		1,452		1,476	701	2,184	02	3.49	3.51	1.66	5.17	49	140	239

TABLE 8 NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL LOCAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	NFI				TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI	
		PERMANENT		TEMPORARY											TOTAL FATAL AND NFI
		TOTAL	PARTIAL												
TOTAL OR AVERAGE, MINING															
EAR				32	32	75			0.3	0.3	0.7		1	1	
EYE				274	274	562			25	25	51		1	1	
JAW				15	15	26			0.1	0.1	0.4		(*)	(*)	
MOUTH/TEETH/TONGUE				29	29	111			0.3	0.3	1.0		(*)	(*)	
NOSE				30	30	66			0.3	0.3	0.6		(*)	(*)	
SCALP				3	3	4			(*)	(*)	0.1		(*)	(*)	
SKULL	1			53	53	1			(*)	(*)	(*)	5		5	
FACE, NEC				145	145	118			0.5	0.5	1.1		1	1	
HEAD, NEC	5	1		402	403	308			1.3	1.4	2.8	27	5	33	
NECK		1		13	14	478			37	37	0.7		14	14	
UPPER ARM				150	150	24			0.2	0.3	0.2		1	1	
ELBOW				82	84	176			1.4	1.4	1.6		5	5	
FOREARM		2		145	145	140			0.8	0.8	0.5		10	10	
WRIST				347	347	187			1.3	1.3	0.4		5	5	
HAND		52		787	839	566			3.2	3.2	2.0		9	9	
FINGER(S)		2		184	186	1,632			7.6	7.6	1.49		25	25	
UPPER EXTREMITIES, NEC	2			53	53	250			1.7	1.7	0.6	11	15	26	
ABDOMEN		1		3,059	3,059	63			0.5	0.5	0.1		1	1	
BACK				192	192	3,113			2.79	2.79	3.02		165	165	
CHEST	5			332	332	225			1.7	1.8	0.3	27	4	32	
PELVIC REGION		68		300	300	331			2.7	2.7	0.3		10	10	
SHOULDER(S)		1		354	355	41			3.2	3.2	0.4		17	17	
TRUNK, NEC	3	1		180	181	208			1.6	1.7	0.2	1b	10	27	
THIGH				67	67	94			0.6	0.6	0.2		2	2	
KNEE				933	933	89			8.5	8.5	0.8		38	38	
LOWER LEG		2		103	105	130			10	10	0.2		12	12	
ANKLE				392	392	42			3.6	3.6	0.3		10	10	
FOOT		3		414	417	461			3.8	3.8	0.4		14	14	
TOE(S)		5		48	53	69			0.5	0.5	0.1		2	2	
LOWER EXTREMITIES, NEC				269	269	310			2.4	2.4	0.4		12	12	
BODY SYSTEMS	10			40	40	61			0.4	0.5	0.1		1	56	
MULTIPLE PARTS OF BODY	24			778	778	898			0.1	0.1	0.6		44	174	
UNCLASSIFIED				3	3	3			(*)	(*)	(*)		(*)	(*)	
TOTAL OR AVERAGE	50	1	140	9,411	9,452	12,777	0	9	9.06	9.11	2.53	273	434	708	

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			
	FATAL	NFI				TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI
		PERMANENT	PARTIAL	TOTAL	TEMPORARY											
INDEPENDENT SHOPS																
EYE				1	1	18	19	09	09	09	1 64	1 78		(+)	(+)	
FACE, NEC				2	2	2	4	19	19	19	09	28	562	2	2	567
HEAD, NEC	1			1	1	2	3	09	09	19	09	37		5	5	
ELBOW				4	4	4	4	2	2	37	37	15		12	12	
HAND				4	4	4	17	37	37	37	19	15		6	6	
FINGER(S)				4	4	4	4	4	37	37	1 22	1 54		10	10	
UPPER EXTREMITIES, NEC				4	4	4	4	2	2	37	47	37		110	110	
BACK				23	23	6	29	2 15	2 15	2 15	56	2 72		2	2	
CHEST			1	1	1	1	1	09	09	09	19	09		7	7	
PELVIC REGION			1	2	2	2	2	19	19	19	19	19		40	40	
SHOULDER(S)			2	2	2	2	2	19	19	19	37	66		7	7	
TRUNK, NEC			3	3	3	4	7	28	28	28	37	66		16	16	
KNEE			1	1	1	1	1	04	04	04	09	04		2	2	
LOWER LEG			1	1	1	1	2	09	09	09	09	19		(+)	(+)	
FOOT			1	1	1	1	1	09	09	09	09	09		9	9	
LOWER EXTREMITIES, NEC			4	4	4	4	4	37	37	37	37	37		39	39	
BODY SYSTEMS																
MULTIPLE PARTS OF BODY																
TOTAL OR AVERAGE	1		1	55	56	48	105	09	5 25	5 34	4 50	9 84	562	266		828

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, 1991 (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 INJUR- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TEMPO- RARY											
		TOTAL	PARTIAL												
PROCESSING PLANTS															
EAR			3		3	2	5		02	02	01	03		(*)	(*)
EYE			47		47	46	93		33	33	32	65		1	1
JAW						1	1				01	01			
MOUTH/TEETH/TONGUE			2		2	8	10		01	01	06	07		(*)	(*)
NOSE			1		1	3	4		01	01	02	03		(*)	(*)
SCALP						1	1				01	01			
SKULL	1					1	1		01	01	01	01			
FACE, NEC			6		6	4	10		04	04	03	07	42	42	42
HEAD, NEC			11		11	20	31		08	08	14	22		(*)	(*)
NECK			26		26	1	27		18	18	01	19		5	5
UPPER ARM			1		1	1	2		01	01	01	01		1	1
ELBOW			12		12	5	17		08	08	03	12		3	3
FOREARM			3		3	6	9		02	02	04	06		1	1
WRIST			9		9	4	13		06	06	03	09		3	3
HAND			22		22	23	45		15	15	16	31		4	4
FINGER(S)			66		66	71	133		49	49	57	106		11	11
UPPER EXTREMITIES, NEC		5	12		17	7	19		08	08	05	13		2	2
ABDOMEN			5		5	5	5		03	03	03	03		(*)	(*)
BACK			239		241	17	258		167	167	12	179		86	86
CHEST			18		18	3	21		12	12	02	15		5	5
PELVIC REGION			30		39	3	42		27	27	02	29		9	9
SHOULDER(S)		9	29		29	1	30		20	20	01	21		10	10
TRUNK, NEC	1		9		10	2	12		01	06	07	01	42	42	44
THIGH			6		6	3	9		04	04	02	06		2	2
KNEE			67		67	8	75		47	47	06	52		19	19
LOWER LEG			8		8	5	13		06	06	03	09		24	24
ANKLE		1	40		40	4	44		28	28	03	31		5	5
FOOT			27		27	2	29		19	19	01	20		6	6
TOE(S)			8		8	1	9		06	06	01	06		1	1
LOWER EXTREMITIES, NEC			20		20	6	26		14	14	04	18		4	4
BODY SYSTEMS			6		6	2	8		04	04	01	06		(*)	(*)
MULTIPLE PARTS OF BODY	1		70		71	8	79		49	49	06	55	42	27	69
UNCLASSIFIED			1		1	1	1		01	01	01	01		(*)	(*)
TOTAL OR AVERAGE	3	17	803		820	279	1,102	02	569	571	194	765	125	238	362

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, 1991 (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 INJU- RIES	FATAL	NFDI	ALL FATAL AND NFDI
		PERMANENT		TEMPO- RARY											
		TOTAL	PARTIAL												
TOTAL OR AVERAGE															
ALL MINES AND PLANTS															
EAR				35	35	35	45	80	03	03	04	06		1	1
EYE				322	322	322	352	674	26	26	28	54		1	1
JAW				15	15	15	27	42	01	01	02	03		(*)	(*)
MOUTH/TEETH/TONGUE				31	31	31	119	150	02	02	09	12		(*)	(*)
NOSE				31	31	31	39	70	02	02	03	06		(*)	(*)
SCALP				3	3	3	5	8	(*)	(*)	(*)	01		(*)	(*)
SKULL	2					2	2		(*)	(*)	(*)	10		(*)	10
FACE, NEC				61	61	61	71	132	05	05	06	11		1	1
HEAD, NEC	6			157	158	164	176	342	(*)	13	13	27	29		34
NECK			1	428	429	429	76	505	34	34	06	40		13	13
UPPER ARM				20	20	20	6	26	02	02	(*)	02		1	1
ELBOW				166	166	166	31	197	13	13	02	16		5	5
FOREARM			2	85	87	87	62	149	07	07	05	12		9	9
WRIST				154	154	154	46	200	12	12	04	16		4	4
HAND				369	369	369	244	613	29	29	19	49		9	9
FINGER(S)			57	857	914	914	888	1,802	73	73	71	144		23	23
UPPER EXTREMITIES, NEC	2		2	200	202	204	69	273	(*)	16	16	22	10		23
ABDOMEN				58	58	58	10	68	05	05	01	05		1	1
BACK			4	3,318	3,323	3,323	277	3,600	265	265	23	87		151	151
CHEST	5			211	211	216	31	247	(*)	17	17	20	24		28
PELVIC REGION			78	263	341	341	34	375	27	27	03	30		10	10
SHOULDER(S)				385	386	386	42	428	31	31	03	34		17	17
TRUNK, NEC	4		1	191	192	196	26	222	(*)	15	16	18	19		28
THIGH				73	73	73	30	103	06	06	02	08		2	2
KNEE				1,003	1,003	1,003	101	1,104	80	80	08	88		36	36
LOWER LEG				111	114	114	30	144	09	09	02	11		13	13
ANKLE			3	432	432	432	34	466	34	34	03	37		9	9
FOOT			3	442	445	445	47	492	36	36	04	39		13	13
TOE(S)			5	56	61	61	17	78	05	05	01	06		2	2
LOWER EXTREMITIES, NEC				290	290	290	47	337	23	23	04	27		11	11
BODY SYSTEMS	10			46	46	46	14	70	01	04	01	06	48		49
MULTIPLE PARTS OF BODY	25			852	852	877	104	981	68	68	07	78	120	43	161
UNCLASSIFIED				4	4	4	4	4	(*)	(*)	(*)	(*)		(*)	(*)
TOTAL OR AVERAGE	54	1	158	10,669	10,828	10,882	3,102	13,984	04	864	869	248	259	410	669

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, 1991 (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 INJURY RATES	FATAL	NFDI	ALL FATAL AND NFDI											
		PERMANENT		TEMPORARY	TOTAL NFDI																						
		TOTAL	PARTIAL																								
OFFICE																											
EYE							2	2				0.1	0.1														
ELBOW							1	1				0.2	0.2														
WRIST				1	1	1		1		0.2	0.2		0.2		(*)	(*)											
HAND							3	3				0.5	0.5														
FINGER(S)				3	3	3		3		0.5	0.5		0.5		(*)	(*)											
UPPER EXTREMITIES, NEC							1	1				0.2	0.2														
BACK				12	12	12	1	13		1.9	1.9	0.2	2.1		1.2	1.2											
SHOULDER(S)				2	2	2		2		0.3	0.3		0.3		2	2											
TRUNK, NEC				1	1	1		1		0.2	0.2		0.2		1	1											
KNEE				5	5	5		5		0.8	0.8		0.8		10	10											
LOWER LEG				1	1	1	1	2		0.2	0.2	0.2	0.3		(*)	(*)											
ANKLE				1	1	1		3		0.2	0.2	0.4	0.5		1	1											
FOOT				1	1	1		1		0.2	0.2		0.2		(*)	(*)											
TOE(S)				1	1	1		1		0.2	0.2		0.2		(*)	(*)											
MULTIPLE PARTS OF BODY				1	1	1		1		0.2	0.2		0.2		1	1											
TOTAL OR AVERAGE				24	24	29	11	40		4.6	4.6	1.7	6.3		2.8	2.8											
GRAND TOTAL OR AVERAGE																											
EAR				35	35	35	45	80		0.3	0.3	0.1	0.6		1	1											
EYE				322	322	322	354	676		24	24	2.7	5.1		1	1											
JAW				15	15	15	27	42		0.1	0.1	0.2	0.3		(*)	(*)											
MOUTH/TEETH/TONGUE				31	31	31	114	150		0.2	0.2	0.9	1.1		(*)	(*)											
NOSE				31	31	31	35	70		0.2	0.2	0.4	0.6		(*)	(*)											
SCALP				4	4	4	5	8		(*)	(*)	(*)	0.1		(*)	(*)											
SKULL	2					2		2	(*)	(*)	(*)	(*)	0.1	9		9											
FACE, NEC				61	61	61	71	132		0.5	0.5	0.5	1.0		1	1											
HEAD, NEC	6			157	157	164	178	342	(*)	1.2	1.2	1.4	2.6	27	5	32											
NECK		1		428	428	429	76	505		3.3	3.3	0.6	3.9		12	12											
UPPER ARM				20	20	20	6	26		0.2	0.2	(*)	0.2		1	1											
ELBOW				166	166	166	32	198		1.3	1.3	0.2	1.5		5	5											
FOREARM			2	85	87	87	62	149		0.7	0.7	0.5	1.1		8	8											
WRIST				155	155	155	46	201		1.2	1.2	0.4	1.5		4	4											
HAND				369	369	369	247	616		2.8	2.8	1.9	4.7		8	8											
FINGER(S)			57	860	917	917	886	1,803		7.0	7.0	6.2	13.7		22	22											
UPPER EXTREMITIES, NEC	2		2	260	262	264	70	274	(*)	1.5	1.5	0.4	2.1	9	13	22											
ABDOMEN				58	58	58	10	68		0.4	0.4	0.1	0.5		1	1											
BACK		1	4	6,430	6,435	6,435	278	7,113	(*)	2,533	2,533	21	2,754	148	148	148											
CHEST	5			211	211	216	31	247	(*)	1.6	1.6	0.2	1.9	21	4	27											
PELVIS REGION			78	263	341	341	34	375		2.6	2.6	0.3	2.9		9	9											
SHOULDER(S)			1	387	388	388	42	430		2.9	2.9	0.2	3.3		16	16											
TRUNK, NEC	4		1	192	193	197	26	223	(*)	1.5	1.5	0.2	1.7	18	9	27											
THIGH				73	73	73	30	103		0.6	0.6	0.2	0.8		2	2											
KNEE				1,008	1,008	1,008	101	1,109		7.7	7.7	0.5	8.4		35	35											
LOWER LEG			3	112	115	115	31	146		0.9	0.9	0.2	1.1		12	12											
ANKLE				433	433	433	36	469		3.4	3.4	0.4	3.6		9	9											
FOOT			3	443	446	446	47	493		3.4	3.4	0.4	3.7		12	12											
TOE(S)			5	57	62	62	17	79		0.5	0.5	0.1	0.6		2	2											
LOWER EXTREMITIES, NEC				290	290	290	47	337		2.2	2.2	0.4	2.6		11	11											
BODY SYSTEMS	10			46	46	56	14	70		0.3	0.4	0.1	0.5	4.6	1	47											
MULTIPLE PARTS OF BODY	25			853	853	878	104	982		6.5	6.5	0.5	7.5	114	40	154											
UNCLASSIFIED				4	4	4		4		(*)	(*)		(*)		(*)	(*)											
TOTAL OR AVERAGE	54	1	158	10,698	10,857	10,911	3,113	14,024	64	8,25	8,25	2,37	10,66	246	392	638											

TABLE SA NUMBER OF INJURIES, INCIDENTS RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1941

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENT RATES						SEVERITY MEASURES		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	FATAL	NFI	ALL FATAL AND NFI		
		PERMANENT	TEMPORARY	TOTAL NFI											
														TOTAL	PARTIAL
UNDERGROUND MINES															
UNDERGROUND															
EYE				1	1	1	1		56	56		4	4		
MOUTH/TEETH/TONGUE				1	1	1	1		56	56		18	18		
NECK				1	1	1	1		56	56		10	10		
BACK				1	1	1	1		56	56		29	29		
PELVIS REGION				1	1	1	1		56	56		36	36		
ANKLE				1	1	1	1		56	56		14	14		
LOWER EXTREMITIES, NEC				2	2	2	2		112	112		14	14		
MULTIPLE PARTS OF BODY				7	7	7	7		392	392		217	217		
TOTAL OR AVERAGE															
TOTAL OR AVERAGE, 100				1	1	1	1		43	43		4	4		
EYE				1	1	1	1		43	43		4	4		
MOUTH/TEETH/TONGUE				1	1	1	1		43	43		12	12		
NECK				1	1	1	1		43	43		22	22		
BACK				1	1	1	1		43	43		11	11		
PELVIS REGION				1	1	1	1		43	43		108	108		
ANKLE				2	2	2	2		87	87		166	166		
LOWER EXTREMITIES, NEC				7	7	7	7		301	301		4	4		
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE															
SURFACE MINES															
SURFACE															
EYE				3	3	3	3		71	71		1	1		
NOSE				1	1	1	1		17	17		3	3		
FACE, NEC				1	1	1	1		17	17		1	1		
HEAD, NEC				1	1	1	1		17	17		14	14		
NECK				3	3	3	3		51	51		17	17		
THROW				1	1	1	1		17	17		17	17		
WRIST				1	1	1	1		17	17		17	17		
HAND				2	2	2	2		34	34		27	27		
FINGER(S)				1	1	1	1		17	17		17	17		
UPPER EXTREMITIES, NEC				1	1	1	1		17	17		17	17		
ABDOMEN				17	17	17	17		289	289		34	34		
BACK				1	1	1	1		17	17		17	17		
CHEST				1	1	1	1		17	17		17	17		
PELVIS REGION				3	3	3	3		51	51		17	17		
SHOULDER(S)				3	3	3	3		51	51		17	17		
TRUNK, NEC				1	1	1	1		17	17		20	20		
THIGH				2	2	2	2		34	34		11	11		
KNEE				1	1	1	1		17	17		17	17		
LOWER LEG				1	1	1	1		17	17		4	4		
ANKLE				2	2	2	2		34	34		17	17		
FOOT				4	4	4	4		68	68		47	47		
LOWER EXTREMITIES, NEC				4	4	4	4		68	68		22	22		
MULTIPLE PARTS OF BODY				1	1	1	1		1076	1076		477	477		
TOTAL OR AVERAGE															

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, 1957 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI
		PERMANENT	TEMPORARY	TOTAL NFI											
CLIMB BANK				3	3	3	4		1 54	1 54	51	2 05		4	4
EYE							1				51	51			
NOSE				1	1	1	1				51	51		6	6
HAND				1	1	1	1				51	51		15	15
FINGER(S)				1	1	1	1				51	51		2 371	2 371
UPPER EXTREMITIES, NEC		1		1	1	1	1				51	51		4	4
BACK				1	1	1	1				51	51		11	11
PELVIC REGION				1	1	1	1				51	51		4	4
KNIFE				2	2	2	2		1 01	1 01	103	103		3	3
ANKLE				1	1	1	1				51	51		107	107
BODY SYSTEMS				1	1	1	1				51	51		2 463	2 463
MULTIPLE PARTS OF BODY				1	1	1	1				51	51			
TOTAL OR AVERAGE				11	12	12	17		6 16	6 16	2 57	6 73			
TOTAL OR AVERAGE, SURFACE				6	6	6	9		76	76	38	1 15		1	1
EYE				1	1	1	1		13	13	13	13		2	2
NOSE				1	1	1	1		13	13	13	13		2	2
FACE, NEC				1	1	1	1		13	13	13	13		1 1	1 1
HEAD, NEC				1	1	1	1		13	13	13	13		1 1	1 1
NECK				3	3	3	4		38	38	13	51		12	12
NECK				1	1	1	1		13	13	13	13		1	1
FIBRO				1	1	1	1		13	13	13	13		1	1
WRIST				1	1	1	1		13	13	13	13		1	1
HAND				3	3	3	5		38	38	25	64		16	16
FINGER(S)				2	2	2	3		25	25	38	64		21	21
UPPER EXTREMITIES, NEC				1	1	1	1		25	25	13	38		10	10
ABDOMEN		1		1	1	1	1		13	13	13	25		69	69
BACK				18	18	18	20		2 29	2 29	25	55		44	44
BALD				1	1	1	1		13	13	13	13		1 1	1 1
CHEST				4	4	4	5		64	64	64	64		14	14
PELVIC REGION		1		3	3	3	3		38	38	38	38		10	10
SHOULDER(S)				1	1	1	1		13	13	13	13		15	15
TRUNK, NEC				2	2	2	2		25	25	25	25		15	15
THIGH				7	7	7	7		89	89	89	89		27	27
KNEE				1	1	1	1		13	13	13	13		1	1
LOWER LEG				3	3	3	3		38	38	13	51		1	1
ANKLE				2	2	2	2		25	25	25	25		9	9
FOOT				4	4	4	4		71	71	51	51		35	35
LOWER EXTREMITIES, NEC				5	5	5	5		64	64	64	64		4	4
BODY SYSTEMS				2	2	2	2		9 43	9 43	2 80	10 23		403	403
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE				72	74	74	96		9 43	9 43	2 80	10 23			

TABLE 8A NUMBER OF INJURIES, INCIDENT RATE, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENT RATES						SEVERITY MEASURES			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	ALL INJ. RATES	FATAL	NFI	ALL FATAL AND NFI		
		PERMANENT	TEMPO RARY	TOTAL NFI												
															TOTAL	PARTIAL
TOTAL OR AVERAGE, MINING																
EYE				7	7	7	10		69	69		40	49	2		
MOUTH/TEETH/TONGUE				1	1	1	1		10	10		10	10	2		
NOSE				1	1	1	2		10	10		10	20	2		
FACE, NEC				1	1	1	3		10	10		10	34	2		
HEAD, NEC				4	4	4	5		39	39		10	44	14		
NECK				1	1	1	1		10	10		10	10	1		
ELBOW				1	1	1	1		10	10		10	10	1		
WRIST				1	1	1	1		10	10		10	10	1		
HAND				3	3	3	5		40	40		20	49	12		
FINGER(S)				2	2	2	3		20	20		30	49	12		
UPPER EXTREMITIES, NEC				1	1	1	1		10	10		10	10	1		
ABDOMEN				1	1	1	1		10	10		10	10	1		
BACK				19	19	19	21		187	187		20	207	24		
PELVIS				1	1	1	1		10	10		10	10	1		
PELVIS REGION				1	1	1	1		10	10		10	10	1		
SHOULDER(S)				3	3	3	3		59	59		10	69	12		
TRUNK, NEC				1	1	1	1		10	10		10	10	1		
THIGH				2	2	2	2		20	20		10	30	2		
KNEE				7	7	7	7		69	69		10	79	21		
LOWER LEG				1	1	1	1		10	10		10	10	1		
ANKLE				4	4	4	4		39	39		10	49	12		
FOOT				2	2	2	4		20	20		10	34	12		
LOWER EXTREMITIES, NEC				4	4	4	4		39	39		10	49	12		
BODY SYSTEMS				1	1	1	1		10	10		10	10	1		
MULTIPLE PARTS OF BODY				7	7	7	7		69	69		69	69	50		
TOTAL OR AVERAGE		2		79	81	81	104		797	797		246	1034	151		
INDEPENDENT SHOPS																
UPPER EXTREMITIES, NEC				2	2	2	2		538	538		146	684	102		
BACK				2	2	2	2		538	538		146	684	102		
FOOT				1	1	1	1		269	269		69	338	51		
LOWER EXTREMITIES, NEC				5	5	5	5		1346	1346		269	1615	261		
TOTAL OR AVERAGE																

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDI	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TOTAL NFDL											
		TOTAL	PARTIAL												
PROCESSING PLANTS															
EAR				12	12	12	1			1.93	16	16		8	8
EYE							18			96	2.89				
NOSE							1			16	16				
ELBOW							1			16	16				
FOREARM							1			16	16				
WRIST							2			32	32				
HAND				3	3	3	4			48	54		24	24	
FINGER(S)				8	8	8	12			1.45	48	1.93	45	45	
UPPER EXTREMITIES, NEC							1			16	16				
BACK				21	21	21	23			3.38	3.70		193	193	
CHEST				2	2	2	3			32	48		2	2	
PELVIC REGION				2	2	2	2			32	32		4	4	
SHOULDER(S)				2	2	2	2			32	32		16	16	
TRUNK, NEC				1	1	1	1			16	16		14	14	
KNEE				6	6	6	6			96	96		14	14	
LOWER LEG							1			16	16				
ANKLE				4	4	4	2			64	80		2	2	
FOOT				2	2	2	2			32	32		3	3	
LOWER EXTREMITIES, NEC				2	2	2	3			32	48		1	1	
MULTIPLE PARTS OF BODY				2	2	2	6			1.13	1.25		40	40	
TOTAL OR AVERAGE				72	72	72	97			11.73	15.59		410	410	

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					INCIDENCE RATES					SEVERITY MEASURES				
	FATAL	NFI			TOTAL FATAL AND NFI	NDI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NDI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI
		PERMANENT	TEMPORARY	TOTAL											
GRAND TOTAL OR AVERAGE				19	19		1		1	1 07		06			4
EAR							1		1						
EYE							9		9						
MOUTH/TEETH/TONGUE							2		2						
NOSE				1	1		1		1						1
FACE, NEC				1	1		1		1						1
HEAD, NEC				1	1		3		3						(*)
NECK				4	4		4		4						(*)
ELBOW				1	1		1		1						(*)
FOREARM							1		1						
WRIST				1	1		2		2						7
HAND				6	6		3		3						18
FINGER(S)				10	11		11		17						20
UPPER EXTREMITIES, NEC				3	4		4		6						26
ABDOMEN							1		2						3
BACK				42	42		42		46						152
CHEST				3	3		3		4						7
PELVIC REGION				7	8		8		8						11
SHOULDER(S)				5	5		5		5						11
TRUNK, NEC				2	2		2		2						8
THIGH				2	2		2		2						10
KNEE				13	13		13		13						4
LOWER LEG				1	1		1		2						17
ANKLE				8	8		8		10						1
FOOT				4	4		4		4						3
LOWER EXTREMITIES, NEC				7	7		7		7						7
BODY SYSTEMS							1		1						21
MULTIPLE PARTS OF BODY				14	14		14		15						65
TOTAL OR AVERAGE				154	154		154		208						605

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, 1991

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 INJU- RIES	FATAL	NFDI	ALL FATAL AND NFDI
		PERMANENT		TOTAL NFDI											
		TOTAL	PARTIAL												
UNDERGROUND MINES:															
UNDERGROUND:															
EAR				27	188	27	38	65	04	04	06	11		1	1
EYE				188	12	190	151	339	31	31	25	56		2	2
JAW				12	19	31	19	31	02	02	03	05		1	1
MOUTH/TEETH/TONGUE				26	26	52	88	114	04	04	14	19		(+)	(+)
NOSE				26	26	52	28	54	04	04	05	09		1	1
SCALP				3	3	6	3	6	(+)	(+)	(+)	01		(+)	(+)
SKULL	1					1	1	1	(+)	(+)	(+)	10	10		10
FACE, NEC				39	39	78	46	85	06	06	08	14		1	1
HEAD, NEC	4			110	111	221	104	219	01	18	17	36	39	9	48
NECK				358	359	717	64	423	59	59	10	61	22	22	22
UPPER ARM				14	14	28	3	17	02	02	(+)	03		1	1
ELBOW				118	118	236	19	137	19	19	03	22	7	7	7
FOREARM				64	66	130	38	104	11	11	06	17		17	17
WREST				120	120	240	30	150	20	20	05	25		7	7
HAND				301	301	602	151	452	49	49	25	74		15	15
FINGER(S)				665	703	1,368	538	1,241	1 15	1 15	88	2 03	38	38	38
UPPER EXTREMITIES, NEC	1			144	145	289	43	189	(+)	24	07	31	10	17	27
ABDOMEN				45	45	90	4	49		07	01	08		1	1
BACK				2 417	2 419	4 836	181	2 600	3 96	3 96	30	4 26	243	243	243
CHEST	4			147	147	294	14	165	01	24	02	27	39	6	46
PELVIC REGION				179	229	408	23	252	38	38	04	41	14	14	14
SHOULDER(S)				282	283	565	28	311	46	46	05	51	26	26	26
TRUNK, NEC	3			134	135	269	15	153	(+)	22	02	25	29	16	45
THIGH				55	55	110	20	75	09	09	03	12		3	3
KNEE				777	777	1 554	64	841	1 27	1 27	10	1 38		58	58
LOWER LEG				68	70	138	10	80		11	11	13		16	16
ANKLE				289	289	578	13	302	47	47	02	49		14	14
FOOT				342	345	687	29	374	57	57	05	61		21	21
TOE(S)				37	42	79	11	53	07	07	02	09		4	4
LOWER EXTREMITIES, NEC				216	216	432	42	111	07	07	04	40		18	18
BODY SYSTEMS	9			26	26	52	4	39	35	35	04	40	88	2	91
MULTIPLE PARTS OF BODY	17			569	569	1 138	64	650	01	04	06	01	167	58	225
UNCLASSIFIED				3	3	6		3	03	93	10	1 06		(+)	(+)
TOTAL OR AVERAGE	39	1	106	7 801	7 908	7 947	1 870	9 817	06	12 96	13 02	3 06	383	641	1 024

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENT RATES					SEVERITY MEASURES				
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJURY RATES	FATAL	NFI	ALL FATAL AND NFI	
		PERMANENT		TEMPORARY												
		TOTAL	PARTIAL													
SURFACE AT UNDERGROUND																
FACE			3	3	3	24	3		04	04	38		1	1	1	
EYE			17	17	17	1	41		27	27						
JAW			2	2	2	4	6		03	03	06		(*)	(*)	(*)	
MOUTH			1	1	1	2	3		02	02	03		(*)	(*)	(*)	
NOSE			3	3	3	7	11		06	06	11		1	1	1	
FACE NFI			4	4	4	18	24		18	18	24		4	4	4	
HEAD NFI			11	11	11	18	29		10	10	02		4	4	4	
HEAD NFI			6	6	6	1	7		02	02	02		1	1	1	
NECK			1	1	1	1	11		16	16	02		1	1	1	
UPPER ARM			10	10	10	4	13		14	14	06		2	2	2	
FOREARM			9	9	9	2	9		11	11	03		2	2	2	
FOREARM			7	7	7	2	9		27	27	14		5	5	5	
HAND			17	17	17	17	34		44	44	15		23	23	23	
UPPER EXTREMITIES, NFI			32	32	32	4	104		34	34	06		4	4	4	
ABDOMEN			3	3	3	17	20		06	06	27		2	2	2	
BACK			215	215	215	1	216		43	43	27		181	181	181	
THORST			6	6	6	1	8		10	10	02		2	2	2	
PELVIS REGION			21	21	21	1	22		33	33	02		14	14	14	
SHOULDER			19	19	19	4	23		30	30	06		22	22	22	
TRUNK NFI			12	12	12	1	13		19	19	02		13	13	13	
THIGH			3	3	3	1	4		05	05	02		(*)	(*)	(*)	
KNEE			46	46	46	7	53		73	73	11		49	49	49	
LOWER LEG			6	6	6	2	8		10	10	03		10	10	10	
ANKLE			20	20	20	4	24		32	32	06		7	7	7	
FOOT			18	18	18	2	20		24	24	01		10	10	10	
TOE			3	3	3	2	5		05	05	01		(*)	(*)	(*)	
LOWER EXTREMITIES, NFI			7	7	7	3	10		11	11	05		4	4	4	
TOE NFI			6	6	6	3	9		10	10	03		(*)	(*)	(*)	
MULTIPLE PARTS OF BODY			42	42	42	5	47		67	67	03		54	54	54	
TOTAL ON AVERAGE	4	12	551	563	565	202	767	04	844	848	322	383	423	805	805	

TABLE 5B. NUMBER OF INJURIES, INCIDENT RATE, AND SEVERITY MEASURE, BY DEGREE OF WORK LOCATION AND PART OF BODY INJURED AT BIRMINGHAM STEEL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENT RATES						SEVERITY MEASURES		
	FATAL	NON-FATAL			TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	FATAL	NON-FATAL	TOTAL FATAL AND NON-FATAL	ALL INJURY RATES	FATAL	NON-FATAL	ALL FATAL AND NON-FATAL		
		FATAL	PERMANENT											TOTAL NON-FATAL	
			TOTAL	PARTIAL											
															TEMPORARY
TOTAL OR AVERAGE															
EAR				60	30	30	68	04	04	08	10	1	1	1	
EYE				205	205	205	480	30	30	26	26	2	2	2	
ARM				12	12	12	32	02	02	03	03	1	1	1	
HEAD/NECK/LUNG				28	28	28	120	04	04	14	14	(*)	(*)	(*)	
NOSE				27	27	27	57	04	04	04	08	1	1	1	
SKIN				3	3	3	6	(*)	(*)	(*)	01	(*)	(*)	(*)	
SCALP				3	3	3	1	(*)	(*)	(*)	01	(*)	(*)	(*)	
FACE				43	43	43	96	06	06	08	14	9	9	9	
HEAD, NEI				122	122	122	248	18	18	18	17	36	36	36	
NECK				364	364	364	430	54	54	10	64	20	20	20	
UPPER ARM				15	15	15	18	02	02	(*)	03	1	1	1	
ELBOW				128	128	128	148	19	19	03	22	7	7	7	
FOREARM				75	75	75	117	11	11	06	17	15	15	15	
WRIST				127	127	127	159	19	19	05	24	6	6	6	
HAND				318	318	318	486	47	47	25	72	14	14	14	
UPPER EXTREMITIES, NEI				697	740	740	1,350	1	1	91	2	36	36	36	
INDEX				154	154	154	202	23	23	07	30	25	25	25	
ARM/ARM				48	48	48	52	07	07	01	08	1	1	1	
SHOULDER				2,832	2,832	2,832	2,832	3	3	91	29	347	347	347	
ELBOW				153	153	153	173	24	24	02	26	45	45	45	
UPPER REGION				195	195	195	274	37	37	04	41	14	14	14	
SHOULDER				301	301	301	354	45	45	05	50	26	26	26	
TRUNK, NEI				146	147	147	166	22	22	02	25	15	15	15	
TORSO				58	58	58	79	09	09	03	12	3	3	3	
KNEE				823	823	823	894	1	1	22	11	57	57	57	
LOWER LIMB				74	76	76	88	11	11	02	13	16	16	16	
ANKLE				309	309	309	326	46	46	03	48	14	14	14	
FOOT				363	363	363	394	54	54	05	59	20	20	20	
TOE				40	40	40	56	07	07	02	06	4	4	4	
LOWER EXTREMITIES, NEI				274	274	274	250	33	33	04	37	17	17	17	
FOOT SYSTEM				32	32	32	48	05	05	01	07	80	80	80	
MULTIPLE PARTS OF BODY				611	611	611	697	03	03	94	10	178	178	178	
UNCLASSIFIED				3	3	3	3	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
TOTAL OR AVERAGE				8,429	8,429	8,429	10,584	1,758	1,758	3	3	620	620	620	
				2,972	2,972	2,972	3								
				110	110	110	383								

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFI			TOTAL FATAL AND NFI	NDI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NDI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI
		PERMANENT		TEMPO RARY											
		TOTAL	PARTIAL												
SURFACE MINES															
STRIP															
EAR				2	2	2	5	7		(*)	(*)	01	02		(*)
EYE				60	60	60	107	167		15	15	26	41		(*)
JAW				3	3	3	6	9		01	01	01	02		(*)
MOUTH/TEETH/TONGUE				1	1	1	17	18		(*)	(*)	04	04		(*)
NOSE				2	2	2	5	7		(*)	(*)	01	02		(*)
SCALP							1	1				(*)	(*)		(*)
FACE, NEC				8	8	8	11	19		02	02	03	05		(*)
HEAD, NEC	1			21	21	22	32	54	(*)	05	05	08	13	15	1
NECK				33	33	33	9	42		08	08	02	10		3
UPPER ARM				4	4	4	2	6		01	01	(*)	01		(*)
ELBOW				20	20	20	4	24		05	05	01	06		1
FOREARM				9	9	9	14	23		02	02	03	06		1
WRIST				17	17	17	10	27		04	04	02	07		1
HAND				26	26	26	48	74		06	06	12	18		1
FINGER(S)			9	85	94	94	175	269		23	23	43	66		7
UPPER EXTREMITIES, NEC	1			28	28	29	13	42	(*)	07	07	03	10	15	2
ABDOMEN				4	4	4	5	9		01	01	01	02		(*)
BACK			1	400	401	401	51	452		98	98	12	110		49
CHEST				37	37	37	13	50		09	09	03	12		2
PELVIC REGION			10	30	40	40	7	47		10	10	02	11		4
SHOULDER(S)				49	49	49	9	58		12	12	02	14		4
TRUNK, NEC				30	30	30	7	37		07	07	02	09		1
THIGH				7	7	7	6	13		02	02	01	03		(*)
KNEE				99	99	99	18	117		24	24	04	29		8
LOWER LEG				26	26	26	12	38		06	06	03	09		5
ANKLE				78	78	78	12	90		19	19	03	22		4
FOOT				52	52	52	11	63		13	13	03	15		4
TOE(S)				8	8	8	5	13		02	02	01	03		(*)
LOWER EXTREMITIES, NEC				41	41	41	12	53		10	10	03	13		4
BODY SYSTEMS	1			7	7	8	3	11	(*)	02	02	01	03	15	(*)
MULTIPLE PARTS OF BODY	4			156	156	160	28	188	01	38	39	07	46	59	19
TOTAL OR AVERAGE	7		20	1,343	1,363	1,370	658	2,028	02	3.33	3.34	1.61	4.95	103	123
AUGER															
EYE				1	1	1	1	2		31	31	31	62		1
MOUTH/TEETH/TONGUE							1	1				31	31		
FACE, NEC				1	1	1	1	1		31	31		31		1
HEAD, NEC				1	1	1	1	1		31	31		31		2
ELBOW				1	1	1	2	3		31	31	62	93		1
FINGER(S)				3	3	3	3	6		93	93	93	186		8
UPPER EXTREMITIES, NEC				1	1	1	1	2		31	31	31	62		2
BACK				1	1	1	3	4		31	31	93	124		(*)
CHEST				1	1	1	1	1		31	31		31		8
PELVIC REGION			1	1	2	2	2	2		62	62		62	20	2
SHOULDER(S)				1	1	1	1	1		31	31		31		2
TRUNK, NEC				3	3	3	1	4		93	93	31	124		52
KNEE				4	4	4		4		124	124		124		35
LOWER LEG				2	2	2		2		62	62		62		49
LOWER EXTREMITIES, NEC				1	1	1	1	2		31	31	31	62		30
MULTIPLE PARTS OF BODY				2	2	2	2	4		62	62	62	124		75
TOTAL OR AVERAGE			1	24	25	25	15	40		7.75	7.75	4.65	12.41		287

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, 1991 (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 INJURY RATES	FATAL	NFDI	ALL FATAL AND NFDI
		PERMANENT		TEMPO- RARY	TOTAL NFDI											
		TOTAL	PARTIAL													
CULM BANK																
EYE				1	1	1	1	2		77	77	77	1 55		2	2
HEAD, NEC				1	1	1	1	1		77	77	77	77		11	11
NECK				1	1	1	1	1		77	77	77	77		25	25
HAND							1	1				77	77			
FINGER(S)				1	1	1	1	1		77	77	77	77		1	1
UPPER EXTREMITIES, NEC				3	3	3	3	3		2 32	2 32		2 32		66	66
BACK				1	2	2	2	2		1 55	1 55		1 55		51	51
PELVIC REGION		1		1	1	1	1	1		77	77		77		5	5
ANKLE				1	1	1	1	1		77	77		77		2	2
BODY SYSTEMS				1	1	1	1	1		77	77		77		37	37
MULTIPLE PARTS OF BODY				1	1	1	1	1		77	77		77		199	199
TOTAL OR AVERAGE		1		11	12	12	3	15		9 27	9 27	2 32	11 59			
ORLO, L																
FINGER(S)							1	1				1 78	1 78			
BACK				1	1	1	1	1		1 78	1 78	1 78	1 78		96	96
LOWER LEG				1	1	1	1	1		1 78	1 78	1 78	1 78		565	565
MULTIPLE PARTS OF BODY				2	2	2	3	5		3 56	3 56	5 34	8 91		661	661
TOTAL OR AVERAGE				2	2	2	3	5								

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					INCIDENCE RATES					SEVERITY MEASURES				
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJU- RIES	FATAL	NFI	ALL FATAL AND NFI
		PERMANENT	TEMPO- RARY	TOTAL NFI											
TOTAL OR AVERAGE, SURFACE															
EAR			2	2	2	5	7		(*)	(*)	01	02		(*)	(*)
EYE			62	62	62	110	172		15	15	27	41		(*)	(*)
JAW			3	3	3	6	9		01	01	01	02		(*)	(*)
MOUTH/TEETH/TONGUE			1	1	1	18	19		(*)	(*)	04	05		(*)	(*)
NOSE			2	2	2	5	7		(*)	(*)	01	02		(*)	(*)
SCALP						1	1				(*)	(*)			
FACE, NEC			9	9	9	11	20		02	02	03	05		(*)	(*)
HEAD, NEC	1		23	23	24	32	56	(*)	06	06	08	14	14	1	15
NECK			34	34	34	9	43		08	08	02	10	3	3	(*)
UPPER ARM			4	4	4	2	6		01	01	(*)	01		(*)	(*)
ELBOW			21	21	21	6	27		05	05	01	07		1	1
FOREARM			9	9	9	14	23		02	02	03	06		1	1
WRIST			17	17	17	10	27		04	04	02	07		1	1
HAND			26	26	26	49	75		06	06	12	18		7	7
FINGER(S)		9	88	97	97	180	277		23	23	43	67	14	(*)	(*)
UPPER EXTREMITIES, NEC	1		30	30	31	14	45	(*)	07	07	03	11		2	17
ABDOMEN			4	4	4	5	9		01	01	01	02		(*)	(*)
BACK		1	405	406	406	54	460		98	98	13	11		49	49
CHEST			38	38	38	13	51		09	09	03	12		2	2
PELVIC REGION		12	32	44	44	7	51		11	11	02	12		4	4
SHOULDER(S)			50	50	50	9	59		12	12	02	14		4	4
TRUNK, NEC			33	33	33	8	41		08	08	02	10		2	(*)
THIGH			7	7	7	6	13		02	02	01	03		(*)	(*)
KNEE			103	103	103	18	121		25	25	04	29	8	8	8
LOWER LEG			28	28	28	13	41		07	07	03	10		5	5
ANKLE			79	79	79	12	91		19	19	03	22		4	4
FOOT			52	52	52	11	63		13	13	03	15		4	4
TOE(S)			8	8	8	5	13		02	02	01	03		(*)	(*)
LOWER EXTREMITIES, NEC	1		42	42	42	13	55		10	10	03	13	14	(*)	15
BODY SYSTEMS	4		8	8	9	3	12	(*)	02	02	01	03	58	20	78
MULTIPLE PARTS OF BODY			160	160	164	30	194	01	39	40	07	47			
TOTAL OR AVERAGE	7	22	1,380	1,402	1,404	679	2,088	02	338	340	164	503	101	125	226

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, 1991 (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 INJU- RIES	FATAL	NFDI	ALL FATAL AND NFDI		
		PERMANENT	TEMPO- RARY	TOTAL NFDI													
																TOTAL	PARTIAL
TOTAL OR AVERAGE, MINING																	
EAR				32	32	32	75		03	03	04	07		1	1		
EYE				267	267	267	552		25	25	26	51		1	1		
JAW				15	15	15	41		01	01	02	04		(*)	(*)		
MOUTH/TEETH/TONGUE				29	29	29	139		03	03	10	13		(*)	(*)		
NOSE				29	29	29	64		03	03	03	06		(*)	(*)		
SCALP				3	3	3	7		(*)	(*)	(*)	01		(*)	(*)		
SKULL	1					1	1	(*)	(*)	(*)	(*)	(*)	6		6		
FACE, NEC				52	52	52	116		05	05	06	11		1	1		
HEAD, NEC	5			144	145	150	304	(*)	13	14	14	28	28		33		
NECK				398	399	399	473		37	37	07	43		14	14		
UPPER ARM				19	19	19	5		02	02	(*)	02		1	1		
ELBOW				149	149	149	175		14	14	02	16		5	5		
FOREARM		2		82	84	84	140		08	08	05	13		10	10		
WREST				144	144	144	186		13	13	04	17		4	4		
HAND				344	344	344	561		32	32	20	52		9	9		
FINGERS				785	837	837	1,627		77	77	73	150		25	25		
UPPER EXTREMITIES, NEC	2			183	184	186	247	(*)	17	17	06	23	11		22		
ABDOMEN				52	52	52	61		05	05	01	06		1	1		
BACK		1	2	3,037	3,040	252	3,292		279	279	23	303		166	166		
CHEST	5			191	191	195	224	(*)	18	18	03	21	28		32		
PELVIC REGION		67		227	294	294	325		27	27	03	30		10	10		
SHOULDER(S)				351	352	352	411		32	32	04	36		18	18		
TRUNK, NEC	3			179	180	183	207	(*)	17	17	02	19	17		27		
THIGH				65	65	65	92		06	06	02	08		2	2		
KNEE				926	926	89	1,015		85	85	08	93		39	39		
LOWER LEG				102	104	104	129		10	10	02	12		12	12		
ANKLE				388	388	388	417		36	36	03	38		10	10		
FOOT				412	415	415	457		38	38	04	42		14	14		
TOE(S)				48	53	53	69		05	05	01	06		2	2		
LOWER EXTREMITIES, NEC				265	265	265	305		24	24	04	28		12	12		
BODY SYSTEMS	10			40	40	50	60	01	04	05	01	06	55		56		
MULTIPLE PARTS OF BODY	24			771	771	795	891	02	71	73	09	82	132	44	176		
UNCLASSIFIED				3	3	3	3		(*)	(*)	(*)	(*)		(*)	(*)		
TOTAL OR AVERAGE	50	1	138	9,732	9,871	9,921	12,672	05	907	912	253	1165	276	432	707		

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			
	FATAL	PERMANENT			TOTAL NFI	TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJU- RIES	FATAL	NFI	ALL FATAL AND NFI
		TOTAL	PARTIAL													
			TEMPO- RARY	TOTAL NFI												
INDEPENDENT SHOPS																
EYE				1	1	1	1	19		10	10	1 75	1 84		(*)	(*)
FACE, NEC				2	2	2	2	4		19	19	19	39		2	2
HEAD, NEC	1			1	1	1	1	3		10	10	10	29	582	5	587
ELBOW				4	4	4	4	4		39	39	39	39		13	13
HAND				4	4	4	4	2		39	39	19	19		6	6
FINGER(S)				2	2	2	2	13		19	19	1 26	1 65		2	2
UPPER EXTREMITIES, NEC				21	21	21	21	27		2 04	2 04	58	2 62		75	75
BACK				1	1	1	1	6		10	10	10	10		2	2
CHEST				1	1	1	1	1		19	19	19	19		7	7
PELVIC REGION			1	2	2	2	2	2		19	19	19	19		42	42
SHOULDER(S)				2	2	2	2	2		19	19	19	19		7	7
TRUNK, NEC				3	3	3	3	4		29	29	39	68		16	16
KNEE				1	1	1	1	1		10	10	10	10		2	2
LOWER LEG				1	1	1	1	1		10	10	10	10		(*)	(*)
FOOT				4	4	4	4	4		39	39	39	39		41	41
BODY SYSTEMS				51	51	51	51	99		4 95	5 05	4 56	9 61		220	220
MULTIPLE PARTS OF BODY	1		1	1	1	1	1	47		10	4 95	5 05	9 61	582	41	802
TOTAL OR AVERAGE																

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, 1991 (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				3	3	3	1	4		02	02	01	03		(*)	(*)
EYE				35	35	35	40	75		25	25	29	54		1	1
JAW							1	1				01	01			
MOUTH/TEETH/TONGUE				2	2	2	8	10		01	01	06	07		(*)	(*)
NOSE				1	1	1	2	3		01	01	01	02		(*)	(*)
SCALP							1	1				01	01			
SKULL	1					1		1	01		01		01	44		44
FACE, NEC				6	6	6	4	10		04	04	03	07		1	1
HEAD, NEC				11	11	11	20	31		08	08	15	22		3	3
NECK				26	26	26	1	27		19	19	01	20		6	6
UPPER ARM				1	1	1	1	2		01	01	01	01		1	1
ELBOW				12	12	12	4	16		09	09	03	12		3	3
FOREARM				3	3	3	5	8		02	02	04	06		1	1
WRIST				9	9	9	2	11		07	07	01	08		3	3
HAND				19	19	19	22	41		14	14	16	30		3	3
FINGER(S)			4	58	62	62	79	141		45	45	57	102		10	10
UPPER EXTREMITIES, NEC				12	12	12	6	18		09	09	04	13		3	3
ABDOMEN				5	5	5		5		04	04		04		(*)	(*)
BACK			2	218	220	220	15	235		1 60	1 60	11	1 71		81	81
CHEST				16	16	16	2	18		12	12	01	13		5	5
PELVIC REGION			9	28	37	37	3	40		27	27	02	29		9	9
SHOULDER(S)				27	27	27	1	28		20	20	01	20		10	10
TRUNK, NEC	1			8	8	9	2	11	01	06	07	01	08	44	2	46
THIGH				6	6	6	3	9		04	04	02	07		2	2
KNEE				61	61	61	8	69		44	44	06	50		19	19
LOWER LEG			1	7	8	8	4	12		06	06	03	09		25	25
ANKLE				36	36	36	3	39		26	26	02	28		5	5
FOOT				25	25	25	2	27		18	18	01	20		6	6
TOE(S)				8	8	8	1	9		06	06	01	07		1	1
LOWER EXTREMITIES, NEC				18	18	18	5	23		13	13	04	17		4	4
BODY SYSTEMS				6	6	6	2	8		04	04	01	06		(*)	(*)
MULTIPLE PARTS OF BODY	1			63	63	64	7	71	01	46	46	05	52	44	24	68
UNCLASSIFIED				1	1	1		1		01	01		01		(*)	(*)
TOTAL OR AVERAGE	3		16	731	747	750	255	1,005	02	5 42	5 44	1 85	7 29	131	230	360

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						TOTAL INJURIES	INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI		FATAL	NFDI	ALL FATAL AND NFDI	NDI	ALL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI
		PERMANENT		TEMPORARY											
		TOTAL	PARTIAL												
TOTAL OR AVERAGE	54	1	155	10,513	10,669	10,723	3,053	13,776	04	8,63	8,68	2,47	11,15	407	669
ALL MINES AND PLANTS															
EAR				35	303	35	44	79		03	03	04	06	1	1
EYE				303	303	303	343	646		25	25	28	52	1	1
JAW				15	15	15	175	338		01	01	02	03	(*)	(*)
MOUTH/TEETH/TONGUE				31	31	31	75	500		03	03	10	12	(*)	(*)
NOSE				30	30	30	6	26		02	02	03	05	(*)	(*)
SCALP				3	3	3	5	8		(*)	(*)	(*)	01	(*)	(*)
SKULL	2					2		2	(*)	(*)	(*)	(*)	(*)	(*)	(*)
FACE, NEC				60	60	60	70	130		05	05	06	11	1	1
HEAD, NEC	6			156	157	163	175	338	(*)	13	13	14	27	1	1
NECK				424	425	425	75	500		34	34	06	40	5	34
UPPER ARM				20	20	20	6	26		02	02	(*)	02	1	13
ELBOW				165	165	165	30	195		13	13	02	16	5	5
FOREARM				85	87	87	61	148		07	07	05	12	9	9
WRIST				153	153	153	44	197		12	12	04	16	4	4
HAND				363	363	363	241	604		29	29	19	49	8	8
FINGER(S)				847	803	903	882	1,785		73	73	71	144	23	23
UPPER EXTREMITIES, NEC	2			197	198	200	67	267	(*)	16	16	05	22	10	19
ABDOMEN				57	57	57	9	66		05	05	01	05	1	1
BACK				3,276	3,281	3,281	273	3,554		2,65	2,65	2,72	88	155	155
CHEST	5			208	213	213	30	243	(*)	17	17	02	20	4	4
PELVIC REGION				256	333	333	34	367		27	27	03	30	10	10
SHOULDER(S)				380	381	381	42	423		31	31	03	34	17	17
TRUNK, NEC	4			189	190	194	26	220	(*)	15	15	02	18	9	29
THIGH				71	71	71	30	101		06	06	02	08	2	2
KNEE				990	990	990	101	1,091		80	80	08	88	36	36
LOWER LEG				110	113	113	29	142		09	09	02	11	13	13
ANKLE				424	424	424	32	456		34	34	03	37	9	9
FOOT				438	441	441	44	485		36	36	04	39	13	13
TOE(S)				56	61	61	17	78		05	05	01	06	2	2
LOWER EXTREMITIES, NEC				283	283	283	45	328		23	23	04	27	17	17
BODY SYSTEMS	10			46	46	56	13	65		04	04	05	06	1	50
MULTIPLE PARTS OF BODY	25			838	838	863	103	966		68	68	70	78	41	163
UNCLASSIFIED				4	4	4		4		(*)	(*)	(*)	(*)	(*)	(*)
TOTAL OR AVERAGE	54	1	155	10,513	10,669	10,723	3,053	13,776	04	8,63	8,68	2,47	11,15	407	669

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES						
	FATAL	PERMANENT			TEMPORARY		TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI			
		TOTAL	PARTIAL	TOTAL	NFI	FATAL											NFI	ALL FATAL AND NFI	NFI
OFFICE																			
EYE																			
ELBOW																			
WREST																			
HAND																			
FINGER(S)																			
UPPER EXTREMITIES, NEC																			
BACK																			
SHOULDER(S)																			
TRUNK, NEC																			
KNEE																			
LOWER LEG																			
ANKLE																			
FOOT																			
TOE(S)																			
MULTIPLE PARTS OF BODY																			
TOTAL OR AVERAGE																			
GRAND TOTAL OR AVERAGE																			
EAR																			
EYE																			
JAW																			
MOUTH/TEETH/TONGUE																			
NOSE																			
SCALP																			
SKULL																			
FACE, NFI																			
HEAD, NFI																			
NECK																			
UPPER ARM																			
ELBOW																			
FOREARM																			
WREST																			
HAND																			
FINGER(S)																			
UPPER EXTREMITIES, NEC																			
ABDOMIN																			
BACK																			
CHEST																			
PELVIC REGION																			
SHOULDER(S)																			
TRUNK, NEC																			
THIGH																			
KNEE																			
LOWER LEG																			
ANKLE																			
FOOT																			
TOE(S)																			
UPPER EXTREMITIES, NEC																			
LOWER EXTREMITIES, NEC																			
BODY SYSTEMS																			
MULTIPLE PARTS OF BODY																			
UNCLASSIFIED																			
TOTAL OR AVERAGE																			

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL COAL OPERATIONS IN THE UNITED STATES, 1951

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	FATAL	MEDI			TOTAL FATAL AND MEDI	MEDI	FATAL	PERMANENT		TOTAL FATAL AND MEDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND MEDI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		TOTAL	PARTIAL	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	METH			TOTAL FATAL AND METH	MIX	TOTAL INJURIES	FATAL	METH			TOTAL FATAL AND METH	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND METH
		PERMANENT	TEMPORARY	TOTAL					PERMANENT	PARTIAL	TOTAL				
SURFACE AT UNDERGROUND		3	17	20	3	24	3			40	76		13		13
EAR							41						4		4
EYE		2	2	4	2	4	6			3	3		2		2
JAW		1	1	2	1	2	3			68	68		17		17
MOUTH/TEETH/TONGUE		4	4	8	4	8	12			228	228		21		21
NOSE		11	11	22	11	22	33			259	259		43		43
FACE, NEC		6	6	12	6	12	18			58	58		58		58
HEAD, NEC		1	1	2	1	2	3			534	534		53		53
NECK		1	1	2	1	2	3			149	149		17		17
UPPER ARM		10	10	20	10	20	30			138	138		20		20
ELBOW		9	9	18	9	18	27			302	302		18		18
FOREARM		7	7	14	7	14	21			1,412	1,412		38		38
WRIST		32	32	64	32	64	96			239	239		27		27
HAND		9	9	18	9	18	27			113	113	175	38		38
FINGER(S)		3	3	6	3	6	9			11	11		53		53
UPPER EXTREMITIES, NEC		215	215	430	215	430	645			11,326	11,326		876		876
ABDOMEN		6	6	12	6	12	18			135	135		22		22
BACK		16	16	32	16	32	48			849	849	50	40		40
CHEST		19	19	38	19	38	57			1,383	1,383		73		73
PELVIC REGION		12	12	24	12	24	36			806	806		67		67
SHOULDER(S)		3	3	6	3	6	9			6	6		2		2
TRUNK, NEC		46	46	92	46	92	138			3,043	3,043		66		66
THIGH		6	6	12	6	12	18			602	602		100		100
KNEE		20	20	40	20	40	60			437	437		22		22
LOWER LEG		18	18	36	18	36	54			650	650		36		36
ANKLE		3	3	6	3	6	9			10	10		3		3
FOOT		7	7	14	7	14	21			255	255		36		36
TOE(S)		6	6	12	6	12	18			23	23		4		4
LOWER EXTREMITIES, NEC		42	42	84	42	84	126			3,371	3,371		80		80
BODY SYSTEMS	3				45	2	47	18,000		25,392	26,517	112	46		46
MULTIPLE PARTS OF BODY	4	10	551	565	565	202	767	24,000	1,125	25,392	26,517	112	46		46
TOTAL OR AVERAGE															

TABLE 9 NUMBER OF INJURIES, LOSI HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL TOTAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOSI HOURS						AVERAGE SEVERITY	
	FATAL	NON-FATAL		TOTAL	FATAL AND NON-FATAL	TOTAL INJURIES	FATAL	NON-FATAL		TOTAL	FATAL AND NON-FATAL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NON-FATAL
		PERMANENT	PARTIAL					PERMANENT	PARTIAL					
TOTAL OR AVERAGE U.S.														
FACE	36	36	36	36	36	68							23	23
EYE	206	206	206	206	206	381							7	7
ARM	12	12	12	12	12	32							35	35
MOULDER/HEAVY/CLIMBER	28	28	28	28	28	121							4	4
NOSE	27	27	27	27	27	57							16	16
SCALP	3	3	3	3	3	6							34	34
SKULL	1	1	1	1	1	1							6,000	6,000
FACE, NET	43	43	43	43	43	96							19	19
HEAD, NET	127	127	127	127	127	268							27	27
NECK	385	385	385	385	385	431							36	36
UPPER ARM	15	15	15	15	15	18							54	54
FOREARM	128	128	128	128	128	148							39	39
FOREARM, NET	23	23	23	23	23	117							44	44
WRIST	127	127	127	127	127	159							33	33
HAND	318	318	318	318	318	486							34	34
THUMB	240	240	240	240	240	292							30	30
INDEX	697	697	697	697	697	1,500							33	33
MIDDLE	153	153	153	153	153	202							107	107
UPPER EXTREMITIES, NET	48	48	48	48	48	52							16	16
ARM, NET	2,632	2,632	2,632	2,632	2,632	5,533							38	38
BACK	153	153	153	153	153	173							25	25
DEVELOPMENTAL	196	196	196	196	196	275							33	33
SHOULDER	303	303	303	303	303	334							37	37
SHOULDER, NET	146	146	146	146	146	166							58	58
THIGH	58	58	58	58	58	73							183	183
HAFT	823	823	823	823	823	994							80	80
LOWER LEG	74	74	74	74	74	88							47	47
ANKLE	310	310	310	310	310	327							138	138
FOOT	362	362	362	362	362	394							29	29
LOOSE	40	40	40	40	40	56							34	34
LOOSE, NET	223	223	223	223	223	251							54	54
LOWER EXTREMITIES, NET	32	32	32	32	32	48							40	40
HOOF SYSTEMS	613	613	613	613	613	689							249	249
MULTIPLE PARTS OF BODY	3	3	3	3	3	3							252	252
UNCLASSIFIED	9	9	9	9	9	3							39	39
TOTAL OR AVERAGE	43	1	116	8,359	8,476	2,074	293	6,000	37,226	374,604	477,912	321	45	79

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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, 1991 (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		TOTAL					TEMPO RARY	TOTAL NFDL							
		TOTAL	PARTIAL														
											TOTAL					PARTIAL	
CUM RANK																	
EYE		4		4	4	2	6			9		9		2	2	9	2
NOSE						1	1									14	14
HEAD, NEC		1		1	1	1	1			14		14		14	14	32	32
NECK		1		1	1	1	2			32		32		11	11	11	11
HAND		1		1	1	1	3			29		29		1	1	29	29
FINGER(S)		1		1	1	1	3			1		1		4,500	4,500	4,501	4,501
UPPER EXTREMITIES, NEC		4		4	4	1	5			92		92		23	23	23	23
BACK		2		2	2	3	5			37		37		18	18	29	29
PELVIC REGION		1		1	1	2	3			7		7		50	50	7	7
KNEE		2		2	2	2	4			12		12		4	4	4	4
ANKLE		2		2	2	1	3			3		3		6	6	6	6
BODY SYSTEMS		1		1	1	1	2			256		256		128	128	3	3
MULTIPLE PARTS OF BODY		2		2	2	8	32		4,550	503		5,053	2,275	23	23	211	211
TOTAL OR AVERAGE																	
DREDGE																	
EYE						1	1							54	54	54	54
FINGER(S)						1	1							317	317	317	317
BACK		1		1	1	1	1			54		54		186	186	186	186
LOWER LEG		1		1	1	1	1			317		317					
MULTIPLE PARTS OF BODY		2		2	2	3	5			371		371					
TOTAL OR AVERAGE																	

TABLE 9 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NFI	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDL		
		PERMANENT	TEMPORARY	TOTAL NFDL					TOTAL NFDL							
TOTAL	PARTIAL						TOTAL	PARTIAL								
TOTAL OR AVERAGE - SURFACE																
EAR					2	7	5	2	2				2	192	2	1
EYE					68	181	113	68	192				11	11		3
JAW					3	9	6	3	11				2	2		4
MOUTH/TEETH/TONGUE					1	19	18	1	2				42	42		2
NOSE					3	9	6	3	42							14
SCALP					3	1	1	1								
FACE NEC					10	22	12	10	118				118	118		12
HEAD NEC	1				24	60	35	24	281				281	281		12
NECK					37	47	10	37	1,471				1,471	1,471		40
UPPER ARM					4	6	2	4	116				116	116		29
ELBOW					22	28	6	22	467				467	467		21
FOREARM					9	23	14	9	298				298	298		33
WRIST					18	28	10	18	607				607	607		34
HAND					29	80	51	29	610				610	610		21
FINGER(S)					99	282	183	99	3,081				3,081	3,081	117	23
UPPER EXTREMITIES, NEC	1				32	48	15	32	5,652				5,652	5,652	4,500	37
ABDOMEN					5	11	6	5	77				77	77		15
BACK					424	480	56	424	18,122				21,122	21,122	3,000	43
CHEST					39	52	13	39	663				663	663		17
PELVIC REGION					49	56	7	49	1,825				1,825	1,825	50	33
SHOULDER(S)					53	62	9	53	1,704				1,704	1,704		32
TRUNK NEC					34	42	8	34	861				861	861		25
THIGH					9	15	6	9	143				143	143		16
KNEE					110	128	18	110	3,486				3,486	3,486		32
LOWER LEG					29	42	13	29	2,253				2,253	2,253		78
ANKLE					82	95	13	82	1,613				1,613	1,613		20
FOOT					54	67	13	54	1,658				1,658	1,658		31
TOE(S)					8	13	5	8	125				125	125		16
LOWER EXTREMITIES, NEC	1				46	59	13	46	1,879				1,879	1,879		41
BODY SYSTEMS	4				8	13	4	8	53				53	53		7
MULTIPLE PARTS OF BODY					165	199	30	165	8,736				8,736	8,736		53
TOTAL OR AVERAGE	7	24	1,452	1,476	1,483	2,184	701	9,200	49,950	101,150	363		59,150	101,150		34

[illegible]

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI		
		PERMANENT		TEMPO- RARY					TOTAL NFDI	PERMANENT						TEMPO- RARY	TOTAL NFDI
		TOTAL	PARTIAL							TOTAL	PARTIAL						
INDEPENDENT SHOPS																	
EYE				1	1	1	18	19				2	2	2		2	2
FACE, NEC				2	2	2	2	4				24	24	24		12	12
HEAD, NEC	1			1	1	2	1	3	6,000			49	49	6,049		49	3,024
ELBOW				4	4	4		4				132	132	132		33	33
HAND							2	2									
FINGER(S)				4	4	4	13	17				61	61	61		15	15
UPPER EXTREMITIES, NEC				4	4	4		4				104	104	104		26	26
BACK				23	23	23	6	29				1,169	1,169	1,169		51	51
CHEST				1	1	1		1				21	21	21		21	21
PELVIC REGION			1	1	2	2		2			50	20	70	70	50	20	35
SHOULDER(S)				2	2	2		2				429	429	429		214	214
TRUNK, NEC				2	2	2		2				71	71	71		36	36
KNEE				3	3	3	4	7				166	166	166		55	55
LOWER LEG				1	1	1		1				18	18	18		18	18
FOOT				1	1	1	1	2				5	5	5		5	5
LOWER EXTREMITIES, NEC				1	1	1		1				97	97	97		97	97
BODY SYSTEMS							1	1									
MULTIPLE PARTS OF BODY				4	4	4		4				421	421	421		105	105
TOTAL OR AVERAGE	1		1	55	56	57	48	105	6,000		50	2,789	2,839	8,839	50	51	155

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY						
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI			
		PERMANENT	TEMPO RARY	TOTAL NFDI				PERMANENT		TOTAL NFDI							
								TOTAL	PARTIAL								
															TOTAL	PARTIAL	
PROCESSING PLANTS																	
EAR			3	3	3	5								41	41		14
EYE			47	47	47	93								143	143		3
JAW						1											
MOUTH, TEETH, TONGUE			2	2	2	10											8
NOSE			1	1	1	4								15	15		6
SCALP						1											
SKULL			6	6	6	1		6,000									
FACE, NEC			11	11	11	10								70	70		12
HEAD, NEC			26	26	26	31								400	400		36
NECK			1	1	1	27								786	786		30
UPPER ARM			12	12	12	2								203	203		203
ELBOW			3	3	3	17								433	433		36
FOREARM			9	9	9	13								130	130		43
Wrist			22	22	22	45								425	425		47
HAND			66	66	66	23								589	589		27
FINGER(S)		5	12	12	12	82			620					1,605	1,605		23
UPPER EXTREMITIES, NEC			5	5	5	7								354	354		30
ARM(S)			238	241	241	17								68	68		14
Wrist		2	18	18	18	26			609					11,805	12,414		49
SHOULDER(S)		9	30	33	33	3			450					666	666		37
TRUNK, NEC			29	29	29	30								1,297	1,297		28
THIGH			9	9	9	12								1,401	1,401		48
HAIR			6	6	6	9								335	6,335		37
LOWER LEG			67	67	67	8								221	2,221		37
ANKLE			7	7	7	13								2,667	2,667		40
FOOT			40	40	40	44								492	3,492	3,000	70
TOE(S)			27	27	27	2								688	688		17
LOWER EXTREMITIES, NEC			8	8	8	29								911	911		34
BODY SYSTEMS			20	20	20	9								188	188		24
MULTIPLE PARTS OF BODY			6	6	6	26								618	618		31
UNCLASSIFIED			70	70	70	8								57	57		10
TOTAL OR AVERAGE	3	17	803	820	823	279	18,000	4,679		29,530	34,209	275		9,917	9,917		37

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER of INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFI				TOTAL FATAL AND NFI	TOTAL INJURIES	NFI	FATAL	PERMANENT		TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	PERMA PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		TOTAL		PARTIAL						TOTAL	TEMPORARY					
		TOTAL	PARTIAL	TOTAL	PARTIAL											
TOTAL OR AVERAGE																
ALL MINES AND PLANTS																
EAR																
EYE																
ARM																
TOOTH/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)																
THUMB NEC																
THIGH																
KNEE																
LOWER LEG																
ANKLE																
FOOT																
TOE(S)																
LOWER EXTREMITIES NEC																
BODY SYSTEMS																
MULTIPLE PARTS OF BODY																
UNCLASSIFIED																
TOTAL OR AVERAGE																

TABLE 9. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES				TOTAL INJURIES	FATAL	LOST WORKDAYS				AVERAGE SEVERITY				
	FATAL	NFI					FATAL	PERMANENT	TEMPORARY	TOTAL NFI	TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	
		TOTAL	PARTIAL	TOTAL											TOTAL FATAL AND NFI
OFFICE															
EYE					2								10		
ELBOW			1		1										
WRIST					3								4		
HAND															
FINGERS					3										
UPPER EXTREMITIES, NEC					1								63		
BACK			12		12								66		
SHOULDER(S)			2		2								81		
TRUNK, NEC			1		1								129		
KNIFE			5		5								2		
LOWER LEG			1		1								76		
ANKLE			1		1								76		
FOOT			1		1								10		
TOE(S)			1		1								17		
MULTIPLE PARTS OF BODY			1		1								52		
TOTAL OR AVERAGE			29		29								62		
													1,796		
													1,796		
GRAND TOTAL OR AVERAGE															
EAR			35		35								21		
EYE			322		322								6		
JAW			15		15								29		
MOUTH/TEETH/TONGUE			31		31								5		
NOSE			31		31								16		
SCALP			3		3								34		
SKULL					2								6,000		
FACE, NEC			61		61								17		
HEAD, NEC			157		157								2,400		
NECK			428		428								2,400		
UPPER ARM			20		20								13,324		
ELBOW			166		166								1,127		
FOREARM			85		85								6,032		
WRIST			155		155								3,656		
HAND			369		369								5,392		
FINGER(S)			860		860								10,713		
UPPER EXTREMITIES, NEC			917		917								29,317		
ABDOMEN			200		200								16,624		
BACK			58		58								28,921		
CHEST			3,335		3,335								195,195		
PELVIC REGION			211		211								35,307		
SHOULDER(S)			341		341								12,448		
TRUNK, NEC			387		387								21,137		
THIGH			192		192								600		
KNIFE			73		73								35,762		
LOWER LEG			1,008		1,008								2,101		
ANKLE			115		115								45,624		
FOOT			433		433								45,624		
TOE(S)			443		443								16,230		
LOWER EXTREMITIES, NEC			57		57								11,507		
BODY SYSTEMS			290		290								15,994		
MULTIPLE PARTS OF BODY			46		46								375		
UNCLASSIFIED			853		853								345		
TOTAL OR AVERAGE			1		158								43		
													839,906		
													839,906		
													458,749		
													324		

TABLE 9A. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ANTHRACILITE COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	NFI			FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI		
								PERMANENT	PARIAL	TEMPO RARY						
	FATAL	PERMANENT	PARIAL	TEMPO RARY	FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	PERMANENT	PARIAL	TEMPO RARY	TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI	
UNDERGROUND MINES																
UNDERGROUND																
EYE																
NOSE/TEETH/TONGUE																
NECK																
BACK																
PRIVATE REGION																
ANKLE																
LOWER EXTREMITIES, NEC																
MULTIPLE PARTS OF BODY																
TOTAL OR AVERAGE																
101A OR AVERAGE, US																
EYE																
NOSE/TEETH/TONGUE																
NECK																
BACK																
PRIVATE REGION																
ANKLE																
LOWER EXTREMITIES, NEC																
MULTIPLE PARTS OF BODY																
TOTAL OR AVERAGE																
SURFACE MINES																
STRIP																
EYE																
NOSE																
FACE, NEC																
HEAD, NEC																
NECK																
ELBOW																
Wrist																
HAND																
FINGER(S)																
UPPER EXTREMITIES, NEC																
ARM/ARM																
BACK																
CHEST																
PRIVATE REGION																
SHOULDER(S)																
THIGH, NEC																
HIGH																
KNEE																
LOWER LEG																
ANKLE																
FOOT																
LOWER EXTREMITIES, NEC																
MULTIPLE PARTS OF BODY																
TOTAL OR AVERAGE																

TABLE 9A NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ANTIHURRICANE TOTAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY								
	FATAL	NFI			TOTAL FATAL AND NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI						
		PERMANENT	TOTAL				TOTAL	PARTIAL	TEMPORARY										
			TOTAL	PARTIAL															
CLIM BANK																			
EYE			3		3								2						
NOSE													2						
MOUTH			1		1								11						
HAND			1		1								29						
FINGERS			1		1								4,500						
UPPER EXTREMITIES, NEC			1		1								6						
BACK			1		1								21						
PELVIC REGION			1		1								4						
KNEE			2		2								6						
ANKLE			1		1								6						
BOOTS			1		1								208						
MULTIPLE PARTS OF BODY			1		1								4,500						
TOTAL OR AVERAGE			11		12								4,795						
CLIM BANK																			
EYE			6		6								11						
NOSE			1		1								16						
MOUTH			1		1								18						
HAND			1		1								2						
FINGERS			3		3								97						
UPPER EXTREMITIES, NEC			1		1								7						
ABDOMEN			1		1								124						
BACK			3		3								167						
PELVIC REGION			1		1								77						
SHOULDER(S)			2		2								121						
THIGH			18		18								62						
LOWER LEG			1		1								735						
ANKLE			4		4								3						
FOOT			3		3								111						
UPPER EXTREMITIES, NEC			2		2								76						
BOOTS			4		4								119						
MULTIPLE PARTS OF BODY			5		5								66						
TOTAL OR AVERAGE			72		74								2,694						
CLIM BANK																			
EYE			6		6								11						
NOSE			1		1								16						
MOUTH			1		1								18						
HAND			1		1								2						
FINGERS			3		3								97						
UPPER EXTREMITIES, NEC			1		1								7						
ABDOMEN			1		1								124						
BACK			3		3								167						
PELVIC REGION			1		1								77						
SHOULDER(S)			2		2								121						
THIGH			18		18								62						
LOWER LEG			1		1								735						
ANKLE			4		4								3						
FOOT			3		3								111						
UPPER EXTREMITIES, NEC			2		2								76						
BOOTS			4		4								119						
MULTIPLE PARTS OF BODY			5		5								66						
TOTAL OR AVERAGE			72		74								2,694						

TABLE 9A. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ANTIHALLUCITIC TOTAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY	
	FATAL	PERMANENT		TEMPORARY	TOTAL AND NFDL	NDI	TOTAL INJURIES	FATAL	PERMANENT		TOTAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL AND NFDL
		TOTAL	PARTIAL						TOTAL	PARTIAL				
TOTAL OR AVERAGE, MINING														
EYE				7	7	7	10	18			18		3	3
MOUSE/TEETH/TONGUE				1	1	1	2	16			16		16	16
NOSE				1	1	1	2	18			18		18	18
FACE, NEC				1	1	1	2	2			2		2	2
HEAD, NEC				1	1	1	4	129			129		35	32
NECK				4	4	4	5	124			124		124	124
ELBOW				1	1	1	1	7			7		7	7
WRIST				1	1	1	1	124			124		124	124
HAND				1	1	1	5	167			167		167	167
INDEX FINGER				1	1	1	3	77			77		77	77
UPPER EXTREMITIES, NEC				1	1	1	3	62			62		62	62
ABDOMEN				19	19	19	21	4,621			4,621		4,621	4,621
BACK				1	1	1	2	752			752		752	752
CHEST				1	1	1	3	113			113		113	113
PELVIC REGION				1	1	1	5	163			163		163	163
SHOULDER				1	1	1	6	76			76		76	76
TRUNK, NEC				1	1	1	1	119			119		119	119
THIGH				2	2	2	2	66			66		66	66
KNEE				7	7	7	7	215			215		215	215
LOWER LEG				1	1	1	1	21			21		21	21
ANKLE				4	4	4	5	37			37		37	37
FOOT				4	4	4	5	69			69		69	69
LOWER EXTREMITIES, NEC				7	7	7	7	277			277		277	277
BODY SYSTEMS				7	7	7	7	589			589		589	589
MULTIPLE PARTS OF BODY				7	7	7	7	589			589		589	589
TOTAL OR AVERAGE				79	81	81	105	4,590			4,590		3,078	7,628
INDEPENDENT SHOPS				2	2	2	2	1,628			1,628		2,275	39
UPPER EXTREMITIES, NEC				2	2	2	2	394			394		40	40
BACK				1	1	1	1	97			97		37	37
FOOT				5	5	5	6	571			571		114	114
LOWER EXTREMITIES, NEC				5	5	5	6	571			571		114	114
TOTAL OR AVERAGE				5	5	5	6	571			571		114	114

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	NON- FATAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI	
		PERMANENT		TOTAL				TEMPO- RARY	TOTAL NFDI						
		TOTAL	PARTIAL												
										TOTAL					PARTIAL
PROCESSING PLANTS															
EAR			12		12	1					49		49	4	4
EYE						18									
NOSE						1									
ELBOW						1									
FOREARM						1									
WRIST						2									
HAND			3		3	4									
FINGER(S)		1	8		9	1									
UPPER EXTREMITIES, NEC			21		21	12				150		150		150	52
BACK			2		2	3									31
CHEST			2		2	1									57
PELVIC REGION			2		2	2									6
SHOULDER(S)			2		2	3									12
TRUNK, NEC			1		1	2									32
KNEE			6		6	1									52
LOWER LEG			4		4	6									14
ANKLE			4		4	1									3
FOOT			2		2	5									24
LOWER EXTREMITIES, NEC			2		2	2									2
MULTIPLE PARTS OF BODY			7		7	8									80
TOTAL OR AVERAGE		1	72		73	97				150	2,399	150	2,549	33	35

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY								
	FATAL	NFDI			TOTAL FATAL AND NFDI	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI						
		PERMANENT	TEMPORARY	TOTAL NFDI			TOTAL	PARTIAL	TEMPORARY										
TOTAL OR AVERAGE																			
ALL MINES AND PLANTS																			
EAR					19					67		4	4						
EYE			19	19						16		16	16						
MOUTH/TEETH/TONGUE			1	1	1					18		18	18						
NOSE			1	1	1					2		2	2						
FACE, NEC			1	1	1					129		32	32						
HEAD, NEC			4	4	4					7		7	7						
NECK			1	1	1					124		124	124						
THROAT			1	1	1					323		323	323						
FOREARM			1	1	1					207		207	207						
WRIST			6	6	6					150		150	150						
HAND			10	11	11					4,701		4,500	4,701						
FINGER(S)		1	3	4	4					62		62	62						
UPPER EXTREMITIES, NEC		1	1	1	1					2,349		5	5						
ABDOMEN			42	42	42					16		16	16						
BACK			3	3	3					137		137	137						
CHEST			7	8	8					141		141	141						
PELVIC REGION		1	5	5	5					171		171	171						
SHOULDER(S)			2	2	2					66		66	66						
TRUNK, NEC			2	2	2					299		299	299						
THIGH			13	13	13					21		21	21						
KNEE			1	1	1					48		48	48						
LOWER LEG			8	8	8					117		117	117						
ANKLE			4	4	4					379		379	379						
FOOT			7	7	7					1,148		82	82						
LOWER EXTREMITIES, NEC			14	14	14					10,748		39	39						
BODY SYSTEMS			156	159	159					1,567		68	68						
MULTIPLE PARTS OF BODY																			
TOTAL OR AVERAGE		3																	

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY						
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NDI	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT	TOTAL						TEMPO- RARY	TOTAL NFDL							
			TOTAL	PARTIAL													
											TOTAL					PARTIAL	
GRAND TOTAL OR AVERAGE																	
EAR			19		19	1	9								67	4	4
EYE						28	1										
MOUTH/TEETH/TONGUE			1		1	3	2										
NOSE			1		1	4	1										
FACE, NEC			1		1	3	3										
HEAD, NEC			4		4	5	1										
NECK			4		4	2	1										
ELBOW			1		1	1	1										
FOREARM			1		1	3	2										
Wrist			6		6	9	3										
HAND			10		11	17	6										
FINGER(S)			3		4	6	2										
UPPER EXTREMITIES, NEC			1		1	2	1										
ABDOMEN			42		42	46	4										
BACK			3		3	4	1										
CHEST			7		8	8	5										
PELVIC REGION			5		5	5	2										
SHOULDER(S)			2		2	2	2										
TRUNK, NEC			13		13	13	1										
THIGH			1		1	2	1										
KNEE			8		8	10	2										
LOWER LEG			4		4	7	3										
ANKLE			7		7	9	1										
FOOT			14		14	15	1										
LOWER EXTREMITIES, NEC			3		3	49	1										
BODY SYSTEMS																	
MULTIPLE PARTS OF BODY																	
TOTAL OR AVERAGE			156		159	208	49										

TABLE 98. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY						
	FATAL	NON-FATAL		TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	FATAL	NON-FATAL		TOTAL FATAL AND NON-FATAL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NON-FATAL					
		PERMANENT	TEMPO- RARY				TOTAL	PARTIAL									
UNDERGROUND MINES																	
EAR																	
EYE																	
JAW																	
MOUTH/TEETH/TONGUE																	
NOSE																	
SCALP																	
SKULL																	
FACE, NEC	1					6,000											
HEAD, NEC	4					24,000											
NECK		1				600											
UPPER ARM																	
ELBOW																	
FOREARM		2				7,200											
WRIST																	
HAND																	
FINGERS		38				7,175											
UPPER EXTREMITIES, NEC	1					6,000											
ARM/ARM																	
BACK		1				6,000											
CHEST																	
PELVIC REGION	4					24,000											
SHOULDER(S)		50				2,500											
TROU, NEC						600											
THIGH	3					18,000											
HAIR		1				600											
LOWER LEG																	
ANKLE		2				6,000											
FOOT																	
TORSO		3				1,125											
LOWER EXTREMITIES, NEC		5				1,723											
BODY SYSTEMS	9					54,000											
MULTIPLE PARTS OF BODY	17					102,000											
UNCLASSIFIED																	
TOTAL OR AVERAGE	39	1	106	7,801	7,908	7,947	1,870	9,817	234,000	6,000	36,103	348,908	391,011	625,011	341	45	7/9

TABLE 98. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991 (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					TOTAL	PARTIAL	TOTAL					
SURFACE AT UNDERGROUND																
EAR																
EYE																
JAW																
MOUTH/TEETH/TONGUE																
NOSE																
FACE, NEC																
HEAD, NEC																
NECK																
UPPER ARM																
ELBOW																
FOREARM																
WRIST																
HAND																
FINGERS																
UPPER EXTREMITIES, NEC																
ABDOMEN																
BACK																
CHEST																
PELVIC REGION																
SHOULDER(S)																
THUMB, NEC																
THIGH																
KNEE																
LOWER LEG																
ANKLE																
FOOT																
TOE(S)																
LOWER EXTREMITIES, NEC																
BODY SYSTEMS																
MULTIPLE PARTS OF BODY																
TOTAL OR AVERAGE																

TABLE 3B NUMBER OF INJURIES, LOSI WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BILUMINUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY						
	FATAL	NFDI				TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI			
		TOTAL	FATAL	AND NFDI	NFI			TOTAL	FATAL	AND NFDI							
															TOTAL	FATAL	AND NFDI
TOTAL OR AVERAGE, U.S.																	
EAR		30	205	12	28	68				680			23				
EYE		30	205	12	28	380				1,445			7				
ARM		30	205	12	28	30				418			35				
TOOTH, TEETH, TONGUE		30	205	12	28	120				125			4				
NOSE		30	205	12	28	57				441			16				
SCALP		30	205	12	28	3				107			34				
SKULL		30	205	12	28	1				6,000							
FACE		30	205	12	28	96				825			19				
HEAD, NEC		30	205	12	28	248				25,634	2,400		235				
NECK		30	205	12	28	430				13,735	600		36				
UPPER ARM		30	205	12	28	15				808			54				
FOREARM		30	205	12	28	148				5,000	3,600		39				
ELBOW		30	205	12	28	117				10,426			44				
Wrist		30	205	12	28	421				4,350			34				
Hand		30	205	12	28	168				9,504	187		30				
Finger(s)		30	205	12	28	1,350				24,559			33				
UPPER EXTREMITIES, NEC		30	205	12	28	57				16,525	4,500		107				
ARM, DOWN		30	205	12	28	4				776			16				
BACK		30	205	12	28	198				159,715	1,600		158				
CHEST		30	205	12	28	173				33,957			61				
PELVIC REGION		30	205	12	28	24				9,204	50		215				
SHOULDER(S)		30	205	12	28	334				17,470			37				
TRUNK, NEC		30	205	12	28	166				28,414	600		56				
THIGH		30	205	12	28	79				1,737			67				
KNEE		30	205	12	28	294				38,659			30				
LOWER LEG		30	205	12	28	88				10,465	3,000		47				
ANKLE		30	205	12	28	326				9,104			138				
FOOT		30	205	12	28	394				13,410	375		28				
TOE(S)		30	205	12	28	56				2,443	345		37				
LOWER EXTREMITIES, NEC		30	205	12	28	260				11,224			18				
BODY SYSTEMS		30	205	12	28	48				53,953			50				
MULTIPLE PARTS OF BODY		30	205	12	28	697				158,967			40				
UNCLASSIFIED		30	205	12	28	3				38,967			64				
TOTAL OR AVERAGE	43	115	8,362	8,469	8,512	2,072	10,584	258,000	37,228	675,528	321		45				

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, 1991 (CONTINUED)

[illegible]

TABLE 3B - NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BILTMORIS COAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY					
	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI					
	FATAL	PERMANENT					TEMPORARY	TOTAL	PARTIAL					TOTAL				
		TOTAL	PARTIAL															
CUM BANK EYE HEAD NECK NECK HAND FINGERS UPPER EXTREMITIES NECK BACK PELVIC REGION ANKLE BODY SYSTEMS MULTIPLE PARTS OF BODY TOTAL OR AVERAGE ORANGE EYE FINGERS BACK LOWER LEG MULTIPLE PARTS OF BODY TOTAL OR AVERAGE																		

TABLE 3B. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BLUENHUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI			
		TOTAL	PERMANENT	PARTIAL				TOTAL	PERMANENT	PARTIAL							
TOTAL OR AVERAGE SURFACE																	
EAR		2			2												1
EYE		62			62												3
JAW		3			3												4
MOUTH/TEETH/TONGUE		1			1												2
NOSE		2			2												13
SCALP																	
FACE NEC		9			9												11
HEAD NEC		23			23												12
NECK		34			34												40
UPPER ARM		4			4												29
ELBOW		21			21												22
FOREARM		9			9												33
WRIST		17			17												28
HAND		26			26												17
FINGERS		88			88												31
UPPER EXTREMITIES NEC	1	30			31	6 000											227
ABDOMEN		4			4												4
BACK		405			406												50
CHEST		38			38												17
PELVIC REGION		22			22												17
SHOULDER		50			50												35
TRUNK NEC		33			33												33
THIGH		7			7												22
KNEE		103			103												11
LOWER LEG		28			28												32
ANKLE		79			79												80
FOOT		52			52												20
TOE(S)		8			8												31
LOWER EXTREMITIES NEC		42			42												16
BOOY SYSTEMS	1	8			9	6 000											38
MULTIPLE PARTS OF BODY	4	160			164	24 000											673
TOTAL OR AVERAGE	7	1 380	1 407	22	1 409	42 000	4 650	47 256	51 906	93 906	211	34	67				

TABLE 88. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT SELECTED INDUSTRIAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NET	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT	TEMPORARY	TOTAL FATAL AND NFI
		TOTAL	PARTIAL	TOTAL NFI					TOTAL	PARTIAL	TOTAL NFI				
TOTAL OR AVERAGE MINING															
EAR							75								21.6
EYE							245								29.4
ARM							139								21.4
TOOTH, TEETH, TONGUE							7								16.34
NOSE							7								34.000
SCALP							118								18.239
SKULL							304								38.499
FACE							473								49.377
HEAD							24								37.128
NECK							175								43.34
UPPER ARM							186								24.24
ELBOW							144								36.600
FOREARM							144								49.49
WRIST							144								37.37
HAND							144								43.43
FINGER(S)							144								34.34
UPPER EXTREMITIES, NEC							144								24.24
ARM(S)							144								36.36
BACK							144								49.49
THORAX							144								34.34
CHEST							144								24.24
STOMACH							144								34.34
ABDOMEN							144								24.24
LEG							144								34.34
UPPER LEG							144								24.24
LOWER LEG							144								34.34
ANKLE							144								24.24
FOOT							144								34.34
TOE(S)							144								24.24
LOWER EXTREMITIES, NEC							144								34.34
LEG(S)							144								24.24
FOOT(S)							144								34.34
TOE(S)							144								24.24
UNCLASSIFIED							144								34.34
TOTAL OR AVERAGE							10,720								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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NOI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI
		PERMANENT	TOTAL NFI						TEMPO RARY	TOTAL NFI					
			TOTAL	PARTIAL											
											TOTAL				
INDEPENDENT SHOPS															
EYE		1	1	1	18	19	6,000	2	24	2	24	2	24	2	12
FACE, NEC		2	2	2	2	4								49	3,024
HEAD, NEC	1	1	1	2	1	3								33	33
ELBOW		4	4	4	2	4								15	15
HAND		4	4	4	13	17								12	12
FINGERS		2	2	2	6	8								37	37
UPPER EXTREMITIES, NEC		21	21	21	2	23		50	20	21	70	50	20	21	21
BACK		1	1	1	1	2								35	35
CHEST		1	1	2	1	2								214	214
PELVIC REGION		2	2	2	2	6			429	429	429	421	36	36	36
SHOULDERS		3	3	3	4	7			71	166	166	166	55	55	55
TRUNK, NEC		1	1	1	1	2			18	18	18	18	18	18	18
WAKE		1	1	1	1	1			5	5	5	5	5	5	5
LOWER LEG		1	1	1	1	1									
FOOT		4	4	4	1	5			421	421	421	421	105	105	105
BODY SYSTEMS		50	50	50	47	99	6,000	50	2,218	2,268	2,268	50	44	44	159
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE	1	1		52	47	99									

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI																																																																																																																																																																																																																																																																																																																																																																																																																																														
		PERMANENT	TEMPORARY	TOTAL NFI				TOTAL	PARTIAL	TOTAL					PARTIAL	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																												
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TABLE 98 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	PERMANENT		FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		TOTAL	PARTIAL	TOTAL				TEMPORARY					
									TOTAL				
TOTAL OR AVERAGE													
ALL MINES AND PLANTS													
EAR													
EYE													
JAW													
MOUTH/TEETH/TONGUE													
NOSE													
SCALP													
SKULL													
FACE, NEC													
HEAD, NEC													
NECK													
UPPER ARM													
ELBOW													
FOREARM													
Wrist													
HAND													
FINGERS													
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													

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES				LOST WORKDAYS				AVERAGE SEVERITY								
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL			
		TOTAL	TEMPORARY	TOTAL NFDL				PERMANENT		TOTAL NFDL							
								TOTAL	PARTIAL								
OFFICE																	
EYE						2											10
HEAD						1											4
NECK						3											63
ARM						3											81
LEG						1											129
UPPER EXTREMITIES, NEC						13											2
BACK						2											76
SHOULDER						1											10
TRUNK, NEC						5											17
KNIFE						1											52
LOWER LEG						1											62
ANKLE						1											1796
FOOT						1											1796
TOE(S)						1											1796
MULTIPLE PARTS OF BODY						1											1796
TOTAL OR AVERAGE						29											1796
TRANSPORTATION TOTAL OR AVERAGE						35											1796
EAP						303											1796
EYE						15											1796
JAW						31											1796
MOUTH						30											1796
TOOTH						3											1796
NOSE						3											1796
SCALP						3											1796
SKULL						60											1796
FACE, NEC						156											1796
HEAD, NEC						424											1796
NECK						200											1796
UPPER ARM						165											1796
ELBOW						185											1796
FOREARM						194											1796
WRIST						363											1796
HAND						850											1796
FINGER(S)						197											1796
UPPER EXTREMITIES, NEC						57											1796
ARMOR						3											1796
BACK						3											1796
CHEST						208											1796
PELVIC REGION						246											1796
SHOULDER						363											1796
TRUNK, NEC						190											1796
THIGH						71											1796
KNIFE						905											1796
LOWER LEG						111											1796
ANKLE						426											1796
FOOT						438											1796
TOE(S)						57											1796
UPPER EXTREMITIES, NEC						283											1796
BODY SYSTEMS						466											1796
MULTIPLE PARTS OF BODY						839											1796
UNCLASSIFIED						4											1796
TOTAL OR AVERAGE						10,540											1796

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, 1991 (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.	-	-	53	-	53	53	-	53	-	.08	.08	-	.08	-	41	41	
AMPUTATION/ENUCLEATION----	-	-	-	-	5	5	9	10	.01	.01	.01	(*)	.01	36	1	36	
ASPHYXIATION/DROWNING----	4	-	-	-	51	51	52	30	82	(*)	.08	.08	.04	.12	9	4	12
BURN/SCALD (NOT CHEM)----	1	-	-	-	28	28	28	21	49	-	.04	.04	.03	.07	-	(*)	(*)
CHEMICAL BURN-----	-	-	-	-	11	11	11	1	12	-	.02	.02	(*)	.02	-	1	1
CONCUSSION (CEREBRAL)----	-	-	-	-	1,326	1,329	1,343	158	1,501	.02	1.97	1.99	.23	2.22	124	65	190
CONTUSION OR BRUISE-----	14	-	3	-	595	595	596	954	1,550	(*)	.88	.88	1.41	2.29	9	16	25
CUT OR PUNCTURE-----	1	-	-	-	31	31	31	7	38	-	.05	.05	.01	.06	-	4	4
DISLOCATION-----	-	-	-	-	54	54	54	48	102	-	.08	.08	.07	.15	-	(*)	(*)
DUST IN EYE-----	-	-	-	-	17	17	21	3	24	.01	.03	.03	(*)	.04	36	1	37
ELECTRIC SHOCK-----	4	-	-	-	18	18	18	-	18	-	.03	.03	-	.03	-	1	1
ELECT. BURN (CONTACT)----	-	-	-	-	734	735	737	240	977	(*)	1.09	1.09	.36	1.45	18	60	77
FRACTURE-----	2	-	1	-	6	61	61	-	61	-	.09	.09	-	.09	-	4	4
HERNIA (NOT DISC)-----	-	-	55	-	10	10	10	3	13	-	.01	.01	(*)	.02	-	(*)	(*)
POISONING (SYSTEMIC)-----	-	-	-	-	56	56	56	12	68	-	.08	.08	.02	.10	-	3	3
RADIATION/ULTRA VIOLET-----	-	-	-	-	56	56	56	19	75	-	.08	.08	.03	.11	-	1	1
SCRATCH/ABRASION-----	-	-	-	-	4,330	4,334	4,334	363	4,697	-	6.42	6.42	.54	6.95	-	341	341
STRAIN/SPRAIN-----	-	1	3	-	595	596	612	135	747	.02	.88	.91	.20	1.11	142	40	182
MULTIPLE INJURIES-----	16	-	1	-	71	71	72	15	87	(*)	.11	.11	.02	.13	9	4	13
OTHER INJURY, NEC-----	1	-	-	-	364	364	364	64	428	-	.54	.54	.09	.63	-	32	32
UNCLASSIFIED (NO DATA)----	-	-	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
OCCUPATIONAL DISEASES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	43	1	116	-	8,359	8,476	8,519	2,074	10,593	.06	12.55	12.61	3.07	15.68	382	619	1,001
SURFACE MINES.																	
STRIP:	-	-	8	-	8	8	-	8	-	.02	.02	-	.02	-	2	2	2
AMPUTATION/ENUCLEATION----	-	-	-	-	2	2	2	1	3	-	(*)	(*)	(*)	.01	-	(*)	(*)
ASPHYXIATION/DROWNING----	-	-	-	-	29	29	30	8	38	(*)	.07	.07	.02	.09	14	1	16
BURN/SCALD (NOT CHEM)----	1	-	-	-	6	6	6	11	17	-	.01	.01	.03	.04	-	(*)	(*)
CHEMICAL BURN-----	-	-	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	-	-	159	159	161	44	205	(*)	.38	.39	.11	.49	29	9	38
CONTUSION OR BRUISE-----	2	-	-	-	126	127	127	306	433	-	.31	.31	.74	1.04	-	3	3
CUT OR PUNCTURE-----	-	-	1	-	2	2	2	2	2	-	(*)	(*)	-	(*)	-	(*)	(*)
DERMATITIS-----	-	-	-	-	12	12	12	3	15	-	.03	.03	.01	.04	-	1	1
DISLOCATION-----	-	-	-	-	17	17	17	35	52	-	.04	.04	.08	.13	-	(*)	(*)
DUST IN EYE-----	-	-	-	-	3	3	4	-	4	(*)	.01	.01	-	.01	14	(*)	15
ELECTRIC SHOCK-----	1	-	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
ELECT. BURN (CONTACT)----	-	-	-	-	155	155	155	81	236	-	.37	.37	.19	.57	-	19	19
FRACTURE-----	-	-	-	-	1	11	11	-	11	-	.03	.03	-	.03	-	1	1
HERNIA (NOT DISC)-----	-	-	10	-	2	2	2	2	4	-	(*)	(*)	(*)	.01	-	(*)	(*)
POISONING (SYSTEMIC)-----	-	-	-	-	12	12	12	5	17	-	.03	.03	.01	.04	-	1	1
RADIATION/ULTRA VIOLET-----	-	-	-	-	12	12	12	9	21	-	.03	.03	.02	.05	-	(*)	(*)
SCRATCH/ABRASION-----	-	-	-	-	650	652	652	92	744	-	1.57	1.57	.22	1.79	-	64	64
STRAIN/SPRAIN-----	-	-	2	-	119	119	122	52	174	.01	.29	.29	.13	.42	43	11	54
MULTIPLE INJURIES-----	3	-	-	-	21	21	21	9	30	-	.05	.05	.02	.07	-	2	2
OTHER INJURY, NEC-----	-	-	-	-	74	74	74	17	91	-	.18	.18	.04	.22	-	11	11
UNCLASSIFIED (NO DATA)----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	7	-	21	-	1,404	1,425	1,432	675	2,107	.02	3.43	3.45	1.62	5.07	101	127	228

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	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	PARTIAL	TOTAL											
AUGER															
BURN/SCALD (NOT CHEM.)							1					31			31
CHEMICAL BURN							1					31			31
CONCUSSION OR BRUISE							4					1.24			14
CUT OR PUNCTURE							4					2.17			4
DISLOCATION							1					31			2
FRACTURE							4					1.55			83
HERNIA (NOT DISC)							1					31			16
STRAIN/SPRAIN							5					3.41			130
MULTIPLE INJURIES							6					1.86			37
UNCLASSIFIED (NO DATA)							3					1.86			37
TOTAL OR AVERAGE							40					12.41			287
CULM BANK															
AMPUTATION/ENUCLEATION							1					31			1,389
CHEMICAL BURN							2					62			(*)
CONCUSSION OR BRUISE							3					93			1
CUT OR PUNCTURE							3					1.23			4
DUST IN EYE							2					62			1
ELECTRIC SHOCK							1					31			1
FRACTURE							1					31			9
HERNIA (NOT DISC)							1					31			15
POISONING (SYSTEMIC)							1					31			2
SCRATCH/ABRASION							9					2.78			47
STRAIN/SPRAIN							3					93			85
MULTIPLE INJURIES							2					62			5
UNCLASSIFIED (NO DATA)							32					9.87			1,559
TOTAL OR AVERAGE							8					2.47			1,559
DREDGE															
CUT OR PUNCTURE							2					3.40			3
DUST IN EYE							1					1.70			92
STRAIN/SPRAIN							1					1.70			540
UNCLASSIFIED (NO DATA)							5					8.51			632
TOTAL OR AVERAGE							3					5.11			632

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI
		PERMANENT		TEMPORARY											
		TOTAL	PARTIAL												
TOTAL OR AVERAGE, SURFACE			9		9	9	9		02	02		02		13	13
AMPUTATION/NUCLEATION				2	2	2	3	(*)	(*)	(*)	(*)	01		(*)	(*)
ASPHYXIATION/DROWNING	1			24	24	30	39	(*)	07	07	02	04	14	1	16
BURN/SCALD (NOT CHEM)				7	7	7	13		02	02	03	05		(*)	(*)
CHEMICAL BURN				1	1	1	1		(*)	(*)		(*)		(*)	(*)
CONCUSSION (CEREBRAL)	2			163	163	165	47	(*)	39	39	11	50	28	9	38
CONTUSION OR BRUISE		1		130	131	131	315		31	31	75	106		3	3
CUT OR PUNCTURE				2	2	2	2		(*)	(*)		(*)		(*)	(*)
DERMATITIS				13	13	13	3		03	03	01	04		1	1
DISLOCATION				19	19	19	36		04	04	09	13		(*)	(*)
DUST IN EYE	1			4	4	5	5	(*)	01	01		01	14	(*)	14
ELECTRIC SHOCK				1	1	1	1		(*)	(*)		(*)		(*)	(*)
ELECT BURN (CONTACT)				160	160	160	82		38	38	19	57		20	20
FRACTURE				1	13	13	13		03	03		03		2	2
HERNIA (NOT DISC)		12		2	2	2	3		(*)	(*)	01	01		(*)	(*)
POISONING (SYSTEMIC)				12	12	12	5		03	03	01	04		1	1
RADIATION/ULTRA VIOLET				13	13	13	4		03	03	02	05		(*)	(*)
SCRATCH/ABRASION				666	668	668	97		158	158	23	181		64	64
STRAIN/SPRAIN	3		2	127	127	130	54	01	30	31	13	44	43	11	54
MULTIPLE INJURIES				21	21	21	4		05	05	02	07		2	2
OTHER INJURY, NEC				79	79	79	18		19	19	04	23		12	12
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE	7		24	1,452	1,476	1,483	701	02	3.49	3.51	1.66	5.17	99	140	239
TOTAL OR AVERAGE, MINING															
AMPUTATION/NUCLEATION			62		62	62	62		06	06		06		30	30
ASPHYXIATION/DROWNING	4			7	7	11	2	(*)	01	01	(*)	01	22	(*)	22
BURN/SCALD (NOT CHEM)	2			80	80	82	39	(*)	07	07	04	11	11	1	14
CHEMICAL BURN				35	35	35	34		05	05	03	06		(*)	(*)
CONCUSSION (CEREBRAL)				12	12	12	1		01	01	(*)	01		1	1
CONTUSION OR BRUISE	16		3	1,489	1,492	1,508	205	01	136	137	19	156	87	44	131
CUT OR PUNCTURE	1		1	725	726	727	1,269	(*)	66	66	116	182	5	11	16
DERMATITIS				2	2	2	2		(*)	(*)		(*)		(*)	(*)
DISLOCATION				44	44	44	19		04	04	01	05		3	3
DUST IN EYE				73	73	73	84		07	07	08	14		(*)	(*)
ELECTRIC SHOCK	5			21	21	26	3	(*)	02	02	(*)	03	27	1	28
ELECT BURN (CONTACT)				19	19	19	19		02	02		02		1	1
FRACTURE	2		1	894	895	897	322	(*)	82	82	29	111	11	44	55
HERNIA (NOT DISC)			67	7	74	74	74		07	07		07		3	3
POISONING (SYSTEMIC)				12	12	12	6		01	01	01	02		(*)	(*)
RADIATION/ULTRA VIOLET				68	68	68	17		06	06	02	08		2	2
SCRATCH/ABRASION				69	69	69	28		06	06	03	09		1	1
STRAIN/SPRAIN		1	5	4,996	5,002	5,002	460		456	456	42	497		235	235
MULTIPLE INJURIES	19		1	722	723	742	189	02	66	68	17	85	104	29	133
OTHER INJURY, NEC	1			92	92	93	24	(*)	08	08	02	11	5	3	9
UNCLASSIFIED (NO DATA)				443	443	443	82		40	40	07	48		24	24
OCCUPATIONAL DISEASES				1	1	1	1		(*)	(*)		(*)		(*)	(*)
TOTAL OR AVERAGE	50	1	140	9,811	9,952	10,002	2,775	05	9.06	9.11	2.53	11.64	273	434	708

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, 1991 (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																
ASPHYXIATION/DROWNING							1	1				09	09			
CHEMICAL BURN							1	1				09	09			
CONTUSION OR BRUISE				4	4	4	1	5		37	37	09	47		9	9
CUT OR PUNCTURE				7	7	7	25	32		66	66	2 34	3 00		13	13
DERMATITIS				1	1	1		1		09	09		09		(+)	(+)
DUST IN EYE				1	1	1	5	6		09	09	47	56		(+)	(+)
FRACTURE				6	6	6	1	7		56	56	09	66		57	57
HERNIA (NOT DISC)		1			1	1		1		09	09		09		5	5
RADIATION/ULTRA VIOLET				1	1	1	1	2		09	09	09	19		(+)	(+)
SCRATCH/ABRASION							2	2				19	19			
STRAIN/SPRAIN				33	33	33	7	40		3 09	3 09	66	3 75		147	147
MULTIPLE INJURIES	1			1	1	2	2	4	09	09	19	19	37	562	(+)	562
OTHER INJURY, NEC							1	1				09	09			
UNCLASSIFIED (NO DATA)				1	1	1	1	2		09	09	09	19		35	35
TOTAL OR AVERAGE	1		1	55	56	57	48	105	09	5 25	5 34	4 50	9 84	562	266	828
PROCESSING PLANTS																
AMPUTATION/NUCLEATION			6		6	6		6		04	04		04		25	25
ASPHYXIATION/DROWNING				1	1	1		1		01	01		01		(+)	(+)
BURN/SCALD (NOT CHEM)				17	17	17	6	23		12	12	04	16		2	2
CHEMICAL BURN				7	7	7	4	11		05	05	03	08		(+)	(+)
CONCUSSION (CEREBRAL)				3	3	3		3		02	02		02		2	2
CONTUSION OR BRUISE	2			92	92	94	16	110	01	64	65	11	76	83	13	96
CUT OR PUNCTURE				54	54	54	147	201		37	37	1 02	1 40		4	4
DISLOCATION				4	4	4		4		03	03		03		2	2
DUST IN EYE				12	12	12	14	26		08	08	10	18		(+)	(+)
ELECTRIC SHOCK				3	3	3		3		02	02		02		(+)	(+)
ELECT BURN (CONTACT)				1	1	1		1		01	01		01		(+)	(+)
FRACTURE	1			86	86	87	30	117	01	60	60	21	81	42	26	68
HERNIA (NOT DISC)			9	5	14	14	1	15		10	10	01	10		4	4
POISONING (SYSTEMIC)				2	2	2	2	4		01	01	01	03		(+)	(+)
RADIATION/ULTRA VIOLET				13	13	13	1	14		09	09	01	10		1	1
SCRATCH/ABRASION				10	10	10	4	14		07	07	03	10		(+)	(+)
STRAIN/SPRAIN			2	405	407	407	25	432		2 83	2 83	17	3 00		124	129
MULTIPLE INJURIES				54	54	54	20	74		37	37	14	51		17	17
OTHER INJURY, NEC				7	7	7	3	10		05	05	02	07		2	2
UNCLASSIFIED (NO DATA)				27	27	27	6	33		19	19	04	23		9	9
TOTAL OR AVERAGE	3		17	803	820	823	279	1,102	02	5 69	5 71	1 94	7 65	125	238	362

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	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		TEMPORARY	TOTAL NFDI												
		TOTAL	PARTIAL														
4	68		8	68	68		3	68	(*)	05	05		19	24	24		
2			97	97	12	45	144	15	01	01	01	01		3	19	19	
			42	42	42	39	81	16	03	03	03	06		(*)	(*)	(*)	
18			15	15	15	1	1	1	01	01	01	01		1	1	1	
1	3	1,585	1,588	1,606	222	222	1,828	222	1 27	1 28	18	1 46		86	40	126	
	1	786	787	788	1,441	2,229	2,229	3	63	63	1 15	1 78		5	10	15	
		3	3	3		3	3	3	(*)	(*)	(*)	(*)		(*)	(*)	(*)	
			48	48	48	10	58	58	04	04	01	05		3	3	3	
5			86	86	86	103	189	189	07	07	08	15		(*)	(*)	(*)	
			24	24	29	3	32	32	(*)	02	02	03		24	1	25	
			20	20	20		20	20	02	02		02		1	1	1	
3	1	986	987	990	353	1,343	1,343	1	(*)	79	79	28	1 07	14	42	57	
	77		12	89	89	1	90	90	07	07	(*)	07		(*)	(*)	(*)	
			14	14	14	8	22	22	01	01	01	02		2	2	2	
			82	82	82	19	101	113		07	07	02	08		1	1	
			79	79	79	34	113	113		06	06	03	05		3	3	
	1	7	5,434	5,442	5,442	492	5,934	5,934	4 34	4 34	39	4 74		222	222	222	
20	1		777	778	798	211	1,009	1,009	62	64	17	81		27	27	123	
			99	99	100	28	128	128	(*)	08	08	10		5	3	8	
			471	471	471	89	560	560	38	38	07	45		22	22	22	
			1	1	1		1	1	(*)	(*)		(*)		(*)	(*)	(*)	
54	1	158	10,669	10,828	10,882	3,102	13,984	13,984	04	8 64	8 69	2 48	11 16	259	410	669	
			3	3	3	1	4	4	05	05	02	06		1	1	1	
			1	1	1	5	6	6	02	02	08	10		(*)	(*)	(*)	
						1	1	1			02	02					
			2	2	2	1	3	3	03	03	02	05		(*)	(*)	(*)	
			16	16	16	3	19	19	26	26	05	30		18	18	18	
			4	4	4		4	4	06	06		06		7	7	7	
			3	3	3		3	3	05	05		05		2	2	2	
			29	29	29	11	40	40	46	46	17	63		28	28	28	

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI
		TOTAL	PERMANENT	TEMPORARY											
GRAND TOTAL OR AVERAGE	54	108	10,598	10,911	4,114	14,024	54	8,255	8,24	2,37	10,66	246	392	638	
AMPUTATION/ENGULFMENT															
ASPHYXIATION/DROWNING	4		8		68	68	3	58	(*)	05	(*)	05	18	28	28
BURN/SCALD (HOT THEM)	2		97		97	97	45	144	(*)	07	08	03	9	(*)	19
CHEMICAL BURN			42		42	42	39	61	(*)	03	03	03	06	(*)	12
CONCUSSION/CEREBRAL	18		15		15	15	1	15	(*)	01	01	01	01	(*)	3
CONTUSION OR PROUSE	1		787		788	788	1,446	2,235	(*)	1 21	1 22	1 34	62	38	120
CUT OR PUNCTURE			3		3	3	1	3	(*)	60	60	1 10	5	10	14
DERMATITIS			3		3	3	1	3	(*)	(*)	(*)	(*)	(*)	(*)	(*)
DISLOCATION			48		48	48	10	58	(*)	04	04	04	3	3	3
DUST IN EYE	5		86		86	86	104	140	(*)	07	07	08	23	1	24
ELECTRIC SHOCK			24		24	24	1	32	(*)	02	02	02	02	1	1
ELECT BURN (CONTACT)			568		568	568	354	1,345	(*)	75	75	27	14	40	54
FRACTURE	3		14		14	14	1	22	(*)	07	07	07	02	3	3
HEMORRHOID			14		14	14	2	22	(*)	01	01	01	(*)	(*)	(*)
POISONING (SYSTEMIC)			40		40	40	14	101	(*)	06	06	07	08	2	2
RADIATION/ISOTOPES			74		74	74	34	113	(*)	4 15	4 15	38	1	1	1
RADIATION/ULTRA VIOLET			1		1	1	495	5,953	(*)	59	61	16	42	212	212
SCALD/ABRASION			418		419	419	211	1,013	(*)	08	08	02	91	26	118
STRAIN/SPRAIN	29		94		94	94	24	118	(*)	36	36	07	5	3	7
MULTIPLE INJURIES	1		474		474	474	85	563	(*)	(*)	(*)	(*)	21	21	21
OTHER INJURY, N.E.C.			1		1	1	1	1	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UNCLASSIFIED (NO DATA)															
OCCUPATIONAL DISEASES															
TOTAL OR AVERAGE	54	108	10,598	10,911	4,114	14,024	54	8,255	8,24	2,37	10,66	246	392	638	

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, 1991

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES		
	FATAL	NONFATAL			TOTAL FATAL AND NONFATAL	TOTAL INJURIES	FATAL	NONFATAL	ALL FATAL AND NONFATAL	ALL INJURIES	FATAL	NONFATAL	ALL FATAL AND NONFATAL		
		TOTAL	PERMANENT	TEMPORARY											
UNDERGROUND MINES															
CONTOUSION OR BRUISE															
CUT OR PUNCTURE															
DUST IN EYE															
FRACURE															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
OTHER INJURY, NEC															
TOTAL OR AVERAGE															
TOTAL OR AVERAGE															
CONTOUSION OR BRUISE															
CUT OR PUNCTURE															
DUST IN EYE															
FRACURE															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
OTHER INJURY, NEC															
TOTAL OR AVERAGE															
TOTAL OR AVERAGE															
SURFACE MINES															
CONTOUSION OR BRUISE															
CUT OR PUNCTURE															
DISLOCATION															
DUST IN EYE															
FRACURE															
HERNIA, INST. DISC.															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
OTHER INJURY, NEC															
UNCLASSIFIED, NO. DATA															
TOTAL OR AVERAGE															
TOTAL OR AVERAGE															
COAL BANK															
CONTOUSION OR BRUISE															
CUT OR PUNCTURE															
DUST IN EYE															
FRACURE															
POISONING, SYSTEMIC															
SCRATCH/ABRASION															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
TOTAL OR AVERAGE															
TOTAL OR AVERAGE															

TABLE 10A NUMBER OF INJURIES, INCIDENT RATES, AND SEVERITY MEASURES BY SOURCE FOR WORK LOCATION AND NATURE OF INJURY AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					INCIDENT RATES					SEVERITY MEASURES			
	FATAL	PERMANENT		TEMPORARY		TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI	FATAL	NFDI	ALL FATAL AND NFDI
		TOTAL	PARTIAL	TOTAL	PARTIAL									
TOTAL OR AVERAGE		1		2	1	1	2	1	13	11	25	13	574	
AMPUTATION/ENUCLEATION					2	2		2	25	25	38	51	141	
CHEMICAL BURN					10	10		10	127	127	166	51	51	
CONCUSSION OR BRUISE					3	3		3	38	38	127	9	9	
CUT OR PUNCTURE					1	1		1	13	13	13	141	141	
DISLOCATION					3	3		3	38	38	38	38	141	
DUST IN EYE					6	6		6	78	78	78	46	46	
FRACTURE					1	1		1	13	13	13	6	6	
HERNIA (NOT DISC)					1	1		1	13	13	13	1	1	
POISONING (SYSTEMIC)					33	33		33	421	421	64	132	132	
SCRATCH/ABRASION					9	9		9	102	102	13	69	69	
STRAIN/SPRAIN					1	1		1	13	13	13	4	4	
MULTIPLE INJURIES					4	4		4	51	51	51	30	30	
OTHER INJURY, NEC														
UNCLASSIFIED (NO DATA)														
TOTAL OR AVERAGE		2		72	74	74	22	96	943	743	260	1223	923	
TOTAL OR AVERAGE MINING														
AMPUTATION/ENUCLEATION		1			1	1		1	10	10	20	10	443	
CHEMICAL BURN					2	2		2	20	20	39	141	141	
CONCUSSION OR BRUISE					10	10		10	48	48	39	39	39	
CUT OR PUNCTURE					3	3		3	30	30	108	138	138	
DISLOCATION					1	1		1	10	10	10	141	141	
DUST IN EYE					4	4		4	39	39	39	39	39	
FRACTURE					9	9		9	74	74	79	44	44	
HERNIA (NOT DISC)					1	1		1	10	10	10	5	5	
POISONING (SYSTEMIC)					1	1		1	10	10	10	141	141	
SCRATCH/ABRASION					1	1		1	10	10	10	105	105	
STRAIN/SPRAIN					44	44		44	315	315	44	78	78	
MULTIPLE INJURIES					10	10		10	98	98	10	5	5	
OTHER INJURY, NEC					1	1		1	20	20	20	23	23	
UNCLASSIFIED (NO DATA)					4	4		4	39	39	39	23	23	
TOTAL OR AVERAGE		2		79	81	81	24	105	797	797	236	1034	751	
TOTAL OR AVERAGE INDEPENDENT SHOPS														
CUT OR PUNCTURE							1	1	2	2	2	2	463	
FRACTURE									38	38	38	1,074	1,074	
STRAIN/SPRAIN									80	80	80	1,537	1,537	
TOTAL OR AVERAGE									1346	1346	269	1615	1,537	

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES		
	FATAL	NFBI			TOTAL FATAL AND NFBI	TOTAL INJURIES	FATAL	NFBI	ALL FATAL AND NFBI	ALL INJURIES	FATAL	NFBI	ALL FATAL AND NFBI
		PERMANENT	TEMPORARY	TOTAL NFBI									
PROCESSING PLANTS													
AMPUTATION/ENUCLEATION		1		1	1	1	1	16	16	16		24	24
BURN/SCALD (NOT CHEM)				1	1	1	1	16	16	16		6	6
CHEMICAL BURN				9	9	9	9	1 45	1 45	32		17	17
CONTUSION OR BRUISE				8	8	8	8	1 24	1 24	1 61		20	20
CUT OR PUNCTURE				3	3	3	3	48	48	1		1	1
DUST IN EYE				5	5	5	5	95	95	32		21	21
FRACTURE				3	3	3	3	48	48	16		147	147
RADIATION/ULTRA VIOLET				2	2	2	2	32	32	16		48	48
SCRATCH/ABRASION				30	30	30	30	4 82	4 82	96		208	208
STRAIN/SPRAIN				4	4	4	4	64	64	16		50	50
MULTIPLE INJURIES				1	1	1	1	16	16	16		34	34
OTHER INJURY, NEC				5	5	5	5	80	80	16		24	24
UNCLASSIFIED (NO DATA)													
TOTAL OR AVERAGE		1		72	73	73	73	11 73	11 73	3 86		410	410
ALL MINES AND PLANTS													
AMPUTATION/ENUCLEATION	2			1	2	2	2	12	12	12		278	278
BURN/SCALD (NOT CHEM)				1	1	1	1	06	06	06		141	141
CHEMICAL BURN				2	2	2	2	12	12	24		40	40
CONTUSION OR BRUISE				19	19	19	19	1 13	1 13	24		12	12
CUT OR PUNCTURE				11	11	11	11	66	66	1 31		141	141
DISLOCATION				1	1	1	1	06	06	06		1	1
DUST IN EYE				7	7	7	7	42	42	42		47	47
FRACTURE				16	16	16	16	96	96	12		3	3
HERNIA (NOT DISC)	1			1	1	1	1	06	06	06		1	1
POISONING (SYSTEMIC)				3	3	3	3	18	18	06		141	141
RADIATION/ULTRA VIOLET				3	3	3	3	18	18	06		24	24
SCRATCH/ABRASION				67	67	67	67	4 00	4 00	06		167	167
STRAIN/SPRAIN				14	14	14	14	84	84	12		66	66
MULTIPLE INJURIES				3	3	3	3	18	18	12		18	18
OTHER INJURY, NEC				9	9	9	9	54	54	06		23	23
UNCLASSIFIED (NO DATA)													
TOTAL OR AVERAGE	3			156	159	159	159	9 49	9 49	2 93		642	642

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES				
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	FATAL AND NFI	NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI	
		PERMANENT	TEMPORARY													
			TOTAL	PARTIAL												
GRAND TOTAL OF ALL TYPES	2			2		2			2		2			262	262	
AMPUTATION/RESECTION																
BURN/SCALD (NOT THERM)																
CHEMICAL BURN																
CONTUSION OR BRUISE																
DISLOCATION																
DRIFT IN EYE																
FRACTURE																
HEMORRHOID DISEASE																
POISONING (SYSTEMIC)																
RADIATION (OTHER THAN X-RAY)																
SCRATCH/ABRASION																
STRAIN/SPRAIN																
MULTIPLE INJURIES																
OTHER INJURY, NEC																
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE	3	156	159	315	49	208	8.95	8.95	8.95	2.76	11.71				605	605

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, 1991

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	PERMANENT		TOTAL TEMPORARY	TOTAL FATAL AND NONFATAL	TOTAL INJURIES	FATAL	NONFATAL	ALL FATAL AND NONFATAL	ALL INJURY RATES	FATAL	NONFATAL	ALL FATAL AND NONFATAL
		TOTAL	PARTIAL										
UNDERGROUND MINES													
AMPUTATION/ENUCLEATION	4	48	3	48	48	48	0	0	0	0.8	39	44	44
ASPHYXIATION/DROWNING			3	3	7	8				0.1		1	40
BURN/SCALD (NOT CHEM.)			41	41	41	63				0.7		4	4
CHEMICAL BURN			23	23	23	20				0.4		1	1
CONCUSSION OR BRUISE	13	3	11	11	11	1	0	0	0	0.3		1	1
CUT OR PUNCTURE			1,261	1,261	1,274	1,451	0	2	2	0.9	128	68	196
DISLOCATION			561	561	561	851	0	0	0	0.2		17	17
DUST IN EYE			27	27	27	8				0.1		4	4
ELECTRIC SHOCK	4		47	47	47	39	0	0	0	0.8		1	1
EFFECT BLOW (CONTACT)			17	17	21	2				0.3	39	1	41
FRACTURE	2	1	16	16	16	16	0	0	0	0.1		1	1
HEMORRHOID		40	6	6	6	219	0	1	1	1.4	20	64	83
POISONING (SYSTEMIC)			6	6	6	56				0.4		4	4
RADIATION/ULTRA VIOLET			48	48	48	12				0.1		1	1
SCALD/ABRASION			56	56	56	15				0.8		2	2
STRAIN/SPRAIN			4,026	4,026	4,026	4,323	0	0	0	0.9		360	450
MULTIPLE INJURIES	15	1	566	566	576	131	0	0	0	1.1	147	42	189
OTHER INJURY, NEC	1		64	64	64	14	0	0	0	0.2	10	4	14
UNCLASSIFIED (NO DATA)			142	142	142	59				0.1		32	32
OCCUPATIONAL DISEASES			1	1	1	1				0.1		1	1
TOTAL OR AVERAGE	39	1	7,801	7,808	7,947	1,870	0	12	13	0.2	383	641	1,024
SURFACE AT UNDERGROUND													
AMPUTATION/ENUCLEATION		5		5	5	5				0.8		14	14
ASPHYXIATION/DROWNING			2	2	2	2				0.3		1	1
BURN/SCALD (NOT CHEM.)	1		10	10	11	8	0	0	0	1.3	96	3	98
CHEMICAL BURN			5	5	5	1				0.8		1	1
CONCUSSION OR BRUISE	1		68	68	69	12	0	0	0	0.9	96	38	133
CUT OR PUNCTURE	1		34	34	34	102	0	0	0	1.2	96	6	102
DISLOCATION			4	4	4	4				0.2		5	5
DUST IN EYE			6	6	6	9				0.1		1	1
ELECTRIC SHOCK			2	2	2	1				0.2		2	2
EFFECT BLOW (CONTACT)			38	38	38	21				0.3	20	20	20
FRACTURE		5	5	5	5	5				0.8	4	4	4
HEMORRHOID			4	4	4	2				0.6		1	1
POISONING (SYSTEMIC)			10	10	10	4				0.1		7	7
RADIATION/ULTRA VIOLET			307	307	307	31				0.6		266	266
SCALD/ABRASION			33	33	34	4				0.9	96	23	119
STRAIN/SPRAIN	1		6	6	6	1	0	0	0	0.2	3	3	3
MULTIPLE INJURIES			22	22	22	5				0.8	30	30	30
OTHER INJURY, NEC			561	561	561	202	0	0	0	0.4			
UNCLASSIFIED (NO DATA)													
TOTAL OR AVERAGE	4	10	951	961	966	202	0	8	9	0.1	322	423	806

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI
		PERMANENT		TEMPO RARY											
		TOTAL	PARTIAL		TOTAL NFI										
TOTAL OR AVERAGE, UG															
AMPUTATION/ENUCLEATION			53		53	53	53		08	08		08		41	41
ASPHYXIATION/DROWNING	4			5	5	9	10	01	01	01	(*)	01	36	1	36
BURN/SCALD (NOT CHEM)	1			51	51	52	82	(*)	08	08	04	12	9	4	12
CHEMICAL BURN				28	28	28	49		04	04	03	07		(*)	(*)
CONCUSSION (CEREBRAL)				11	11	11	12		02	02	(*)	02		1	1
CONTUSION OR BRUISE	14		3	1,326	1,329	1,343	157	02	1 97	2 00	23	2 23	125	66	190
CUT OR PUNCTURE	1			595	595	596	953	(*)	88	89	1 42	2 30	9	16	25
DISLOCATION				31	31	31	7		05	05	01	06		4	4
DUST IN EYE				53	53	53	48		08	08	07	15		(*)	(*)
ELECTRIC SHOCK	4			17	17	21	3	01	03	03	(*)	04	36	1	37
ELECT BURN (CONTACT)				18	18	18	18		03	03		03		1	1
FRACTURE	2			732	733	735	240	(*)	1 09	1 09	36	1 45	18	60	78
HERNIA (NOT DISC)			55	6	61	61	61		09	09		09		4	4
POISONING (SYSTEMIC)				10	10	10	3		01	01	(*)	02		(*)	(*)
RADIATION/ULTRA VIOLET				56	56	56	12		08	08	02	10		3	3
SCRATCH/ABRASION				56	56	56	19		08	08	03	11		1	1
STRAIN/SPRAIN		1	3	4,329	4,333	4,333	363		6 44	6 44	54	6 98		343	343
MULTIPLE INJURIES	16		1	593	594	610	135	02	88	91	20	1 11	143	40	183
OTHER INJURY, NEC	1			70	70	71	15	(*)	10	11	02	13		4	13
UNCLASSIFIED (NO DATA)				364	364	364	64		54	54	10	64		32	32
OCCUPATIONAL DISEASES				1	1	1	1		(*)	(*)		(*)		(*)	(*)
TOTAL OR AVERAGE	43	1	116	8,352	8,469	8,512	2,072	06	12 58	12 65	3 08	15 72	383	620	1,004
SURFACE MINES															
STRIP															
AMPUTATION/ENUCLEATION			8		8	8	8		02	02		02		2	2
ASPHYXIATION/DROWNING				2	2	2	1		(*)	(*)	(*)	01		(*)	(*)
BURN/SCALD (NOT CHEM)	1			29	29	30	8	(*)	07	07	02	09	15	1	16
CHEMICAL BURN				5	5	5	10		01	01	02	04		(*)	(*)
CONCUSSION (CEREBRAL)				1	1	1	1		(*)	(*)	(*)	(*)		(*)	(*)
CONTUSION OR BRUISE	2			150	150	152	43	(*)	37	37	10	48	29	9	38
CUT OR PUNCTURE			1	123	124	124	297		30	30	73	1 03		3	3
DERMATITIS				2	2	2	2		(*)	(*)		(*)		(*)	(*)
DISLOCATION				11	11	11	3		03	03	01	03		1	1
DUST IN EYE				15	15	15	35		04	04	09	12		(*)	(*)
ELECTRIC SHOCK	1			3	3	4	4	(*)	01	01		01	15	(*)	15
ELECT BURN (CONTACT)				1	1	1	1		(*)	(*)		(*)		(*)	(*)
FRACTURE				150	150	150	81		37	37	20	56		19	19
HERNIA (NOT DISC)			9	1	10	10	10		02	02		02		1	1
POISONING (SYSTEMIC)				2	2	2	2		(*)	(*)	(*)	01		(*)	(*)
RADIATION/ULTRA VIOLET				12	12	12	5		03	03	01	04		1	1
SCRATCH/ABRASION				12	12	12	9		03	03	02	05		(*)	(*)
STRAIN/SPRAIN		2		621	623	623	87		1 52	1 52	21	1 73		62	62
MULTIPLE INJURIES	3			113	113	116	51	01	28	28	12	41	44	10	54
OTHER INJURY, NEC				20	20	20	9		05	05	02	07		2	2
UNCLASSIFIED (NO DATA)				70	70	70	17		17	17	04	21		11	11
TOTAL OR AVERAGE	7		20	1,343	1,363	1,370	658	02	3 33	3 34	1 61	4 45	103	123	225

TABLE 106 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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENT RATES						SEVERITY MEASURES		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NFI	ALL INJURY RATES	FATAL	NFI	ALL FATAL AND NFI
		PERMANENT	TEMPORARY	TOTAL											
AUGER															
BURN/SCALD (NOT CHEM)															
CHEMICAL BURN															
CONTUSION OR BRUISE															
CUT OR PUNCTURE															
DISLOCATION															
FRACTURE															
HERNIA (NOT DISC)															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE															
CULM BANK															
CUT OR PUNCTURE															
DUST IN EYE															
ELECTRIC SHOCK															
HERNIA (NOT DISC)															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE															
DREDGE															
CUT OR PUNCTURE															
DUST IN EYE															
STRAIN/SPRAIN															
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE															

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	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													
TOTAL OR AVERAGE, SURFACE																
AMPUTATION/ENUCLEATION	-	-	8	-	8	8	8	-	02	02	-	02	-	2	2	
ASPHYXIATION/DROWNING	-	-	-	2	2	2	3	(+)	(+)	(+)	(+)	01	-	(+)	(+)	
BURN/SCALD (NOT CHEM.)	1	-	-	29	29	30	39	(+)	07	07	02	09	14	1	16	
CHEMICAL BURN	-	-	-	5	5	5	11	-	01	01	03	04	-	(+)	(+)	
CONCUSSION (CEREBRAL)	-	-	-	1	1	1	1	-	(+)	(+)	(+)	(+)	-	(+)	(+)	
CONTUSION OR BRUISE	-	-	-	153	153	155	199	(+)	37	37	11	48	29	9	38	
CUT OR PUNCTURE	-	1	-	127	128	128	305	-	31	31	74	1 04	-	3	3	
DERMATITIS	-	-	-	2	2	2	2	-	(+)	(+)	(+)	(+)	-	(+)	(+)	
DISLOCATION	-	-	-	12	12	12	3	-	03	03	01	04	-	1	1	
DUST IN EYE	-	-	-	16	16	16	36	-	04	04	09	13	-	(+)	(+)	
ELECTRIC SHOCK	1	-	-	4	4	5	5	(+)	01	01	-	01	14	(+)	15	
ELECT. BURN (CONTACT)	-	-	-	1	1	1	1	-	(+)	(+)	(+)	(+)	-	(+)	(+)	
FRACTURE	-	-	-	154	154	154	236	-	37	37	20	57	-	19	19	
HERNIA (NOT DISC)	-	11	-	1	12	12	12	-	03	03	-	03	-	1	1	
POISONING (SYSTEMIC)	-	-	-	2	2	2	4	-	(+)	(+)	(+)	01	-	(+)	(+)	
RADIATION/ULTRA VIOLET	-	-	-	12	12	12	5	-	03	03	01	04	-	1	1	
SCRATCH/ABRASION	-	-	-	12	12	12	9	-	03	03	02	05	-	(+)	(+)	
STRAIN/SPRAIN	-	2	-	633	635	635	92	-	1 53	1 53	22	1 75	-	63	63	
MULTIPLE INJURIES	3	-	-	119	119	122	53	01	29	29	13	42	43	10	54	
OTHER INJURY, NEC	-	-	-	20	20	20	9	-	05	05	02	07	-	2	2	
UNCLASSIFIED (NO DATA)	-	-	-	75	75	75	18	-	18	18	04	22	-	11	11	
TOTAL OR AVERAGE	7	-	22	1,380	1,402	1,409	679	02	3 38	3 40	1 64	5 03	101	125	226	
TOTAL OR AVERAGE, MINING																
AMPUTATION/ENUCLEATION	-	61	-	-	61	61	61	-	06	06	-	06	-	26	26	
ASPHYXIATION/DROWNING	4	-	-	7	7	11	2	(+)	01	01	(+)	01	22	(+)	22	
BURN/SCALD (NOT CHEM.)	2	-	-	80	80	82	39	(+)	07	08	04	11	11	3	14	
CHEMICAL BURN	-	-	-	33	33	33	32	-	03	03	03	06	-	(+)	(+)	
CONCUSSION (CEREBRAL)	-	-	-	12	12	12	1	-	01	01	(+)	01	-	1	1	
CONTUSION OR BRUISE	16	3	-	1,479	1,482	1,498	201	01	1 36	1 38	18	1 56	88	44	132	
CUT OR PUNCTURE	1	1	-	722	723	724	1,258	(+)	66	67	1 16	1 82	6	11	17	
DERMATITIS	-	-	-	2	2	2	2	-	(+)	(+)	(+)	(+)	-	(+)	(+)	
DISLOCATION	-	-	-	43	43	43	10	-	04	04	01	05	-	3	3	
DUST IN EYE	-	-	-	69	69	69	84	-	06	06	08	14	-	(+)	(+)	
ELECTRIC SHOCK	5	-	-	21	21	26	3	(+)	02	02	(+)	03	28	1	28	
ELECT. BURN (CONTACT)	-	-	-	19	19	19	19	-	02	02	-	02	-	1	1	
FRACTURE	2	1	-	886	887	889	322	(+)	82	82	30	1 11	11	44	55	
HERNIA (NOT DISC)	-	66	-	7	73	73	73	-	07	07	-	07	-	3	3	
POISONING (SYSTEMIC)	-	-	-	12	12	12	5	-	01	01	(+)	02	-	(+)	(+)	
RADIATION/ULTRA VIOLET	-	-	-	68	68	68	17	-	06	06	02	08	-	2	2	
SCRATCH/ABRASION	-	-	-	68	68	68	28	-	06	06	03	09	-	1	1	
STRAIN/SPRAIN	19	1	5	4,962	4,968	4,968	455	4 57	4 57	42	4 99	-	236	236	236	
MULTIPLE INJURIES	1	-	-	712	711	732	188	02	66	67	17	85	105	29	133	
OTHER INJURY, NEC	-	-	-	90	90	91	24	(+)	08	08	02	11	6	3	9	
UNCLASSIFIED (NO DATA)	-	-	-	439	439	439	82	-	40	40	08	48	-	24	24	
OCCUPATIONAL DISEASES	-	-	-	1	1	1	1	-	(+)	(+)	(+)	(+)	-	(+)	(+)	
TOTAL OR AVERAGE	50	1	138	9,732	9,871	9,921	2,751	05	9 07	9 12	2 53	11 65	276	432	707	

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES				
	FATAL	NFI			TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI	NFI	FATAL	NFDI	ALL FATAL AND NFDI		
		PERMANENT	TEMPORARY	TOTAL NFI												
															FATAL	PARTIAL
INDEPENDENT SHOPS																
ASPHYXIATION/DROWNING							1	1				10	10			
CHEMICAL BURN							1	1				10	10			
CONCUSSION OR BLOW							24	31	7	39	68	2	33	9		
CUT OR PUNCTURE												10	10	13		
DERMATITIS												10	10	10		
DUST IN EYE							5	6	1	10	10	48	58	10		
FRACTURE							1	1		39	39	10	49	42		
HERNIA (NOT DESUL)							1	1		10	10	10	10	5		
RADIATION/ULTRA VIOLET							1	1		10	10	10	10	10		
STRAIN/SPRAIN							2	3		10	10	10	10	10		
MULTIPLE INJURIES							37	40	30	2	94	68	3	113		
OTHER INJURY NOT							2	4	1	10	19	19	39	10		
UNCLASSIFIED (NO DATA)							1	1	1	10	10	10	10	10		
TOTAL OR AVERAGE	1	1	50	51	52	52	47	99	10	4	95	5	58	220		
PROCESSING PLANTS																
ASPHYXIATION/DROWNING								5						25		
CHEMICAL BURN								1						10		
CONCUSSION OR BLOW							9	16	7	10	12	04	16	2		
CUT OR PUNCTURE							2	7	2	05	01	07	10	10		
DISLOCATION							3	3	3	03	02	01	02	2		
DUST IN EYE							16	83	85	60	82	12	73	100		
ELECTRIC SHOCK							130	46	46	33	33	99	1	33		
FRACTURE							14	4	4	07	07	10	17	2		
HERNIA (NOT DESUL)							3	3	3	02	02	02	02	10		
POISONING (SYSTEMIC)							1	1	1	01	01	01	01	10		
RADIATION/ULTRA VIOLET							28	109	81	58	59	20	79	27		
STRAIN/SPRAIN							1	1	1	10	10	01	11	5		
MULTIPLE INJURIES							2	2	2	01	01	01	03	10		
OTHER INJURY NOT							10	10	10	07	07	07	07	1		
UNCLASSIFIED (NO DATA)							3	11	8	06	06	02	08	10		
TOTAL OR AVERAGE	3	16	731	747	750	750	285	1,005	02	5	42	5	44	230		

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	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													
TOTAL OR AVERAGE																
ALL MINES AND PLANTS																
AMPUTATION/ENUCLEATION			66		66	66			05	05		05		26	26	
ASPHYXIATION/DROWNING	4			8	8	12	3	(*)	01	01	(*)	01	19	(*)	20	
BURN/SCALD (NOT CHEM)	2			96	96	98	45	(*)	08	08	04	12	10	3	12	
CHEMICAL BURN				40	40	40	35		03	03	03	06		(*)	(*)	
CONCUSSION (CEREBRAL)				15	15	15	1		01	01	(*)	01		1	1	
CONTUSION OR BRUISE	18	3		1,566	1,569	1,587	218	01	1.27	1.28	18	1.46	87	40	127	
CUT OR PUNCTURE	1	1		775	776	777	1,419	(*)	63	63	1.15	1.78	5	10	15	
DERMATITIS				3	3	3			(*)	(*)		(*)		(*)	(*)	
DISLOCATION				47	47	47	10		04	04	01	05		3	3	
DUST IN EYE				79	79	79	103		06	06	08	15		(*)	(*)	
ELECTRIC SHOCK	5			24	24	29	3	(*)	02	02	(*)	03	24	1	25	
ELECT. BURN (CONTACT)				20	20	20			02	02		02		1	1	
FRACTURE	3	1		970	971	974	351	(*)	79	79	28	1.07	15	42	57	
HERNIA (NOT DISC)			76	12	88	88	1		07	07	(*)	07		3	3	
POISONING (SYSTEMIC)				14	14	14	7		01	01	01	02		(*)	(*)	
RADIATION/ULTRA VIOLET				79	79	79	18		06	06	01	08		2	2	
SCRATCH/ABRASION				76	76	76	33		06	06	03	09		1	1	
STRAIN/SPRAIN		1	7	5,367	5,375	5,375	481		4.35	4.35	39	4.74		223	223	
MULTIPLE INJURIES	20	1		763	764	784	209	02	62	63	17	80	97	27	124	
OTHER INJURY, NEC.	1			96	96	97	28	(*)	08	08	02	10	5	3	8	
UNCLASSIFIED (NO DATA)				462	462	462	88		37	37	07	45		22	22	
OCCUPATIONAL DISEASES				1	1	1			(*)	(*)		(*)		(*)	(*)	
TOTAL OR AVERAGE	54	1	155	10,513	10,669	10,723	3,053	04	8.63	8.68	2.47	11.15	262	407	669	
OFFICE																
CONTUSION OR BRUISE				3	3	3	1		05	05	02	06		1	1	
CUT OR PUNCTURE				1	1	1	5		02	02	08	10		(*)	(*)	
DUST IN EYE							1				02	02				
FRACTURE				2	2	2	1		03	03	02	05		(*)	(*)	
STRAIN/SPRAIN				16	16	16	3		26	26	05	31		18	18	
MULTIPLE INJURIES				4	4	4	4		06	06		06		7	7	
UNCLASSIFIED (NO DATA)				3	3	3			05	05		05		2	2	
TOTAL OR AVERAGE				29	29	29	11		47	47	18	64		29	29	

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, 1991 (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													
GRAND TOTAL OR AVERAGE	-	-	66	-	66	66	-	66	-	05	05	-	05	18	25	25
AMPUTATION/ENUCLEATION	-	-	-	8	8	12	3	15	(*)	01	01	(*)	01	18	(*)	19
ASPHYXIATION/DROWNING	4	-	-	96	96	98	45	143	(*)	07	08	03	11	9	3	12
BURN/SCALD (NOT CHEM.)	2	-	-	40	40	40	35	75	-	03	03	03	06	-	(*)	(*)
CHEMICAL BURN	-	-	-	15	15	15	1	16	-	03	01	(*)	01	-	1	1
CONCUSSION (CEREBRAL)	-	-	-	1,569	1,572	1,590	219	1,809	01	1 21	1 22	17	1 39	83	38	121
CONTUSION OR BRUISE	18	3	-	776	777	778	1,424	2,202	(*)	60	60	1 10	1 70	5	10	14
CUT OR PUNCTURE	1	1	-	3	3	3	-	3	-	(*)	(*)	(*)	(*)	-	(*)	(*)
DERMATITIS	-	-	-	47	47	47	10	57	-	04	04	01	04	-	3	3
DISLOCATION	-	-	-	79	79	79	104	183	-	06	06	08	14	-	(*)	(*)
DUST IN EYE	-	-	-	24	24	29	3	32	(*)	02	02	(*)	02	23	1	24
ELECTRIC SHOCK	5	-	-	20	20	20	-	20	-	02	02	-	02	-	1	1
ELECT. BURN (CONTACT)	-	-	-	972	973	976	352	1,328	(*)	75	75	27	1 02	14	40	54
FRACTURE	3	-	1	12	88	88	1	89	-	07	07	(*)	07	-	3	3
HERNIA (NOT DISC)	-	-	76	14	14	14	7	21	-	01	01	01	02	-	(*)	(*)
POISONING (SYSTEMIC)	-	-	-	79	79	79	18	97	-	06	06	01	07	-	2	2
RADIATION/ULTRA VIOLET	-	-	-	76	76	76	33	109	-	06	06	03	08	-	1	1
SCRATCH/ABRASION	-	-	-	5,383	5,391	5,391	484	5,875	4 15	4 15	37	4 53	213	-	213	213
STRAIN/SPRAIN	-	1	7	767	768	788	209	997	02	59	61	16	77	92	26	118
MULTIPLE INJURIES	20	-	1	96	96	97	28	125	(*)	07	07	02	10	5	3	7
OTHER INJURY, NEC	1	-	-	465	465	465	88	553	-	36	36	07	43	-	21	21
UNCLASSIFIED (NO DATA)	-	-	-	1	1	1	-	1	(*)	(*)	-	(*)	(*)	-	(*)	(*)
OCCUPATIONAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	54	1	155	10,542	10,698	10,752	3,064	13,816	04	8 24	8 28	2 36	10 64	250	389	639

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, 1991

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI	
		TOTAL	PARTIAL	TEMPORARY					PERMANENT	TEMPORARY	TOTAL NFDI				
4	48	48	3	48	1	48	24 000	26 598	403	26 598	554	134	554	3 486	
13	3	1 256	1 1	1 256	146	1 402	78 000	1 356	40 398	119 748	450	54	54	54	
4		27	27	27	27	33			2 372	2 372		88	88	88	
		48	48	48	48	39	87	24 000		108	24 845		50	50	1 183
		17	17	17	17	2	23			845	845		35	35	35
2	1	696	696	56	696	219	918	12 000	375	38 039	51 039	375	33	73	73
	50	6	6	6	6	1	7		2 500	22	2 700	50	4	4	4
		46	46	46	46	12	58			1 249	1 249		27	27	27
		56	56	56	56	15	71			967	967		17	17	17
	3	4 023	4 023	563	4 023	332	4 359	90 000	2 880	205 011	213 891	960	42	200	200
15	1	562	562	65	566	14	80	6 000	2 400	25 745	115 745	2 400	36	126	126
		342	342	342	342	59	401			19 432	19 432		57	57	57
		1	1	1	1	1	1			51	51		51	51	51
39	1	7 808	7 915	1 872	9 826	202	767	24 000	36 103	349 292	625 395	341	45	79	79
	5	2	5	2	5	2	5	6 000	875	12	875	175	6	175	175
		10	10	10	10	8	19			178	6 178		18	6	6
		5	5	5	5	1	6			18	18		4	4	4
		68	68	68	68	12	81	6 000		2 353	8 353		35	121	121
		34	34	34	34	102	137	6 000		403	6 403		12	183	183
		4	4	4	4	1	5			337	6 337		84	84	84
		6	6	6	6	9	15			53	53		9	9	9
		2	2	2	2	1	2			99	99		50	50	50
	5	38	38	5	38	21	59		250	1 240	1 240	50	33	33	33
		4	4	4	4	2	6			11	11		3	3	3
		10	10	10	10	4	10			465	465		46	46	46
		307	307	307	307	31	338	6 000		16 705	16 705		54	54	54
		33	33	33	33	4	38			1 438	7 438		44	219	219
		6	6	6	6	1	7			181	1 181		31	31	31
		22	22	22	22	5	27			1 896	1 896		86	86	86
	10	551	561	202	767	202	767	24 000	1 125	25 392	50 517	112	46	89	89

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, 1981 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFID			TOTAL FATAL AND NFID			TOTAL FATAL AND NFID	PERMANENT	NFID		TOTAL FATAL AND NFID	PERMANENT	TEMPORARY	TOTAL FATAL AND NFID
		TOTAL	TEMPORARY	NFID						TOTAL	PARTIAL				
TOTAL OR AVERAGE, U.S.	4	53	53	53	53	53	24 000	27 473	415	27 473	27 473	518	83	27 713	
AMPUTATION/NUCLEATION	1	51	51	51	51	10	6 000	2 415	2 415	2 415	2 415		47	2 713	
ASPHYXIATION/CHOKING		28	28	28	28	49			185	185	185		7	163	
BURN/SCALD (NOT CHEM.)		11	11	11	11	12			589	589	589		54	58	
CHEMICAL BURN	14	3	1 329	1 329	1 329	1 560	84 000	1 350	42 751	128 101	128 101	450	35	26	
CONCUSSION (CEREBRAL)	1	585	585	585	585	662	6 000		10 751	16 751	16 751		18	28	
CONCUSSION OR BRUISE		31	31	31	31	38			2 709	2 709	2 709		87	3	
CUT OR PUNCTURE		54	54	54	54	102			161	161	161		3	3	
DISLOCATION		17	17	17	17	24	24 000		845	845	845		56	37	
DUST IN EYE	4	1	235	235	235	240	12 000	375	35 904	52 279	52 279		71	1 183	
ELECTRIC SHOCK		55	55	55	55	61		2 750	200	2 950	2 950	50	48	3	
ELECTRIC BURN (CONTACT)	2		16	16	16	13			1 714	1 714	1 714		3	3	
FRACTURE		10	10	10	10	12			967	967	967		37	37	
HEMORRHOID (NOT DISC)		56	56	56	56	75			221 716	236 596	236 596	960	51	53	
POISONING (SYSTEMIC)		4 330	4 330	4 330	4 330	4 697	96 000	2 880	24 783	27 183	27 183	2 400	42	20	
RADIATION (ULTRA VIOLET)	16	1	586	586	586	612	6 000	2 400	2 509	8 509	8 509		59	118	
SCALD/ABRASION	1	364	364	364	364	428	6 000		21 328	21 328	21 328		51	51	
STRAIN/SPRAIN		1	1	1	1	1			51	51	51		45	79	
MULTIPLE INJURIES		116	8 359	8 476	8 519	10 583	298 000	6 000	37 228	374 584	675 912	321			
OTHER INJURY, NEC	43														
UNCLASSIFIED (NO DATA)															
OCCUPATIONAL DISEASES															
TOTAL OR AVERAGE		8	8	8	8	8		975	8	975	975	122	4	122	
SURFACE MINES															
STRIP		2	2	2	2	3			572	572	572		20	4	
ANNUATION/NUCLEATION		29	29	29	29	36	6 000		14	14	14		2	2	
ASPHYXIATION/CHOKING	1	6	6	6	6	11			34	34	34		34	34	
BURN/SCALD (NOT CHEM.)		1	1	1	1	1			3 918	15 918	15 918	75	25	96	
CHEMICAL BURN		158	158	158	158	205	12 000	75	1 205	1 280	1 280		10	10	
CONCUSSION (CEREBRAL)	2	126	126	126	126	433			2	2	2		1	1	
CONCUSSION OR BRUISE		2	2	2	2	2			439	439	439		37	37	
CUT OR PUNCTURE		12	12	12	12	15			30	30	30		2	2	
DEFORMITIES		17	17	17	17	52			40	40	40		13	13	
DISLOCATION		3	3	3	3	4			6	6	6		6	6	
DUST IN EYE	1	1	1	1	1	1	6 000		7 947	7 947	7 947	50	51	51	
ELECTRIC SHOCK		155	155	155	155	236		500	38	538	538		38	4	
ELECTRIC BURN (CONTACT)		10	10	10	10	11			2	2	2		1	1	
FRACTURE		2	2	2	2	4			212	212	212		18	12	
HEMORRHOID (NOT DISC)		12	12	12	12	17			148	148	148		12	12	
POISONING (SYSTEMIC)		12	12	12	12	21			26 591	26 591	26 591	1 525	36	37	
RADIATION (ULTRA VIOLET)		650	650	650	650	744	18 000	3 050	4 414	22 414	22 414		47	184	
SCALD/ABRASION	3	119	119	119	119	174			4 985	4 985	4 985		63	63	
STRAIN/SPRAIN		21	21	21	21	30			4 647	4 647	4 647		34	34	
MULTIPLE INJURIES		24	24	24	24	30			48 202	52 802	52 802	219			
OTHER INJURY, NEC	7						42 000	4 500							
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE		21	1 404	1 425	1 430	2 107									

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, 1997 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL			NON-FATAL			FATAL			NON-FATAL			PERMANENT PARTIAL	AVERAGE SEVERITY	
	TOTAL	PERMANENT		TOTAL	AND NON-FATAL	TOTAL INJURIES	TOTAL	PERMANENT		TOTAL	AND NON-FATAL				
		TOTAL	PARTIAL					TOTAL	PARTIAL			TOTAL			PARTIAL
ALGER BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONJUNCTION OR BRUISE CUT OR PUNCTURE DISLOCATION FRACTURE HERNIA (NOT DISC) STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE															
CLIM. BANK AVIATION/AVIATION CHEMICAL BURN CONJUNCTION OR BRUISE CUT OR PUNCTURE DUST IN EYE ELECTRIC SHOCK FRACTURE HERNIA (NOT DISC) POISONING (SYSTEMIC) SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE															
DEGREE CUT OR PUNCTURE DUST IN EYE STRAIN/SPRAIN UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE															

TABLE 11 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	NFDI			LOST WORKDAYS			AVERAGE SEVERITY		
	FATAL	NFDI		TOTAL FATAL AND NFDI	NFI			FATAL	PERMANENT		TEMPORARY	TOTAL NFDI	TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI
		TOTAL	PARTIAL						TOTAL	PARTIAL						
TOTAL OR AVERAGE		9	2	9	11	9	6,000	5,475	8	5,475	508	4	5,475	608		
AMPUTATION/ENGULFMENT	1		2	2	3	3								4		
ASPHYXIATION/DROWNING	1	29	29	30	39	39	6,000							2		
BURN/SCALD (HOT LIQ.)		7	7	7	13	20								2		
CHEMICAL BURN		1	1	1	1	1								34		
CONCUSSION (CEREBRAL)		163	163	165	212	212	12,000							15,964		
CONTUSION OR BRUISE	2	130	131	131	315	446		75	3,964	1,307				1,307		
CUT OR PUNCTURE		2	2	2	3	16			1,232	2				2		
DERMATITIS		13	13	13	36	55			445	33				34		
DISLOCATION		19	19	19	36	55	6,000		43	43				11		
DUST IN EYE		4	4	5	1	1			6	6				6		
ELECTRIC SHOCK	1	1	1	1	82	242			8,245	36				52		
ELECTRIC BURN (CONTACT)		160	160	160	13	13		600	2	2				38		
FRACTURE		12	12	12	3	5			2	2				1		
HEMIA (NOT DISC.)		1	1	2	3	5			212	153				18		
POISONING (SYSTEMIC)		12	12	12	5	17			212	153				12		
RADIATION/ULTRA VIOLET		13	13	13	9	22			212	153				12		
SCRATCH/ABRASION		666	668	668	97	765	18,000	3,050	24,167	4,811				27,217		
STRAIN/SPRAIN	3	127	127	130	54	184			4,811	985				22,811		
MULTIPLE INJURIES		21	21	21	9	30			4,983	4,983				175		
OTHER INJURY, NEC		79	79	79	18	97			4,983	4,983				47		
UNCLASSIFIED (NO DATA)	7	24	1,452	1,483	701	2,184	42,000	9,200	49,950	4,983				63		
TOTAL OR AVERAGE		67	7	74	701	2,184	42,000	9,200	49,950	4,983	101,150	383	34	68		
TOTAL OR AVERAGE		67	7	74	701	2,184	42,000	9,200	49,950	4,983	101,150	383	34	68		
AMPUTATION/ENGULFMENT	4		7	62	2	62	24,000	32,948	423	32,948	32,948	531	60	531		
ASPHYXIATION/DROWNING	2	80	80	82	39	121	12,000		2,983	2,983	24,423			2,220		
BURN/SCALD (HOT LIQ.)		35	35	35	34	69			200	200	14,983			183		
CHEMICAL BURN		12	12	12	1	13			623	623	200			6		
CONCUSSION (CEREBRAL)	16	1,489	1,492	1,508	205	1,713	96,000	1,350	46,715	48,065	144,065	450	52	96		
CONTUSION OR BRUISE	1	725	726	727	1,269	1,996	6,000	75	11,983	12,058	18,058	75	17	25		
CUT OR PUNCTURE		2	2	2	2	2			2	2				1		
DERMATITIS		44	44	44	10	54			3,154	3,154	3,154			72		
DISLOCATION		73	73	73	84	157			184	184	184			3		
DUST IN EYE		21	21	26	3	29	30,000		888	888	30,888			1,188		
ELECTRIC SHOCK	5	19	19	19	3	19			888	888	668			40		
ELECTRIC BURN (CONTACT)		894	895	897	322	1,219	12,000	375	48,149	48,524	60,524	375	35	35		
FRACTURE	2	67	74	74	74	74			3,350	3,588	3,588	50	34	67		
HEMIA (NOT DISC.)		12	12	12	17	18			35	35	35			3		
POISONING (SYSTEMIC)		68	68	68	16	85			1,976	1,976	1,976			28		
RADIATION/ULTRA VIOLET		69	69	69	17	85			1,120	1,120	1,120			28		
SCRATCH/ABRASION		5,002	5,002	5,002	28	97			245,883	257,813	257,813	1,186	16	52		
STRAIN/SPRAIN	19	4,996	4,996	4,996	460	5,462	114,000	6,000	29,994	31,994	145,994	2,400	41	197		
MULTIPLE INJURIES	1	5	5	5	189	931	6,000		3,494	3,494	9,494			38		
OTHER INJURY, NEC		50	50	50	24	117			26,311	26,311	26,311			102		
UNCLASSIFIED (NO DATA)		443	443	443	82	525			51	51	51			59		
OCCUPATIONAL DISEASES		1	1	1	1	1	300,000	6,000	424,634	477,062	777,062	332	51	51		
TOTAL OR AVERAGE	50	140	9,811	9,952	10,002	12,777	300,000	46,428	424,634	477,062	777,062	332	43	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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	PERMANENT		TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	
		TOTAL NFI	TEMPORARY	TOTAL				PARTIAL						
									TOTAL					PARTIAL
INDEPENDENT SHOPS														
ASPHALTATION/PAVING														
CHEMICAL BURN														
CONCUSSION OR BLOW														
CUT OR PUNCTURE														
DERMATITIS														
DUST IN EYE														
FRACTURE														
HEAVY LIFTING														
RADIATION (X-RAY VOLT)														
SCRATCH/ABRASION														
SLAM IN SPRING														
MULTIPLE INJURIES														
OTHER INJURY NOT CLASSIFIED (NO DATA)														
TOTAL ON AVERAGE														
PROCESSING PLANTS														
ASPHALTATION/PAVING														
CHEMICAL BURN														
CONCUSSION OR BLOW														
CUT OR PUNCTURE														
DERMATITIS														
DUST IN EYE														
FRACTURE														
HEAVY LIFTING														
RADIATION (X-RAY VOLT)														
SCRATCH/ABRASION														
SLAM IN SPRING														
MULTIPLE INJURIES														
OTHER INJURY NOT CLASSIFIED (NO DATA)														
TOTAL ON AVERAGE														

TABLE 11A. NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ANTHRAHITE COAL OPERATIONS IN THE UNITED STATES 1961

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NON-FATAL			TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	FATAL	PERMANENT			TEMPORARY	TOTAL NON-FATAL	TOTAL FATAL AND NON-FATAL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NON-FATAL
		TOTAL	TEMPORARY	TOTAL NON-FATAL				PERMANENT								
								TOTAL	PARTIAL							
UNDERGROUND MINES																
CONCUSSION OR BRUISE							1	1								7
CUT OR PUNCTURE							1	1								26
DUST IN EYE							1	1								30
FRACTURE							1	1								125
STRAIN/SPRAIN							1	1								17
MULTIPLE INJURIES							1	1								17
OTHER INJURY, NEC							1	1								17
TOTAL OR AVERAGE							5	5								384
OPEN PIT MINES																
CONCUSSION OR BRUISE							1	1								7
CUT OR PUNCTURE							1	1								30
DUST IN EYE							1	1								30
FRACTURE							1	1								125
STRAIN/SPRAIN							1	1								17
MULTIPLE INJURIES							1	1								17
OTHER INJURY, NEC							1	1								17
TOTAL OR AVERAGE							9	9								384
SURFACE MINES																
CONCUSSION OR BRUISE							2	2								7
CUT OR PUNCTURE							2	2								30
DISLOCATION							2	2								30
DUST IN EYE							2	2								125
FRACTURE							2	2								17
STRAIN/SPRAIN							2	2								17
MULTIPLE INJURIES							2	2								17
OTHER INJURY, NEC							2	2								17
UNCLASSIFIED (NO DATA)							2	2								17
TOTAL OR AVERAGE							17	17								384
QUARRY MINES																
CONCUSSION OR BRUISE							1	1								7
CUT OR PUNCTURE							1	1								26
DUST IN EYE							1	1								30
FRACTURE							1	1								125
STRAIN/SPRAIN							1	1								17
MULTIPLE INJURIES							1	1								17
OTHER INJURY, NEC							1	1								17
TOTAL OR AVERAGE							7	7								384
OTHER MINES																
CONCUSSION OR BRUISE							1	1								7
CUT OR PUNCTURE							1	1								30
DUST IN EYE							1	1								30
FRACTURE							1	1								125
STRAIN/SPRAIN							1	1								17
MULTIPLE INJURIES							1	1								17
OTHER INJURY, NEC							1	1								17
TOTAL OR AVERAGE							7	7								384
ALL MINES																
CONCUSSION OR BRUISE							1	1								7
CUT OR PUNCTURE							1	1								30
DUST IN EYE							1	1								30
FRACTURE							1	1								125
STRAIN/SPRAIN							1	1								17
MULTIPLE INJURIES							1	1								17
OTHER INJURY, NEC							1	1								17
TOTAL OR AVERAGE							7	7								384

TABLE 11A NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ANTIHURRICANE COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY					
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI				
		PERMANENT	TEMPORARY	TOTAL NFI				TOTAL NFI	TEMPORARY	TOTAL NFI								
															TOTAL	PARTIAL	TOTAL	PARTIAL
TOTAL OR AVERAGE SURFACE AMPUTATION/AMUTATION		1	2	1	1	1		4	500	3	4	500	2	4	500			
CHEMICAL BURN			10	10	10	2		308		71	308		40	40	40			
CONCUSSION OR BLOW			3	3	3	10		71		3	71		24	24	24			
CUT OR PUNCTURE			3	3	3	3		3		3	3		3	3	3			
DISLOCATION			3	3	3	6		364		3	364		61	61	61			
DUST IN EYE			6	6	6	1		50		50	50		50	50	50			
FRACTURE		1			1	1												
HERNIA (NOT DISC)			1	1	1	1		5		5	5		5	5	5			
POISONING (SYSTEMIC)			33	33	33	5		1,037		544	1,037		31	31	31			
SCRATCH/ABRASION			8	8	8	1		544		34	544		68	68	68			
STRAIN/SPRAIN			1	1	1	1		232		232	232		34	34	34			
MULTIPLE INJURIES			4	4	4	4		2694		2694	2694		58	58	58			
OTHER INJURY NOT UNCLASSIFIED (NO DATA)		2	72	74	74	22		7		7	7		37	37	37			
TOTAL OR AVERAGE																		
TOTAL OR AVERAGE MINING AMPUTATION/AMUTATION		1	2	1	1	1		4	500	3	4	500	2	4	500			
CHEMICAL BURN			10	10	10	2		308		71	308		40	40	40			
CONCUSSION OR BLOW			3	3	3	11		71		3	71		24	24	24			
CUT OR PUNCTURE			1	1	1	1		10		10	10		3	3	3			
DISLOCATION			4	4	4	4		442		442	442		55	55	55			
DUST IN EYE			8	8	8	1		50		50	50		50	50	50			
FRACTURE		1			1	1		5		5	5		5	5	5			
HERNIA (NOT DISC)			1	1	1	5		1,065		794	1,065		31	31	31			
POISONING (SYSTEMIC)			34	34	34	1		794		51	794		79	79	79			
SCRATCH/ABRASION			10	10	10	1		232		232	232		26	26	26			
STRAIN/SPRAIN			4	4	4	4		3,078		3,078	3,078		58	58	58			
MULTIPLE INJURIES			79	81	81	24		7		7	7		39	39	39			
OTHER INJURY NOT UNCLASSIFIED (NO DATA)		2			2	24		4		4	4		39	39	39			
TOTAL OR AVERAGE																		
TOTAL OR AVERAGE UNDERGROUND SHAFT CUT OR PUNCTURE			3	3	3	1		172		305	172		86	86	86			
FRACTURE			3	3	3	3		305		571	305		133	133	133			
STRAIN/SPRAIN			5	5	5	1		571		571	571		114	114	114			
TOTAL OR AVERAGE																		

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, 1987 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY										
	FATAL	MFD			TOTAL FATAL AND MFD	TOTAL INJURIES	FATAL	MFD			TOTAL FATAL AND MFD	TEMPORARY	DEGREE NEW PARTIAL	TEMPORARY	TOTAL FATAL AND MFD								
		DEGREE	PARTIAL	TEMPORARY				DEGREE	PARTIAL	TEMPORARY													
POCKETING PLANTS																							
AMPUTATION/FENCIGATION																							
BURN/SCALD (NOT CHEM.)																							
CHEMICAL BURN																							
CONCUSSION OR BRUISE																							
CUT OR PUNCTURE																							
DUST IN EYE																							
FRACTURE																							
RADIATION/ULTRA VIOLET																							
SCRATCH/ABRASION																							
STRAIN/SPRAIN																							
MULTIPLE INJURIES																							
OTHER INJURY, NEC																							
UNCLASSIFIED (NO DATA)																							
TOTAL OR AVERAGE																							
POCKETING PLANTS																							
AMPUTATION/FENCIGATION																							
BURN/SCALD (NOT CHEM.)																							
CHEMICAL BURN																							
CONCUSSION OR BRUISE																							
CUT OR PUNCTURE																							
DISLOCATION																							
DUST IN EYE																							
FRACTURE																							
PERFORATION (DISC)																							
POTPOXING (SYSTEMIC)																							
RADIATION/ULTRA VIOLET																							
SCRATCH/ABRASION																							
STRAIN/SPRAIN																							
MULTIPLE INJURIES																							
OTHER INJURY, NEC																							
UNCLASSIFIED (NO DATA)																							
TOTAL OR AVERAGE																							

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY										
	FATAL	NFDI				TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI							
		TOTAL	PARTIAL	TEMPORARY	TOTAL NFDI					TOTAL	PARTIAL	TEMPORARY					TOTAL NFDI						
																		PERMANENT	TOTAL	PARTIAL			
GRAND TOTAL OR AVERAGE	-	2	-	-	2	2	-	2	-	-	-	4,650	-	-	-	4,650	36	2	2,325	36	2	2,325	
AMPUTATION/ENGULFMENT	-	1	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	36	2	-	36	2	-
BURN/SCALD (NOT CHEM.)	-	2	-	-	2	2	4	6	-	-	-	-	-	-	-	-	-	3	2	-	2	2	-
CHEMICAL BURN	-	19	-	-	19	19	4	23	-	-	-	-	-	-	-	-	-	504	27	-	27	18	-
CONTUSION OR BRUISE	-	11	-	-	11	11	22	33	-	-	-	-	-	-	-	-	-	197	18	-	18	3	-
CUT OR PUNCTURE	-	1	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	3	3	-	3	2	-
DISLOCATION	-	7	-	-	7	7	-	7	-	-	-	-	-	-	-	-	-	15	2	-	2	2	-
DUST IN EYE	-	16	-	-	16	16	2	18	-	-	-	-	-	-	-	-	-	746	47	-	47	50	-
FRACTURE	-	1	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	50	50	-	50	47	-
HERNIA (NOT DISC.)	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-
POISONING (SYSTEMIC)	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
SCRAATCH/ABRASION	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-
STRAIN/SPRAIN	-	67	-	-	67	67	11	78	-	-	-	-	-	-	-	-	-	2,765	41	-	41	79	-
MULTIPLE INJURIES	-	14	-	-	14	14	2	16	-	-	-	-	-	-	-	-	-	1,107	79	-	79	87	-
OTHER INJURY NEC	-	3	-	-	3	3	1	3	-	-	-	-	-	-	-	-	-	260	87	-	87	43	-
UNCLASSIFIED (NO DATA)	-	9	-	-	9	9	1	10	-	-	-	-	-	-	-	-	-	384	43	-	43	68	-
TOTAL OR AVERAGE	-	3	-	156	159	159	49	208	-	-	-	4,700	-	6,048	1,567	39	10,748	1,567	39	1,567	39	68	-

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, 1991

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY						
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	NFI	FATAL	NFDI			TOTAL FATAL AND NFDI					
		PERMANENT	TEMPORARY						PERMANENT	TEMPORARY							
			TOTAL	PARTIAL						TOTAL	PARTIAL						
UNDERGROUND MINES																	
AMPUTATION/AVULSION	4	48	3		48	48	7	24,000	26,598	403		26,598					
ASPHYXIATION/CHOKING			41		41	63	23		2,233	2,233		2,233					
BURN/SCALD (NOT CHEM.)			23		23	43	12		167	167		167					
CHEMICAL BURN			11		11	12			589	589		589					
CONCUSSION (CEREBRAL)	13	3	1,258		1,261	1,419		78,000	1,350	40,398		119,748					
CONTUSION OR BRUISE			561		561	1,412				10,348		10,348					
CUT OR PUNCTURE			27		27	33				2,372		2,372					
DISLOCATION			47		47	86				101		101					
DUST IN EYE	4		17		17	23		24,000		845		24,845					
ELECTRIC SHOCK			17		17	16				563		563					
ELECT. BURN (CONTACT)			16		16	916		12,000	375	38,586		50,961					
FRACTURE	2	1	694		695	56			2,500	22		2,700					
HERNIA (NOT DISC)			6		6	7				1,249		1,249					
POISONING (SYSTEMIC)			6		6	15				967		967					
RADIATION/INTRA VIOLET			46		46	58				213,859		213,859					
SCRATCH/ABRASION			56		56	71				25,495		25,495					
STRAIN/SPRAIN			4,022		4,026	4,368		90,000	2,880	23,086		115,495					
MULTIPLE INJURIES	15	3	560		563	707		6,000	2,400	8,308		14,708					
OTHER INJURY, NEC	1	1	64		65	14				19,432		19,432					
UNCLASSIFIED (NO DATA)			342		342	401				51		51					
OCCUPATIONAL DISEASES			1		1	1											
TOTAL OR AVERAGE	39	106	7,801		7,908	9,817		234,000	36,103	348,908		625,011					
SURFACE AT UNDERGROUND																	
AMPUTATION/AVULSION		5			5	5			875	12		875					
ASPHYXIATION/CHOKING			2		2	2				178		178					
BURN/SCALD (NOT CHEM.)	1		10		10	19		6,000		18		18					
CHEMICAL BURN			5		5	6				2,353		2,353					
CONCUSSION OR BRUISE	1		68		68	81		6,000		403		403					
CUT OR PUNCTURE	1		34		34	137		6,000		337		337					
DISLOCATION			4		4	5				53		53					
DUST IN EYE			6		6	15				99		99					
ELECTRIC SHOCK			6		6	1				1,240		1,240					
ELECT. BURN (CONTACT)			2		2	59				250		250					
FRACTURE		5	38		38	5				11		11					
HERNIA (NOT DISC)			4		4	6				465		465					
POISONING (SYSTEMIC)			10		10	10				16,705		16,705					
RADIATION/INTRA VIOLET			307		307	338		6,000		1,438		1,438					
SCRATCH/ABRASION			33		33	38				184		184					
STRAIN/SPRAIN			6		6	7				1,896		1,896					
MULTIPLE INJURIES	1		22		22	27				25,392		25,392					
OTHER INJURY, NEC			22		22	21				1,125		1,125					
UNCLASSIFIED (NO DATA)			551		551	767		24,000									
TOTAL OR AVERAGE	4	10	551		561	767		24,000	1,125	25,392		50,517					

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY								
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY						
		PERMANENT	NFDI					TOTAL	PARTIAL	TEMPORARY									
			TOTAL	NFDI															
TOTAL OR AVERAGE, U.S.																			
AMPUTATION/ENGULFMENT	4	53	5	53	58	53	24,000	27,473		415	27,473	518	83						
ASPHYXIATION/DROWNING	1		51	52	53	10	6,000			2,411	2,411	2,713	47						
BURN/SCALD (NOI CHEM.)			28	28	28	49				185	185	162	7						
CHEMICAL BURN			11	11	11	12				589	589	54	54						
CONCUSSION (CEREBRAL)	14	3	1,326	1,343	1,343	1,500	84,000	1,350		42,751	44,101	128,101	32						
CONTUSION OR BRUISE	1		595	595	595	1,549	6,000			10,751	10,751	16,751	18						
CUT OR PUNCTURE			31	31	31	38				2,709	2,709	2,709	87						
DUST IN EYE			53	53	53	48				154	154	154	3						
ELECTRIC SHOCK	4		17	17	17	24	24,000			845	845	1,183	50						
ELECT. BURN (CONTACT)			18	18	18	18				662	662	24,845	37						
FRACTURE	2	1	732	733	735	975	12,000	375		39,826	40,201	52,201	54						
HERNIA (NOI DISC)		55	6	61	61	63		2,750		200	2,950	375	33						
POISONING (SYSTEMIC)			56	56	56	12				1,714	1,714	2,950	3						
RADIATION (ULTRA VIOLET)			56	56	56	75				967	967	31	31						
SCRATCH/ABRASION			56	56	56	19				221,684	230,564	51	51						
STRAIN/SPRAIN			4,329	4,333	4,333	4,696		6,000		24,533	26,933	960	17						
MULTIPLE INJURIES	16	1	593	594	594	705	96,000	2,400		2,492	2,492	122,933	41						
OTHER INJURY, NEC	1		70	70	70	86	6,000			21,328	21,328	8,482	36						
UNCLASSIFIED (NO DATA)			364	364	364	428				51	51	51	51						
OCCUPATIONAL DISEASES			1	1	1	1													
TOTAL OR AVERAGE	43	116	8,352	8,469	8,512	10,584	258,000	6,000	37,228	374,300	417,528	321	45						
SURFACE MINES																			
STRIP																			
AMPUTATION/ENGULFMENT		8	2	8	8	8		975		8	975	122	4						
ASPHYXIATION/DROWNING	1		29	29	30	38	6,000			572	6,572	8	20						
BURN/SCALD (NOI CHEM.)			5	5	5	15				12	12	2	2						
CHEMICAL BURN			1	1	1	1				34	34	34	34						
CONCUSSION (CEREBRAL)			150	150	152	195	12,000			3,522	15,522	102	23						
CONTUSION OR BRUISE	2	1	123	124	124	421		75		1,269	1,269	75	9						
CUT OR PUNCTURE			2	2	2	2				2	2	1	1						
DEFORMITIES			11	11	11	14				436	436	40	40						
DISLOCATION			15	15	15	50	6,000			28	28	2	2						
DUST IN EYE	1		3	3	3	4				40	40	13	13						
ELECTRIC SHOCK			1	1	1	1				6	6	6	6						
ELECT. BURN (CONTACT)			150	150	150	231		450		7,612	7,612	51	51						
FRACTURE		9	10	10	10	10				38	488	50	38						
HERNIA (NOI DISC)			2	2	2	4				2	2	1	1						
POISONING (SYSTEMIC)			12	12	12	17				212	212	18	18						
RADIATION (ULTRA VIOLET)			12	12	12	21				148	148	12	12						
SCRATCH/ABRASION			621	623	623	710		3,050		25,582	25,582	1,525	36						
STRAIN/SPRAIN	3	2	113	113	116	167	18,000			4,099	22,099	191	36						
MULTIPLE INJURIES			20	20	20	29				951	951	48	48						
OTHER INJURY, NEC			70	70	70	87				4,415	4,415	63	63						
UNCLASSIFIED (NO DATA)																			
TOTAL OR AVERAGE	7	20	1,343	1,363	1,370	2,028	42,000	4,550		45,803	50,353	228	34						

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDI				TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI
		PERMANENT		TOTAL NFDI												
		TOTAL	PARTIAL													
AUGER																
BURN/SCALD (NOT CHEM.)																15
CHEMICAL BURN																4
CONTUSION OR BRUISE																6
CUT OR PUNCTURE																67
DISLOCATION																50
FRACTURE																70
HERNIA (NOT DISC.)																24
STRAIN/SPRAIN																1
MULTIPLE INJURIES																37
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE																
CULM BANK																
CUT OR PUNCTURE																14
DUST IN EYE																2
ELECTRIC SHOCK																3
HERNIA (NOT DISC.)																50
STRAIN/SPRAIN																25
MULTIPLE INJURIES																48
UNCLASSIFIED (NO DATA)																8
TOTAL OR AVERAGE																22
DREDGE																
CUT OR PUNCTURE																
DUST IN EYE																54
STRAIN/SPRAIN																317
UNCLASSIFIED (NO DATA)																186
TOTAL OR AVERAGE																

TABLE 11B NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY						
	FATAL	NFI			TOTAL FATAL AND NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPORARY					
		PERMANENT	NFI				PERMANENT	NFI									
			TOTAL	PARTIAL				TOTAL	PARTIAL								
TOTAL OR AVERAGE		8	8	2	8		975	8	975	975	122	4					
AMPUTATION/INFILTRATION	1		2	2	2	6,000		572	8	6,572		20					
ASPHYXIATION/CHOKING			29	5	30			12	12	12		2					
BURN/SCALD (HOT LIQ.)			5	1	6			34	34	34		34					
CHEMICAL BURN			153	1	155	12,000		3,566	3,566	15,566		23					
CONCUSSION (CEREBRAL)	2	1	127	2	128			1,236	1,236	1,236	75	9					
CONCUSSION OR BRUISE			2	2	4			2	2	2		1					
CUT OR PUNCTURE			12	16	28			442	442	442		37					
DERMATITIS			12	16	28			30	30	30		2					
DISLOCATION			4	4	8			43	43	43		11					
DUST IN EYE	1		154	1	155	6,000		7,881	7,881	6,043		51					
ELECTRIC SHOCK			154	1	155			588	588	588	50	38					
ELECT. BURN (CONTACT)			12	2	14			2	2	2		1					
FRACTURE		11	12	2	14			212	212	212		18					
HERNIA (NOT DISC)			12	12	24			17	17	17		12					
POISONING (SYSTEMIC)			12	12	24			148	148	148		12					
RADIATION/ULTRA VIOLET			633	12	645			23,130	23,130	26,180	1,525	37					
SCALD/ABRASION		2	119	119	121	18,000		4,267	4,267	22,267		36					
STRAIN/SPRAIN	3		20	20	23			951	951	951		48					
MULTIPLE INJURIES			75	75	150			4,751	4,751	4,751		63					
OTHER INJURY, NEC.																	
UNCLASSIFIED (NO DATA)																	
TOTAL OR AVERAGE	7	22	1,380	1,402	1,409	42,000		47,256	47,256	93,906	211	34					
TOTAL OR AVERAGE MINING																	
AMPUTATION/INFILTRATION	4	61	61	7	68	24,000		423	423	28,448	466	60					
ASPHYXIATION/CHOKING	2		80	80	82	12,000		2,953	2,953	14,953		37					
BURN/SCALD (HOT LIQ.)			33	33	66			197	197	197		6					
CHEMICAL BURN			12	12	24			623	623	623		52					
CONCUSSION (CEREBRAL)	16	3	1,475	1,482	1,498	96,000		46,317	46,317	143,667	450	31					
CONCUSSION OR BRUISE	1	1	722	723	725	6,000		11,912	11,912	17,987	75	16					
CUT OR PUNCTURE			43	43	86			2	2	2		1					
DERMATITIS			69	69	138			3,151	3,151	3,151		73					
DISLOCATION			21	21	42			184	184	184		3					
DUST IN EYE	5		19	19	24	30,000		888	888	30,888		42					
ELECTRIC SHOCK			886	887	889	12,000		668	668	668		35					
ELECT. BURN (CONTACT)	2	66	73	73	146			47,707	47,707	60,082	375	54					
FRACTURE			12	12	24			3,300	3,300	3,300	56	34					
HERNIA (NOT DISC)			68	68	136			35	35	35		3					
POISONING (SYSTEMIC)			68	68	136			1,926	1,926	1,926		28					
RADIATION/ULTRA VIOLET			4,962	4,962	9,924			1,115	1,115	1,115		16					
SCALD/ABRASION		5	712	712	1,424	114,000		244,814	244,814	256,744	1,186	49					
STRAIN/SPRAIN	19	1	90	90	180	6,000		31,700	31,700	145,200	2,400	40					
MULTIPLE INJURIES	1		439	439	878			3,443	3,443	3,443		38					
OTHER INJURY, NEC.			1	1	2			26,079	26,079	26,079		59					
UNCLASSIFIED (NO DATA)								51	51	51		51					
OCCUPATIONAL DISEASES																	
TOTAL OR AVERAGE	50	138	9,732	9,871	9,921	300,000		421,556	421,556	769,434	303	43					

TABLE 11B NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY TYPE FOR MORE LOCATION AND NATURE OF INJURY AT BILDERGROSS COAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

MORE LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY												
	FATAL	NONFATAL		TOTAL FATAL AND NONFATAL	TOTAL INJURIES	FATAL	NONFATAL		TOTAL FATAL AND NONFATAL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NONFATAL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NONFATAL										
		PERMANENT	PARTIAL				TOTAL	PARTIAL																	
INDEPENDENT SORTS																									
ASPHYXIATION/CHOKING																									
CHEMICAL BURN																									
CONCUSSION OR BLOW																									
CUT OR PUNCTURE																									
DEBRIS																									
DESTRUCTION																									
DISINTEGRATION																									
EXHAUSTION																									
FALL																									
FALL FROM HEIGHT																									
FALLING OBJECT																									
FIRE																									
FIRE (NOT DISC)																									
FLAMMABLE LIQUID VIOLET																									
SCALD/ABRASION																									
STRAIN/SPRAIN																									
MULTIPLE INJURIES																									
OTHER INJURY, NEC																									
UNCLASSIFIED (NO DATA)																									
TOTAL OR AVERAGE																									
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
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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, 1961 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY								
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY						
		PERMANENT	NFI					TOTAL	PARTIAL	TEMPORARY									
			TOTAL	PARTIAL															
TOTAL OR AVERAGE																			
ALL MINES AND PLANTS																			
AMPUTATION/ENCAFTATION	4	66	66		66		24 000	31 918		424	31 918	484	53						
ASPHYXIATION/CHOKING	2	8	8		12		12 000	3 276		3 276	24 424	2 035	34						
BURN/SCALD (HOT LIQ.)		96	96		96			218		218	15 276	5	5						
CHEMICAL BURN		40	40		40			875		875	157 484	450	58						
CONCUSSION (CEPHALIC)	18	15	15		15		108 000	48 134		48 134	18 620	75	16						
CONCUSSION OR BRUISE	1	1 566	1 566		1 567		5 000	1 350		12 545	3		1						
CUT OR PUNCTURE		775	775		1 419			75		3	3		72						
DEBRITIS		3	3		3			3 386		3 386	3 386		3						
DYSLOCATION		47	47		47			204		204	204		39						
DUST IN EYE	5	79	79		79		30 000	938		938	30 938		34						
ELECTRIC SHOCK		24	24		24			570		570	70 197	375	53						
ELECT. BURN (CONTACT)	3	20	20		20		18 000	51 822		423	4 223	50	35						
FRACTURE		970	970		974			275		51 822	2 039		26						
HERNIA (NO DISC)		76	76		88			3 800		2 039	41		3						
POISONING (SYSTEMIC)		12	12		14			41		1 131	275 222	934	15						
RADIATION (X-RAY VIOLET)		79	79		79			2 039		1 131	153 266	2 400	46						
SCRATCH/ABRASION		76	76		76			6 539		262 683	33 583		37						
STRAIN/SPRAIN	20	5 367	5 375		5 375		120 000	2 400		30 866	153 266	2 400	60						
MULTIPLE INJURIES	1	7	7		7		6 000	6 000		27 593	27 593		51						
OTHER INJURY NEC		1	1		1					51	51		77						
UNCLASSIFIED (NO DATA)		462	462		462					51	51		60						
OCCUPATIONAL DISEASES		1	1		1					51	51		51						
TOTAL OR AVERAGE	54	1 155	10 513	10 569	10 723	3 053	324 000	503 362	46 457	490 905	527 362	300	43						
OFFICE																			
CONCUSSION OR BRUISE		3	3		3			64		64	64		21						
CUT OR PUNCTURE		1	1		1			2		2	2		2						
DUST IN EYE																			
FRACTURE		2	2		2			27		27	27		14						
STRAIN/SPRAIN		16	16		16			1 109		1 109	1 109		69						
MULTIPLE INJURIES		4	4		4			464		464	464		116						
UNCLASSIFIED (NO DATA)		3	3		3			130		130	130		43						
TOTAL OR AVERAGE		29	29	29	29	11		1 796		1 796	1 796		62						

TABLE 11B NUMBER OF INJURIES, LOS, HOURS, AND AVERAGE SEVERITY BY NATURE OF INJURY, LOCATION AND NATURE OF INJURY
 BY BUSINESS FOR OPERATIONS IN THE UNITED STATES 1967-1976

NATURE OF INJURY	NUMBER OF INJURIES						LOS HOURS					AVERAGE SEVERITY										
	TOTAL	NFI			TOTAL INJURIES	NFI	TOTAL LOS HOURS	NFI			TOTAL LOS HOURS	PERMANENT PARTIAL	TOTAL PARTIAL	TOTAL LOS HOURS								
		PERMANENT	NFI					TOTAL	PERMANENT	NFI												
			TOTAL	NFI						TOTAL	NFI											
CRANE, LIFT, OR LIFTING	1																					
APPLICATION OF FORCE	1																					
ASPHALT, CONCRETE, OR	1																					
BURN, SCALD, OR OTHER	1																					
CHEMICAL BURN	1																					
CONCUSSION, Laceration,	1																					
CONTUSION, OR BRUISE	1																					
CUT OR PUNCTURE	1																					
DERMATITIS	1																					
DISLOCATION	1																					
BLIND IN EYE	1																					
ELECTRIC SHOCK	1																					
ELECTRIC BURN, CONTACT	1																					
EXHAUSTION	1																					
HEAVY LIFTING	1																					
POISONING, SYSTEMIC	1																					
RADIATION, OTHER, NON-IONIZING	1																					
SCALD, BURN, OR SCALD	1																					
STRAIN, SPRAIN	1																					
MULTIPLE INJURIES	1																					
OTHER INJURY NOT	1																					
UNCLASSIFIED, NO DATA	1																					
OCCUPATIONAL DISEASES	1																					
TOTAL OF AVERAGE	1																					

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, 1991

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY										
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI								
		PERMANENT	TEMPORARY	TOTAL NFI					TOTAL	PARTIAL	TEMPORARY												
FAR																							
BURN/SCALD (NOT CHEM.)		6	6	6	6	3	9				104	104		17	17								
CHEMICAL BURN		2	2	2	2	2	2				3	3		2	2								
CONTUSION OR BRUISE		2	2	2	2	1	3				30	30		15	15								
CUT OR PUNCTURE		22	22	22	22	40	62				516	516		23	23								
MULTIPLE INJURIES		1	1	1	1	1	1				1	1		1	1								
OTHER INJURY, NEC		2	2	2	2	2	2				69	69		34	34								
UNCLASSIFIED (NO DATA)																							
TOTAL OR AVERAGE		35	35	35	35	45	80				723	723		21	21								
EYE																							
BURN/SCALD (NOT CHEM.)		5	5	5	5	12	17				44	44		9	9								
CHEMICAL BURN		27	27	27	27	28	55				60	60		2	2								
CONTUSION OR BRUISE		10	10	10	10	151	12				28	28		3	3								
CUT OR PUNCTURE		96	96	96	96	247	247				633	633		7	7								
DUST IN EYE		86	86	86	86	104	190				219	219		3	3								
RADIATION/ULTRA VIOLET		33	33	33	33	44	44				546	546		17	17								
SCRAATCH/ABRASION		43	43	43	43	28	71				103	103		2	2								
MULTIPLE INJURIES		10	10	10	10	16	16				58	58		6	6								
OTHER INJURY, NEC		11	11	11	11	10	21				87	87		8	8								
UNCLASSIFIED (NO DATA)		1	1	1	1	1	2				11	11		11	11								
TOTAL OR AVERAGE		322	322	322	322	394	676				1,789	1,789		6	6								
JAW																							
CONTUSION OR BRUISE		4	4	4	4	4	4				92	92		23	23								
CUT OR PUNCTURE		3	3	3	3	27	30				5	5		2	2								
DISLOCATION		1	1	1	1		1				32	32		32	32								
FRacture		5	5	5	5		5				198	198		40	40								
MULTIPLE INJURIES		2	2	2	2	2	2				101	101		50	50								
TOTAL OR AVERAGE		15	15	15	15	27	42				429	429		29	29								
NOSE/THEAT/TONGUE																							
CHEMICAL BURN		17	17	17	17	1	1				91	91		5	5								
CONTUSION OR BRUISE		4	4	4	4	45	67				8	8		2	2								
CUT OR PUNCTURE		8	8	8	8	6	14				36	36		4	4								
FRacture		1	1	1	1	1	1				2	2		2	2								
MULTIPLE INJURIES		1	1	1	1	3	4				5	5		5	5								
OTHER INJURY, NEC																							
UNCLASSIFIED (NO DATA)																							
TOTAL OR AVERAGE		31	31	31	31	119	150				142	142		5	5								

TABLE 12 NUMBER OF INJURIES, LOSS WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY
AT ALL CON. OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOSS WORKDAYS						AVERAGE SEVERITY			
	FATAL	MEN			TOTAL FATAL AND MEN	NON	TOTAL INJURIES	FATAL	MEN			TOTAL FATAL AND MEN	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND MEN	
		PERMANENT	TOTAL						PERMANENT	TOTAL	TEMPORARY					TOTAL
			TOTAL	PARTIAL												
NOSE CONCUSSION OR BRUISE CUT OR PUNCTURE FRACTURE MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE			8 16 6 1 31		8 16 6 1 31	3 20 8 8 39	3 28 24 14 70				165 251 67 6 489	165 251 67 6 489		21 16 11 6 16	21 16 11 6 16	
SCALP CUT OR PUNCTURE MULTIPLE INJURIES TOTAL OR AVERAGE			2 1 3		2 1 3	5 1 5	7 1 8				14 88 102	14 88 102		7 88 34	7 88 34	
SKULL FRACTURE TOTAL OR AVERAGE	2 2					2 2	2 2	12 000 12 000				12 000 12 000			6 000 6 000	
FACE, NEC BURN/SCALD (NOT CHEM) CHEMICAL BURN CONCUSSION OR BRUISE CUT OR PUNCTURE FRACTURE RADIATION/OTHER TBA VIOLET SCRATCH/ABRASION MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE			6 3 3 20 12 1 1 9 6 61		6 3 3 20 12 1 1 9 6 61	1 1 1 54 4 1 2 7 71	7 4 4 74 16 2 16 6 132				9 24 50 164 386 5 2 272 125 1 037	9 24 50 164 386 5 2 272 125 1 037		2 8 17 8 32 5 2 30 21 17	2 8 17 8 32 5 2 30 21 17	
HEAD, NEC BURN/SCALD (NOT CHEM) CHEMICAL BURN CONCUSSION (CEREBRAL) CONCUSSION OR BRUISE CUT OR PUNCTURE FRACTURE SCRATCH/ABRASION MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	5 1 6		2 15 35 63 3 1 24 11 157		2 15 35 63 3 1 24 11 157	3 1 5 149 1 13 6 178	5 2 16 45 212 3 30 1 342	30 000 6 000 36 000			105 2 875 716 694 86 9 3 418 37 422 6 364	105 2 875 716 694 86 9 3 418 37 422 6 364		52 1 58 20 11 29 9 42 37 42 25	52 1 58 20 11 29 9 42 37 42 25	

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, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY										
	FATAL	NEW			TOTAL FATAL AND NEW	TOTAL INJURIES	NEW	FATAL	PERMANENT			TOTAL FATAL AND NEW	PERMANENT NEW	TOTAL FATAL AND NEW							
		TOTAL	TEMPORARY	TOTAL					TOTAL	PARTIAL											
NECK																					
BURN/SCALD (NOT CHEM)		20	4	20	20	2	2					1,000	51	51							
CONCUSSION OR BRUISE		4	8	4	4	22	9					65	16	16							
CUT OR PUNCTURE		8	1	8	8	13	1					252	32	32							
FRACTURE		1	1	1	1	8	1					1	1	1							
SCRATCH/ABRASION						40	54			600		12,057	600	600							
STRAIN/SPRAIN		346	9	347	347	10	1					471	47	47							
MULTIPLE INJURIES		7	7	7	7	8	1					204	24	24							
OTHER INJURY, NEC		33	33	33	33	40	7					2,004	61	61							
UNCLASSIFIED (NO DATA)																					
TOTAL OR AVERAGE		428	428	428	428	505	76			600		15,024	600	37							
UPPER ARM																					
BURN/SCALD (NOT CHEM)		5	4	5	5	4	6					40	8	8							
CONCUSSION OR BRUISE		4	1	4	4	10	1					115	25	25							
CUT OR PUNCTURE		1	9	1	1	1	1					188	188	188							
FRACTURE		5	1	5	5	9	1					748	83	83							
SCRATCH/ABRASION						1						36	36	36							
STRAIN/SPRAIN		1	1	1	1	1						1	1	1							
MULTIPLE INJURIES		20	20	20	20	25	6					1,127	36	36							
OTHER INJURY, NEC																					
UNCLASSIFIED (NO DATA)																					
TOTAL OR AVERAGE																					
ELBOW																					
BURN/SCALD (NOT CHEM)		62	8	62	62	7	12					1,367	22	22							
CONCUSSION OR BRUISE		8	1	8	8	16	8					149	14	14							
CUT OR PUNCTURE		1	1	1	1	1	1					35	35	35							
DISLOCATION		25	1	25	25	25	1					909	166	166							
FRACTURE		49	49	49	49	54	5					1,666	166	166							
RADIATION (W/ OR W/O F)		8	8	8	8	8						2,370	48	48							
STRAIN/SPRAIN		2	2	2	2	3	1					54	35	35							
MULTIPLE INJURIES		10	10	10	10	15	5					38	19	19							
OTHER INJURY, NEC		166	166	166	166	198	32					417	47	47							
UNCLASSIFIED (NO DATA)																					
TOTAL OR AVERAGE																					
FOREARM																					
APPLICATION/ENCLAVATION		2	3	2	2	2	1			1,200		7,200	3	3							
BURN/SCALD (NOT CHEM)		3	28	3	3	4	33					22	34	34							
CONCUSSION OR BRUISE		15	15	15	15	69	54					949	30	30							
CUT OR PUNCTURE		18	18	18	18	19	1					446	36	36							
FRACTURE		1	1	1	1	1	1					1,667	13	13							
RADIATION (W/ OR W/O F)		2	2	2	2	2						3	2	2							
STRAIN/SPRAIN		13	13	13	13	13	1					337	26	26							
STRAIN/SPRAIN		4	4	4	4	4						167	42	42							
MULTIPLE INJURIES		1	1	1	1	1						22	22	22							
OTHER INJURY, NEC																					
UNCLASSIFIED (NO DATA)																					
TOTAL OR AVERAGE																					

TABLE 12 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE (OF PART OF BODY INJURED AND NATURE OF INJURY AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991) (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY								
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY						
		PERMANENT		TOTAL				PERMANENT		TOTAL									
		TOTAL	PARTIAL					TOTAL	PARTIAL										
HAIR																			
BURN/SCALD (NOT CHEM)		3	16	10	3	6				36	36		12						
CONCUSSION OR BLOW		3	16	10	3	6				36	36		23						
CUT OR PUNCTURE		3	16	10	3	21				124	124		12						
DISLOCATION		3	34	3	34	8				483	483		161						
FRACTURE		3	34	3	34	42				1 513	1 513		44						
RADIATION/ULTRA VIOLET		1	1	1	1	1				11	11		11						
SCRATCH/ABRASION		1	1	1	1	1				3	3		3						
STRAIN/SPRAIN		69	69	12	69	74				2 143	2 143		31						
MULTIPLE INJURIES		12	12	1	12	13				488	488		41						
OTHER INJURY NEC		1	1	1	1	1				9	9		9						
UNCLASSIFIED (NO DATA)		5	5	5	5	7				221	221		44						
TOTAL OR AVERAGE		155	155		155	201				5 352	5 352		35						
HAND																			
BURN/SCALD (NOT CHEM)		14	14	1	14	19				156	156		11						
CHEMICAL BURN		1	1	1	1	2				6	6		6						
CONCUSSION OR BLOW		94	94	78	94	110				2 088	2 088		22						
CUT OR PUNCTURE		78	78	8	78	172				1 875	1 875		24						
ELECTRIC BURN (CONTACT)		8	8	1	8	8				96	96		12						
FRACTURE		77	77	21	77	96				3 501	3 501		45						
RADIATION/ULTRA VIOLET		21	21	1	21	25				410	410		20						
SCRATCH/ABRASION		1	1	1	1	1				3	3		3						
STRAIN/SPRAIN		16	16	1	16	19				181	181		11						
MULTIPLE INJURIES		36	36	2	36	52				1 553	1 553		43						
OTHER INJURY NEC		2	2	2	2	2				83	83		42						
UNCLASSIFIED (NO DATA)		21	21	21	21	26				761	761		36						
TOTAL OR AVERAGE		369	369		369	616				10 713	10 713		29						
FINGERS																			
AMPUTATION/AVULSION		56	56	2	56	56				9 645	9 645	1/2	172						
BURN/SCALD (NOT CHEM)		2	2	1	2	5				56	56		28						
CHEMICAL BURN		163	163	163	163	238				4	4		4						
CONCUSSION OR BLOW		272	272	11	272	495				3 927	3 927	7/5	24						
CUT OR PUNCTURE		11	11	11	11	18				4 119	4 119		15						
DISLOCATION		4	4	4	4	7				476	476		43						
ELECTRIC BURN (CONTACT)		227	227	227	227	196				44	44		11						
FRACTURE		227	227	227	227	423				6 385	6 385		28						
RADIATION/ULTRA VIOLET		1	1	1	1	1				20	20		20						
SCRATCH/ABRASION		1	1	1	1	3				445	445		148						
STRAIN/SPRAIN		33	33	33	33	27				619	619		21						
MULTIPLE INJURIES		152	152	152	152	231				3 286	3 286		24						
OTHER INJURY NEC		3	3	3	3	8				40	40		13						
UNCLASSIFIED (NO DATA)		15	15	15	15	23				247	247		16						
TOTAL OR AVERAGE		860	860		860	1 805				9 720	9 720	1/1	23						

TABLE 12 NUMBER OF INJURIES, LOSS WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ALL COAL OPERATIONS IN THE UNITED STATES 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOSS WORKDAYS					AVERAGE SEVERITY										
	FATAL	MED			TOTAL FATAL AND MED	NON	TOTAL INJURIES	FATAL	MED			TOTAL FATAL AND MED	PERMANENT PARTIAL	TEMPORARY							
		PERMANENT	TEMPORARY						TOTAL	PARTIAL	TEMPORARY										
			TOTAL	PARTIAL																	
UPPER EXTREMITIES, NEC																					
AMPUTATION/EXCISE	1	2	5	2	2	2	2	6 000	9 000		37	9 000	4 500	7							
BURN/SCALD (NOT CHEM.)			1	5	6	1	13				3	6 037		3							
CHEMICAL BURN	1		33	33	34	6	40	6 000			918	5 918		28							
CONCUSSION OR BRUISE			24	24	24	37	61				443	443		18							
CUT OR PUNCTURE			1	1	2	2	2				1	1		1							
DERMATITIS			2	2	2	6	41				57	57		28							
ELECT. BURN (CONTACT)			35	35	35	2	2				2 087	2 087		60							
FRACTURE			2	2	2	1	3				55	55		28							
RADIATION/ULTRA VIOLET			3	3	3	1	4				108	108		36							
SCRATCH/ABRASION			46	46	46	5	51				1 190	1 190		26							
STRAIN/SPRAIN			24	24	24	4	28				766	766		32							
MULTIPLE INJURIES			4	4	4	4	4				95	95		24							
OTHER INJURY, NEC			20	20	20	1	21				1 875	1 875		94							
UNCLASSIFIED (NO DATA)																					
TOTAL OR AVERAGE	2	2	200	200	204	70	274	12 000	9 000		7 635	28 635	4 500	38							
ABDOMEN																					
BURN/SCALD (NOT CHEM.)			1	1	1	1	1				9	9		9							
CONCUSSION OR BRUISE			5	5	5	5	5				38	38		8							
CUT OR PUNCTURE			1	1	1	4	5				12	12		12							
STRAIN/SPRAIN			47	47	47	5	52				736	736		16							
OTHER INJURY, NEC			1	1	1	1	2				47	47		47							
UNCLASSIFIED (NO DATA)			3	3	3	3	3				79	79		26							
TOTAL OR AVERAGE			58	58	58	10	68				921	921		16							
BACK																					
CONCUSSION OR BRUISE			144	144	144	5	149				7 473	7 473		52							
CUT OR PUNCTURE			26	26	26	2	27				2 771	2 771		107							
FRACTURE			1	1	1	1	1				120	120		120							
RADIATION/ULTRA VIOLET			4	4	4	4	4				135	135		34							
SCRATCH/ABRASION			2 992	2 992	2 992	258	3 250				161 101	172 350	1 322	34							
STRAIN/SPRAIN			36	36	36	1	37				2 035	2 035		58							
MULTIPLE INJURIES			26	26	26	3	29				1 375	1 375		57							
OTHER INJURY, NEC			101	101	101	8	109				8 896	8 896		88							
UNCLASSIFIED (NO DATA)																					
TOTAL OR AVERAGE	1	4	3 330	3 330	3 335	278	3 613				183 906	195 195	1 322	59							
CHEST																					
CONCUSSION OR BRUISE	2		77	77	79	9	88				1 153	1 153		15							
CUT OR PUNCTURE	1		1	1	2	4	6				8	6 008		8							
FRACTURE			72	72	72	11	83				2 229	2 229		31							
RADIATION/ULTRA VIOLET			1	1	1	1	1				1	1		1							
SCRATCH/ABRASION			1	1	1	1	1				1	1		1							
STRAIN/SPRAIN			44	44	44	2	46				1 574	1 574		36							
MULTIPLE INJURIES			8	8	10	3	13				124	124		16							
OTHER INJURY, NEC			1	1	1	2	3				90	90		90							
UNCLASSIFIED (NO DATA)			6	6	6	2	8				127	127		21							
TOTAL OR AVERAGE	5		211	211	216	31	247	30 000			5 307	35 307		25							
HEAD																					
CONCUSSION OR BRUISE			77	77	79	9	88				1 153	1 153		15							
CUT OR PUNCTURE			1	1	2	4	6				8	6 008		8							
FRACTURE			72	72	72	11	83				2 229	2 229		31							
RADIATION/ULTRA VIOLET			1	1	1	1	1				1	1		1							
SCRATCH/ABRASION			1	1	1	1	1				1	1		1							
STRAIN/SPRAIN			44	44	44	2	46				1 574	1 574		36							
MULTIPLE INJURIES			8	8	10	3	13				124	124		16							
OTHER INJURY, NEC			1	1	1	2	3				90	90		90							
UNCLASSIFIED (NO DATA)			6	6	6	2	8				127	127		21							
TOTAL OR AVERAGE	5		211	211	216	31	247	30 000			5 307	35 307		25							

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, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY								
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	NFI	TOTAL FATAL AND NFI	FATAL	NFI			TOTAL FATAL AND NFI						
		PERMANENT	TOTAL							PERMANENT	TOTAL								
			TOTAL	PARTIAL							TOTAL	TEMPORARY							
PELVIC REGION																			
BURN/SCALD (NOT CHEM.)			2		2	3	1	41				41	20						
CHEMICAL BURN			47		47	53	6	1,240				1,240	26						
CONTUSION OR BRUISE			2		2	3	3	42				42	21						
CUT OR PUNCTURE			4		4	4	4	397				397	99						
DISLOCATION			16		16	17	1	1,416				1,416	88						
FRACTURE		77	12		89	90	1	4,273				4,273	35						
HEMATOMA (NOT DISC.)			155		155	175	19	4,460		3,850		4,460	48						
STRAIN/SPRAIN		1	5		5	5	1	103		50		103	29						
MULTIPLE INJURIES			7		7	8	1	99				99	21						
OTHER INJURY, NEC			13		13	14	1	327				327	14						
UNCLASSIFIED (NO DATA)													25						
TOTAL OR AVERAGE		78	263	341	341	375	34	12,448		3,900		12,448	33						
SHOULDER(S)																			
CONTUSION OR BRUISE			79		79	89	10	3,380				3,380	43						
CUT OR PUNCTURE			5		5	7	2	31				31	6						
DISLOCATION			16		16	18	2	1,301				1,301	81						
FRACTURE			20		20	21	1	1,043				1,043	52						
SCALD/ABRASION			2		2	2	2	11				11	6						
STRAIN/SPRAIN		1	227		227	249	22	12,595		600		13,195	600						
MULTIPLE INJURIES			15		15	16	1	914				914	56						
OTHER INJURY, NEC			3		3	3	3	221				221	6						
UNCLASSIFIED (NO DATA)			21		21	25	4	1,041				1,041	74						
TOTAL OR AVERAGE		1	387	388	388	430	42	21,137		600		21,137	50						
TRUNK, NEC																			
BURN/SCALD (NOT CHEM.)			1		1	1	1	1				1	1						
CONTUSION OR BRUISE	4	1	57		58	67	5	3,546	24,000	600		4,146	62						
CUT OR PUNCTURE			3		3	8	5	33				33	11						
FRACTURE			8		8	8	8	1,516				1,516	190						
STRAIN/SPRAIN			73		73	82	9	3,343				3,343	46						
MULTIPLE INJURIES			28		28	30	4	1,560				1,560	56						
OTHER INJURY, NEC			2		2	2	2	17				17	8						
UNCLASSIFIED (NO DATA)			20		20	23	3	1,146				1,146	57						
TOTAL OR AVERAGE	4	1	197	193	197	223	26	11,162	24,000	600		11,762	58						

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, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY																
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	NFI	FATAL	NFI			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI													
		PERMANENT	TOTAL						TOTAL	PARTIAL																	
			TOTAL	NFI																							
THIGH			3	3	3	3								130													
BURN/SCALD (NOT CHEM.)			27	27	27	28								22													
CUT/SCALD BURN			16	16	16	42								12													
CONTUSION OR BRUISE			5	5	5	5								98													
CUT OR PUNCTURE			1	1	1	1								2													
FRACTURE			1	1	1	1								51													
RAUATION/UTR A VIOLET			10	10	10	10								18													
SCRAATCH/ABRASION			8	8	8	9								22													
STRAIN/SPRAIN			1	1	1	1								24													
MULTIPLE INJURIES			1	1	1	2								11													
OTHER INJURY, NEC			73	73	73	103								29													
UNCLASSIFIED (NO DATA)																											
TOTAL OR AVERAGE																											
KNIFE			180	180	180	193								22													
BURN/SCALD (NOT CHEM.)			25	25	25	47								31													
CUT OR PUNCTURE			16	16	16	7								13													
DISLOCATION			13	13	13	14								56													
FRACTURE			2	2	2	2								78													
SCRAATCH/ABRASION			687	687	687	733								25													
STRAIN/SPRAIN			30	30	30	34								51													
MULTIPLE INJURIES			9	9	9	13								41													
OTHER INJURY, NEC			54	54	54	64								29													
UNCLASSIFIED (NO DATA)			1	1	1	1								33													
OCCUPATIONAL DISEASES			1,008	1,008	1,008	1,109								51													
TOTAL OR AVERAGE														45													
LOWER LEG			3	3	3	3								46													
AMPUTATION/ENUCLEATION			1	1	1	2								3,000													
BURN/SCALD (NOT CHEM.)			35	35	35	36								46													
CONTUSION OR BRUISE			12	12	12	24								10													
CUT OR PUNCTURE			43	43	43	44								64													
FRACTURE			1	1	1	1								123													
SCRAATCH/ABRASION			8	8	8	9								1													
STRAIN/SPRAIN			8	8	8	10								18													
MULTIPLE INJURIES			3	3	3	3								22													
OTHER INJURY, NEC			112	112	112	146								37													
UNCLASSIFIED (NO DATA)			3	3	3	31								132													
TOTAL OR AVERAGE														65													
														141													

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, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					TOTAL FATAL AND NFDI	TOTAL INJURIES	NFI	LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDI			FATAL				NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI		
		TOTAL	PERMANENT	TEMPORARY					TOTAL	PERMANENT	PARTIAL						
																TOTAL	PARTIAL
ANKLE BURN/SCALD (NOI CHEM) CONTUSION OR BRUISE CUT OR PUNCTURE DISLOCATION FRACTURE RADIATION/ULTRA VIOLET STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE		3 25 3 2 81 1 294 15 9 433	3 25 3 2 81 1 294 15 9 433	3 25 3 2 81 1 294 15 9 433	3 6 1 6 21 2 36	3 3 3 2 81 1 294 15 9 433	3 31 4 2 87 1 315 17 9 469	6 1 1 6 21 2 36	73 411 62 215 4,407 26 5,331 418 564 11,507	73 411 62 215 4,407 26 5,331 418 564 11,507	24 16 21 108 54 26 18 28 63 27	24 16 21 108 54 26 18 28 63 27	24 16 21 108 54 26 18 28 63 27				
FOOT BURN/SCALD (NOI CHEM) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE ELECT. BURN (CONTACT) FRACTURE SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE		3 192 27 1 140 28 28 1 23 443	3 194 27 1 141 28 28 1 23 446	3 194 27 1 141 28 28 1 23 446	1 11 15 10 2 2 47	3 194 27 1 141 28 28 1 23 446	3 205 42 1 151 30 30 28 493	1 1 1 1 1 2 5 47	64 4,878 548 6 8,162 274 755 6 1,301 14,869	64 4,878 548 6 8,162 274 755 6 1,301 14,869	21 22 20 6 56 10 27 6 57 34	21 22 20 6 56 10 27 6 57 34	21 22 20 6 56 10 27 6 57 34				
TOE(S) AMPUTATION/ENUCLEATION CONTUSION OR BRUISE CUT OR PUNCTURE DISLOCATION FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE		5 5 4 1 38 4 5 57	5 5 4 1 38 4 5 62	5 5 4 1 38 4 5 62	5 1 2 12 2 17	5 5 4 1 38 4 5 62	5 6 6 1 50 4 7 79	5 1 2 12 2 17	1,723 50 69 46 762 44 79 1,050	1,723 50 69 46 762 44 79 1,050	345 10 17 46 20 20 11 16 45	345 10 17 46 20 20 11 16 45	345 10 17 46 20 20 11 16 45				
LOWER EXTREMITIES, NEC BURN/SCALD (NOI CHEM) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE DISLOCATION FRACTURE SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE		3 100 24 1 49 2 59 34 3 12 290	3 100 24 1 49 2 59 34 3 12 290	3 100 24 1 49 2 59 34 3 12 290	5 32 3 1 1 4 47	3 100 24 1 49 2 59 34 3 12 290	3 106 56 1 52 3 60 38 12 337	5 32 3 1 1 4 47	81 3,164 836 10 4,633 46 2,607 1,750 165 409 13,818	81 3,164 836 10 4,633 46 2,607 1,750 165 409 13,818	27 39 32 35 35 95 23 44 51 55 34 48	27 39 32 35 35 95 23 44 51 55 34 48	27 39 32 35 35 95 23 44 51 55 34 48				

TABLE 12 NUMBER OF INJURIES, LOSI WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY
AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOSI WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI				TOTAL FATAL AND NFI	NFI	TOTAL FATAL AND NFI	FATAL	PERMANENT			TOTAL FATAL AND NFI	TEMPORARY PARTIAL	TOTAL FATAL AND NFI
		TOTAL	PARTIAL	TEMPORARY	TOTAL					TOTAL	PARTIAL				
4	8	8	12	3	15	24,000		424	424	24,424	53	2,035			
5	24	24	29	3	32	30,000		938	30,938	39	1,067				
1	14	14	1	8	22	6,000		41	6,000	3	3				
10					1							6,000			
TOTAL OR AVERAGE		46	46	56	14	70	60,000		1,403	61,403	30	1,096			
MULTIPLE PARTS OF BODY															
BURN/SCALD (HOT CHEM)	1	33	33	34	3	37	6,000		2,017	8,017	61	236			
CHEMICAL BURN		2	2	2	1	3			2	2	1	1			
CONTUSION OR BRUISE	6	140	140	146	10	156	36,000		6,074	42,074	43	288			
CUT OR PUNCTURE		18	18	18	11	29			274	274	15	15			
DERMATITIS		2	2	2		2			2	2	1	1			
DISLOCATION		2	2	2		2			56	56	28	28			
ELECT BURN (CONTACT)		5	5	5		5			467	467	93	93			
FRACTURE	1	12	12	13		13	6,000		1,737	7,737	145	595			
RADIATION/INHA VIOLET		17	17	17	2	19			685	685	40	40			
SCRATCH/ABRASION		10	10	10		10			166	166	17	17			
STRAIN/SPRAIN		251	251	251	33	284			20,043	20,043	80	80			
MULTIPLE INJURIES	17	272	272	269	25	314	107,000		14,196	116,196	52	402			
OTHER INJURY, NEC		10	10	10	2	12			886	886	89	89			
UNCLASSIFIED (NO DATA)		79	79	79	17	96			5,734	5,734	73	73			
TOTAL OR AVERAGE	25	853	853	878	104	982	150,000		52,339	202,339	61	230			
UNCLASSIFIED															
STRAIN/SPRAIN		1	1	1	1	1			48	48	48	48			
UNCLASSIFIED (NO DATA)		3	3	3	3	3			128	128	43	43			
TOTAL OR AVERAGE		4	4	4	4	4			176	176	44	44			

TABLE 12 NUMBER OF INJURIES, LOSI WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY
 41 ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI	
		PERMANENT	TEMPO RARY	TOTAL NFI					PERMANENT		TEMPO RARY					TOTAL NFI
									TOTAL	PARTIAL						
TOTAL OR AVERAGE		68	8	68	68	3	15	24 000	36 568	424	36 568	538	53	538		
AMPUTATION/FUNCTIONAL ASPHYXIATION/CHOKING	4		8	8	12	3	15	24 000								
BURN/SCALD (NOT CHEM.)	2		97	97	98	45	144	12 000								
CHEMICAL BURN			42	42	42	39	81									
CONCUSSION (CEREBRAL)	18	3	1 588	1 591	1 609	223	1 832	108 000								
CONTUSION OR BRUISE	1	1	787	788	789	1 446	2 235	6 000								
CUT OR PUNCTURE			3	3	3	3	3									
DERMATITIS			48	48	48	10	58									
DISLOCATION			86	86	86	104	190									
DUST IN EYE	5		24	24	29	3	32	30 000								
ELECTRIC SHOCK			20	20	20	20	20									
ELECT. BURN (CONTACT)	3	1	988	989	992	354	1 346	18 000								
FRACTURE		77	12	89	89	1	90									
HEPATOMA (NOT DISC)			14	14	14	8	22									
POISONING (SYSTEMIC)			82	82	82	19	101									
RADIATION/ULTRA VIOLET			79	79	79	34	113									
SCALD/ABRASION			5 458	5 458	5 458	495	5 953									
STRAIN/SPRAIN	20	7	781	782	802	211	1 013	120 000								
MULTIPLE INJURIES		1	99	99	100	28	128	6 000								
OTHER INJURY, NEC	1		474	474	474	89	563									
UNCLASSIFIED (NO DATA)			1	1	1	1	1									
OCCUPATIONAL DISEASES																
TOTAL OR AVERAGE	54	1	158	10 688	10 911	3 113	14 024	324 000	51 157	458 749	515 906	324	43	77		

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 1991

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDI				TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI
		PERMANENT	TEMPORARY		TOTAL NFDI					TOTAL NFDI	TOTAL NFDI					
			TOTAL	PARTIAL								TOTAL NFDI				
EAR CUT OR PUNCTURE TOTAL OR AVERAGE							1 1									2 5 3 7 2 4
EYE CHEMICAL BURN CUT OR PUNCTURE DUST IN EYE RADIATION/ULTRA VIOLET SCRATCH/ABRASION TOTAL OR AVERAGE			2 4 7 3 3 19	2 4 7 3 3 19	2 4 7 3 3 19	3 4 7 1 1 9	5 8 7 4 4 28					3 21 15 21 7 67				
MOUTH/TEETH/TONGUE CUT OR PUNCTURE TOTAL OR AVERAGE							1 1									16 16
NOSE CONCUSSION OR BRUISE CUT OR PUNCTURE FRACTURE TOTAL OR AVERAGE							1 1 1 3					16 16				16 16
FACE, NEC. CUT OR PUNCTURE MULTIPLE INJURIES TOTAL OR AVERAGE							1 1 1 2					18 18				18 18
HEAD, NEC. CUT OR PUNCTURE MULTIPLE INJURIES TOTAL OR AVERAGE			1 1 1	1 1 1	1 1 1	2 3 4	3 3 4					2 2 2				2 2 2
NECK STRAIN/SPRAIN UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE			3 1 4	3 1 4	3 1 4	1 1 1	4 1 5					67 62 129				22 62 32
ELBOW FRACTURE STRAIN/SPRAIN TOTAL OR AVERAGE			1 1	1 1	1 1	1 1	1 1 2					7 7				7 7

TABLE 12A NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ANTIHILLOCK COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL			NONFATAL			FATAL			NONFATAL			PERMANENT		TEMPORARY	
	TOTAL	PARTIAL	TOTAL	TOTAL	AND NONFATAL	TOTAL	TOTAL	FATAL	TOTAL	FATAL	TOTAL	FATAL	TOTAL	AND NONFATAL	TOTAL	FATAL
FOREARM CUT OR PUNCTURE																
TOTAL OR AVERAGE																
WRIST FRACTURE																
STRAIN/SPRAIN																
TOTAL OR AVERAGE																
HAND CONJUNCTION OR BRUISE																
CUT OR PUNCTURE																
FRACTURE																
STRAIN/SPRAIN																
MULTIPLE INJURIES																
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE																
FINGER(S) AVULSION/AMPUTATION																
BURN/SCALD (HOT OIL)																
CONJUNCTION OR BRUISE																
CUT OR PUNCTURE																
FRACTURE																
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE																
UPPER EXTREMITIES, NEC																
AVULSION/AMPUTATION																
CONJUNCTION OR BRUISE																
FRACTURE																
STRAIN/SPRAIN																
TOTAL OR AVERAGE																
ABDOMEN STRAIN/SPRAIN																
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 ANTIHYPERTENSIVE COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	NOI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI
		PERMANENT	TEMPO RARY						TOTAL	PARTIAL	TOTAL NFDI				
			TOTAL	PARTIAL											
BACK CONTUSION OR BRUISE STRAIN/SPRAIN OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	-	1 36 3 2 42	-	1 36 3 2 42	1 36 3 2 42	4 - - - 4	1 40 3 2 46	-	-	-	-	3 2,004 260 82 2,349	-	3 56 87 41 56	3 56 87 41 56
CHEST CONTUSION OR BRUISE STRAIN/SPRAIN UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	-	1 2 - 3	-	1 2 - 3	1 2 - 3	- 1 1 1	1 2 1 4	-	-	-	-	10 6 - 16	-	10 3 - 5	10 3 - 5
PELVIC REGION DISLOCATION FRACTURE HERNIA (NOT DISC) STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE	-	1 1 1 4 1 7	-	1 1 1 4 1 8	1 1 1 4 1 8	- - - - - -	1 1 1 4 1 8	-	-	50	50	3 52 50 61 21 187	-	3 52 50 15 21 20	3 52 50 15 21 20
SHOULDER(S) CONTUSION OR BRUISE STRAIN/SPRAIN TOTAL OR AVERAGE	-	1 4 5	-	1 4 5	1 4 5	- - -	1 4 5	-	-	-	-	62 79 141	-	62 20 28	62 20 28
TRUNK, NEC CONTUSION OR BRUISE STRAIN/SPRAIN TOTAL OR AVERAGE	-	1 1 2	-	1 1 2	1 1 2	1 1 2	1 1 2	-	-	-	-	119 52 171	-	119 52 86	119 52 86
THIGH CONTUSION OR BRUISE TOTAL OR AVERAGE	-	2 2	-	2 2	2 2	- -	2 2	-	-	-	-	66 66	-	33 33	33 33
KNEE CONTUSION OR BRUISE STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	-	5 4 2 2 13	-	5 4 2 2 13	5 4 2 2 13	- - - - -	5 4 2 2 13	-	-	-	-	66 82 112 39 299	-	13 20 56 20 23	13 20 56 20 23

TABLE 12A. NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ANTI-RACIST COAL OPERATIONS IN THE UNITED STATES, 1951 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY					
	FATAL	NFDI				TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI
		PERMANENT	TEMPORARY	TOTAL NFDI	TOTAL FATAL AND NFDI					TOTAL NFDI	TEMPORARY	TOTAL NFDI				
LOWER LEG CUT OR PUNCTURE MULTIPLE INJURIES TOTAL OR AVERAGE	-	-	1	1	1	-	1	-	-	21	21	21	-	21	21	21
ANKLE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE	-	-	2	5	2	-	2	-	-	27	18	27	-	14	4	14
FOOT CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN TOTAL OR AVERAGE	-	-	1	1	1	-	1	-	-	19	96	19	-	19	48	19
LOWER EXTREMITIES, NEC CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	-	-	2	2	2	-	2	-	-	9	1	9	-	4	1	4
BODY SYSTEMS POISONING (SYSTEMIC) TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	97	135	97	-	97	135	97
MULTIPLE PARTS OF BODY CHEMICAL BURN CONTUSION OR BRUISE STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	-	-	3	3	3	-	3	-	-	56	181	56	-	19	60	19
	-	-	7	7	7	-	7	-	-	108	801	108	-	114	108	108
	-	-	1	1	1	-	1	-	-	1,148	1,148	1,148	-	82	82	82

TABLE 12A - NUMBER OF INJURIES, LOSI WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY							
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI				
		PERMANENT	TEMPORARY	TOTAL NFI				TOTAL	PARTIAL	TOTAL NFI								
		TOTAL	PARTIAL															
TOTAL OR AVERAGE		2			2	208			4,650		4,650	2,325	36	2,325	2,325	36	2,325	
AMPUTATION/ENGULFMENT					2													
BURN/SCALD (NOT CHEM.)					1													
CHEMICAL BURN					2													
CONCUSSION OR BRUISE					19													
CUT OR PUNCTURE					11													
DISLOCATION					1													
DUST IN EYE					7													
FRACTURE					16													
HERNIA (NOT DISC)					1													
POISONING (SYSTEMIC)					1													
RADIATION/ULTRA VIOLET					3													
SCRAATCH/ABRASION					3													
STRAIN/SPRAIN					67													
MULTIPLE INJURIES					12													
OTHER INJURY NEC					3													
UNCLASSIFIED (NO DATA)					9													
TOTAL OR AVERAGE		3	156	159	159	49			4,700	6,048	10,748	1,567	39	1,567	10,748	39	1,567	10,748

TABLE 12B NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1981

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY					
	FATAL	MEDI				TOTAL FATAL AND MEDI	TOTAL INJURIES	FATAL	MEDI			TOTAL FATAL AND MEDI	TOTAL FATAL AND MEDI	TEMPO RARY	TOTAL FATAL AND MEDI	
		PERMANENT	TEMPO RARY	TOTAL MEDI	TOTAL				PARTIAL	TOTAL MEDI						
	TOTAL	PARTIAL														
EAR																
BURN/SCALD (NOT CHEM.)			6		6	6	9									104
CHEMICAL BURN			2		2	2	3									3
CONCUSSION OR BRUISE			2		2	2	3									30
CUT OR PUNCTURE			22		22	22	61									516
MULTIPLE INJURIES			1		1	1	1									1
OTHER INJURY, NEC			2		2	2	2									69
UNCLASSIFIED (NO DATA)																723
TOTAL OR AVERAGE			35		35	35	79									1723
EYE																
BURN/SCALD (NOT CHEM.)			5		5	5	12									44
CHEMICAL BURN			25		25	25	51									57
CONCUSSION OR BRUISE			10		10	10	12									28
CUT OR PUNCTURE			92		92	92	235									612
DUST IN EYE			79		79	79	183									204
RADIATION (X-RAY, ULTRAVIOLET)			30		30	30	40									526
SCRAPE/ABRASION			40		40	40	67									56
MULTIPLE INJURIES			10		10	10	16									58
OTHER INJURY, NEC			11		11	11	21									87
UNCLASSIFIED (NO DATA)			1		1	1	2									11
TOTAL OR AVERAGE			303		303	303	648									1 722
JAW																
CONCUSSION OR BRUISE			4		4	4	4									92
CUT OR PUNCTURE			3		3	3	30									6
DISLOCATION			1		1	1	1									32
FRACTURE			5		5	5	5									198
MULTIPLE INJURIES			2		2	2	2									101
TOTAL OR AVERAGE			15		15	15	42									429
MOUTH/TEETH/TONGUE																
CHEMICAL BURN							1									91
CONCUSSION OR BRUISE							1									8
CUT OR PUNCTURE			17		17	17	61									36
FRACTURE			4		4	4	67									2
MULTIPLE INJURIES			8		8	8	14									3
OTHER INJURY, NEC			1		1	1	1									5
UNCLASSIFIED (NO DATA)			1		1	1	4									
TOTAL OR AVERAGE			31		31	31	149									142

TABLE 128 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ALLINDUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY										
	FATAL	MEDI			TOTAL FATAL AND MEDI	NOI	TOTAL INJURIES	FATAL	MEDI			TOTAL FATAL AND MEDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND MEDI								
		PERMANENT	TOTAL						TOTAL	PARTIAL	TEMPORARY												
			TOTAL	MEDI																			
NOSE																							
CONTUSION OR BRUISE			8	8	8	2	2				165	165		21	21								
CUT OR PUNCTURE			15	15	15	19	27				235	235		16	16								
FRACTURE			6	6	6	8	23				67	67		11	11								
MULTIPLE INJURIES			1	1	1	8	14				6	6		6	6								
UNCLASSIFIED (NO DATA)						37	67				473	473		16	16								
TOTAL OR AVERAGE			30	30	30																		
SCALP																							
CUT OR PUNCTURE			2	2	2	5	7				14	14		7	7								
MULTIPLE INJURIES			1	1	1	1	1				88	88		88	88								
TOTAL OR AVERAGE			3	3	3	5	8				102	102		34	34								
SKULL																							
FRACTURE	2				2		2	12 000				12 000			6 000								
TOTAL OR AVERAGE	2				2		2	12 000				12 000			6 000								
FACE, NEC.																							
BURN/SCALD (NOT CHEM.)			6	6	6	1	7				9	9		2	2								
CHEMICAL BURN			3	3	3	1	4				24	24		8	8								
CONTUSION OR BRUISE			3	3	3	1	4				50	50		17	17								
CUT OR PUNCTURE			20	20	20	53	73				164	164		8	8								
FRACTURE			12	12	12	4	16				386	386		32	32								
RADIATION/ULTRA VIOLET			1	1	1	1	2				5	5		5	5								
SCALD/ABRASION			1	1	1	2	3				2	2		2	2								
MULTIPLE INJURIES			8	8	8	7	15				254	254		32	32								
UNCLASSIFIED (NO DATA)			6	6	6		6				125	125		21	21								
TOTAL OR AVERAGE			60	60	60	70	130				1 019	1 019		17	17								
HEAD, NEC.																							
BURN/SCALD (NOT CHEM.)			2	2	2	3	5				105	105		52	52								
CHEMICAL BURN			2	2	2						2	2		1	1								
CONCUSSION (CEREBRAL)			15	15	15	1	16				875	875		58	58								
CONTUSION OR BRUISE	5		35	35	40	5	45	30 000			716	30 716		20	20								
CUT OR PUNCTURE			62	62	62	147	209				692	692		11	11								
FRACTURE			3	3	3	1	3				86	86		29	29								
SCALD/ABRASION			1	1	1	1	2				9	9		9	9								
MULTIPLE INJURIES	1		24	25	26	12	38	6 000		2 400	1 018	9 418	2 400	42	362								
OTHER INJURY, NEC.			11	11	11	6	17				37	37		37	37								
UNCLASSIFIED (NO DATA)											422	422		38	38								
TOTAL OR AVERAGE	6		156	157	163	175	338	36 000		2 400	3 962	42 362	2 400	25	260								

TABLE 12B NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY
AT BLINDHOLDS TOTAL OPERATIONS IN THE UNITED STATES 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY								
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	NFI	FATAL	NFI			PERMANENT PARTIAL	TEMPORARY						
		PERMANENT	TOTAL						TOTAL	PARTIAL									
			TOTAL	PARTIAL															
NECK																			
BURN/SCALD (NOT CHEM)			20		20	2							51						
CONCUSSION OR BRUISE			4		4	22							16						
CUT OR PUNCTURE			8		8	13							32						
FRACTURE			8		8	8							1						
SCRATCH/ABRASION			1		1	1							1						
STRAIN/SPRAIN			343		344	397						500	33						
MULTIPLE INJURIES			9		9	10							47						
OTHER INJURY, NEC			7		7	8							29						
UNCLASSIFIED (NO DATA)			32		32	39							61						
TOTAL OR AVERAGE			424		425	500						500	36						
UPPER ARM																			
CONCUSSION OR BRUISE			5		5	5							8						
CUT OR PUNCTURE			4		4	10							29						
FRACTURE			1		1	1							188						
STRAIN/SPRAIN			9		9	9							83						
MULTIPLE INJURIES			1		1	1							36						
TOTAL OR AVERAGE			20		20	26							56						
ELBOW																			
CHEMICAL BURN			62		62	1							22						
CONCUSSION OR BRUISE			8		8	14							19						
CUT OR PUNCTURE			1		1	16							35						
DISLOCATION			24		24	24							38						
FRACTURE			1		1	1							186						
RADIATION (NOT VIOLET)			49		49	53							48						
STRAIN/SPRAIN			8		8	8							70						
MULTIPLE INJURIES			2		2	3							19						
OTHER INJURY, NEC			10		10	15							42						
UNCLASSIFIED (NO DATA)			165		165	196							37						
TOTAL OR AVERAGE			2		2	148						3 500	7						
FOREARM																			
AMPUTATION/RESECTION			3		3	2							34						
BURN/SCALD (NOT CHEM)			28		28	33							30						
CONCUSSION OR BRUISE			19		19	68							94						
CUT OR PUNCTURE			18		18	19							13						
FRACTURE			1		1	1							2						
RADIATION (NOT VIOLET)			13		13	13							26						
STRAIN/SPRAIN			4		4	5							42						
MULTIPLE INJURIES			1		1	1							22						
OTHER INJURY, NEC			85		87	148						3 500	43						
TOTAL OR AVERAGE			2		2	148						3 500	7						

TABLE 12B NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ALLUPTIOUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY										
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI							
		PERMANENT		TOTAL NFI																	
		TOTAL	PARTIAL	TOTAL					PARTIAL	TEMPORARY											
HEAD																					
BURN/SCALD (NOT CHEM.)		3		3	3	3	6				36			36							
CONCUSSION OR BRUISE		16		16	16	16	22				361			361							
CUT OR PUNCTURE		10		10	10	10	31				124			124							
DISLOCATION		3		3	3	3	3				483			483							
FRACTURE		33		33	33	33	40				1,389			1,389							
RADIATION/ULTRA VIOLET		1		1	1	1	1				11			11							
SCALD/ABRASION		1		1	1	1	1				3			3							
STRAIN/SPRAIN		69		69	69	69	73				2,143			2,143							
MULTIPLE INJURIES		12		12	12	12	13				488			488							
OTHER INJURY NEC		1		1	1	1	1				9			9							
UNCLASSIFIED (NO DATA)		5		5	5	5	7				221			221							
TOTAL OR AVERAGE		154		154	154	154	198				5,268			5,268							
HAND																					
BURN/SCALD (NOT CHEM.)		14		14	14	14	19				156			156							
CHEMICAL BURN		1		1	1	1	2				6			6							
CONCUSSION OR BRUISE		93		93	93	93	113				1,995			1,995							
CUT OR PUNCTURE		77		77	77	77	246				1,795			1,795							
ELECT. BURN (CONTACT)		8		8	8	8	8				96			96							
FRACTURE		76		76	76	76	97				3,464			3,464							
RADIATION/ULTRA VIOLET		21		21	21	21	25				410			410							
SCALD/ABRASION		1		1	1	1	1				3			3							
STRAIN/SPRAIN		15		15	15	15	18				170			170							
MULTIPLE INJURIES		35		35	35	35	51				1,495			1,495							
OTHER INJURY NEC		2		2	2	2	2				83			83							
UNCLASSIFIED (NO DATA)		20		20	20	20	25				722			722							
TOTAL OR AVERAGE		363		363	363	363	607				10,390			10,390							
FINGER(S)																					
AMPUTATION/AVULSION		55		55	55	55	55				9,495			9,495							
BURN/SCALD (NOT CHEM.)		1		1	1	1	4				20			20							
CHEMICAL BURN		161		161	161	161	236				3,905			3,905							
CONCUSSION OR BRUISE		270		270	270	270	761				4,065			4,065							
CUT OR PUNCTURE		1		1	1	1	18				476			476							
DISLOCATION		4		4	4	4	4				44			44							
ELECT. BURN (CONTACT)		223		223	223	223	418				6,295			6,295							
FRACTURE		1		1	1	1	1				20			20							
RADIATION/ULTRA VIOLET		3		3	3	3	3				445			445							
SCALD/ABRASION		23		23	23	23	27				619			619							
STRAIN/SPRAIN		135		135	135	135	231				3,286			3,286							
MULTIPLE INJURIES		3		3	3	3	7				40			40							
OTHER INJURY NEC		14		14	14	14	22				245			245							
UNCLASSIFIED (NO DATA)		56		56	56	56	882				9,570			9,570							
TOTAL OR AVERAGE		850		850	850	850	1,788				28,960			28,960							

TABLE 126 NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ALLINDUSTRIAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY									
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	NDI	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY							
		PERMANENT	TEMPORARY					PERMANENT	TEMPORARY											
			TOTAL	PARTIAL					TOTAL	PARTIAL										
UPPER EXTREMITIES, NEC																				
AMPUTATION/ENGULFMENT	1		1		1	1	7	4 500			4 500		7							
BURN/SCALD (NOT CHEM.)			5		5	13	2		37		5 037		3							
CHEMICAL BURN			1		1	3	5		918		6 918		28							
CONCUSSION OR BRUISE	1		33		34	39	37		443		6 443		18							
CUT OR PUNCTURE			24		24	61	1		1		1		1							
EXHAUSTION			1		1	2			57		57		28							
ELECTRIC BURN (CONTACT)			2		2	6			1 891		1 891		57							
FRACTURE			33		33	39			55		55		28							
RADIATION/ULTRA VIOLET			2		2	1			108		108		36							
SCRATCH/ABRASION			3		3	4			1 185		1 185		26							
STRAIN/SPRAIN			45		45	49			766		766		32							
MULTIPLE INJURIES			24		24	28			95		95		24							
OTHER INJURY, NEC			4		4	4			1 875		1 875		94							
UNCLASSIFIED (NO DATA)			20		20	21														
TOTAL OR AVERAGE	2	1	197		198	268	68	4 500	7 434		23 934	4 500	38							
ABDOMEN																				
BURN/SCALD (NOT CHEM.)			1		1	1			9		9		9							
CONCUSSION OR BRUISE			5		5	5			38		38		8							
CUT OR PUNCTURE			1		1	5			12		12		12							
STRAIN/SPRAIN			46		46	50			674		674		15							
OTHER INJURY, NEC			1		1	1			47		47		47							
UNCLASSIFIED (NO DATA)			3		3	3			79		79		26							
TOTAL OR AVERAGE			57		57	66	9		859		859		15							
BACK																				
CONCUSSION OR BRUISE			143		143	148			7 470		7 470		52							
CUT OR PUNCTURE			26		26	27			2 771		2 771		107							
FRACTURE			1		1	1			120		120		120							
RADIATION/ULTRA VIOLET			4		4	4			135		135		34							
SCRATCH/ABRASION			2 956		2 961	3 215			158 387		170 386	1 322	54							
STRAIN/SPRAIN			36		36	37			2 035		2 035		57							
MULTIPLE INJURIES	1	4	23		23	26			1 115		1 115		48							
OTHER INJURY, NEC			94		94	107			8 814		8 814		89							
UNCLASSIFIED (NO DATA)			3 293		3 293	3 567			181 557		192 846	1 322	55							
TOTAL OR AVERAGE	1	4	3 298		3 293	3 567	274	5 289	181 557		192 846	1 322	55							
CHEST																				
CONCUSSION OR BRUISE	2		76		78	87			1 143		1 143		15							
CUT OR PUNCTURE	1		72		72	83			2 229		2 229		31							
FRACTURE			1		1	1			1		1		1							
RADIATION/ULTRA VIOLET			1		1	1			1		1		1							
SCRATCH/ABRASION			40		42	44			1 568		1 568		37							
STRAIN/SPRAIN	2		8		10	13			124		124		16							
MULTIPLE INJURIES			1		1	1			30		30		90							
OTHER INJURY, NEC			5		5	7			127		127		21							
UNCLASSIFIED (NO DATA)			208		213	243	30		5 291		5 291		25							
TOTAL OR AVERAGE	5		208		213	243	30		5 291		5 291		25							

TABLE 12B. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT ALLINDUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TOTAL					TEMPO RARY	TOTAL NFDL						
			TOTAL	PARTIAL											
PETVIC REGION															
BURN/SCALD (NOT CHEM.)	-	-	2	2	2	3	1	-	-	-	-	-	41	20	
CHEMICAL BURN	-	-	47	47	47	53	6	-	-	-	-	-	1,240	26	
CONTUSION OR BRUISE	-	-	2	2	2	3	3	-	-	-	-	-	42	21	
CUT OR PUNCTURE	-	-	3	3	3	3	3	-	-	-	-	-	394	131	
DISLOCATION	-	-	15	15	15	16	1	-	-	-	-	-	1,364	91	
FRACTURE	-	-	88	88	88	89	1	-	3,800	-	-	-	4,223	48	
HEBRIA (NOT DISC)	-	76	12	88	88	171	19	-	50	-	-	-	4,449	29	
STRAIN/SPRAIN	-	1	151	152	152	4	4	-	-	-	-	-	82	20	
MULTIPLE INJURIES	-	-	4	4	4	8	1	-	-	-	-	-	99	14	
OTHER INJURY, NEC	-	-	7	7	7	14	1	-	-	-	-	-	327	25	
UNCLASSIFIED (NO DATA)	-	-	13	13	13	34	1	-	-	-	-	-	327	37	
TOTAL OR AVERAGE	-	77	256	333	333	367	34	-	3,850	8,411	12,261	50	12,261	33	
SHOULDER(S)															
CONTUSION OR BRUISE	-	-	78	78	78	88	10	-	-	-	-	-	3,318	43	
CUT OR PUNCTURE	-	-	5	5	5	7	2	-	-	-	-	-	31	6	
DISLOCATION	-	-	16	16	16	18	2	-	-	-	-	-	1,301	81	
FRACTURE	-	-	20	20	20	21	1	-	-	-	-	-	1,043	52	
SCRATCH/ABRASION	-	-	2	2	2	2	2	-	-	-	-	-	11	6	
STRAIN/SPRAIN	-	1	223	223	223	245	22	-	600	-	-	-	13,116	59	
MULTIPLE INJURIES	-	-	15	15	15	16	1	-	-	-	-	-	914	61	
OTHER INJURY, NEC	-	-	3	3	3	3	3	-	-	-	-	-	221	74	
UNCLASSIFIED (NO DATA)	-	-	21	21	21	25	4	-	-	-	-	-	1,041	50	
TOTAL OR AVERAGE	-	1	382	383	383	425	42	-	600	20,396	20,996	600	20,996	53	
TRUNK, NEC															
BURN/SCALD (NOT CHEM.)	-	-	1	1	1	1	1	-	-	-	-	-	1	1	
CONTUSION OR BRUISE	4	1	56	57	61	66	5	24,000	600	3,427	28,027	500	61	459	
CUT OR PUNCTURE	-	-	3	3	3	8	5	-	-	33	33	-	11	11	
FRACTURE	-	-	8	8	8	8	8	-	-	1,516	1,516	-	190	190	
STRAIN/SPRAIN	-	-	72	72	72	81	9	-	-	3,291	3,291	-	46	46	
MULTIPLE INJURIES	-	-	28	28	28	32	4	-	-	1,560	1,560	-	56	56	
OTHER INJURY, NEC	-	-	2	2	2	2	2	-	-	17	17	-	8	8	
UNCLASSIFIED (NO DATA)	-	-	20	20	20	23	3	-	-	1,146	1,146	-	57	57	
TOTAL OR AVERAGE	4	1	190	191	195	221	26	24,000	600	10,991	35,591	500	58	183	

TABLE 128 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	PERMANENT		TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI
		TOTAL	PARTIAL	TOTAL					PARTIAL					
ANKLE		3	25	3	3	3	6				73		24	24
BURN/SCALD (NOI CHEM)		3	25	3	25	3	1				411		21	16
CONTUSION OR BRUISE		3	3	3	3	3	1				62		108	108
CUT OR PUNCTURE		2	2	2	2	2	6				215		55	55
DISLOCATION		79	79	79	79	79	85				4,380		26	18
FRACTURE		1	1	1	1	1	19				5,313		30	30
AMPUTATION/RETRACTION/AMPUTATION		248	248	248	248	248	2				415		63	63
STRAIN/SPRAIN		14	14	14	14	14	9				564		27	27
MULTIPLE INJURIES		9	9	9	9	9	34				11,459		21	21
UNCLASSIFIED (NO DATA)		425	425	425	425	425	44				4,878		25	25
TOTAL OR AVERAGE											8,066		6	6
FOOT		3	3	3	3	3	1				64		56	56
BURN/SCALD (NOI CHEM)		3	3	3	3	3	1				4,878		10	10
CHEMICAL BURN		192	192	192	192	192	10				755		27	27
CONTUSION OR BRUISE	2	26	26	26	26	26	13		750		6		6	6
CUT OR PUNCTURE		1	1	1	1	1	1				1,301		57	57
ELECTRIC BURN (CONTACT)		138	138	138	138	138	10		375		15,877		34	34
FRACTURE		27	27	27	27	27	2				272		10	10
SCALD/ABRASION		28	28	28	28	28	2				755		6	6
STRAIN/SPRAIN		1	1	1	1	1	5				1,301		57	57
MULTIPLE INJURIES		23	23	23	23	23	44				15,877		34	34
OTHER INJURY NEC		439	442	442	442	442	44		1,125		1,723		345	345
UNCLASSIFIED (NO DATA)	3										1,723		10	10
TOTAL OR AVERAGE											2,773		46	46
LOE (S)		5	5	5	5	5	2				50		20	20
AMPUTATION/RETRACTION		4	4	4	4	4	1				69		11	11
CONTUSION OR BRUISE		1	1	1	1	1	12				46		16	16
CUT OR PUNCTURE		38	38	38	38	38	2				762		34	34
DISLOCATION		4	4	4	4	4	2				44		10	10
FRACTURE		5	5	5	5	5	79				4,536		43	43
SCALD/ABRASION		57	62	62	62	62	17		1,723		2,472		50	50
STRAIN/SPRAIN											1,665		32	32
MULTIPLE INJURIES											357		47	47
OTHER INJURY NEC											13,439			
UNCLASSIFIED (NO DATA)											13,439			
TOTAL OR AVERAGE											13,439			

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, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI		
		PERMANENT		TEMPO RARY					TOTAL NFDI	PERMANENT						TEMPO RARY	TOTAL NFDI
		TOTAL	PARTIAL							TOTAL	PARTIAL						
BODY SYSTEMS																	
ASPHYXIATION/DROWNING	4			8	8	12	3	15	24,000			424	424	24,424		53	2,035
ELECTRIC SHOCK	5			24	24	29	3	32	30,000			938	938	30,938		39	1,067
POISONING (SYSTEMIC)				14	14	14	7	21				41	41	41		3	3
OTHER INJURY, NEC	1					1		1	6,000					6,000			6,000
TOTAL OR AVERAGE	10			46	46	56	13	69	60,000			1,403	1,403	61,403		30	1,096
MULTIPLE PARTS OF BODY																	
BURN/SCALD (NOT CHEM)	1			33	33	34	3	37	6,000			2,017	2,017	2,017		61	236
CHEMICAL BURN				2	2	2		2				2	2	2		1	1
CONTUSION OR BRUISE	6			137	137	143	10	153	36,000			6,016	6,016	42,016		44	294
CUT OR PUNCTURE				18	18	18	11	29				274	274	274		15	15
DERMATITIS				2	2	2		2				2	2	2		1	1
DISLOCATION				2	2	2		2				56	56	56		28	28
ELECT. BURN (CONTACT)				5	5	5		5				467	467	467		93	93
FRACTURE	1			12	12	13		13	6,000			1,737	1,737	7,737		145	595
RADIATION/ULTRA VIOLET				17	17	17	2	19				685	685	685		40	40
SCRATCH/ABRASION				10	10	10		10				166	166	166		17	17
STRAIN/SPRAIN				248	248	248	33	281				19,862	19,862	19,862		80	80
MULTIPLE INJURIES	17			265	265	282	25	307	102,000			13,395	13,395	115,395		51	409
OTHER INJURY, NEC				10	10	10	2	12				886	886	886		89	89
UNCLASSIFIED (NO DATA)				78	78	78	17	95				5,626	5,626	5,626		72	72
TOTAL OR AVERAGE	25			839	839	864	103	967	150,000			51,191	51,191	201,191		61	233
UNCLASSIFIED																	
STRAIN/SPRAIN				1	1	1		1				48	48	48		48	48
UNCLASSIFIED (NO DATA)				3	3	3		3				128	128	128		43	43
TOTAL OR AVERAGE				4	4	4		4				176	176	176		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, 1991 (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																	
AMPUTATION/ENUCLEATION			66		66	66		66			31.918		31.918	31.918	484		484
ASPHYXIATION/DROWNING	4			8	8	12	3	15	24.000			424	424	24.424		53	2.035
BURN/SCALD (NOT CHEM.)	2			96	96	98	45	143	12.000			3.276	3.276	15.276		34	156
CHEMICAL BURN				40	40	40	35	75				218	218	218		5	5
CONCUSSION (CEREBRAL)				15	15	15	1	16				875	875	875		58	58
CONTUSION OR BRUISE	18		3	1,569	1,572	1,590	219	1,809	108.000		1.350	48,198	49,548	157,548	450	31	99
CUT OR PUNCTURE	1		1	776	777	778	1,424	2,202	6.000		75	12,547	12,622	18,622	75	16	24
DERMATITIS				3	3	3		3				3	3	3		1	1
DISLOCATION				47	47	47	10	57				3,386	3,386	3,386		72	72
DUST IN EYE				79	79	79	104	183				204	204	204		3	3
ELECTRIC SHOCK	5			24	24	29	3	32	30.000			938	938	30,938		39	1,067
ELECT. BURN (CONTACT)				20	20	20		20				670	670	670		34	34
FRACTURE	3		1	972	973	976	352	1,328	18.000		375	51,849	52,224	70,224	375	53	72
HERNIA (NOT DISC)			76	12	88	88	1	89			3,800	423	4,223	4,223	50	35	48
POISONING (SYSTEMIC)				14	14	14	7	21				41	41	41		3	3
RADIATION/ULTRA VIOLET				79	79	79	18	97				2,039	2,039	2,039		26	26
SCRATCH/ABRASION				76	76	76	33	109				1,131	1,131	1,131		15	15
STRAIN/SPRAIN		1	7	5,383	5,391	5,391	484	5,875		6,000	6,539	263,792	276,331	276,331	934	49	51
MULTIPLE INJURIES	20		1	767	768	788	209	997	120.000		2,400	31,330	33,730	153,730	2,400	41	195
OTHER INJURY, NEC.	1			96	96	97	28	125	6.000			3,583	3,583	9,583		37	99
UNCLASSIFIED (NO DATA)				465	465	465	88	553				27,723	27,723	27,723		60	60
OCCUPATIONAL DISEASES				1	1	1		1				51	51	51		51	51
TOTAL OR AVERAGE	54	1	155	10,542	10,698	10,752	3,064	13,816	324,000	6,000	46,457	452,701	505,158	829,158	300	43	77

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (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	NDI	FIL	NFDL	NDI	FIL	NFDL	NDI	FIL	NFDL	NDI	FIL	NFDL	NDI	FIL	NFDL	NDI	FIL	NFDL	NDI	FIL	NFDL	NDI	FIL	NFDL	NDI	FIL	NFDL	NDI	FIL	NFDL	NDI	
UNDERGROUND MINES																																		
ALABAMA		34	9			1		1								42	18		28	17		10	2		9	8		16	2		1	433	161	
COLORADO		10	2			9										11	31		26	3		4			2	5		1	1		1	113	56	
ILLINOIS	2	113	13													180	31		216	6		30	1		18	2		16	2		2	1,144	141	
INDIANA		1	1													4	2		2													15	6	
KENTUCKY	2	288	41			1										352	81		158	2		39	2		11	14		13	1		15	1,778	371	
MARYLAND		2														10	4		8	2		2			2							50	18	
NEW MEXICO		1														4	1															6	1	
OHIO		19	4													30	6		31	6		5			2	4		2			1	180	76	
OKLAHOMA																1	1															4	1	
PENNSYLVANIA		1	1																													7	2	
ANTHRACITE		127	49													153	49		197	34		38	5		39	20		27	6		6	1,161	391	
BITUMINOUS		128	50			1		1								153	49		201	34		38	5		39	20		27	6		1,168	383		
ALL COAL		8	2													20	4		6	2		1			1	1		1			77	14		
TENNESSEE		14	2													16	14		32	6		7			1	1		10	1		1	140	71	
UTAH		113	20			2										137	41		60	8		21	3		8	3		21	3		6	773	183	
VIRGINIA		273	48													335	62		274	29		23	7		32	6		21	3		13	2,042	375	
WEST VIRGINIA	2					2										3			1							1						12	11	
WYOMING																																		
TOTAL	6	1,003	191	1	1	2	13	13	2				1	1		2	1,298	372	4	1,090	124	180	21		124	64	1	107	15	39	7,908	1,870		
ANTHRACITE	6	1,004	192	1	1	2	13	13	2				1	1		2	1,298	372	1,094	124		180	21		124	64	1	107	15	39	7,915	1,872		
ALL COAL																																		
SURFACE AT UG																																		
ALABAMA		2				1													9													27	5	
COLORADO																			2													7	7	
ILLINOIS		2	2													11	5		38	1		1			1			1	1		103	17		
INDIANA																1	1															3	3	
KENTUCKY		13	3			1										10	4		27	8								1	1		116	35		
MARYLAND		1																														2	1	
OHIO																1			7	1		1									14	12		
PENNSYLVANIA																																		
ANTHRACITE		2	1					1											22	4												69	33	
BITUMINOUS		2	1			1		1											22	4												69	33	
ALL COAL																																		
TENNESSEE		2	1																4														15	9
UTAH		6														3	3		13	4												64	27	
VIRGINIA		11	2			1										5	5		30	8		1	3					2	2		131	43		
WEST VIRGINIA																1																2	5	
WYOMING																																		
TOTAL	39	12	12	2	2	2	2	2	1							36	24		154	29		5	3		1	1	1	5	5	4	561	202		
ANTHRACITE	39			2	2	2	2	2	1							36	24		154	29		5	3		1	1	1	5	5	4	561	202		
BITUMINOUS																																		
ALL COAL																																		

TABLE 13 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAIMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLLING OR SLIDING MATERIAL			FALL OF FACE RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPOWERED HAULAGE		
	FIL	NFDI	NDI	FIL	NFDI	NDI	FIL	NFDI	NDI	FIL	NFDI	NDI	FIL	NFDI	NDI	FIL	NFDI	NDI	FIL	NFDI	NDI	FIL	NFDI	NDI	FIL	NFDI	NDI	FIL	NFDI	NDI	FIL	NFDI	NDI
TOTAL UNDERGROUND																																	
ALABAMA		2						3									12		1	22	16				192	56		23	36		4		
COLORADO		1															1		4	2					34	20		11	15		2		
ILLINOIS		10	1					2					2				7	1	101	12					411	45		86	34		1	1	
INDIANA																			2						6	4		2	1				
KENTUCKY	2	26	3					1		1	7	2			3		23	2	8	134	28		1		666	124	1	114	79		6		
MARYLAND																	2		6						19	9			4				
NEW MEXICO																																	
OHIO		2						1							2	2		4		1	6	4				51	35		10	23		1	1
OKLAHOMA		1																	1														
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS		16	3										2				21	4		48	11				453	157		75	74		6		
ALL COAL		16	3										2				22	4		48	12		1		453	157		76	74		6		
TENNESSEE		4																	10						29	5		4	3				
UTAH																	7	2		11	2				51	30		8	15				
VIRGINIA	1	11	1					1	1	1					1		12		4	72	16		3		294	55		64	51		1	1	
WEST VIRGINIA		32	5					3	3						5		28	1	5	117	26	1	3		817	127		154	80		9	3	
WYOMING																	1			3					3	7		3				1	
TOTAL																																	
ANTHRACITE																	1				1												
BITUMINOUS	4	105	15					10	8	2	8	2	1	15	2	2	117	11	19	537	117	1	7	1	3 027	674	1	554	418		30	7	
ALL COAL	4	105	15					10	8	2	8	2	1	15	2	2	118	11	19	537	118	1	7	1	3 027	674	1	555	418		30	7	
SURFACE MINES																																	
SIRIP																																	
ALABAMA								1									2						1		18	3		9	3				
ALASKA																									2	1							
ARIZONA																									1	3		2	3				
COLORADO																									2	1							
ILLINOIS		1															2								22	12		8	6				
INDIANA		2						1			1	1											1		34	15		9	19				
IOHA																									1	1		1	3				
KANSAS																									2	1		1					
KENTUCKY								2	1		1	1			1		2						4		70	25		30	30		1		
LOUISIANA																									1	2							
MARYLAND																									8	4		5					
MISSOURI		1																							6	3		2					
MONTANA																									4	11		1	6				
NEW MEXICO																									3	8		3	3				
NORTH DAKOTA																									24	6		7	14				
OHIO								1									1	1								7	14		5				
OKLAHOMA																																	
PENNSYLVANIA																																	
ANTHRACITE																									23	6		7	2				
BITUMINOUS		1						1		1							3						2		35	15		6	15				
ALL COAL		1						1		1							3					2	1		58	21		13	17			1	
TENNESSEE																									3			1	3				
TEXAS																									25	22		2	20				
VIRGINIA																									9	5		2	4				
WASHINGTON																									6	2			3				
WEST VIRGINIA		4															2								69	15		18	14		1		
WYOMING																									14	26		5	16				
TOTAL																																	
ANTHRACITE																									23	6		7	2				
BITUMINOUS		9	3					6	1	1	3	2	1	3			13	1				1	10	1	368	194		113	173		2	2	
ALL COAL		9	3					6	1	1	3	2	1	3			13	1				1	10	1	391	200		120	175		2	2	

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (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 UNDERGROUND																																		
ALABAMA		36	9		1	1											42	18		87	17		10	2		9	8		16	2	1	460	166	
COLORADO		10	2			9											12	8		28	3		5			2	5		2	1	120	57		
ILLINOIS	2	115	15							1							191	36		294	7		31	1		19	2		3	2	1,247	158		
INDIANA		1	1														5	3		2											18	9		
KENTUCKY	2	301	44		1	1											362	85		185	19		39	2		11	14		2	15	1,894	406		
MARYLAND		3															10	4		8	2					2					52	19		
NEW MEXICO		1															4	1													6	1		
OHIO		19	5														31	6		38	7		6			2	4		2	1	174	88		
OKLAHOMA																	1	1		1											4	1		
PENNSYLVANIA		1																																
ANTHRACITE																																		
BITUMINOUS		129	50		1	1							1				153	51		219	38		39	5		39	20		28	6	1,230	424		
ALL COAL		130	51		1	1							1				153	51		223	38		39	5		39	20		28	6	1,237	426		
TENNESSEE		8	3														20	4		8	3		1			1					85	19		
UTAH		16	2														18	17		36	8		7			2	3		1	1	155	80		
VIRGINIA		119	20			2											143	44		73	12		21	3		8	3		3	8	837	210		
WEST VIRGINIA		2	284	50		1											339	67		304	37		24	10		32	6		21	3	2,173	418		
WYOMING			2														3	1		1			1			1					14	16		
TOTAL		1	1														2	346		4			185	24		125	65		2	20	43	8,469	2,072	
ANTHRACITE		6	1,042	203		3		15	3				1				1,334	346		1,244	153		185	24		125	65		2	20	43	8,469	2,072	
BITUMINOUS		6	1,043	204		3		15	3				1				1,334	346		1,248	153		185	24		125	65		2	20	43	8,476	2,074	
ALL COAL		6	1,043	204		3		15	3				1				1,334	346		1,248	153		185	24		125	65		2	20	43	8,476	2,074	
SURFACE MINES																																		
STRIP																																		
ALABAMA		5	1														9	1		26	2		1	1							72	11		
ALASKA																																2	1	
ARIZONA		3															3	1		3	1										9	11		
COLORADO		1																		2	3										5	13		
ILLINOIS		14															10	4		33	3		2			1					96	26		
INDIANA		10	3														13	10		38	7		5								115	60		
IOWA		2																		2	1										7	7		
KANSAS																				1	1										4	1		
KENTUCKY	1	40	3			5		1									45	15		96	17		5			8			3	2	370	57		
LOUISIANA																	1			3	1										2	2	5	
MARYLAND		2															6			3			1								29	6		
MISSOURI																	6	6		6	7										19	14		
MONTANA		2															3	8		2	5										37	37		
NEW MEXICO		1	3														7	8		2	5										16	19		
NORTH DAKOTA		2															4	1		6											19	14		
OHIO		11	2														6	6		24	5										36	36		
OKLAHOMA		1	2														3	3		11	4		2								25	28		
PENNSYLVANIA																																		
ANTHRACITE		7															6	4		17	2										62	17		
BITUMINOUS		19	5														16	14		37	13		1	1							126	65		
ALL COAL		26	5														22	18		54	15		1	2							188	80		
TENNESSEE																				4												10	6	
TEXAS		7	6														9	14		20	3										64	69		
VIRGINIA		5															4	1		8											26	11		
WASHINGTON		1															3	1		3											1	7	7	
WEST VIRGINIA		42	7			1											44	16		71	9		4	1							265	11		
WYOMING		7	3														6	10		10	8		1	2							43	68		
TOTAL		7	43														5	4		17	2		7	1								62	17	
ANTHRACITE		1	169			6		1									193	114		413	88		23	7							29	7	1,363	686
BITUMINOUS		1	176			6		1									199	118		430	90		23	8							26	7	1,425	675
ALL COAL		1	176			6		1									199	118		430	90		23	8							26	7	1,425	675

TABLE 13. NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (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	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL
ALGER																																	
KENTUCKY																									4					2			
MISSOURI																																	
OHIO																3									2								
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
VIRGINIA																																	
WEST VIRGINIA																1								1	2			3	1				
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																3	1							5	4			3	3				
ALL COAL																3	1							5	4			3	3				
CUIM BANK																																	
PENNSYLVANIA																																	
ANTHRACITE																									2	1		2	2				
BITUMINOUS																									2	1		2	1				
ALL COAL																									2	1		2	3				
WEST VIRGINIA			1																					4	1		2						
TOTAL																																	
ANTHRACITE																									2	1		2	2				
BITUMINOUS			1																					2	1		2	1					
ALL COAL			1																					2	1		2	3					
DREDGE																																	
ILLINOIS																																	
WEST VIRGINIA																									1	1							
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																									1	1							

TABLE 13 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			IMPONDMENT			INUNDATION			MACHINERY			SLIP OR FALL OF PERSON			STEPPING OR KNEELING ON OBJECT			STRIKING OR BUMPING			OTHER			TOTAL		
	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI
ALGER																																	
KENTUCKY																																	
MISSOURI																																	
OHIO																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
VIRGINIA																																	
WEST VIRGINIA																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
CUM BANK																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
WEST VIRGINIA																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
DREDC																																	
ILLINOIS																																	
WEST VIRGINIA																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLLING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TO/O			NONDEFERED INJURY		
	FTI	NFI	NDI	FTI	NFI	NDI	FTI	NFI	NDI	FTI	NFI	NDI	FTI	NFI	NDI	FTI	NFI	NDI	FTI	NFI	NDI	FTI	NFI	NDI	FTI	NFI	NDI	FTI	NFI	NDI	FTI	NFI	NDI
TOTAL SURFACE																																	
ALABAMA																																	
ALASKA																																	
ARIZONA																																	
ARIZONA																																	
COLORADO																																	
ILLINOIS																																	
INDIANA																																	
IOWA																																	
KANSAS																																	
KENTUCKY																																	
LOUISIANA																																	
MARYLAND																																	
MISSOURI																																	
MONTANA																																	
NEW MEXICO																																	
NORTH DAKOTA																																	
OHIO																																	
OKLAHOMA																																	
PENNSYLVANIA																																	
PENNSYLVANIA																																	
ANTHRAHITE																																	
BITUMINOUS																																	
ALL COAL																																	
TENNESSEE																																	
TEXAS																																	
VIRGINIA																																	
WASHINGTON																																	
WEST VIRGINIA																																	
WYOMING																																	
TOTAL																																	
ANTHRAHITE																																	
BITUMINOUS																																	
ALL COAL																																	

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			INJURY			SLIP OR FALL OF PERSON			STEPPING OR TRIPPING ON OBJECT			STRIKING OR CLIPPING			OTHER			TOTAL		
	FIL	INF	NOI	FIL	INF	NOI	FIL	INF	NOI	FIL	INF	NOI	FIL	INF	NOI	FIL	INF	NOI	FIL	INF	NOI	FIL	INF	NOI	FIL	INF	NOI
TOTAL SURFACE																											
ALABAMA																											
ALASKA																											
ARIZONA																											
CALIFORNIA																											
COLORADO																											
ILLINOIS																											
INDIANA																											
IOWA																											
KANSAS																											
KENTUCKY																											
LOUISIANA																											
MARYLAND																											
MISSOURI																											
MONTANA																											
NEVADA																											
NEW MEXICO																											
NORTH CAROLINA																											
OHIO																											
OKLAHOMA																											
PENNSYLVANIA																											
ANTHRACTITE																											
BITUMINOUS																											
ALL COAL																											
TENNESSEE																											
TEXAS																											
VIRGINIA																											
WASHINGTON																											
WEST VIRGINIA																											
WYOMING																											
TOTAL																											
ANTHRACTITE																											
BITUMINOUS																											
ALL COAL

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TABLE 13 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (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	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL	FIL	NFDL	NDL
TOTAL MINING																																	
ALABAMA		41	10		1	1		1	1							51	19		113	19		11	3		9	8		16	2	2	532	177	
ALASKA																3	1		3	1											2	1	
ARIZONA			3													12	10		30	6		5			2	5		2	2	1	125	70	
COLORADO	2	129	15		1				9				1			201	41		288	11		33	1		19	3		20	3	2	1,344	187	
ILLINOIS		11	4													18	13		40	7		5					1	5		133	69		
INDIANA		2															1		2	1								1			7	7	
IOWA																	1		1	1											4	1	
KANSAS																																1	1
KENTUCKY	3	341	47			1	1	6	2							410	100		283	36		44	2		11	14	1	22	5	17	2,213	505	
LOUISIANA			1													1				1											2	5	
MARYLAND		3														10	4		11	2		3			2						59	19	
MISSOURI		2			1											6	1		7										2		30	7	
MONTANA			2													3	6		7	2									1	2	19	14	
NEW MEXICO		2	3													11	9		2	5									1	3	22	38	
NORTH DAKOTA		2														4	1		6	1				1						1	19	14	
OHIO		30	8													40	13		63	12		6			2	5		3	1	256	128		
OKLAHOMA		1	2													4	4		12	4		2						1		29	29		
PENNSYLVANIA																																	
ANTHRACITE		11	1													7	4		24	2			1			2		3	2		81	24	
BITUMINOUS		151	56			1		1	1				1			169	65		261	52		41	6		39	20		31	6	1	1,367	492	
ALL COAL		162	57			1		1	1				1			176	69		285	54		41	7		39	22		34	8	1	1,448	516	
TENNESSEE		8	3													21	4		12	5		2									95	25	
TEXAS		7	6													9	14		20	3									1	3	64	69	
UTAH		16	2													18	17		36	8		7				2			1	155	80		
VIRGINIA		120	20					2								147	45		81	13		21	3		8	3	1	11	4	8	863	222	
WASHINGTON		5	1													3	1		3												17	7	
WEST VIRGINIA	2	326	57			2		2								3	385	84	376	48		29	11		33	7		29	5	16	2,448	490	
WYOMING		7	5													9	11		11	8		1	3			1		3			57	84	
TOTAL																																	
ANTHRACITE		11	1													7	4		24	2			1			2		3	2		81	24	
BITUMINOUS	7	1,214	248		3	3	3	21	4				1	1		3	1,535	464	1	1,668	246		210	31		126	68	2	141	45	50	9,871	2,751
ALL COAL	7	1,225	249		3	3	3	21	4				1	1		3	1,542	468	1	1,692	248		210	32		126	70	2	144	47	50	9,952	2,775
INDEPENDENT SHOPS																																	
ALABAMA																1	4														7	17	
ILLINOIS																2	1		1												11	3	
INDIANA																																1	
KENTUCKY																			1	1											2	3	
OHIO		1																														1	
PENNSYLVANIA																																	
ANTHRACITE																1			1				1								5	1	
BITUMINOUS																																	
ALL COAL																1			1												5	2	
VIRGINIA		1														1	2														8	11	
WEST VIRGINIA	1		1														3		9				1						1		21	12	
TOTAL																																	
ANTHRACITE																1			1				1								5	1	
BITUMINOUS	1	2	1													4	10		11	1								1	1		51	47	
ALL COAL	1	2	1													5	10		12	1				2				1	1		56	48	

TABLE 13 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLLING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPOWERED HAULAGE		
	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI			
PROCESSING PLANTS																																	
ALABAMA																																	
ALASKA																																	
CALIFORNIA																																	
COLORADO																																	
ILLINOIS																																	
INDIANA																																	
KANSAS																																	
KENTUCKY																																	
MARYLAND																																	
MISSOURI																																	
MONTANA																																	
NEW MEXICO																																	
OHIO																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
TENNESSEE																																	
TEXAS																																	
UTAH																																	
VIRGINIA																																	
WASHINGTON																																	
WEST VIRGINIA																																	
WYOMING																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (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													5			4	4							2			35	10			
ALASKA																		2											2	4			
CALIFORNIA																		2											6	15			
COLORADO		1															1											1		42			
ILLINOIS		1	1						1							4	1		13	2		2			1	1				18	9		
INDIANA		1	1													3	3		3										1				
KANSAS																1																	
KENTUCKY		18	4						1							20	10		42	7		3	2						195	67			
MARYLAND																1			1										4	1			
MISSOURI																1	2												3	2			
MONTANA																																	
NEW MEXICO																1	2												2	7			
OHIO		1														2	4		4	3		1						1	13	18			
PENNSYLVANIA																																	
ANTHRACITE		3	2													13	2		24	4		2				2	1		73	24			
BITUMINOUS		3	1						1							5	2		44	2		2				5		3	2	108	25		
ALL COAL		6	3						1							18	4		68	6		4			5		5	3	181	49			
TENNESSEE		3																1											9	2			
TEXAS																		1											1	1			
UTAH																		2											3	8			
VIRGINIA		4	1															2											1	68			
WASHINGTON																1	3		19	5		1	1			1		2		3			
WEST VIRGINIA	1	17	5													1	14	8	64	6		3			3	1		3	4	229			
WYOMING																		1		2									1	3			
TOTAL																																	
ANTHRACITE		3	2													13	2		24	4		2					2	1	73	24			
BITUMINOUS	1	52	15				2	1								2	59	43	204	32		12	3		11	4		15	9	747			
ALL COAL	1	55	17				2	1								2	72	45	228	36		14	3		11	4		17	10	820			

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREATHING AGENT		FALLING, ROLLING, OR SLIDING MATERIAL		FALL OF FACE, RIB, SLOPE, OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDLING		NONREPORTED HAUTAGE	
	FTE	NFI	FTE	NFI	FTE	NFI	FTE	NFI	FTE	NFI	FTE	NFI	FTE	NFI	FTE	NFI	FTE	NFI	FTE	NFI	FTE	NFI
TOTAL MINES AND PLANTS																						
ALABAMA		3			4				1		14		1	22	16	1	230	73	37	43		5
ALASKA																	3	1				
ARIZONA																	1	3	2	3		
CALIFORNIA																						
COLORADO	1				2				1				4	2			38	21	11	22		3
ILLINOIS	11								2		9	1	101	12			456	65	104	45		1
INDIANA	2				1			1					2		1		47	22	16	22		1
IOWA																	1	1		3		
KANSAS																						
KENTUCKY	2	32	4		3	1	1	8	6	1	25	2	134	28	7		811	171	171	132		8
LOUISIANA																	1	2				
MARYLAND											2		6				21	9	2	4		
MISSOURI																	9	4	6			
MONTANA																	9	3	2	1		
NEW MEXICO																	6	13	1	8		
NORTH DAKOTA																	3	8	3	3		
OHIO	2	1			1	2			2	2	8	1	6	4			77	49	19	41		1
OKLAHOMA		1											1				7	14		5		
PENNSYLVANIA																						
ANTHRACITE																	49	17	17	9		1
BITUMINOUS	18	3			2	2	1	1	3	3	24	4	48	11	1		520	184	53	96		8
ALL COAL	18	3			2	2	1	1	3	3	25	4	48	12	2		569	201	110	105		9
TENNESSEE	4												10				35	6	6	5		1
TEXAS																	25	22	2	21		
UTAH											7	2	11	2			52	33	8	16		
VIRGINIA	1	12	1		1	1	1	1	1	1	13		72	16	4		332	72	90	66		2
WASHINGTON																	6	3		3		
WEST VIRGINIA	1	38	5		3	4			1	6	30	2	117	26	3		981	159	213	115		3
WYOMING											1	1	3				19	33	8	19		1
TOTAL																						
ANTHRACITE	4	125	18		17	11	3	11	4	2	1	13	19	537	117	2	49	17	17	9		1
BITUMINOUS					17	11	3	11	4	2	134	13	537	118	19	2	3,686	971	1,786	674		43
ALL COAL	4	125	18		17	11	3	11	4	2	134	13	537	118	19	2	3,735	988	1,803	683		44
OFFICE																						
ALABAMA																	1	1				
ILLINOIS																	1	1				
KENTUCKY																	6					
PENNSYLVANIA																						
ANTHRACITE																	1	1				
BITUMINOUS																	1	1				
ALL COAL																	1	1				
UTAH																						
VIRGINIA																	5	1				
WEST VIRGINIA																	1	1				
WYOMING																						
TOTAL																	15	6	2	2		
ANTHRACITE																	15	6				
BITUMINOUS																						
ALL COAL																						

TABLE 13. NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEEPING OR KNIFING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI
TOTAL MINES AND PLANTS																						
ALABAMA	44	10									57	23	117	23	11	3	9	8	18	3	574	204
ALASKA																					3	1
ARIZONA		3									3	1	3	1							9	11
CALIFORNIA																					2	
COLORADO	11	3									12	11	32	6	5		2	5	2	3	131	74
ILLINOIS	2	130	16	1						1	207	43	302	13	35	1	20	4	21	3	1,397	205
INDIANA	12	5									21	16	43	7	5				1	5	152	78
IOWA	2										1	1	2	1							7	1
KANSAS																					5	1
KENTUCKY	3	359	51								430	110	326	44	47	4	12	15	24	6	2,410	575
LOUISIANA											1										2	5
MARYLAND											10	5	12	2	3		3		1		63	20
MISSOURI		2									7	3	7	2					2		33	9
MONTANA											3	6	1	2					1		22	14
NEW MEXICO		2	4								12	11	2	5					1		24	45
NORTH DAKOTA											4	1	6	1							19	14
OHIO		32	8								42	17	67	15	7		2	5	4		270	146
OKLAHOMA		1	2								4	4	12	4	2				1		29	29
PENNSYLVANIA																						
ANTHRACITE	14	3									21	6	49	6	2		2		5	3	159	49
BITUMINOUS	154	57									174	67	305	54	43		44	20	34	8	1,475	518
ALL COAL	168	60									195	73	354	60	45		44	22	39	11	1,634	567
TENNESSEE	11	3									21	5	13	3	2		1				104	27
TEXAS	7	6									9	14	21	3					1		165	70
UTAH	16	3									18	19	38	9	7		2		1		158	88
VIRGINIA	125	21									151	52	100	18	22		8	4	13	4	939	261
WASHINGTON	3	1									4	1	4	1							18	8
WEST VIRGINIA	343	63									399	95	449	54	32		36	8	32	9	2,698	555
WYOMING	4	7									9	12	12	10	1		1		4		60	88
TOTAL	14	3									21	6	49	6	2		2		5	3	159	49
ANTHRACITE	9	1,268	264								5	1,508	1,883	219	222		137	72	15	55	54,10	869
BITUMINOUS	9	1,282	267								5	1,619	1,932	285	224		137	74	161	58	54,10	878
ALL COAL																						
OFFICE																						
ALABAMA																					1	1
ILLINOIS																					4	1
KENTUCKY																					10	1
PENNSYLVANIA											2											
ANTHRACITE																					3	2
BITUMINOUS																					3	2
ALL COAL																					1	1
UTAH																					9	5
VIRGINIA																					1	1
WEST VIRGINIA																						
WYOMING																						
TOTAL																					29	11
ANTHRACITE																					29	11
BITUMINOUS																						
ALL COAL																						

TABLE 13. NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREACHING AGENT		FALLING, ROLLING, OR SLIDING MATERIAL		FALL OF FAULT, RIB, SIDE, OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND COAL		NONREPORTED HAULAGE	
	FIL	NOI	FIL	NOI	FIL	NOI	FIL	NOI	FIL	NOI	FIL	NOI	FIL	NOI	FIL	NOI	FIL	NOI	FIL	NOI	FIL	NOI
GRAND TOTAL																						
ALABAMA																						
ALASKA																						
ARIZONA																						
CALIFORNIA																						
COLORADO																						
CONNECTICUT																						
DELAWARE																						
FLORIDA																						
GEORGIA																						
IDAHO																						
ILLINOIS																						
INDIANA																						
IOWA																						
KANSAS																						
KENTUCKY																						
LOUISIANA																						
MAINE																						
MARYLAND																						
MASSACHUSETTS																						
MICHIGAN																						
MINNESOTA																						
MISSOURI																						
MONTANA																						
NEBRASKA																						
NEVADA																						
NEW HAMPSHIRE																						
NEW JERSEY																						
NEW MEXICO																						
NORTH CAROLINA																						
NORTH DAKOTA																						
OHIO																						
OKLAHOMA																						
PENNSYLVANIA																						
PUERTO RICO																						
RHODE ISLAND																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE																						
TEXAS																						
UTAH																						
VIRGINIA																						
WASHINGTON																						
WEST VIRGINIA																						
WYOMING																						
TOTAL																						
ALABAMA																						
ALASKA																						
ARIZONA																						
CALIFORNIA																						
COLORADO																						
CONNECTICUT																						
DELAWARE																						
FLORIDA																						
GEORGIA																						
IDAHO																						
ILLINOIS																						
INDIANA																						
IOWA																						
KANSAS																						
KENTUCKY																						
LOUISIANA																						
MAINE																						
MARYLAND																						
MASSACHUSETTS																						
MICHIGAN																						
MINNESOTA																						
MISSOURI																						
MONTANA																						
NEBRASKA																						
NEVADA																						
NEW HAMPSHIRE																						
NEW JERSEY																						
NEW MEXICO																						
NORTH CAROLINA																						
NORTH DAKOTA																						
OHIO																						
OKLAHOMA																						
PENNSYLVANIA																						
PUERTO RICO																						
RHODE ISLAND																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE																						
TEXAS																						
UTAH																						
VIRGINIA																						
WASHINGTON																						
WEST VIRGINIA																						
WYOMING																						

TABLE 14 NUMBER OF LOST HOURS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES 1961

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDLING		NONWORKING HAULAGE	
	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL
UNDERGROUND MINES																				
ALABAMA		6				42			1,364		6,000	731			9,202		515		377	9
ALABAMA		356				211			116		3,430	133			997		283			
ILLINOIS		216										17			12,809		1,753			
INDIANA															20		47			
KENTUCKY		617							2,093		48,000	5,572			37,306	6,000	3,218		319	
MARYLAND									125			167			352					
MICHIGAN															4					
OHIO		32							347		6,000	185			2,169		377		33	
OKLAHOMA		21										14								
PENNSYLVANIA																				
ANTHRACITE									26			2,679			23,854		2,891		316	
BITUMINOUS		495							2,225			2,679			23,854		2,898		316	
ALL COAL		385							2,251			476			973		74			
TENNESSEE									124			305			1,422		140		20	
UTAH		273				119			6,000		24,000	2,756			10,396		1,878		423	
VIRGINIA		5,000				2			1,956		30,000	5,900			41,768		4,915			
WEST VIRGINIA		1,239							52			298			30		19			
WYOMING																				
TOTAL																				
ANTHRACITE									26											
BITUMINOUS		3,634				374			8,861		114,000	22,773			141,309	6,000	16,130		1,487	
ALL COAL		3,634				374			8,887		114,000	22,773			141,309	6,000	16,177		1,487	
SURFACE AT UG																				
ALABAMA															252		153			
COLORADO															98		20			
ILLINOIS															1,722		192			
INDIANA															1		125			
KENTUCKY						11							4		2,469		488			
MARYLAND		13													10					
OHIO															35		12			
PENNSYLVANIA																				
ANTHRACITE																				
BITUMINOUS		195													1,966		222		20	
ALL COAL		195													1,966		222		20	
TENNESSEE		4													67					
UTAH																				
VIRGINIA		163													804		158			
WEST VIRGINIA		104				21									3,919		307		8	
WYOMING															6					
TOTAL																				
ANTHRACITE																				
BITUMINOUS		479				32			6,000						11,429		1,671		141	
ALL COAL		479				32			6,000						11,429		1,671		141	

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, 1991 (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																						
ALABAMA		1,201		4		18					2,295		4,431		77		317		556		5,000	21,216
COLORADO		363				1,394			6,000		80		7,563		154		10		4		6,000	4,881
ILLINOIS	12,000	4,798									58		127		1,117		610		562		12,000	39,125
INDIANA		32				3					14,756		10,799		1,563		152		447		90,000	98,907
KENTUCKY	12,000	21,819									261		303		36		58					1,397
MARYLAND		92									103											112
NEW MEXICO		5									1,346		1,619		202		61		11		6,000	7,053
OHIO		646									22		10									67
OKLAHOMA																						
PENNSYLVANIA		32								29	6,635		319		1,485		1,938		786			384
ANTHRACITE		10,571							29		6,635		11,289		1,485		1,938		786			65,207
BITUMINOUS		10,503							29		6,635		11,508		1,485		1,938		786			65,591
ALL COAL		356									6,635		195		3		4					3,119
TENNESSEE		3,614				23					1,057		957		154		130		2		36,000	7,865
UTAH		8,069			12,000						5,722		2,415		1,062		134		589			34,011
VIRGINIA		18,816									14,361		14,736		776		1,342		1,342		78,000	107,122
WEST VIRGINIA	12,000										120		69									628
WYOMING																						
TOTAL		32											310									384
ANTHRACITE		70,602		4	12,000	1,438			6,000	29	53,352		54,896		6,655		4,614		4,299		234,000	391,011
BITUMINOUS	36,000	70,634	4		12,000	1,438			6,000	29	53,352		55,218		6,655		4,614		4,299		234,000	391,395
ALL COAL																						
SURFACE AT UC																						
ALABAMA		47									11		92		5				1			544
COLORADO											927		5		100		2		41			140
ILLINOIS		4									2,252		2,252									5,343
INDIANA											1		1,530						1			127
KENTUCKY		563									149											5,336
MARYLAND		1									36		723		28							11
OHIO																						939
PENNSYLVANIA																						
ANTHRACITE		35				1					1,608		1,608		24				1			4,072
BITUMINOUS		35				1					1,608		1,608		24				1			4,072
ALL COAL											75		234									159
TENNESSEE		92									4		553		6							401
UTAH		268									91		2,331									2,158
VIRGINIA		388				42					153											7,279
WEST VIRGINIA																						6
WYOMING																						
TOTAL		1,398				43					1,372		9,383		153		2		45		24,000	26,517
ANTHRACITE		1,398				43					1,372		9,383		153		2		45		24,000	26,517
BITUMINOUS																						
ALL COAL																						

TABLE 14 NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRIMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSION AND BREACHING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPROTECTED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL UNDERGROUND																						
ALABAMA		6				42					1,384	6,000	731				9,454		728		377	9
ARIZONA		350											123				1,095		303			
COLORADO		216				211					116		3,436				14,531		1,935		113	
ILLINOIS													15				21		172			
INDIANA																	39,775		3,706		319	
KENTUCKY		530				11		182		111	2,093	5,372	167				365					
MARYLAND											125						4					
NEW MEXICO																	2,204		389		33	
OHIO		32									347	6,000	185	14								
OKLAHOMA		21																				
PENNSYLVANIA																						
ANTHRACITE											26											
BITUMINOUS		630									2,297		2,579				25,820		3,113		336	
ALL COAL		630									2,251		2,579				25,820		3,113		336	
TENNESSEE		389											476				1,053		74			
UTAH											124		395				1,489		144			
VIRGINIA		436				119		140		33	6,000	24,000	2,756				11,703		2,036		20	
WEST VIRGINIA		6,000				23				40	6,000	30,000	5,920				45,688		5,222		431	
WYOMING		1,343									92		298				36		19			
TOTAL																						
ANTHRACITE		4,113				406		322		425	12,000	114,000	22,773				152,738		17,841		1,638	
BITUMINOUS		4,113				406		322		425	12,000	114,000	22,773				152,738		17,841		1,638	
ALL COAL		24,000																				
SURFACE MINES																						
STRIP																						
ALABAMA						1					16						180		682			
ALASKA																	3					
ARIZONA																	7		79			
COLORADO																	141					
ILLINOIS		42				1		1		3	255						455		438			
INDIANA		4															835		319			
IOWA																	31		15			
KANSAS						4		72		91	39						59		3			
KENTUCKY																	1,816		1,136		20	
LOUISIANA																	5					
MARYLAND																	64		12			
MISSOURI		1															146		15			
MONTANA																	205		72			
NEW MEXICO																	109		2			
NORTH DAKOTA																	142		31			
OHIO						4					112						400		192			
OKLAHOMA																	212					
PENNSYLVANIA																						
ANTHRACITE		36				1		60		97	95						908		196			
BITUMINOUS		36				1		60		97	95						1,837		243			
ALL COAL																	2,745		439			
TENNESSEE																	85		1			
TEXAS																	402		63			
VIRGINIA											6						96		35			
WASHINGTON																	276					
WEST VIRGINIA																	2,290		347			
WYOMING		308									125						478		53		3	
TOTAL																						
ANTHRACITE		391				11		133		191	648						908		196		23	
BITUMINOUS		391				11		133		191	648						10,714		3,738		23	
ALL COAL																	11,182		3,934			

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, 1991 (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	
	FBI	NFDI	FBI	NFDI	FBI	NFDI	FBI	NFDI	FBI	NFDI	FBI	NFDI	FBI	NFDI	FBI	NFDI	FBI	NFDI	FBI	NFDI	FBI	NFDI
TOTAL UNDERGROUND																						
ALABAMA	1,248		4		18						2,295		4,523		77		317		556		6,000	21,760
COLORADO	583				1,394				6,000		91		889		159		10		5		6,000	5,021
ILLINOIS	4,802										6,770		9,815		1,217		612		603		12,000	44,468
INDIANA	32				3						59		127								30,000	428
KENTUCKY	22,382										14,945		12,329		1,583		152		448		30,000	104,245
MARYLAND	93										761		383		36		58				1,408	1,408
NEW MEXICO	5										103										112	112
OHIO	646										1,382		2,342		230		61		11		6,000	7,992
OKLAHOMA											22		10								67	67
PENNSYLVANIA	32												319									384
ANTHRACITE	10,606				1				29		6,635		12,897		1,509		1,938		787		69,279	69,279
BITUMINOUS	10,638				1			29			6,635		13,216		1,509		1,938		787		69,563	69,563
ALL COAL	356										6,635		270		3		4				3,218	3,218
TENNESSEE	3,706										1,061		1,191		194						8,266	8,266
UTAH	8,337				23						5,813		2,348		1,058		130		580		48,000	36,189
VIRGINIA	19,204				42						14,514		16,569		782		1,334		1,342		90,000	114,401
WEST VIRGINIA											120		69								634	634
WYOMING																						
TOTAL																						
ANTHRACITE	32		4		12,000				6,000		54,724		319		6,818		4,616		4,344		298,000	417,528
BITUMINOUS	72,000		4		1,481				5,000		54,724		64,282		5,818		4,616		4,344		298,000	417,512
ALL COAL	72,032		4		1,481				5,000		54,724		64,601									
SURFACE MINES																						
STRIP	42										382		642		2						6,000	1,963
ALABAMA																						3
ALASKA											140		116									342
ARIZONA													132									276
COLORADO											417		1,549		78		102					4,310
ILLINOIS	920		54								289		1,312		111		1					3,187
INDIANA	314												128									180
IOWA	4										57		57									119
KANSAS													3,245		73		223				12,000	11,904
KENTUCKY	3,610				224						1,269		2		6							7
LOUISIANA											2		253									335
MARYLAND													27									270
MISSOURI	4										36		27									270
MONTANA											285		187									884
NEW MEXICO	12										406		63									601
NORTH DAKOTA	5										206		2,234									9
OHIO	524										169		825									100
OKLAHOMA	1										98		338		17							34
PENNSYLVANIA																						12
ANTHRACITE	408										210		725									2,449
BITUMINOUS	1,076										408		1,509		87							5,506
ALL COAL	1,434										618		2,234		87							7,955
TENNESSEE											34		113		4							30
TEXAS	449										67		781									54
VIRGINIA	1										26		579									1,816
WASHINGTON	11										36		76									783
WEST VIRGINIA	2,037				1						5,346		5,346		60		11					383
WYOMING	520										172		255		54							12,550
TOTAL																						1,532
ANTHRACITE	408										210		725									2,449
BITUMINOUS	9,480		55		6,000						5,718		17,733		492		11					50,353
ALL COAL	9,888		55		6,000						5,928		18,458		492		11					52,862

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, 1991 (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
AUGER:																						
KENTUCKY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165	-	-	-	-	-
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO-----	-	-	-	-	-	-	-	-	-	-	164	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	110	-	-	-
TOTAL:																						
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	164	-	-	-	-	-	178	-	110	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	164	-	-	-	-	-	178	-	110	-	-	-
CULM BANK:																						
PENNSYLVANIA:																						
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	214	-	3	-	-	-
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	271	-	3	-	-	-
WEST VIRGINIA-----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:																						
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	214	-	3	-	-	-
BITUMINOUS----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-	-	-	-	-
ALL COAL-----	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	271	-	3	-	-	-
DREDGE:																						
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-
TOTAL:																						
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-

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, 1991 (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-----	-	-	-	-	-	-	-	-	-	-	-	15	-	56	-	-	-	-	-	-	-	236
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
OHIO-----	-	-	-	-	-	-	-	-	-	-	-	46	-	5	-	-	-	-	-	-	-	215
WEST VIRGINIA----	-	-	-	-	-	-	-	-	-	-	-	106	-	242	-	1	-	-	-	-	-	472
TOTAL:																						
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	-	167	-	304	-	1	-	-	-	-	-	924
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	167	-	304	-	1	-	-	-	-	-	924
CULM BANK:																						
PENNSYLVANIA:																						
ANTHRACITE----	-	4,540	-	-	-	-	-	-	-	-	-	5	-	22	-	-	-	-	-	1	-	4,795
BITUMINOUS----	-	35	-	-	-	-	-	-	-	-	-	-	-	158	-	5	-	-	-	-	-	255
ALL COAL-----	-	4,575	-	-	-	-	-	-	-	-	-	5	-	190	-	5	-	-	-	1	-	5,050
WEST VIRGINIA----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
TOTAL:																						
ANTHRACITE----	-	4,540	-	-	-	-	-	-	-	-	-	5	-	32	-	-	-	-	-	1	-	4,795
BITUMINOUS----	-	35	-	-	-	-	-	-	-	-	-	-	-	158	-	5	-	-	-	-	-	258
ALL COAL-----	-	4,575	-	-	-	-	-	-	-	-	-	5	-	190	-	5	-	-	-	1	-	5,053
DREDGE:																						
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	317	-	-	-	-	-	-	-	317
WEST VIRGINIA----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
TOTAL:																						
ANTHRACITE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS----	-	-	-	-	-	-	-	-	-	-	-	-	-	317	-	-	-	-	-	-	-	371
ALL COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	317	-	-	-	-	-	-	-	371

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, 1991 (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						1			6,000		16				16		180		682			
ALASKA																	3					
ARIZONA																	7		79			
COLORADO										3							141					
ILLINOIS		42									255						455		438			
INDIANA		4				1		1							10		835		319			
IOWA															2		31		15			
KANSAS																	59		3			
KENTUCKY						4		72		91		39			72		1,981		1,136		20	
LOUISIANA																	5					
MARYLAND																	64		12			
MISSOURI		1															146		15			
MONTANA															6,000		205		72			
NEW MEXICO																	109		2			
NORTH DAKOTA																	142		31			
OHIO						4					276						400		192			
OKLAHOMA																	212					
PENNSYLVANIA																						
ANTHRACITE																	1,122		199			
BITUMINOUS		36				1	6,000	60		97		95			79		1,894		243			
ALL COAL		36				1	6,000	60		97		95			79		3,016		442			
TENNESSEE																	85		1			
TEXAS																	402		63			
VIRGINIA											6				50		96		35			
WASHINGTON																	276					
WEST VIRGINIA		311									125						2,357		457		3	
WYOMING																	478		53			
TOTAL:																						
ANTHRACITE																	1,122		199			
BITUMINOUS		394				11	6,000	133	6,000	191	812				6,000	229	10,563		3,848		23	
ALL COAL		394				11	6,000	133	6,000	191	812				6,000	229	11,685		4,047		23	

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, 1991 (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		42									382		642		2						6,000	1,953
ALASKA																						3
ARIZONA											140		116									342
COLORADO																						132
ILLINOIS		920		54							417		1,866		78							276
INDIANA		314									289		1,312		111							4,627
IOWA		4											128									3,197
KANSAS													57									180
KENTUCKY		3,610			6,000	224					1,284		3,301		73							119
LOUISIANA											2											7
MARYLAND																						335
MISSOURI		4									36		253		6							231
MONTANA											285		187									884
NEW MEXICO		12									406		63	6,000								691
NORTH DAKOTA		5									53		206									537
OHIO		524									215		830									2,475
OKLAHOMA		1									98		338		17							678
PENNSYLVANIA																						
ANTHRACITE		4,948									215		757									7,244
BITUMINOUS		1,061									488		1,667		92							5,761
ALL COAL		6,009									623		2,424		92							13,005
TENNESSEE											34		113		4							31
TEXAS		449									67		781									54
VIRGINIA		1									26		579									1,816
WASHINGTON		11									36		70									793
WEST VIRGINIA		2,037			1						1,535		5,588		61		11					393
WYOMING		520									172		255		54							12,779
TOTAL																					6,000	1,532
ANTHRACITE		4,948									215		757									7,244
BITUMINOUS		9,515		55	6,000	225					5,885		18,512		498							42,000
ALL COAL		14,463		55	6,000	225					6,100		19,269		498							51,906
																					42,000	59,150

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, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, STILE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND/TOO		NONDEGREED HAULAGE	
	FIL	NFDI	FIL	NFDI	FIL	NFDI	FIL	NFDI	FIL	NFDI	FIL	NFDI	FIL	NFDI	FIL	NFDI	FIL	NFDI	FIL	NFDI	FIL	NFDI
TOTAL MINING																						
ALABAMA		6				43			6,000		1,400		6,000	731		16	9,634		1,410		377	
ALASKA																	3					
ARIZONA		350				211											79					
COLORADO		258				1											1,236				9	
ILLINOIS		4															14,986				113	
INDIANA																	856					
IOWA																	31					
KANSAS																	59					
KENTUCKY	12,000	630			15		6,000	254	202		2,132		48,000	5,572	76		41,756	6,000	4,842		339	
LOUISIANA																	5					
MARYLAND																	429		12			
MISSOURI		1									125		167				146		15			
MONTANA																	205		72			
NEW MEXICO																	113		2			
NORTH DAKOTA																	142		31			
OHIO		32			4				130		623		6,000	185			2,604		581		33	
OKLAHOMA		21											14				212					
PENNSYLVANIA																	1,122		206			
ANTHRACITE											26						27,714		3,356		336	
BITUMINOUS		726			1		6,000	60	111		2,300		2,679				28,836		3,562		336	
ALL COAL		726			1		6,000	60	111		2,346		2,679				1,138		75			
TENNESSEE		389															402		63			
TEXAS																	1,489		144			
UTAH																	11,298		2,071		20	
VIRGINIA	6,000	436			119		6,000	140	33		124		24,000	395	138		276					
WASHINGTON																	48,045		5,679		434	
WEST VIRGINIA	6,000	1,654			23				40		6,000		30,000	298	21		514					
WYOMING																						
TOTAL																						
ANTHRACITE	24,000	4,507			417		18,000	455	616		26		114,300	22,773	342		1,122		206		1,661	
BITUMINOUS	24,000	4,507			417		18,000	455	616		9,673		114,300	22,773	342		163,301		21,689		1,661	
ALL COAL											9,689		114,300	22,773			164,423		21,895			
INDEPENDENT SHOPS																						
ALABAMA																	89		18			
ILLINOIS																	29		325			
INDIANA																	3		66			
KENTUCKY																						
OHIO																						
PENNSYLVANIA																	491					
ANTHRACITE																	491					
BITUMINOUS																	491		54			
ALL COAL																	359		82			
VIRGINIA		5																				
WEST VIRGINIA																						
TOTAL																						
ANTHRACITE																	491					
BITUMINOUS		5															491		54			
ALL COAL		5															916		545			
																	1,407					

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, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HULLAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INMUNATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINING																						
ALABAMA		1,290		4		18					2,677		5,165			79		317		556		23,723
ALASKA																					12,000	3
ARIZONA											140		116								6,000	342
COLORADO		563				1,394					91		1,071			159		10		5		5,297
ILLINOIS	12,000	5,722		54					6,000		7,187		11,681			1,295		612		705		12,000
INDIANA		346									348		1,439			111				1		3,626
IOWA		4											128									180
KANSAS													57									119
KENTUCKY	18,000	25,992			6,000	227					16,229		15,630			1,656		152		6,000		102,000
LOUISIANA											2											7
MARYLAND		93									261		556			42		58				1,743
MISSOURI		4									36		28									231
MONTANA											285		187									884
NEW MEXICO		17									509		63									713
NORTH CAROLINA		5									53		206									537
OHIO		1,170									1,397		3,172			230		61		45		10,467
OKLAHOMA		1									120		348			17		12				745
PENNSYLVANIA											215		1,076									7,628
ANTHRACITE		4,980									7,043		14,564			1,601		1,938		815		6,000
BITUMINOUS		11,667				1			29		7,298		15,640			1,601		1,938		818		6,000
ALL COAL		16,647				1			29		7,298		15,640			1,601		1,938		818		6,000
TEXAS		356									687		383			7		4				3,515
UTAH		449									67		781									1,816
VIRGINIA		3,706									1,061		1,191			154		54		2		8,266
WEST VIRGINIA		8,338				23					5,839		3,527			1,068		130		590		36,962
WYOMING	12,000	21,241			12,000	43					36		70									393
TOTAL		4,980									18,000		22,157			843		1,345		1,635		96,000
ANTHRACITE											215		1,076									7,628
BITUMINOUS	42,000	81,515		59	12,000	1,706					60,609		82,794			7,316		4,627		5,345		300,000
ALL COAL	42,000	86,495		59	12,000	1,706					60,609		83,870			7,316		4,627		5,348		300,000
INDEPENDENT SHOPS																						
ALABAMA											19		20									126
ILLINOIS											7		68									381
INDIANA																						66
KENTUCKY																						71
OHIO		21																				21
PENNSYLVANIA											5		75									571
ANTHRACITE																						571
BITUMINOUS											5		75									542
ALL COAL											49		615									1,061
WEST VIRGINIA	6,000	3																				571
TOTAL																						
ANTHRACITE											5		75									571
BITUMINOUS	6,000	24									75		703									2,268
ALL COAL	6,000	24									80		778									2,839

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, 1991 (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
PROCESSING PLANTS																						
ALABAMA		36															220		476		2	
ALASKA																	1					
CALIFORNIA																	64				1	
COLORADO																	248		129			
ILLINOIS																	186		263			
INDIANA																						
KANSAS																						
KENTUCKY		106								111					83		3,592		842		250	
MARYLAND																	66		6			
MISSOURI																	45		2			
MONTANA																	7					
NEW MEXICO																	30					
OHIO																			90			
PENNSYLVANIA																						
ANTHRACITE																	921		366		26	
BITUMINOUS		9						1									1,001		496		106	
ALL COAL		9						1									1,922		862		132	
TENNESSEE																	219		2		7	
TEXAS																						
UTAH																	18					
VIRGINIA		3															678		143		24	
WASHINGTON																						
WEST VIRGINIA										4							3,258		1,005		451	
WYOMING																	46					
TOTAL																						
ANTHRACITE																	921		366		26	
BITUMINOUS		154						1									9,679		3,454		841	
ALL COAL		154						1									10,600		3,820		867	

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, 1991 (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		74									88		180								1,136	1
ALASKA																					83	
CALIFORNIA		56									10		83								196	
COLORADO		62									35		678								1,202	
ILLINOIS		1				5					100		205								690	
INDIANA											609										100	
KANSAS		3,818				2							1,922								11,446	
KENTUCKY											40		10								23	
MARYLAND											3										108	
MISSOURI											47										45	
MONTANA																					10	
NEW MEXICO		1											28								199	
OHIO																						
PENNSYLVANIA		102									242		659								2,549	
ANTHRACITE		127									360		1,861								4,317	
BITUMINOUS		229									602		2,520								6,866	
ALL COAL		44											12								284	
TENNESSEE																					1	
TEXAS																					35	
UTAH													17									
VIRGINIA		344									79		867								2,187	
WASHINGTON													2								2	
WEST VIRGINIA		629									262		3,668								9,499	
WYOMING	6,000																				12,000	
TOTAL																						
ANTHRACITE	5,000	102									242		659								2,549	
BITUMINOUS	6,000	5,196									1,633		9,659								18,000	
ALL COAL	6,000	5,298									1,875		10,318								18,000	
																					34,209	

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, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRANCE		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BURNING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SLIP OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDTOOL		NONREPORTED HAULAGE	
	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL
TOTAL MINES AND PLANTS																						
ALABAMA		42				43																
ALASKA																						
ARIZONA																						
CALIFORNIA		350																				
COLORADO		258																				
ILLINOIS		4																				
INDIANA																						
IOWA																						
KANSAS																						
KENTUCKY		236				15		6 000	254	313												
LOUISIANA																						
MARYLAND																						
MISSOURI																						
MONTANA																						
NEW MEXICO																						
NORTH DAKOTA																						
OHIO		32																				
OKLAHOMA		21				4																
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS		735				2		6 000	60	111												
ALL COAL		735				2		6 000	60	111												
TEXAS		389																				
UTAH																						
VIRGINIA		439				119		6 000	140	33												
WASHINGTON																						
WEST VIRGINIA		1 659				23		6 000		44												
WYOMING																						
TOTAL																						
ANTHRACITE		4 666				418		18 000	455	731												
BITUMINOUS		24 000				418		18 000	455	731												
ALL COAL		24 000				418		18 000	455	731												
OFFICE																						
ALABAMA																						
ILLINOIS																						
KENTUCKY																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
UTAH																						
WEST VIRGINIA																						
WYOMING																						
TOTAL																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						

TABLE 14 NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPROVEMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KICKING ON OBJECT		STRIKING OR RUNNING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINES AND PLANTS																						
ALABAMA		1 364		4		18					2 784		5 345		79		317		616		12 000	24 985
ALASKA											740		116								6 000	342
ARIZONA											91		83								6 000	83
CALIFORNIA		639				1 394					7 204		1 096		150		10		5		12 000	5 493
COLORADO		5 784		54		5			6 000		383		12 379		1 358		616		708		12 000	50 678
ILLINOIS	12 000	347									100		1 644		111				1		6 000	4 361
INDIANA		4									16 838		178								102 000	180
IDAHO	18 000	29 810			6 000	225					2		57		1 708		157		734		102 000	219
KANSAS											261		566								6 000	7
KENTUCKY		93									76		78		42		64		1		12 000	1 766
LOUISIANA		4									286		187								6 000	338
MARYLAND											512		63								12 000	929
MISSOURI											53		206								6 000	723
MONTANA		17									1 644		3 200		232		61		100		6 000	537
NEBRASKA		5									120		348		17		12				6 000	46
NORTH CAROLINA		1 192									462										6 000	745
OHIO		1									7 403		1 810		98						6 000	10 748
PENNSYLVANIA		5 990				1					7 885		16 425		1 604		2 114		137		6 000	10 748
ANTHRACITE		11 794				1					7 885		18 235		1 703		2 114		982		6 000	19 367
BITUMINOUS		16 876				1					687		385		7		4		1 729		6 000	90 105
ALL COAL		400									67		782								6 000	13 094
TEXAS		449									1 061		1 208		154				54		6 000	8 301
UTAH		3 706				23					5 967		4 394		1 076		130		631		54 000	29 691
VIRGINIA		8 685									36		72								114 000	305
WASHINGTON		11									24 000		26 440		924		1 372		1 749		114 000	137 140
WEST VIRGINIA	24 000	21 870			12 000	43					16 311		374		54						114 000	2 782
WYOMING		520									462										10 748	
TOTAL		5 980									462		1 810		98						10 748	
ANTHRACITE		86 695				1 713					30 000		62 317		98		4 845		137		324 000	503 362
BITUMINOUS		91 777				1 713					30 000		93 156		7 526		4 845		5 795		324 000	514 110
ALL COAL													6 000		7 625						324 000	
OFFICE																						
ALABAMA													76								34	
ILLINOIS											9		8								104	
KENTUCKY																					301	
PENNSYLVANIA													139								143	
ANTHRACITE													139								143	
BITUMINOUS													46								46	
ALL COAL													519								1 108	
UTAH																					54	
WEST VIRGINIA																						
WYOMING																						
TOTAL											9		788								1 796	
ANTHRACITE											9		788								1 796	
BITUMINOUS																						
ALL COAL																						

TABLE 14 NUMBER OF LOST HOURS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES 1981 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREACHING AGENT		FALLING ROLL OR OBJECTS HITTING MATERIAL		FALL OF FAULT RIER, SLIDE OR HIGHWALL		FALL OF ROOF UNDEGROUND MINES ONLY		FIRE		HANDLING MATERIAL		HANDS ON		NONWORKED 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		40							6 000		1 400		6 000		16		9 577		1 904			
ALABAMA																	4					
ALASKA																	7					
ARIZONA																						
CALIFORNIA																						
COLOrado		250															1 300		383		10	
ILLINOIS		250															15 272		2 844		113	
INDIANA		4															1 042		820			
IOWA																	31		15			
KANSAS																	58		3			
KENTUCKY	12 000	736			15		6 000	254	313		2 132		5 572		155		45 633	6 000	5 686		589	
LOUISIANA																	429		18			
MARYLAND																	212		17			
MISSOURI																	250		72			
MONTANA																	120		2			
NEW MEXICO																	142		31			
NORTH CAROLINA																	2 634		671			
OHIO		30															212				33	
OKLAHOMA		21																				
PENNSYLVANIA																						
RHODE ISLAND																						
SOUTH CAROLINA																						
TENNESSEE																						
TEXAS																						
UTAH																						
VIRGINIA	6 000	439			119		6 000	140	33								12 413		2 268		44	
WASHINGTON																	216					
WEST VIRGINIA	6 000	1 659			23		6 000	92	44								52 261	6 766			885	
WYOMING																	614					
TOTAL	24 000	4 666			419		12 000	455	731		26		114 000		425		2 534		572		26	
ANTHROPIC	24 000	4 666			419		12 000	455	731		26		114 000		425		177 408		25 707		2 502	
BIOPHIC																			6 000			
ALL COAL	24 000	4 666			419		12 000	455	731		26		114 000		425		177 408		26 279		2 528	

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, 1991 (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
GRAND TOTAL																						
ALABAMA		1,364		4		18						2,784		5,345		79		317		616	12,000	25,019
ALASKA												140		116								4
ARIZONA														83								342
CALIFORNIA		639				1,394			6,000			91		1,096		159		10		5	6,000	5,493
COLORADO	12,000	5,784		54		5						7,204		1,455		1,358		618		708	12,000	50,782
ILLINOIS		347										383		1,644		111				1		4,381
INDIANA		4												128								180
IOWA												100		27								219
KANSAS												16,847		17,626		1,708		157	6,000	734	102,000	128,203
KENTUCKY	18,000	29,810			6,000	229						2										7
LOUISIANA												261		566		42		64		1		1,766
MARYLAND		93										76		28								339
MISSOURI		4		1								285		187	6,000					135	12,000	929
MONTANA												512		63						9		723
NEW MEXICO		17										53		206						100		537
NORTH DAKOTA		5										1,644		3,200		232		61		46	6,000	10,687
OHIO		1,192										120		348		17				12		745
OKLAHOMA		1																				
PENNSYLVANIA												462		1,810		99				137		10,748
ANTHRACITE		5,082										7,403		16,564		1,604		2,114		992	6,000	79,506
BITUMINOUS		11,794				1			29													
ALL COAL		16,876				1			29			7,865		18,374		1,703		2,114		1,129	6,000	90,254
TENNESSEE		400										687		395		7		4				3,799
TEXAS		449										67		782						54		1,817
UTAH		3,706										1,051		1,254		154				2		8,347
VIRGINIA		8,685				23					6,000	5,967		4,394		1,076		130	6,000	631	54,000	39,691
WASHINGTON		11										36		72								395
WEST VIRGINIA	24,000	21,870			12,000	43					24,000	16,311		26,959		924		1,372		1,749	114,000	138,848
WYOMING		520										292		374		54						2,316
TOTAL																						
ANTHRACITE		5,082										462		1,810		99				137		10,748
BITUMINOUS	54,000	86,695		59	18,000	1,713			6,000	29	30,000	62,326	6,000	93,944		7,526		4,847	12,000	5,795	324,000	505,158
ALL COAL	54,000	91,777		59	18,000	1,713			6,000	29	30,000	62,788	6,000	95,754		7,625		4,847	12,000	5,932	324,000	515,906

TABLE 15 INJURY EXPERIENCE BY DEGREE, WORKLINE AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ALL LOCAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES										INJURIES PER MILLION TONS				LOST WORKDAYS PER MILLION TONS			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED PRODUCTION (SHORT TONS)	
	FATAL	NFI				TOTAL INJURIES	NFI	TOTAL FATAL AND NFI			FATAL	NFI	ALL FATAL AND NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI					
		PERMANENT	TEMPORARY					TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI												
			TOTAL	PARTIAL	1																	2
UNDERGROUND MINES	4		5	122	127	131	161	30	131	127	127	131	37	38	8	7	2	9	3,451	2,577,383	468	3,391,529
	4		5	178	183	187	222	35	187	183	183	187	26	27	5	3	3	4	2,656	3,076,015	186	6,905,724
	12		6	445	449	461	509	68	461	445	445	461	21	22	3	3	1	4	4,714	7,471,299	274	19,941,813
			6	338	344	344	413	69	344	338	338	344	11	11	4	4	1	1	3,038	5,596,748	132	15,378,335
	5		8	521	529	534	653	119	534	521	521	534	17	18	4	4	1	1	4,522	9,087,415	147	28,705,681
	3		21	1,165	1,186	1,189	1,492	303	1,189	1,165	1,165	1,186	22	23	4	4	1	1	8,477	17,611,138	176	67,035,105
	2		5	552	560	562	696	136	562	552	552	562	10	10	3	3	1	1	3,625	7,770,153	41	25,178,467
			5	470	476	476	612	136	476	470	470	476	23	23	3	3	1	1	2,979	6,366,907	24	20,600,941
	9		44	4,017	4,061	4,070	5,046	976	4,070	4,017	4,017	4,061	18	18	4	4	1	1	29,218	62,967,525	110	221,995,756
	TOTAL OR AVERAGE	35	1	7,808	7,915	7,954	9,826	1,872	7,954	7,808	7,808	7,915	10	19	4	4	1	1	62,720	122,424,583	1,558	404,917,351
SURFACE MINES			1	61	62	62	92	30	62	61	61	62	13	13	1	1	1	1	3,357	3,835,880	703	4,735,574
			1	55	56	56	76	20	56	55	55	56	9	9	1	1	1	1	1,667	2,621,530	166	6,638,448
			3	85	88	88	113	25	88	85	85	88	6	6	1	1	1	1	2,477	4,599,876	181	12,936,117
	2		2	172	174	174	244	70	174	172	172	174	3	3	1	1	1	1	1,235	3,413,385	85	10,437,892
			2	219	220	223	313	90	223	219	219	223	8	8	1	1	1	1	2,551	5,026,811	108	20,915,555
	3		1	107	108	108	139	31	108	107	107	108	4	4	1	1	1	1	4,305	9,783,134	102	36,276,472
			3	56	57	57	88	19	57	56	56	57	1	1	1	1	1	1	2,350	5,913,354	45	26,857,914
			7	570	577	579	688	119	579	570	570	577	1	1	1	1	1	1	1,867	4,743,627	22	19,339,725
	2						941	362											20,552	42,765,216	103	436,921,231
	TOTAL OR AVERAGE	7	21	1,404	1,425	1,432	2,107	675						92	92	17	3	66	41,461	83,102,813	1,515	576,452,864
AUGER			1	7	8	8	13	5	8	7	7	8	1	1	1	1	1	1	306	192,383	62	212,638
				3	3	3	5	2	3	3	3	3	1	1	1	1	1	1	45	112,277	10	627,369
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	32	68,952	3	382,065
				10	10	10	18	8	10	10	10	10	2	2	1	1	1	1	86	181,409	4	758,261
				3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	54	89,736	3	857,506
CUTLUM BANK			1	24	25	25	40	15	25	24	24	25	7	7	3	3	3	3	563	644,167	82	3,318,079
			1	5	6	6	7	1	6	5	5	6	2	2	1	1	1	1	265	290,375	50	215,961
				5	5	5	6	1	5	5	5	5	1	1	1	1	1	1	46	68,000	12	437,799
			1	3	4	4	4	4	4	4	4	4	1	1	1	1	1	1	46	124,577	6	410,493
				9	9	9	11	2	9	9	9	9	1	1	1	1	1	1	40	86,025	2	262,477
																			24	59,127	1	159,016
																			8	19,459	1	413,168
	TOTAL OR AVERAGE		2	22	24	24	32	8	24	22	22	24	12	12	4	4	1	1	444	648,163	72	1,898,814

TABLE 15 INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES						INJURIES PER MILLION TONS				LOST WORKDAYS PER MILLION TONS				AVERAGE NUMBER OF HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)				
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI	ALL INJURIES								
		PERMANENT	PARTIAL	TOTAL															FATAL	NFI	ALL FATAL AND NFI	ALL INJURIES
DIRECT																						
0 24 999																		83 030				
25 000 49 999																		107 782				
150 000 249 999																		238 139				
TOTAL OR AVERAGE																		428 961				
TOTAL OR AVERAGE SURFACE																						
0 24 999																		5 751 103				
25 000 49 999																		7 191 628				
50 000 99 999																		13 728 675				
100 000 149 999																		11 448 960				
150 000 249 999																		22 170 216				
250 000 499 999																		36 689 646				
500 000 749 999																		26 857 914				
750 000 999 999																		19 339 725				
1 000 000 OR MORE																		438 321 231				
TOTAL OR AVERAGE																		502 098 718				
TOTAL OR AVERAGE MINING																						
0 24 999																		9 142 632				
25 000 49 999																		14 097 352				
50 000 99 999																		33 670 488				
100 000 149 999																		27 826 915				
150 000 249 999																		50 875 897				
250 000 499 999																		97 724 751				
500 000 749 999																		51 986 381				
750 000 999 999																		39 940 666				
1 000 000 OR MORE																		660 850 987				
TOTAL OR AVERAGE																		986 116 069				
SURFACE AT UNDERGROUND																						
INDEPENDENT SHOPS																						
PROCESSING PLANTS																						
OFFICE																						
GRAND TOTAL OR AVERAGE																		986 116 069				

TABLE 15A INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES										INJURIES PER MILLION TONS				LOST WORKDAYS PER MILLION TONS			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	FATAL	NONFATAL				TOTAL FATAL AND NONFATAL	NONFATAL	TOTAL INJURIES	INJURIES PER MILLION TONS				FATAL	NONFATAL	ALL FATAL AND NONFATAL	FATAL	NONFATAL						ALL FATAL AND NONFATAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		PERMANENT	TEMPORARY		TOTAL FATAL AND NONFATAL				FATAL	NONFATAL	ALL FATAL AND NONFATAL	FATAL												NONFATAL	ALL FATAL AND NONFATAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			TOTAL	PARTIAL																						FATAL	NONFATAL	ALL FATAL AND NONFATAL	FATAL	NONFATAL	ALL FATAL AND NONFATAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
UNDERGROUND MINES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

TABLE 15A - INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES							INJURIES PER MILLION TONS				LOST WORKDAYS PER MILLION TONS			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	PRODUCTION (SHORT TONS)			
	FATAL	NFDL					TOTAL INJURIES	FATAL	NFDL	TOTAL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL									
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	NFDL								ALL FATAL AND NFDL						ALL INJU- RIES		
																					TOTAL	PARTIAL
SURFACE AT UNDERGROUND				5	5			6						95	108,207	3	58					
INDEPENDENT SHOPS				5	5			1						41	74,294	3						
PROCESSING PLANTS		1	72	73	73			24						703	1,244,296	60	9					
OFFICE														126	200,885	1	52					
GRAND TOTAL OR AVERAGE		3	156	159	159			49						2,201	3,551,137	263	119	3,404,122				

TABLE 15B INJURY EXPERIENCE BY DEGREE WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES 1991

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES										INJURIES PER MILLION TONS			LOST WORKDAYS PER MILLION TONS			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)																				
	FATAL	NFI					TOTAL FATAL AND NFI		NFI	TOTAL INJURIES	FATAL	NFI	ALL INJURY RATES	FATAL	NFI	ALL FATAL AND NFI																									
		PERMANENT		TEMPORARY		TOTAL																																			
		TOTAL	PARTIAL	TOTAL	PARTIAL																																				
UNDERGROUND MINES																																									
0 - 24 999	4	5		116		121	125		28	153	128	38	48	7	2	55	3,176	2,267,149	396		3,123,650																				
25 000 - 49 999	4	5		177		182	186		35	221	58	26	32	3	2	40	2,638	3,542,081	184		6,800,982																				
50 000 - 99 999	12	4		445		449	461		68	509	60	22	26	3,611	1,090	4,700	4,714	7,471,298	274		19,941,813																				
100 000 - 149 999		6		328		334	344		69	413		21	25			1,116	3,080	5,596,748	132		16,378,335																				
150 000 - 249 999	3	8		521		529	534		119	653		17	22	1,045		1,166	4,502	9,087,415	147		26,705,661																				
250 000 - 499 999	3	21		1,165		1,168	1,189		363	1,452	05	19	45	295		1,190	1,485	8,477,138	176		61,035,105																				
500 000 - 749 999	2	8		552		560	562		136	698	08	22	29	478		1,041	3,685	7,770,153	41		25,129,467																				
750 000 - 999 999		5		470		476	476		136	612		23	31			1,400	2,919	6,766,907	54		20,600,941																				
1,000 000 OR MORE	9	44		4,017		4,061	4,070		976	5,046	04	18	22	243		1,058	29,218	62,967,525	110		221,999,756																				
TOTAL OR AVERAGE	39	1	106	7,801		7,908	7,947		1,870	9,817	10	19	29	586		1,548	62,427	122,070,415	484		483,694,730																				
SURFACE MINES																																									
0 - 24 999		1		57		58	58		26	84		13	18			451	3,376	3,590,448	548		4,462,924																				
25 000 - 49 999		2		45		47	47		17	67		8	11			322	1,506	2,188,645	166		5,836,090																				
50 000 - 99 999		2		77		79	79		23	102		6	9	1,163		1,197	2,369	4,390,840	173		12,396,715																				
100 000 - 149 999	2	2		156		158	161		28	206	19	6	7			1,454	1,706	3,351,673	64		10,321,199																				
150 000 - 249 999		2		192		194	196		66	260		7	11			321	2,662	5,940,922	136		20,533,874																				
250 000 - 499 999	3	1		107		108	108		84	200	08	5	7	501		650	4,118	9,483,375	101		26,857,914																				
500 000 - 749 999		3		66		69	69		31	135		4	5			109	2,590	5,913,364	45		19,338,725																				
750 000 - 999 999	2	3		570		573	579		119	941	14	3	4	27		62	1,867	4,143,627	22		438,921,231																				
1,000 000 OR MORE		7		1,343		1,350	1,370		658	2,028	01	2	3	73		88	40,796	81,928,100	1,442		574,626,924																				
TOTAL OR AVERAGE	7	20		1,343		1,363	1,370		1,870	9,817	10	19	29	586		1,548	62,427	122,070,415	484		483,694,730																				
ADDER																																									
0 - 24 999		1		7		8	8		5	13		11	13			594	306	192,393	62	45	712,638																				
25 000 - 49 999				3		3	3		2	5		4	6			263	85	112,277	10	7	607,586																				
50 000 - 99 999				1		1	1		1	1		2	2			5	32	58,062	3	3	382,085																				
100 000 - 149 999				10		10	10		8	18		13	19			236	86	181,408	4	3	758,281																				
150 000 - 249 999				3		3	3		3	3		3	50			182	54	89,736	3	1	857,506																				
TOTAL OR AVERAGE	1			24		25	25		15	40		7	53			278	563	644,767	82	59	3,318,079																				
QUIM BANK																																									
0 - 24 999																																									
25 000 - 49 999		1		1		2	2		1	3		24	31			644	95	33,952	20	5	82,274																				
50 000 - 99 999				1		1	1			1		14	58			627	8	13,304	2		68,592																				
100 000 - 149 999																	4	86,029	1		73,436																				
150 000 - 249 999				9		9	9		2	11		56	60			1,019	40	59,727	2		262,477																				
TOTAL OR AVERAGE	1			11		12	12		3	15		18	58			400	171	298,789	26	5	159,016																				
OREDEGE																																									
0 - 24 999																																									
25 000 - 49 999				1		1	1		1	1		12	42			671	56	47,651	17		80,488																				
50 000 - 99 999				1		1	1		1	1		4	20			1,331	24	46,008	3		107,792																				
100 000 - 149 999									2	3		4	60				6	18,618	1		238,139																				
TOTAL OR AVERAGE				2		2	2		3	5		4	69			870	86	112,277	21		426,419																				

TABLE 15B INJURY EXPERIENCE BY DEGREE, WORKTIME AND PRODUCTION FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991 (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	NFDI		TOTAL 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	PARTIAL	TOTAL NFDI																	
TOTAL OR AVERAGE, SURFACE																					
0 24,999			3	66	69	69	32	101	12 93	12 93	5 99	18 92		477	477	3 833	3 924 444	747	50	5 338 324	
25 000 49 999			1	53	54	54	20	74	8 16	8 16	3 02	11 18		314	314	1 713	2 652 234	175	7	6 620 063	
50 000 99 999			2	78	80	80	23	103	6 22	6 22	1 79	8 01		190	190	2 405	4 433 573	177	3	12 852 216	
100 000 149 999	2		2	76	78	80	36	116	6 88	7 05	3 17	10 23	1 058	281	1 339	1 832	3 619 107	90	3	11 341 957	
150 000 249 999			2	172	174	174	72	246	7 99	7 99	3 30	11 29		332	332	2 746	6 009 003	111	1	21 788 535	
250 000 499 999	3		1	192	193	196	84	280	5 37	5 45	2 34	7 79	501	149	650	4 118	9 483 375	101		35 957 252	
500 000 749 999			1	107	108	108	31	139	4 02	4 02	1 15	5 18		109	109	2 550	5 913 354	45		26 857 914	
750 000 999 999			3	66	69	69	19	88	3 57	3 57	98	4 55		62	62	1 867	4 143 627	22		19 339 725	
1 000 000 OR MORE	2		7	570	577	579	362	941	1 31	1 32	82	2 14	27	57	84	20 552	42 765 216	103		438 321 231	
TOTAL OR AVERAGE	7		22	1 380	1 402	1 409	679	2 088	01	2 42	2 43	1 17	3 61	73	90	162	41 616	82 943 933	1 571	64	579 017 217
TOTAL OR AVERAGE, MINING																					
0 24,999	4		8	182	190	194	60	254	47	22 45	22 93	7 09	30 02	2 836	1 394	4 230	7 009	6 181 593	1 143	50	8 461 974
25 000 49 999	4		5	230	236	240	55	295	30	17 52	17 82	4 08	21 90	1 782	623	2 405	4 351	5 694 315	359	7	13 471 045
50 000 99 999	12		6	523	529	541	91	632	37	16 13	16 50	2 77	19 27	2 196	737	2 933	7 119	11 904 872	451	3	32 794 029
100 000 149 999	2		8	414	422	424	105	529	07	15 22	15 30	3 79	19 08	433	774	1 207	4 870	9 215 855	222	3	27 720 292
150 000 249 999	5		10	693	703	708	191	899	10	13 92	14 02	3 78	17 80	594	677	1 271	7 248	15 096 418	258	1	50 494 216
250 000 499 999	6		22	1 357	1 379	1 385	387	1 772	06	14 22	14 28	3 99	18 27	371	804	1 175	12 595	27 094 513	277		96 992 357
500 000 749 999	2		9	659	668	670	167	837	04	12 85	12 89	3 21	16 10	231	560	791	6 235	13 683 507	86		51 995 381
750 000 999 999		1	8	536	545	545	155	700		13 65	13 65	3 88	17 53		753	753	4 846	10 410 534	46		39 940 666
1 000 000 OR MORE	11		51	4 587	4 638	4 649	1 338	5 987	02	7 02	7 03	2 02	9 06	100	311	411	49 770	105 732 741	213		660 850 987
TOTAL OR AVERAGE	46	1	128	9 181	9 310	9 356	2 549	11 905	05	9 47	9 52	2 59	12 11	281	451	732	104 043	205 014 348	3 055	64	982 711 947
SURFACE AT UNDERGROUND	4		10	551	561	565	202	767									6 934	12 545 740	44	1 225	
INDEPENDENT SHOPS	1		1	50	51	52	47	99									1 073	2 060 562	80		
PROCESSING PLANTS	3		16	731	747	750	255	1 005									13 525	27 561 982	556	253	
OFFICE				29	29	29	11	40									6 859	12 407 931	27	1 426	
GRAND TOTAL OR AVERAGE	54	1	155	10 542	10 698	10 752	3 064	13 816									132 434	259 590 563	3 762	2 968	982 711 947

TABLE 16. NUMBER OF INJURIES, LOSI WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES						LOSI WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI		
		PERMANENT	PARTIAL	TEMPORARY				PERMANENT	PARTIAL	TEMPORARY						
UNDERGROUND MINES																
0	4	5	122	127	133	30	161	24 000	5 206	4 411	9 611	33 611	1 040	36	257	
25 000	4	5	178	183	187	35	222	30 000	6 335	5 695	6 335	30 325	1 040	36	162	
49 999	12	4	445	445	461	68	529	72 000	700	21 032	21 732	93 732	175	47	203	
100 000	149 999	5	338	344	344	68	413	100 000	4 400	13 875	18 275	18 275	733	41	53	
250 000	3	21	1 165	1 186	1 189	303	1 492	249 996	3 025	23 921	26 946	36 946	378	46	107	
500 000	2	1	452	456	462	136	596	746 999	9 875	62 769	72 644	90 644	470	54	76	
999 999	9	44	470	476	476	136	612	999 999	6 000	25 538	26 163	38 163	78	46	68	
1 000 000 OR MORE	9	44	470	476	476	136	612	999 999	11 388	27 551	28 939	28 939	60	48	68	
LOSI OR AVERAGE	39	106	7 808	7 915	7 994	872	9 826	234 000	6 000	349 292	351 395	625 395	341	45	79	
SURFACE MINES																
0	2	1	61	62	62	30	92	12 000	50	2 094	2 104	2 104	50	34	34	
25 000	2	1	52	56	56	20	76	100 000	50	1 947	1 997	1 997	50	34	34	
49 999	2	3	85	88	88	25	113	249 999	150	2 790	2 850	2 850	50	36	36	
100 000	2	3	59	63	63	28	101	499 999	360	2 735	3 095	15 095	175	40	207	
150 000	2	1	172	174	174	70	244	999 999	150	6 923	7 073	17 073	175	40	207	
250 000	3	1	219	225	223	94	313	499 999	115	6 465	6 580	24 640	175	30	110	
500 000	3	1	107	108	108	31	138	746 999	25	2 887	2 937	2 937	75	27	77	
999 999	2	3	66	69	69	19	88	999 999	25	990	1 205	1 205	46	38	64	
1 000 000 OR MORE	2	7	570	577	579	362	941	1 000 000 OR MORE	3 400	21 511	24 911	36 911	46	38	64	
LOSI OR AVERAGE	7	21	1 404	1 425	1 432	675	2 107	42 000	4 600	48 202	52 802	94 802	219	34	66	
ALLER																
0	1	1	7	8	8	5	13	50	50	377	427	427	50	54	53	
25 000	1	1	3	3	3	2	5	160	160	160	160	160	53	53	53	
49 999	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	
50 000	1	1	1	1	1	1	1	179	179	179	179	179	18	18	18	
100 000	1	1	3	3	3	8	18	156	156	156	156	156	52	52	52	
150 000	1	1	24	25	25	15	40	874	874	874	874	874	36	36	37	
LOSI OR AVERAGE	1	1	24	25	25	15	40	50	50	874	924	924	50	36	37	
CUM BARR																
0	1	1	5	5	5	1	7	50	50	45	95	95	50	9	16	
25 000	1	1	3	3	3	1	6	65	65	65	65	65	13	13	13	
49 999	1	1	3	3	3	4	8	231	4 300	4 331	4 731	4 731	77	77	77	
50 000	1	1	9	9	9	2	11	162	162	162	162	162	18	18	18	
100 000	1	1	9	9	9	2	11	162	162	162	162	162	18	18	18	
150 000	1	1	9	9	9	2	11	162	162	162	162	162	18	18	18	
LOSI OR AVERAGE	2	2	22	24	24	8	32	4 550	4 550	503	5 053	5 053	2 275	23	211	

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, 1981 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY							
	FATAL	NFI			TOTAL FATAL AND NFI	NOI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI			
		PERMANENT		TEMPORARY					TOTAL		TOTAL NFI							
		TOTAL	PARTIAL						TOTAL	PARTIAL								
DREDGE	0	24,999																
	25,000	49,999		1	1		1											
	150,000	249,999		1	1		2											
TOTAL OR AVERAGE				2	2		3											
TOTAL OR AVERAGE SURFACE																		
	0	24,999		74	77		36											
	25,000	49,999		63	64		24											
	50,000	99,999		93	93		29											
	100,000	149,999		79	81		36											
	150,000	249,999		185	187		74											
	250,000	499,999		219	220		90											
	500,000	749,999		107	108		31											
	750,000	999,999		56	59		19											
	1,000,000 OR MORE			570	577		362											
TOTAL OR AVERAGE				24	1,476		701											
TOTAL OR AVERAGE MINING																		
	0	24,999		196	204		66											
	25,000	49,999		241	247		59											
	50,000	99,999		534	542		97											
	100,000	149,999		417	425		105											
	150,000	249,999		706	716		193											
	250,000	499,999		1,384	1,406		393											
	500,000	749,999		659	668		167											
	750,000	999,999		536	545		155											
	1,000,000 OR MORE			4,587	4,638		1,338											
TOTAL OR AVERAGE				9,260	9,391		2,573											
SURFACE AT UNDERGROUND																		
INDEPENDENT SHOPS																		
PROCESSING PLANTS																		
OFFICE																		
GRAND TOTAL OR AVERAGE				10,688	10,837		3,113											

TABLE 16A NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY					
	FATAL	NFI				TOTAL FATAL AND NFI	NDI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		PERMANENT	TEMPORARY		TOTAL					PARTIAL						
			TOTAL	PARTIAL												
											TOTAL	TEMPORARY				
UNDERGROUND MINES																
0 24,999		6	6	6	6	2	8				367	367	17	61	17	61
25,000 49,999		1	1	1	1	1	1							55	55	
TOTAL OR AVERAGE		7	7	7	7	2	9				384	384				
SURFACE MINES																
0 24,999		4	4	4	4	4	8									
25,000 49,999		6	6	6	6	3	9									
50,000 99,999		8	8	8	8	2	11			50						
100,000 149,999		3	3	3	3	2	5									
150,000 249,999		13	13	13	13	6	33									
250,000 499,999		27	27	27	27	17	79			50						
TOTAL OR AVERAGE		61	62	62	62	17	79			50						
COAL BANK																
0 24,999		4	4	4	4	4	4									
25,000 49,999		4	4	4	4	1	5									
50,000 99,999		3	3	3	3	4	8			4,500						
250,000 499,999		1	1	1	1	5	17			4,500						
TOTAL OR AVERAGE		11	12	12	12	5	17			4,500						
DREDGE																
0 24,999																
TOTAL OR AVERAGE																
SURFACE																
0 24,999		8	8	8	8	4	12									
25,000 49,999		10	10	10	10	4	14									
50,000 99,999		11	11	11	11	6	19			4,500						
100,000 149,999		3	3	3	3	2	5									
150,000 249,999		13	13	13	13	6	33									
250,000 499,999		27	27	27	27	17	79			4,500						
TOTAL OR AVERAGE		72	74	74	74	22	96			4,500						
MINING																
0 24,999		14	14	14	14	6	20									
25,000 49,999		11	11	11	11	4	15			4,500						
50,000 99,999		11	11	11	11	6	19									
100,000 149,999		3	3	3	3	2	5									
150,000 249,999		13	13	13	13	6	33									
250,000 499,999		27	27	27	27	17	79			4,500						
TOTAL OR AVERAGE		79	81	81	81	24	105			4,500						

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, 1991 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDI				TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI				TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI
		PERMANENT		TEMPO- RARY	TOTAL NFDI					PERMANENT		TEMPO- RARY	TOTAL NFDI				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
SURFACE AT UNDERGROUND																	
INDEPENDENT SHOPS				5	5	5	1	6				571	571	571		114	114
PROCESSING PLANTS			1	72	73	73	24	97		150		2,399	2,549	2,549	150	33	35
OFFICE																	
GRAND TOTAL OR AVERAGE			3	156	159	159	49	208		4,700		6,048	10,748	10,748	1,567	39	68

*BUT THE NUMBER OF INJURIES, LOSI MONDAYS AND AVERAGE SEVERITY BY STATE FOR WORK LOCATION AND PRODUCTION SITE GROUP AT DIFFERENT LOSI OPERATIONS IN THE UNITED STATES (1991)

WORK LOCATION AND PRODUCTION SITE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NON-FATAL		TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	FATAL	NON-FATAL		TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	FATAL AND NON-FATAL	PERMANENT PARTIAL	TEMPORARY	TOTAL	FATAL AND NON-FATAL	
		PERMANENT	PARTIAL				PERMANENT	PARTIAL								
UNDERGROUND MINES																
0	4	2	116	122	28	24,000	5	4,044	9,242	33,244	1,040	35	256			
25,000	4	3	177	182	35	24,000	5	5,619	6,318	30,318	128	32	163			
49,999	12	4	445	449	59	22,000	700	21,037	21,737	93,737	175	47	203			
50,000	100,000	149,999	338	342	69	413	4,000	13,876	18,276	78,276	733	41	53			
100,000	249,999	521	524	119	643	30,000	3,025	23,871	26,896	56,896	378	46	107			
250,000	499,999	1,165	1,167	303	1,470	18,000	9,875	52,769	72,644	90,644	470	54	76			
500,000	749,999	222	222	136	270	12,000	625	22,551	28,163	38,163	78	46	66			
750,000	999,999	470	470	136	606	54,000	300	22,551	28,163	38,163	78	46	66			
1,000,000 OR MORE	9	44	4,017	4,061	5,046	54,000	11,338	169,499	180,837	234,837	258	42	58			
TOTAL OR AVERAGE	35	106	7,803	7,909	9,812	234,000	36,103	348,908	385,011	629,011	341	45	79			
SURFACE MINES																
SHRIMP																
0	2	1	57	58	26	54	50	1,965	2,015	2,015	50	34	35			
25,000	2	1	49	50	17	67	50	1,828	1,878	1,878	50	37	38			
49,999	2	2	77	79	23	107	100	2,338	2,438	2,438	50	30	31			
50,000	100,000	149,999	66	68	28	98	350	2,671	3,011	15,011	175	40	214			
100,000	249,999	159	161	161	229	18,000	175	6,438	6,588	5,588	175	40	74			
250,000	499,999	107	108	108	119	18,000	50	2,967	3,017	23,370	175	27	119			
500,000	749,999	66	66	66	84	18,000	225	2,967	3,017	1,205	175	15	17			
750,000	999,999	57	57	57	84	12,000	3,400	21,511	24,911	36,911	496	38	64			
1,000,000 OR MORE	2	7	570	577	367	12,000	4,000	45,803	50,303	92,303	298	34	67			
TOTAL OR AVERAGE	7	20	1,343	1,363	1,370	639	2,026	42,000	46,303	92,303	298	34	67			
ALUMINUM																
0	1	1	7	8	5	13	50	277	427	427	50	34	53			
25,000	1	1	3	4	2	7	50	160	160	160	50	32	33			
49,999	1	1	1	2	1	7	50	160	160	160	50	32	33			
50,000	100,000	149,999	10	10	8	16	179	179	179	179	50	32	33			
100,000	249,999	3	3	3	3	3	156	156	156	156	50	32	33			
TOTAL OR AVERAGE	1	1	24	25	15	40	50	874	924	924	50	36	37			
CUMULATIVE																
0	1	1	1	2	1	3	50	3	53	53	50	3	26			
25,000	1	1	1	2	1	7	50	43	43	43	50	3	43			
49,999	1	1	1	2	1	7	50	162	162	162	18	18	18			
50,000	100,000	149,999	9	9	2	11	162	162	162	162	18	18	18			
100,000	249,999	3	3	3	3	3	162	162	162	162	18	18	18			
TOTAL OR AVERAGE	1	1	11	12	11	15	50	268	268	268	50	19	22			
DRUGS																
0	1	1	1	1	1	1	54	37	37	37	54	54	54			
25,000	1	1	1	1	1	1	317	317	317	317	317	317	317			
49,999	1	1	1	1	1	3	317	317	317	317	317	317	317			
50,000	100,000	249,999	2	2	3	5	371	371	371	371	371	371	371			
TOTAL OR AVERAGE	1	1	2	2	3	5	54	371	371	371	371	371	371			

TABLE 162. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PRODUCTION SIZE GROUP AT CONTINUOUS LOCAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

WORK LOCATION AND PRODUCTION SIZE GROUP	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFI			TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	EXTRA NFI PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		PERMANENT	TEMPORARY				PERMANENT	TEMPORARY					
			TOTAL	PARTIAL				TOTAL	PARTIAL				
TOTAL OF AVERAGE SURFACE													
0 24 999		3	66	69	101			190		2 369	30	36	37
25 000 49 999		1	53	54	74			50		2 081	50	38	88
50 000 99 999		2	78	80	103			100		2 440	50	30	80
100 000 149 999	2	2	78	80	116	12 000		350		3 190	175	37	190
150 000 249 999		2	172	174	246			150		7 273	75	41	116
250 000 499 999	3	1	197	198	280	18 000		175		5 370	175	27	119
500 000 749 999		1	167	168	179			56		2 837	56	21	77
750 000 999 999		3	66	69	98	12 000		275		1 305	75	15	90
1 000 000 OR MORE		7	570	579	941			3 400		24 911	488	38	64
TOTAL OF AVERAGE	7	22	1 386	1 402	2 088	42 000		4 650		51 906	211	34	67
TOTAL OF AVERAGE MINING													
0 24 999	4	8	182	190	254	24 000		5 350		11 793	669	45	184
25 000 49 999	4	4	236	240	295	24 000		600		8 399	115	24	135
50 000 99 999	12	6	533	539	632	72 000		800		24 172	133	45	178
100 000 149 999	2	8	414	422	529	12 000		4 175		21 466	394	40	91
150 000 249 999	10	10	693	702	895	30 000		3 175		34 165	318	45	91
250 000 499 999	6	27	1 257	1 277	1 772	36 000		10 050		78 814	457	50	92
500 000 749 999	2	9	658	662	837	12 000		675		29 100	75	43	61
750 000 999 999		1	536	545	700	66 000		525		30 056	75	44	59
1 000 000 OR MORE	11	51	4 387	4 638	5 387			14 738		271 748	289	42	56
TOTAL OF AVERAGE	46	1	9 181	9 310	11 905	275 000		40 753		442 917	318	43	77
SURFACE AT UNDERGROUND	4	10	251	261	357	24 000		1 125		26 517	112	46	89
INDEPENDENT SHOPS	1	1	50	51	95	6 000		50		2 268	50	44	159
PROCESSING PLANTS	3	16	731	747	1 005	18 000		4 529		31 660	283	37	66
OFFICE			29	29	40			1 736		1 736		62	62
GRAND TOTAL OF AVERAGE	54	1	10 342	10 658	13 816	304 000		46 457		505 158	303	43	77

TABLE 17. NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ALL COAL OPERATIONS IN THE UNITED STATES, 1981

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY		
	FATAL	NEW			TOTAL FATAL AND NON-FATAL	NEW	TOTAL INJURIES	FATAL	NON-FATAL			TOTAL FATAL AND NON-FATAL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NON-FATAL
		PERMANENT	NON-FATAL						PERMANENT	NON-FATAL					
			TOTAL	TEMPORARY						TOTAL	TEMPORARY				
UNDERGROUND MINES															
BETWEEN ROOM OR	2	5	506	3	512	512	512	12,000	7,400		26,328	34,328	1,233	51	30
CARPENTRY			187	3	190	190	26				8,180	8,180		11	11
CLEANING			38	38	38	38	46				1,302	1,302		44	44
DRILL OPERATOR	4	7	370	377	384	384	504	24,000	7,700		42,088	42,088	111	47	37
ELECTRICIAN	3	8	945	945	953	953	1,128	18,000	4,000		68,822	68,822	506	49	110
HULL DUMP											46,805	46,805		49	49
HOLIST-CASE SKIP											211	211		106	106
LABORER	3	29	1,512	1,512	1,588	1,588	1,911	18,000	8,053		65,291	91,844	296	40	57
LOADING MACH. OR			34	34	34	34	44	6,000			2,110	2,110		54	54
MECHANICAL MAINTENANCE	1	14	795	795	810	810	1,041	18,000	2,100		31,193	36,293	120	38	20
MINING MACH. OR	3	12	816	816	888	888	1,077	36,000	3,050	6,000	43,175	46,225	254	49	70
POWER MACH. BLASTER	6		14	14	14	14	15				303	303		27	27
RAIL HANDS AND HULL											9,328	9,328		46	46
ROCK ROAD HOILER	6	15	184	184	185	185	234	36,000	4,300		26,802	26,451	211	40	71
SUPERVISOR/FOREMAN	8	10	1,388	1,388	1,394	1,394	1,557	48,000	5,500		24,267	30,067	500	40	147
TRUCK DRIVER	1	2	200	200	203	203	230	6,000	85		9,371	9,456	40	20	20
TRUCK DRIVER	1	1	19	19	20	20	23	6,000	100		993	1,093	100	47	47
WELDER/MACHINIST	1	1	149	149	156	156	187	6,000	15		5,016	5,151	15	12	38
N E C OR UNKNOWN											340,200	340,200	341	45	174
TOTAL OR AVERAGE	35	106	1,508	1,508	1,595	1,595	1,926	234,000	8,103	6,000	340,200	340,200	341	45	25
SURFACE AT UNDERGROUND															
BETWEEN ROOM OR			16	16	16	16	21		100		1,016	1,016	100	10	10
BUILDING MACH. EQUIP			16	16	16	16	21				1,016	1,016			
CLEANING			16	16	16	16	21				1,016	1,016			
DRAGGING MACH. OR			16	16	16	16	21				1,016	1,016			
DRIVE SHAFTS			16	16	16	16	21				1,016	1,016			
DRILL OPERATOR			16	16	16	16	21				1,016	1,016			
ELECTRICIAN			16	16	16	16	21				1,016	1,016			
FRONT END LOADER			16	16	16	16	21				1,016	1,016			
HULL DUMP			16	16	16	16	21				1,016	1,016			
HOLIST-CASE SKIP			16	16	16	16	21				1,016	1,016			
LABORER			16	16	16	16	21				1,016	1,016			
LOADING MACH. OR			16	16	16	16	21				1,016	1,016			
MECHANICAL MAINTENANCE			16	16	16	16	21				1,016	1,016			
MINING MACH. OR			16	16	16	16	21				1,016	1,016			
POWER MACH. BLASTER			16	16	16	16	21				1,016	1,016			
RAIL HANDS AND HULL			16	16	16	16	21				1,016	1,016			
ROCK ROAD HOILER			16	16	16	16	21				1,016	1,016			
SUPERVISOR/FOREMAN			16	16	16	16	21				1,016	1,016			
TRUCK DRIVER			16	16	16	16	21				1,016	1,016			
WELDER/MACHINIST			16	16	16	16	21				1,016	1,016			
N E C OR UNKNOWN											1,016	1,016			
TOTAL OR AVERAGE			16	16	16	16	21		100		1,016	1,016	100	10	10

TABLE 17. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY GRADE, LOCATION AND OCCUPATION AT TIME OF INJURY
AT ALL COAL OPERATIONS IN THE UNITED STATES, 1987 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURED					TOTAL INJURED	FATAL	LOST WORKDAYS			AVERAGE SEVERITY			
	FATAL	NON-FATAL			FATAL			LMPD PARTIAL	LMPD HOUR	TOTAL FATAL AND NON-FATAL				
		PERMANENT	TEMPORARY								PERMANENT	TEMPORARY		
			TOTAL	PARTIAL								TOTAL	PARTIAL	
TOTAL OR AVERAGE, U.S.	2	522	24	536	537	12,000	7,400	26,256	35,656	47,656	1,233	54	50	
REINFORCING ROOM OPER.		15		15	15			919	34	1,019	100	61	54	
BUILDING PORTABLE EQUIP.		3		3	3			34		34		11	11	
CAP DUMP/CRIZZLY SCREEN		198		198	228			8,181		8,181		44	44	
CLEANUP/VENTILATION		15		15	24			1,246		1,246		66	66	
DRAW/FRAME SHOVE OPER.		3		3	3			269		269		30	30	
DRAW/FRAME SHOVE OPER.		40		40	56			1,334		1,334		36	36	
DRAW/FRAME SHOVE OPER.		411		411	503	24,000	775	13,406	20,261	44,261	111	21	102	
ELECTRICIAN		20		20	25	18,000	4,056	1,274	50	1,324	506	64	63	
FRONT END LOADER		985		985	1,148			47,299	51,340	69,340		49	49	
HAUL TRUCK		5		5	7			464	464	464		42	42	
HOLST CASE OPER.		1		1	2	24,000	8,408	12,115	80,543	124,543	291	30	62	
LABORER		1		1	45	6,000		2,165	2,165	8,165		34	34	
LOADING MACH. OPER.		1		1	187	36,000	3,500	43,897	46,897	82,897	254	30	82	
MACHINIC MACH. OPER.		1		1	1	6,000		384	384	686		26	26	
MACHINIC MACH. OPER.		1		1	37	6,000		866	866	6,866		41	41	
MACHINIC MACH. OPER.		2		2	262		250	9,767	10,017	125	125	48	48	
MACHINIC MACH. OPER.		1		1	675	36,000	4,365	56,846	61,211	97,211		44	44	
MACHINIC MACH. OPER.		1		1	300	48,000	5,500	24,980	30,780	584		28	28	
MACHINIC MACH. OPER.		1		1	34	6,000		613	613	15,193	42	45	45	
MACHINIC MACH. OPER.		1		1	21	6,000		9,108	9,108	1,893	50	56	56	
MACHINIC MACH. OPER.		1		1	41	6,000		1,843	1,843	1,849	75	33	33	
MACHINIC MACH. OPER.		1		1	51	6,000		2,194	2,194	8,349		36	36	
MACHINIC MACH. OPER.		1		1	229	12,000	1,75	5,417	5,892	17,892	98	194	100	
MACHINIC MACH. OPER.		1		1	10,593	24,000	37,228	374,594	417,912	675,912	321	45	75	
TOTAL OR AVERAGE	43	116	8,256	8,456	8,519	2,074	24,000	6,000	374,594	417,912	675,912	321	45	75
SURFACE MINE		3		3	6	6,000		107	107	107		36	36	
STRIP		2		2	3	6,000		2,615	2,615	13,790	58	25	62	
BELT MAN ROOM OPER.		62		62	96			69	69	69		34	34	
BUILDING PORTABLE EQUIP.		1		1	1			2,495	2,495	8,495		30	30	
CLEANUP/VENTILATION		1		1	1			1	1	1		1	1	
DRAW/FRAME SHOVE OPER.		66		66	94			2,437	2,437	2,437		36	36	
DRAW/FRAME SHOVE OPER.		27		27	26			1,166	1,166	1,166		37	37	
DRAW/FRAME SHOVE OPER.		93		94	116			3,602	3,602	3,602		38	38	
DRAW/FRAME SHOVE OPER.		1		1	1	6,000		4,491	4,491	10,491		54	54	
DRAW/FRAME SHOVE OPER.		1		1	186			1	1	1		1	1	
DRAW/FRAME SHOVE OPER.		1		1	657	6,000	550	11,504	18,054	18,054	79	29	45	
DRAW/FRAME SHOVE OPER.		1		1	38	6,000		205	205	205	19	34	44	
DRAW/FRAME SHOVE OPER.		1		1	10			894	894	994	100	33	43	
DRAW/FRAME SHOVE OPER.		1		1	5			91	91	91		18	28	
DRAW/FRAME SHOVE OPER.		1		1	48			54	54	54		18	28	
DRAW/FRAME SHOVE OPER.		1		1	26			1,579	1,579	1,579	50	18	28	
DRAW/FRAME SHOVE OPER.		1		1	38			492	492	492		42	42	
DRAW/FRAME SHOVE OPER.		1		1	20			2,201	2,201	2,201	150	41	51	
DRAW/FRAME SHOVE OPER.		1		1	161			2,279	2,279	2,279	150	41	51	
DRAW/FRAME SHOVE OPER.		1		1	102			953	953	953		22	32	
DRAW/FRAME SHOVE OPER.		1		1	26			48,202	48,202	94,802	219	37	47	
TOTAL OR AVERAGE	7	21	1,404	1,425	1,432	675	42,000	4,600	48,202	52,802	94,802	219	34	66

TABLE 17. NUMBER OF INJURIES, LOSI HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ALL COAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOSI HOURS						AVERAGE SEVERITY			
	TOTAL			NON-FATAL			TOTAL			NON-FATAL			TOTAL		NON-FATAL	
	FATAL	PERSON IN		TOTAL	FATAL	AND NON-FATAL	TOTAL	FATAL	AND NON-FATAL	TOTAL	FATAL	AND NON-FATAL	TOTAL	FATAL	AND NON-FATAL	TOTAL
		PERMANENT	PARTIAL													
AFTER BUILT-IN/REPAIR EQUIP DRILL OPERATOR FRONT END LOADER LADDER MECHANIC MAINTENANCE MINING MACH. OPER PREP PLANT OPER SUPERVISOR/FOREMAN WELDER/MACHINIST N.E.C. OR UNKNOWN																
TOTAL OR AVERAGE																
EQUIP MAINT BETWEEN ROOM OPER DRILL/DRIVE/SHOFT OPER FRONT END LOADER LADDER MECHANIC MAINTENANCE PREP PLANT OPER SUPERVISOR/FOREMAN TICKET PHOTO CENTERMAN TICKET DRIVER WELDER/MACHINIST N.E.C. OR UNKNOWN																
TOTAL OR AVERAGE																
DREDGE DREDGE GRABER/GRAB FRONT END LOADER PREP PLANT OPER SUPERVISOR/FOREMAN																
TOTAL OR AVERAGE																

TABLE 17 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY							
	FATAL	NON-FATAL			TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	NON-FATAL	FATAL	PERMANENT		TOTAL FATAL AND NON-FATAL	TEMPORARY						
		TOTAL	PARTIAL	TOTAL					TOTAL	PARTIAL								
TOTAL OR AVERAGE SEVERITY																		
BETTERMENT ORP	1	1	3	1	4	3	68	7	6,000	175	121	30						
BULLDOZER/MOBILE EQUIP		219		220	223	291					13,795	58						
CAMP/VENTILATION	1	63	1	64	65	97	32	6,000	50		8,496	50						
CRACKING SHOT/DR		1	1	1	1	1	1				1	1						
DRILL OPERATOR		68	2	70	68	95	27		175		2,437	88						
ELECTRICIAN		27	1	28	29	55	26		50		1,166	37						
FRONT END LOADER		96	1	97	97	121	24				3,867	40						
HOLE DUNE		1		1	1	1					54	54						
IRONING	1	139	3	142	143	210	67	6,000	4,600		15,218	33						
LOADING MACH ORP		1		1	1	1					1	1						
MACHINING/MINING	1	400	7	407	408	666	298	6,000	550		18,316	79						
MINEWORKER ORP		19	1	20	20	27	7		50		707	50						
PUMP/PLANT BLASTER	1	37	1	38	39	48	9	6,000	50		7,287	50						
PREP PLANT ORP		23	1	24	24	35	11		100		1,375	100						
RAIL TRANS AND HALL		5		5	5	10	5				91	54						
ROCK HOOT/ROLLER		1		1	1	1			100		1,797	50						
SUPERVISOR/FOREMAN		40	2	42	42	84	42				1,797	42						
TRUCK/PROP/CLERICAL		12		12	12	21	9		3,300		492	41						
TRUCK DRIVER	2	162	2	164	166	195	29	12,000			22,560	45						
WATER/MACHINIST		104		104	104	177	73				2,287	34						
N.F.C. OR UNKNOWN		28		28	28	37	9				964							
TOTAL OR AVERAGE	7	1,452	24	1,476	1,483	2,184	701	42,000	9,200		101,150	383						
BETTERMENT ORP		526	6	532	534	644	110	12,000	7,400		47,777	1,233						
BULLDOZER/MOBILE EQUIP		234	4	238	239	308	69	6,000	275		8,814	69						
CAMP/VENTILATION		3		3	3	4	1				34	11						
CRACKING SHOT/DR		190	1	191	190	231	41	6,000	50		8,250	43						
DRILL OPERATOR		82	1	83	84	121	37				9,752	45						
FRONT END LOADER		108	4	112	108	145	37				270	68						
ELECTRICIAN		438	9	447	451	518	167	24,000	950		3,871	36						
HOLE DUNE		116	2	118	118	146	28				45,427	47						
IRONING		466	8	474	477	731	173	18,000	4,050		5,191	44						
LOADING MACH ORP		5		5	5	7	2				69,396	49						
MACHINING/MINING		1,859	32	1,891	1,896	2,200	424	30,000	13,078		464	41						
MINEWORKER ORP		41	1	42	42	46	4				119,761	53						
PUMP/PLANT BLASTER		1,302	13	1,315	1,317	1,853	521	30,000	3,050		8,166	53						
PREP PLANT ORP		30	1	31	30	112	10	6,000	3,100		127	36						
RAIL TRANS AND HALL		32	1	33	34	64	6				238	40						
ROCK HOOT/ROLLER		208	2	210	210	272	67	6,000	50		7,671	31						
SUPERVISOR/FOREMAN		345	1	346	347	395	34	36,000	250		8,241	49						
TRUCK/PROP/CLERICAL		610	12	622	630	972	302	48,000	5,900		10,108	47						
TRUCK DRIVER		34		34	34	55	27				97,265	44						
WATER/MACHINIST		201	3	204	204	231	31	6,000	85		80,577	44						
N.F.C. OR UNKNOWN		144	2	146	147	228	81	12,000	3,350		15,193	45						
TOTAL OR AVERAGE	50	9,811	140	9,951	10,002	12,777	2,775	300,000	46,478		771,062	43						

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, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI		
		PERMANENT		TOTAL				PERMANENT		TOTAL					TEMPORARY	TOTAL NFI
		TOTAL	PARTIAL					TOTAL	PARTIAL							
INDEPENDENT SHOPS:																
BELTMAN/ROOM OPR					1	1								8		
BULLDOZER/MOBILE EQUIP					2	2								36		
DRAG/CRANE /SHOVEL OPR					1	1								75		
DRILL OPERATOR					3	3								5		
ELECTRICIAN					7	7										
FRONT END LOADER					21	22								44		
LABORER					2	2								72		
MECHANIC/MAINTENANCE	1	1			23	8	6,000		50			50		329		
PREP PLANT OPR					4	4								4		
SUPERVISOR/FOREMAN					2	2								43		
TRUCK DRIVER					2	2								214		
WELDER/MACHINIST					11	11								15		
N E C OR UNKNOWN					1	1								33		
TOTAL OR AVERAGE	1		1	56	57	48	6,000		50	2,789	8,839	50	51	155		
PROCESSING PLANTS:																
BELTMAN/ROOM OPR					8	8								307		
BULLDOZER/MOBILE EQUIP					41	41								38		
CLEANUP/VENTILATION					6	6								78		
DRAG/CRANE /SHOVEL OPR	1				31	32	6,000							228		
DRIDGE/RANGE/BOAT					7	7										
DRILL OPERATOR					1	1										
ELECTRICIAN					40	42								132		
FRONT END LOADER					30	30								60		
LABORER					107	109								132		
LOADING MACH OPR					1	1								33		
MECHANIC/MAINTENANCE					174	177								28		
MINING MACH OPR					1	1								38		
PREP PLANT OPR					165	166								78		
RAIL TRANSP AND HAUL					39	41								42		
SUPERVISOR/FOREMAN					31	33								132		
TECH /PROF /CLERICAL					20	20								60		
TRUCK DRIVER					34	35								33		
WELDER/MACHINIST	1				55	57	6,000		100					42		
N E C OR UNKNOWN					12	12	6,000							28		
TOTAL OR AVERAGE	3		17	803	820	279	18,000		4,679	29,530	52,209	275	37	63		

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, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI				TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		PERMANENT		TEMPORARY	TOTAL											
		TOTAL	PARTIAL		TOTAL					PARTIAL						
TOTAL OR AVERAGE	54	158	10,669	10,828	10,882	3,102	13,984	324,000	6,000	51,157	456,953	514,110	836,110	324	43	77
ALL MINES AND PLANTS	2	9	534	543	545	115	660	12,000		10,550	28,599	39,149	51,149	1,172	54	94
BEHINDROOM OPR	1	4	276	280	281	80	361	6,000		275	10,111	10,385	16,386	69	37	58
BULLDOZER/MOBILE EQUIP			3	3	3	1	4				34	34	8,716		11	11
CAR DUMP/GRZLY/SCREEN			196	196	196	42	238				8,716	8,716	8,716		44	44
CLEANUP/VENTILATION	2	1	115	115	115	5	16	12,000		50	5,084	5,134	17,134	50	44	145
DRAG/CHINE/SHORT OPR			11	11	11	38	148				690	690	690		63	63
DREDGE/RACE/BOAT			110	110	110	5	16				4,078	4,078	4,078		44	44
DRILL OPERATOR	4	11	481	492	496	189	685	24,000		1,050	21,828	22,878	46,878	95	45	95
ELECTRICIAN		2	146	148	148	35	183			100	6,380	6,480	6,480		44	44
FRONT END LOADER	3	8	966	974	977	173	1,150	18,000		4,050	47,346	51,396	69,396	506	49	71
HAUL DUMP			5	5	5	2	7				464	464	69,396		44	44
HOLS/DOCK/SKIP	5	34	1,973	2,007	2,012	466	2,478	30,000		13,598	80,090	93,688	123,688	400	93	93
LABORER	1		42	42	43	4	47	6,000			2,167	2,167	8,167		41	61
LOADING MACH OPR	6	1	1,497	1,526	1,532	602	2,134	36,000	6,000	3,459	55,648	65,107	101,107	124	52	190
MECHANIC/MAINTENANCE			13	13	13	192	1,113	36,000		3,100	44,472	47,572	83,572	238	37	66
MINE MACH OPR	1	2	52	53	54	10	64	6,000		50	1,621	1,671	7,671	50	31	91
POMPOMAN/BLASTER	1	2	211	213	214	74	288	6,000		200	8,613	8,813	14,813	100	41	142
PREP PLANT OPR	1	4	247	251	251	66	317			350	11,396	11,746	17,746	88	46	69
RAIL TRANS AND HAUL	6	16	1,361	1,367	1,367	309	1,676	36,000		4,365	56,900	61,265	97,265	273	42	71
ROCK/DOCK/ROLLER	8	14	645	659	667	366	1,033	48,000		6,100	27,836	33,936	81,936	436	43	123
SUPERVISOR/FORMAN			54	54	54	28	82				1,618	1,618	1,618		30	30
TECH/PROF/CERICAL	1	2	201	203	204	27	231	6,000		85	9,108	9,193	15,193	42	45	74
TIME/TRAN/JACKSETTER	3	3	231	234	237	41	278	18,000		3,350	10,645	13,995	31,995	1,117	46	135
TRUCK DRIVER	2	4	210	214	216	131	347	12,000		250	6,565	6,815	18,815	62	31	87
WELDER/MACHINIST	2	2	216	218	220	66	286	12,000		175	6,944	7,119	19,119	88	32	87
N E C OR UNKNOWN																
TOTAL OR AVERAGE	54	1	158	10,669	10,828	3,102	13,984	324,000	6,000	51,157	456,953	514,110	836,110	324	43	77
OFFICE			4	4	4		4				181	181	181		45	45
ELECTRICIAN			1	1	1		1				76	76	76		76	76
HAUL DUMP			3	3	3	2	5				30	30	30		10	10
LABORER			3	3	3		3				57	57	57		19	19
MECHANIC/MAINTENANCE			1	1	1		1				1	1	1		1	1
PREP PLANT OPR			5	5	5	4	9				175	175	175		35	35
SUPERVISOR/FORMAN			8	8	8	2	10				1,172	1,172	1,172		146	146
TECH/PROF/CERICAL			1	1	1		1				5	5	5		5	5
WELDER/MACHINIST			3	3	3	3	6				99	99	99		33	33
N E C OR UNKNOWN																
TOTAL OR AVERAGE			29	29	29	11	40				1,796	1,796	1,796		62	62

TABLE 17 NUMBER OF INJURIES, LOSI WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	PERMANENT		FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		TOTAL	FATAL	NFI				TOTAL	PARTIAL				
GRAND TOTAL OR AVERAGE	54	156	10,857	10,911	3,113	14,024	324,000	51,157	498,749	515,906	839,906	324	43
BELTMAN/ROOM OPR	2	9	534	543	115	660	12,000	10,550	28,599	39,149	51,149	1,172	54
BULB DOOR/MOBILE EQUIP	1	4	276	290	80	361	6,000	275	10,111	10,386	16,386	69	37
CAR DUMP/GRIZZLY SCREEN			3	3	1	4			34	34	34		11
CLEANUP/VENTILATION	2	1	196	196	42	238	12,000	50	8,716	8,716	8,716	50	44
DRAG/CRANE SHOVEL OPR			11	11	5	16			5,084	5,134	17,134		44
DREDGE/GARAGE ROOM			110	110	38	148			690	690	17,690		63
DRILL OPERATOR	4	11	485	496	189	689	24,000	1,090	4,078	4,078	4,078		37
ELECTRICIAN			146	146	35	183		1,090	22,009	23,009	47,009	95	45
FRONT END LOADER	3	8	967	975	173	1,151	18,000	4,050	6,380	6,480	6,480	50	44
HAUL DUMP			5	5	2	7			47,472	51,472	69,472	506	49
HOIST/CRANE/SKIP	3	34	1,976	2,010	468	2,483	30,000	13,598	80,130	93,718	123,718	400	93
LABORER	1		42	42	4	47	6,000		2,167	2,167	8,167	41	52
LOADING MACH OPR	1	26	1,500	1,529	602	2,137	36,000	3,449	55,425	55,425	101,425	124	37
MECHANIC MAINTENANCE	6	13	902	915	192	1,113	36,000	3,100	44,472	47,572	83,572	238	49
MINING MACH OPR	1	1	52	53	10	64	6,000	50	1,671	1,671	8,671	50	31
POWERMAN/BLASTER	1	2	212	214	74	289	6,000	200	8,614	8,814	14,814	100	41
PREP PLAN OPR	1	4	247	251	66	317		350	11,396	11,746	11,746	88	46
RAIL TRANS AND HAUL	6	16	1,345	1,361	309	1,676	36,000	4,305	56,900	61,205	97,205	273	42
ROCK/ROOT BOILER	8	14	650	664	370	1,042	48,000	6,100	28,011	34,111	82,111	436	71
SUPERVISOR/FOREMAN			62	62	30	92			2,750	2,750	2,750		43
TECH/PROF/CLERICAL	1	2	201	203	27	331	6,000	85	9,108	9,193	15,193	42	45
TIME MAN/JACKSETTER	3	3	231	234	41	276	18,000	3,350	10,345	13,695	31,695	117	46
TRUCK DRIVER	2	4	211	215	131	348	12,000	290	6,570	6,860	18,860	62	31
WELDER/MACHINIST	2	2	219	221	69	292	12,000	175	7,043	7,218	19,218	88	32
N E C OR UNKNOWN													
TOTAL OR AVERAGE	54	156	10,857	10,911	3,113	14,024	324,000	51,157	498,749	515,906	839,906	324	43

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, 1991

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDI				TOTAL FATAL AND NFDI	TOTAL INJURIES	NFI	FATAL	PERMANENT		TOTAL NFDI	TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI
		TOTAL		PARTIAL												
		TOTAL	PARTIAL													
UNDERGROUND MINES: UNDERGROUND LABORER SUPERVISOR/FOREMAN TOTAL OR AVERAGE		4 3 7	4 3 7	4 3 7	6 3 9	2 2 2	4 3 7				291 93 384	291 93 384		73 31 55	73 31 55	
TOTAL OR AVERAGE, UG LABORER SUPERVISOR/FOREMAN TOTAL OR AVERAGE		4 3 7	4 3 7	4 3 7	6 3 9	2 2 2	4 3 7				291 93 384	291 93 384		73 31 55	73 31 55	
SURFACE MINES: STRIP BULLDOZER/MOBILE EQUIP DRAG/CRAVE/SHOVEL OPR DRILL OPERATOR ELECTRICIAN FRONT END LOADER LABORER MECHANIC/MAINTENANCE RAIL TRANSP AND HAUL SUPERVISOR/FOREMAN TECH/PROF/CLERICAL TRUCK DRIVER WELDER/MACHINIST N.E.C. OR UNKNOWN TOTAL OR AVERAGE		1 5 9 1 1 13 4 4 9 6 2 61	6 5 9 4 1 13 4 4 6 6 2 62	6 5 9 4 1 13 4 4 6 6 2 62	8 7 9 1 4 2 8 4 2 10 6 2 7/9	2 2 1 1 2 1 1 1 1 1 17	50 209 206 321 18 263 85 376 2 60 72 614 150 23 2,399 50	259 206 321 18 263 85 376 2 60 72 614 150 23 2,449	50		291 93 384	291 93 384	50	42 41 36 18 66 85 29 2 15 72 68 25 12 39	43 41 36 18 66 85 29 2 15 72 68 25 12 40	
CLIM BANK DRAG/CRAVE/SHOVEL OPR FRONT END LOADER LABORER MECHANIC/MAINTENANCE PRTP PLANT OPR SUPERVISOR/FOREMAN TECH/PROF/CLERICAL TRUCK DRIVER WELDER/MACHINIST N.E.C. OR UNKNOWN TOTAL OR AVERAGE		1 1 2 1 1 1 1 1 1 1 11	1 1 3 2 1 1 1 1 1 1 12	1 1 3 2 1 1 1 1 1 1 12	1 2 3 2 3 1 1 2 1 1 17	1 1 2 2 1 1 1 1 1 1 5	4,500	1 208 4,534 6 6 21 11 2 6 295 4,795	1 208 4,534 6 6 21 11 2 6 295	4,500	291 93 384	291 93 384	4,500	1 208 1,511 3 6 21 11 2 6 27	1 208 1,511 3 6 21 11 2 6 400	

TABLE 17A - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	TOTAL INJURIES	NFI	TOTAL FATAL AND NFI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI
		PERMANENT	TEMPO- RARY	TOTAL NFI									
TOTAL	PARTIAL				TOTAL	PARTIAL							
TOTAL OR AVERAGE SURFACE BUILDING/MOBILE EQUIP DRAG/CRANE /SHEVEL OPR DRILL OPERATOR ELECTRICIAN FRONT END LOADER LABORER MECHANIC/MAINTENANCE PREP PLANT OPR RAIL TRANS AND HAUL SUPERVISOR/FOREMAN TECH /PROD /CLERICAL TRUCK DRIVER WELDER/MACHINIST N E C OR UNKNOWN TOTAL OR AVERAGE		1	5	6	6	2	8	50	209	259	50	42	43
			9	9	9	2	9		321	207		34	34
			1	1	1	1	1		18	18		36	36
			3	3	3	4	5		471	471		94	94
	1		5	5	5	1	5		119	4 619	4 500	40	1 155
			15	15	15	15	23		382	382		25	25
			1	1	1	1	3		6	6		6	6
			1	1	1	1	3		2	2		2	2
			5	5	5	5	3		81	81		16	16
			1	1	1	1	3		72	72		72	62
			10	10	10	10	11		625	625		22	62
			7	7	7	7	8		152	152		10	10
			3	3	3	3	3		29	29		10	10
		2	72	74	74	74	96		2 694	7 244	2 275	37	98
TOTAL OR AVERAGE MINING BUILDING/MOBILE EQUIP DRAG/CRANE /SHEVEL OPR DRILL OPERATOR ELECTRICIAN FRONT END LOADER LABORER MECHANIC/MAINTENANCE PREP PLANT OPR RAIL TRANS AND HAUL SUPERVISOR/FOREMAN TECH /PROD /CLERICAL TRUCK DRIVER WELDER/MACHINIST N E C OR UNKNOWN TOTAL OR AVERAGE		1	5	6	6	2	8	50	209	259	50	42	43
			9	9	9	9	9		321	207		34	34
			1	1	1	1	1		18	18		36	36
			3	3	3	3	6		471	471		94	94
	1		5	5	5	5	11		410	4 910	4 500	25	514
			15	15	15	15	23		382	382		25	25
			1	1	1	1	3		6	6		6	6
			1	1	1	1	3		2	2		2	2
			1	1	1	1	3		174	174		22	22
			8	8	8	8	8		72	72		72	62
			1	1	1	1	3		625	625		62	62
			10	10	10	10	11		152	152		22	22
			3	3	3	3	3		29	29		10	10
		2	79	81	81	81	105		3 078	7 628	2 275	39	94
TOTAL OR AVERAGE INDEPENDENT SHOPS DRILL OPERATOR MECHANIC/MAINTENANCE SUPERVISOR/FOREMAN WELDER/MACHINIST TOTAL OR AVERAGE			1	1	1	1	1		75	75		75	75
			2	2	2	2	2		394	394		197	197
			1	1	1	1	1		97	97		97	97
			1	1	1	1	2		5	5		5	5
		5	5	5	5	5	6		571	571		114	114

TABLE 17A NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ANTHRAHITE COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY								
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	NFI	FATAL	NFI			PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI					
		PERMANEN I	TEMPO RARY	TOTAL NFI					PERMANEN I	TEMPO RARY	TOTAL NFI								
															TOTAL	PARTIAL	TOTAL	PARTIAL	TOTAL
PROCESSING PLANTS																			
BULLDOZER/MOBILE EQUIP		3		3	3	3									13	4			
ELECTRICIAN		2		2	2	2									61	30			
FRONT END LOADER		5		5	5	5									450	90			
LABORER		17		17	17	17									345	20			
MECHANIC/MAINTENANCE		15		15	15	15									777	52			
PREP PLANT OPR		13		13	13	13									424	33			
RAIL TRANS AND HAUL																			
SUPERVISOR/FOREMAN		1		1	1	1									150	150			
TECH/PROD/CLERICAL		4		4	4	4									26	5			
TRUCK DRIVER		3		3	3	3									92	31			
WELDER/MACHINIST		7		7	7	7									206	29			
N E C OR UNKNOWN		3		3	3	3									11	4			
TOTAL OR AVERAGE		72		73	73	97	24								2,549	35			
ALL MINS AND PLANTS																			
BULLDOZER/MOBILE EQUIP		8		8	8	8									272	30			
DRAG/CRANE/SHOVEL OPR		6		6	6	6									207	34			
DRILL OPERATOR		10		10	10	10									386	40			
ELECTRICIAN		3		3	3	3									79	26			
FRONT END LOADER		10		10	10	10									921	92			
LABORER		24		24	24	24									4,500	31			
MECHANIC/MAINTENANCE		32		32	32	32									5,255	210			
PREP PLANT OPR		14		14	14	14									1,553	49			
RAIL TRANS AND HAUL		1		1	1	1									430	31			
SUPERVISOR/FOREMAN		9		9	9	9									2	2			
TECH/PROD/CLERICAL		13		13	13	13									421	42			
TRUCK DRIVER		15		15	15	15									92	18			
WELDER/MACHINIST		6		6	6	6									717	55			
N E C OR UNKNOWN		3		3	3	3									363	24			
TOTAL OR AVERAGE		156		159	159	208	49								40	7			
GRAND TOTAL OR AVERAGE															10,748	68			
BULLDOZER/MOBILE EQUIP		8		8	8	8									272	30			
DRAG/CRANE/SHOVEL OPR		6		6	6	6									207	34			
DRILL OPERATOR		10		10	10	10									386	40			
ELECTRICIAN		3		3	3	3									79	26			
FRONT END LOADER		10		10	10	10									921	92			
LABORER		24		24	24	24									4,500	31			
MECHANIC/MAINTENANCE		32		32	32	32									5,255	210			
PREP PLANT OPR		14		14	14	14									1,553	49			
RAIL TRANS AND HAUL		1		1	1	1									430	31			
SUPERVISOR/FOREMAN		9		9	9	9									2	2			
TECH/PROD/CLERICAL		13		13	13	13									421	42			
TRUCK DRIVER		15		15	15	15									92	18			
WELDER/MACHINIST		6		6	6	6									717	55			
N E C OR UNKNOWN		3		3	3	3									363	24			
TOTAL OR AVERAGE		156		159	159	208	49								40	7			
GRAND TOTAL OR AVERAGE															10,748	68			

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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, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					TOTAL INJURIES	LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI		FATAL	NFI			TOTAL FATAL AND NFI	LMD NEW PARTIAL	LMD RISK	TOTAL FATAL AND NFI
		PERMANENT	NFI					PERMANENT	NFI					
			TOTAL	PARTIAL					TOTAL	PARTIAL				
TOTAL OR AVERAGE	2	6	522	16	538	12 000	7 400	28 756	35 656	47 656	1 333	45	52	
BELT MAN ROOM OPR		1	15	3	18		100	515	1 019	1 019	100		34	
BULLDOZER/MOBILE EQUIP			182	188	370			8 181	8 181	8 181			41	
CAR DUMP CRUSH/SCREEN			19	3	22			1 256	1 256	1 256			66	
CLEANING/VENTILATION			40	3	43			269	269	269			90	
DRAG-CHAIN SHOVEL OPR	4		40	3	43	24 000		1 434	1 434	1 434			36	
DRILL OPERATOR		7	411	412	823		175	19 496	20 261	44 261	111		104	
ELECTRICIAN		1	20	21	21	18 000		1 274	1 324	1 324	50		47	
FRONT END LOADER		8	965	973	973		4 050	47 292	51 342	65 342	506		40	
HAUL DUMP	3		5	5	10			354	354	354			33	
HOIST/CAGE/SHIP			1 745	1 745	3 490			71 824	86 252	104 252	291		47	
LABORER	4	29	40	40	69	6 000		260	260	260			19	
LOADING MACH OPR			905	922	939	6 000		3 365	3 365	3 365			49	
MACHINE MAINTENANCE		17	902	924	906	24 000	6 000	5 800	11 800	18 600	127		135	
MINING MACH OPR	6		15	15	30	36 000		43 819	48 869	82 869	254		36	
POWERMAN BLASTER			21	21	42			384	384	384			36	
PREP PLANT OPR	1		203	203	406	6 000		9 767	10 077	19 077	175		312	
RAIL TRANS AND HAUL		16	1 344	1 360	1 504			36 856	37 211	74 067	273		49	
ROCK ROOF BOLTER	6	10	567	577	1 144	36 000		24 387	24 687	60 687	500		40	
SUPERVISOR FOREMAN	8		22	22	44	48 000		613	613	613			135	
TECH PROOF ELECTRICAL		2	203	203	406	6 000		85	85	15 193	42		25	
TIMBERMAN/JACK SETTER	1		33	34	67			1 843	1 893	1 893	50		74	
TRUCK DRIVER			40	40	80	6 000		150	150	3 349	75		26	
TRUCK DRIVER	1		175	177	352	12 000		5 717	5 892	17 892	68		100	
WELDER/MACHINIST	2	2												
N F C OR UNKNOWN														
TOTAL OR AVERAGE	43	116	8 352	5 469	13 821	298 000	6 000	37 228	47 528	675 528	301	45	75	
SURFACE MINES														
SHIP														
BELT MAN ROOM OPR	1	2	3	3	6	6 000		107	107	107	62		36	
BULLDOZER/MOBILE EQUIP			214	215	429		125	7 406	7 531	13 531			62	
CLEANING/VENTILATION	1	1	57	58	115	6 000		2 235	2 235	2 235	50		34	
DRAG-CHAIN SHOVEL OPR			59	59	118			1	1	1			1	
DRILL OPERATOR			59	59	118			2 116	2 116	2 116			36	
ELECTRICIAN		2	26	26	52		175	3 395	3 395	3 395	50		47	
FRONT END LOADER		1	90	90	180			3 395	3 395	3 395	50		47	
HAUL DUMP			131	131	262	6 000		4 456	4 456	10 456	50		34	
LABORER	1		1	1	2									
LOADING MACH OPR			1	1	2									
MACHINE MAINTENANCE	1	2	389	390	779	6 000		11 128	11 618	17 618	15		42	
MINING MACH OPR			6	6	12			205	205	205			34	
POWERMAN BLASTER	1		37	38	75	6 000		834	834	834	100		19	
PREP PLANT OPR		1	19	19	38			85	85	85			36	
RAIL TRANS AND HAUL			4	4	8			54	54	54			36	
ROCK ROOF BOLTER			1	1	2			1 215	1 215	1 215	50		40	
SUPERVISOR FOREMAN		2	34	35	69			400	400	400			45	
TECH PROOF ELECTRICAL		2	11	11	22	12 000		2 206	2 206	2 206	650		140	
TRUCK DRIVER	2		150	151	301			930	930	930			36	
WELDER/MACHINIST			96	96	192								100	
N F C OR UNKNOWN														
TOTAL OR AVERAGE	7	26	1 343	1 353	2 696	42 000	4 500	45 803	50 353	92 353	228	34	61	

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, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY																																																																																																																																																																																																																																																																																																																																																																																																																																															
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		PERMANENT	TEMP PARTIAL	TOTAL NFI	TOTAL FATAL AND NFI					TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI					TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI																																																																																																																																																																																																																																																																																																																																																																																																																																				
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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, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDI				TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	PERMANENT		TEMPORARY	TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI
		TOTAL		TOTAL NFDI												
		TOTAL	PARTIAL													
					TOTAL					PARTIAL						
TOTAL OR AVERAGE SURFACE																
BELTMAN ROOM OPR	1	2	4	214	4	4	3	7	263	6,000	125	121	13,536	62	30	60
BULDOZER/MOBILE EQUIP							66					7,411	169		34	34
CLEANING VENTILATION	1	1	2	57	58	217	1	3	263	6,000	50	1	8,269	50	140	140
DRAG CRANE/SHOVEL OPR							30		89			1	1			
DRIVE SHAFT/ROD							26		86			2,116	3,396	88	36	36
DRILL OPERATOR							23		115			3,346	54	50	37	37
ELECTRICIAN							1		1			4,404	10,599	50	76	76
FRONT END LOADER	1	2	136	138	139	139	66	205	1	6,000	100	11,934	17,934	74	46	46
LABORER							353	643	1	6,000	500	11,934	7,002	74	35	35
LOADING MACH OPR	1	2	385	390	393	393	29	323	7	6,000	50	1,297	7,297	50	187	187
MACHINIC MAINTENANCE							30	48	1	6,000	100	1,869	1,869	100	60	60
MINE MACH OPR	1	1	71	73	74	74	3	77	1	6,000	100	1,869	1,869	100	60	60
POWERMAN BLASTER							4	7	1			89	89		22	22
PROP PLANT OPR							1	1	1			54	54		54	54
RAIL TRAM AND HAUL							37	79	1		100	1,716	1,716	50	46	46
ROCK ROOF BOLTER							18	184	1			400	400	1,650	38	38
SUPERVISOR FORMER	2	2	152	156	158	158	28	184	169	12,000	3,300	9,626	21,926		141	141
TECH PROOF OPERATOR							13	34	1			2,135	2,135		72	72
TRUCK DRIVER							9	169	34			935	935		67	67
WELDER MAINTENANCE							679	2,098		42,000	4,650	51,306	93,306	211	67	67
N F C OR UNKNOWN																
TOTAL OR AVERAGE	7	22	1,402	1,402	1,402	1,402	679	2,098		42,000	4,650	47,256	93,306	211	34	57
TOTAL OR AVERAGE MINING																
BELTMAN ROOM OPR	2	5	5	206	213	218	15	644	300	12,000	2,300	28,377	47,777	733	89	89
BULDOZER/MOBILE EQUIP	1	3	3	210	213	216	66	283	1	6,000	205	8,553	14,553	75	33	33
CAN DUMP/CRANES/SCREEN							41	231	1			8,250	9,250	50	43	43
CLEANING VENTILATION							45	113	5			3,545	3,545	50	68	68
DRAG CRANE/SHOVEL OPR	1	1	76	77	78	78	1	78	1	6,000		270	270		36	36
DRIVE SHAFT/ROD							37	136	1			3,550	3,550		47	47
DRILL OPERATOR							167	617	145			2,409	45,409	106	101	101
ELECTRICIAN							173	1,150	7			4,170	69,370	506	42	42
FRONT END LOADER							1	1				57,306	69,306		49	49
HAUL DUMP	4	9	9	437	446	455	36	482	16			84,464	114,464	275	63	63
HOIST/CRANE SKIP	3	8	8	966	974	982	73	1,049	7			69,396	89,396	506	43	43
LABORER							1	1				1	1			
LOADING MACH OPR							42	2,805	46			114,851	144,851	275	63	63
MACHINIC MAINTENANCE	1	24	24	47	49	51	1	53	1			2,166	2,166	131	184	184
MINE MACH OPR	1	1	317	318	319	319	213	1,830	1			3,831	85,631	208	53	53
POWERMAN BLASTER	1	1	90	91	92	92	117	1,112	164			1,611	1,611	100	31	31
PROP PLANT OPR							45	115	1			2,242	2,242		46	46
RAIL TRAM AND HAUL							209	269	1			10,106	10,106		46	46
ROCK ROOF BOLTER							305	1,676	1			8,250	8,250		46	46
SUPERVISOR FORMER							19	34	1			2,135	2,135		72	72
TECH PROOF OPERATOR							9	169	34			935	935		67	67
TRUCK DRIVER							679	2,098		42,000	4,650	46,650	49,650		67	67
WELDER MAINTENANCE																
N F C OR UNKNOWN																
TOTAL OR AVERAGE	50	138	9,871	9,871	9,871	9,871	2,751	12,672		300,000	47,815	421,536	763,434	303	43	75

TABLE 11B. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY SECTOR FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT BELEPHOUS COAL OPERATIONS IN THE UNITED STATES, 1993 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERM NFI PARTIAL	TOTAL FATAL AND NFI	AVERAGE SEVERITY	
		PERMANENT	NFI					TOTAL	PERMANENT	NFI					
			TEMPORARY	TOTAL						TEMPORARY					TOTAL
INDEPENDENT SHOPS BY INVA ROOM OPS BUILDING MOBILE EQUIP DRAG CRANE SHOOT OPS ELECTRICIAN FRONT END LOADER LABORER MECHANIC MAINTENANCE MILL PLAN OPS SUPERVISOR FOREMAN TRUCK DRIVER WELDER MAINTENANCE N F C OR UNKNOWN TOTAL OR AVERAGE	1	1	3	3	7	0	0	0	0	0	0	0	0	0	
PROCESSING PLANTS BY INVA ROOM OPS BUILDING MOBILE EQUIP CLEANING VENTILATION DRAG CRANE SHOOT OPS DRILL OPERATOR ELECTRICIAN FRONT END LOADER LABORER LOADING MACH OPS MECHANIC MAINTENANCE MILLING MACH OPS MILL PLAN OPS DRILL PLAN OPS SUPERVISOR FOREMAN TECH POOL OPERATOR TRUCK DRIVER WELDER MAINTENANCE N F C OR UNKNOWN TOTAL OR AVERAGE	1	3	5	5	13	0	0	0	0	0	0	0	0	0	

TABLE 17B. NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY		NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY		
		FATAL	NON-FATAL			TOTAL INJURIES	FATAL	NON-FATAL			TOTAL HOURS	PERMANENT PARTIAL	TEMPORARY BODY	TOTAL FATAL AND NON-FATAL		
			PERMANENT	TOTAL				PERMANENT	TOTAL							
				TOTAL	PARTIAL				TOTAL	PARTIAL						
GRAND TOTAL OF AVERAGE	2	9	543	272	815	12,000	10,550	28,585	35,149	51,140	1,112	24,321	25,433			
BELT/HAND/FOOT OR EQUIP	1	3	271	136	407	6,000	225	9,689	10,114	16,114	75	32,111	32,186			
CAR DUMP/CRAWLER/SORTER			3	3	6			34	34	8,716		44	44			
CRAWLER/MANIPULATOR			106	110	216	12,000	50	4,872	4,922	16,927	50	44	44			
DRAW/CRANE/SWING OR	2	1	11	11	22					3,520		44	44			
DRILL OPERATOR			100	100	200			3,600	3,600	3,600		44	44			
ELECTRICIAN	4	2	492	492	984	24,000	1,000	21,800	22,800	46,800	35	44	44			
FRONT END LOADER	3	8	138	138	276	18,000	4,000	47,472	51,472	60,464	206	44	44			
HAND DUMP			5	5	10			464	464	118,463		44	44			
HAND/CRANE/SWING			1,985	1,985	3,970	30,000	9,000	79,365	88,365	118,463	216	44	44			
HAZARDOUS WASTE OR	1	40	41	41	82	6,000		2,167	2,167	8,167		44	44			
HAZARDOUS WASTE/HAZARDOUS			1,492	1,492	2,984	36,000	3,450	34,550	37,999	96,811	104	44	44			
HAZARDOUS WASTE/HAZARDOUS	6	13	915	915	1,830	36,000	3,100	44,472	47,572	53,572	206	44	44			
HAZARDOUS WASTE/HAZARDOUS	1	1	54	54	108	6,000	50	1,631	1,681	7,681		44	44			
HAZARDOUS WASTE/HAZARDOUS	1	2	200	200	400	6,000	200	8,344	8,544	11,544	100	44	44			
HAZARDOUS WASTE/HAZARDOUS	6	16	246	246	492	36,000	3,350	36,350	39,700	43,700	40	44	44			
HAZARDOUS WASTE/HAZARDOUS	8	13	1,361	1,361	2,722	48,000	5,300	27,740	33,040	37,040	406	44	44			
HAZARDOUS WASTE/HAZARDOUS			57	57	114			2,638	2,638	2,638		44	44			
HAZARDOUS WASTE/HAZARDOUS	1	2	203	203	406	6,000	35	9,143	9,178	15,178	40	44	44			
HAZARDOUS WASTE/HAZARDOUS	3	3	271	271	542	12,000	3,350	9,308	12,658	15,658	117	44	44			
HAZARDOUS WASTE/HAZARDOUS	2	4	200	200	400	12,000	250	6,207	6,457	16,457	80	44	44			
HAZARDOUS WASTE/HAZARDOUS	2	2	213	213	426	12,000	175	7,003	7,178	19,178		44	44			
HAZARDOUS WASTE/HAZARDOUS			10,542	10,542	21,084	324,000	46,457	252,401	305,198	329,198	300	44	44			
HAZARDOUS WASTE/HAZARDOUS	54	125	10,542	10,542	21,084	324,000	46,457	252,401	305,198	329,198	300	44	44			
HAZARDOUS WASTE/HAZARDOUS																
HAZARDOUS WASTE/HAZARDOUS																
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HAZARDOUS WASTE/HAZARDOUS																
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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, 1991

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDI			TOTAL FATAL AND NFDI	NFI	FATAL	PERMANENT		TOTAL NFDI	TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI
		TOTAL	PARTIAL	TOTAL				PARTIAL						
4	1	90	91	95	13	108	24,000	350	3,284	3,634	27,634	350	36	291
		8	8	8	7	15			374	374	374		47	47
1		7	7	8	2	10	6,000		182	182	6,182		26	773
1		12	12	13	2	15	6,000		210	210	6,210		18	478
1	2	116	118	119	11	130	6,000	750	8,137	8,887	14,887	375	70	125
19	3	534	537	556	118	674	114,000	975	21,798	22,773	136,773	325	41	246
	51	2,739	2,751	2,791	601	3,392		6,510	128,708	141,109	141,309	128	18	18
1	5	492	497	498	370	868	6,000	625	15,552	16,177	22,177	125	32	51
	2	24	26	26	5	32		100	1,397	1,497	1,497	50	58	58
6	18	986	1,004	1,010	192	1,202	36,000	21,175	49,459	70,634	106,634	1,176	50	106
		1	1	1	1	2			4	4	4		4	4
2		13	13	15	2	17	12,000		1,438	1,438	13,438		111	895
1		1	1	2	2	2	6,000		29	29	6,029		29	3,014
2	20	1,218	1,298	1,300	322	1,622	12,000	3,788	49,564	53,352	65,352	189	39	50
	4	1,090	1,094	1,094	124	1,218		1,830	53,388	55,218	55,218	458	49	50
		180	180	180	21	201			6,655	6,655	6,655		37	37
		124	124	124	64	188			4,614	4,614	4,614		37	37
1		107	107	108	15	123	6,000		4,299	4,299	10,299		40	95
39	1	7,808	7,915	7,994	1,872	9,826	234,000	6,000	349,292	391,395	625,395	341	45	719
TOTAL OR AVERAGE														

TABLE 18. NUMBER OF INJURIES, LOSI & WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
 AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI	
	FATAL	PERSONNEL						TEMPO RARY	TOTAL NFDI	TOTAL FATAL AND NFDI					
		PERMANENT	PARTIAL												
SURFACE AT UNDERGROUND															
ELECTRICAL				14	14	14	2	16						34	34
EXPLOSION VESSEL				2	2	2	1	3						16	16
UNDER PRESSURE															
EXPLOSIVE AND BREAKING				1	1	2		2						140	3,070
AGENTS	1			3	3	3		3						72	72
FALLING, ROLLING, OR															
SLIDING MATERIAL															
FALL OF FACE, RIB, SIDE															
OR HIGHWALL	1			1	1	1		1							
FIRE				229	236	73		309						4	6,000
HANDLING MATERIAL			7	58	58	48		106						29	48
HAND TOOL				4	4	1		5						35	35
NONPOWERED HAULAGE			2	37	39	12		51						33	36
POWERED HAULAGE															
HOISTING															
IGNITION OR EXPLOSION															
OF GAS OR DUST				2	2	1		3						22	22
MACHINERY			1	35	36	24		60						31	38
SUP OR FALL OF															
PERSON				154	154	29		183						61	61
STEPPING OR MEETING				5	5	3		8						33	33
ON OBJECT				1	1	1		2						2	2
STRIKING OR BUMPING	1			5	5	5		11						9	1,008
OTHER INJURIES															
TOTAL OR AVERAGE	4		10	551	561	202		767						46	89

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, 1991 (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, UG	4		1	104	105	109	15	124	24,000		350	3,763	4,113	28,113	350	36	258
ELECTRICAL	-																
EXPLODING VESSEL	-			10	10	10	8	18				406	406	406		41	41
UNDER PRESSURE	-																
EXPLOSIVE AND BREAKING	2			8	8	10	2	12	12,000			322	322	12,322		40	1,232
AGENT	-																
FALLING, ROLLING, OR	1			15	15	16	2	18	6,000			425	425	6,425		28	402
SLIDING MATERIAL	-																
FALL OF FACE, RIB, SIDE	2		2	116	118	120	11	131	12,000		750	8,137	8,887	20,887	375	70	174
OR HIGHWALL	-																
FALL OF ROOF (UNDER	19		3	534	537	556	118	674	114,000		975	21,798	22,773	136,773	325	41	246
GROUND MINES ONLY)	-																
FIRE	1			7	7	8	1	9	6,000			113	113	6,113		16	764
HANDLING MATERIAL	-	1	58	2,968	3,027	3,027	674	3,701		6,000	7,160	139,578	152,738	152,738	123	47	50
HAND TOOL	1			550	555	556	418	974	6,000		625	17,223	17,848	23,848	125	31	43
NONPOWERED HAULAGE	-			28	30	30	7	37			100	1,538	1,638	1,638	50	55	55
POWERED HAULAGE	6		20	1,023	1,043	1,049	204	1,253	36,000		21,350	50,682	72,032	108,032	1,068	50	103
HOISTING	-			1	1	1	3	4				4	4	4		4	4
IGNITION OR EXPLOSION	-																
OF GAS OR DUST	2			15	15	17	3	20	12,000			1,481	1,481	13,481		99	793
INUNDATION	1			1	1	2		2	6,000			29	29	6,029		29	3,014
MACHINERY	2		21	1,313	1,334	1,336	346	1,682	12,000		4,088	50,636	54,724	66,724	195	39	50
SLIP OR FALL OF	-																
PERSON	-		4	1,244	1,248	1,248	153	1,401			1,830	62,771	64,601	64,601	458	50	52
STEPPING OR KNEELING	-																
ON OBJECT	-			185	185	185	24	209				6,818	6,818	6,818		37	37
STRIKING OR BUMPING	-			125	125	125	65	190				4,616	4,616	4,616		37	37
OTHER INJURIES	2			112	112	114	20	134	12,000			4,344	4,344	16,344		39	143
TOTAL OR AVERAGE	43	1	116	8,359	8,476	8,519	2,074	10,593	258,000	6,000	37,228	374,684	417,912	675,912	321	45	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, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	NOI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	IFEMO RISKY	TOTAL FATAL AND NFDI
		PERMANENT	IFEMO RISKY						TOTAL	PARTIAL					
			TOTAL	PARTIAL											
SURFACE MINES															
STRIP															
ELECTRICAL			9		9	3	12					391		43	43
EXPLODING VESSEL															
UNDER PRESSURE			6		6	1	7					11		2	2
EXPLOSIVE AND BREAKING															
AGENT	1		3		3	2	6	6,000				133		44	1,533
FALLING, ROLLING, OR															
SLIDING MATERIAL			3		3		4	6,000				191		64	1,548
FALL OF FACE, RIB, SIDE	1														
OR HIGHWALL			13		13	1	14					648		50	50
FIRE			10		10	1	12					229		23	23
HANDLING MATERIAL		12	379		391	200	591	6,000				11,182	52	28	566
HAND TOOL			120		120	175	295					3,934		33	33
NONPOWERED HAULAGE			2		2	2	4					23		12	12
POWERED HAULAGE	1	1	175		176	43	220	6,000				9,888	300	55	90
HOISTING			2		2		2					55		28	28
IGNITION OR EXPLOSION															
OF GAS OR DUST	1		6		6	1	8	6,000				225		38	889
MACHINERY	1	6	193		199	118	318	6,000				5,928	96	28	60
SLIP OR FALL OF															
PERSON	1	1	429		430	90	521	6,000				18,458	3,000	36	57
STEPPING OR KNEELING			23		23	8	31					492		21	21
ON OBJECT			1		1	4	5					11		11	11
STRIKING OR BUMPING		1	30		31	26	57					1,003	100	30	32
OTHER INJURIES															
TOTAL OR AVERAGE	7	21	1,404		1,425	675	2,107	42,000				52,802	219	34	66
AUGER															
FALL OF FACE, RIB, SIDE															
OR HIGHWALL			3		3	1	4					164		55	55
HANDLING MATERIAL		1	4		5	4	9					178	50	32	36
HAND TOOL			3		3	3	6					110		37	37
POWERED HAULAGE															
MACHINERY			8		8	2	10					167		21	21
SLIP OR FALL OF															
PERSON			5		5	3	8					304		61	61
STEPPING OR KNEELING			1		1		1					1		1	1
ON OBJECT															
TOTAL OR AVERAGE		1	24		25	15	40					924	50	36	37

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, 1981 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY							
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL				TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL					TEMPO- RARY	TOTAL NFDL				
																	TOTAL	PARTIAL	TOTAL	PARTIAL
COLUMBIA ELECTRICIAN HANDLING MATERIAL HAND TOOL POWERED HAULAGE MACHINERY SLIP OR FALL OF PERSON STEPPING OR KNEELING ON OBJECT STRIKING OR BUMPING OTHER INJURIES TOTAL OR AVERAGE		1 4 2 5 1 7 1 1 1 22	1 4 2 6 1 8 1 1 1 24	1 4 2 6 1 8 1 1 1 24	1 5 6 2 9 1 2 32						3 271 3 4,575 5 190 50 5 1 503 5,053 54 317 371 394 11 6,133 6,191 812 6,229 11,685 4,047 23 20,463 55 225 6,100 25,269 498 1,004 59,190 101,150		3 68 2 15 5 20 50 1 23 54 317 186 39 2 44 64 51 23 28 32 12 54 28 38 27 37 20 11 29 34	3 271 3 4,575 5 190 50 5 1 503 5,053 54 317 371 394 11 6,133 6,191 812 6,229 11,685 4,047 23 20,463 55 225 6,100 25,269 498 1,004 59,190 101,150						
DREDGE HANDLING MATERIAL MACHINERY SLIP OR FALL OF PERSON TOTAL OR AVERAGE		1 1 1 2	1 1 1 2	1 1 1 2	2 1 2 5							54 317 371 394 11 6,133 6,191 812 6,229 11,685 4,047 23 20,463 55 225 6,100 25,269 498 1,004 59,190 101,150		54 317 371 394 11 6,133 6,191 812 6,229 11,685 4,047 23 20,463 55 225 6,100 25,269 498 1,004 59,190 101,150						
TOTAL OR AVERAGE SURFACE		10 6 3 3 16 10 388 125 2 180 2 6 202 442 25 1 31 24	10 6 3 3 16 10 401 125 2 182 2 6 208 444 25 1 32 1,476	10 6 3 3 16 10 401 125 2 183 2 7 209 445 25 1 32 1,483	13 7 6 4 18 12 607 306 4 228 2 8 331 540 33 6 59 2,184							394 11 133 191 812 229 11,010 4,047 23 9,663 55 225 5,525 16,219 498 904 49,950 42,000		394 11 133 191 812 229 11,010 4,047 23 9,663 55 225 5,525 16,219 498 904 49,950 42,000						

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, 1981 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	LOST WORKDAYS				AVERAGE SEVERITY				
	FATAL	NFI			TOTAL FATAL AND NFI			NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		PERMANENT	TEMPORARY							TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI				
			TOTAL	PARTIAL												
TOTAL OR AVERAGE, MINING	4	1	114	115	119	18	24,000	350	4,157	4,507	28,507	50	36	240		
ELECTRICAL			16	16	16	9			417	417	417		26	26		
EXPLODING VESSEL	3		11	11	14	4	18,000		455	455	18,455		41	1,318		
UNDER PRESSURE	2		18	18	20	2	12,000		616	616	12,616		34	631		
EXPLOSIVE AND BREAKING	2	2	132	134	136	13	12,000	750	8,949	9,699	21,699	375	68	160		
AGENT	19	3	534	537	556	118	114,000	975	21,708	22,713	136,713	325	41	246		
FALLING, ROLLING, OR	2		17	17	19	2	12,000		342	342	12,342		20	650		
SLIDING MATERIAL	1	71	3,356	3,428	3,428	880	4,308	6,000	7,835	164,473	164,473	110	45	48		
FALL OF FACE, RIB, SLIDE	1	5	675	680	681	599	1,290	6,000	625	21,895	21,895	125	32	41		
OR HIGHWALL	7	22	30	32	32	9	42,000	26,150	1,561	86,495	128,495	1,189	50	104		
FALL OF ROOF (UNDER			1,203	1,225	1,232	249			59	59	59		20	20		
GROUND MINES ONLY)	3		21	21	24	4	18,000		1,706	1,706	19,706		81	821		
FIRE	1	1	1	1	2	2	6,000		29	29	6,029		29	3,014		
HANDLING MATERIAL	3	27	1,575	1,542	1,545	468	18,000	4,663	56,161	60,824	78,824	173	37	51		
HAND TOOL	1	6	1,686	1,692	1,693	248	6,000		4,880	78,990	83,870	813	47	53		
POWERED HAULAGE			210	210	210	32			7,316	7,316	7,316		35	35		
POWERED HAULAGE	2	1	126	126	126	70	12,000		4,627	4,627	4,627		37	37		
HOISTING			143	144	146	47		100	5,248	5,348	17,348	100	37	119		
IGNITION OR EXPLOSION	50	1	9,811	9,952	10,002	2,775	300,000	6,000	46,428	424,634	777,062	332	43	78		
OF GAS OR DUST																
INMUNITION																
MACHINERY																
SLIP OR FALL OF																
PERSON																
STEPPING OR KNEELING																
ON OBJECT																
SINKING OR BUMPING																
OTHER INJURIES																
TOTAL OR AVERAGE																
INDEPENDENT SHOPS																
ELECTRICAL		1	1	1	1	1			50	1,357	1,407	50	5	5		
HANDLING MATERIAL			22	23	23	19			545	545	1,407		62	61		
HAND TOOL			13	13	13	14			24	24	545		42	42		
POWERED HAULAGE	1		2	2	3	1	6,000		80	80	6,024		12	2,008		
POWERED HAULAGE			5	5	5	10			778	778	80		16	16		
MACHINERY																
SLIP OR FALL OF																
PERSON			12	12	12	1							65	65		
STEPPING OR KNEELING																
ON OBJECT																
OTHER INJURIES																
TOTAL OR AVERAGE	1	1	55	56	57	48	6,000	50	2,789	2,839	8,839	50	51	155		

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, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	PERMANENT		TOTAL NFI	TOTAL FATAL AND NFI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI		
		PERMANENT		TOTAL NFI												
		TOTAL	PARTIAL													
								TOTAL	PARTIAL							
PROCESSING PLANTS																
ELECTRICAL		9		9	9					9	9			17		17
EXPLODING VESSEL		1		1	1					1	1			1		1
UNDER PRESSURE																
FAILING, ROLLING OR																
SLIDING MATERIAL		3		3	3					3	3			38		38
FIRE		2		2	2					2	2			42		42
HANDLING MATERIAL		275		284	284					284	284			37		37
HAND TOOL		108		112	112					112	112			42		42
NONPOWERED HAULAGE		12		12	12					12	12			35		35
POWERED HAULAGE		54		55	56					56	56			72		72
LOCOMOTION OR EXPLOSION																
OF GAS OR DUST		2		2	2					2	2			201		201
MACHINERY		3		3	3					3	3			4		4
SUPPLY OR FALL OF																
PERSON		226		228	228					228	228			188		188
STEPPING OR KNEELING		14		14	14					14	14			45		45
ON OBJECT		11		11	11					11	11			22		22
STRIKING OR BUMPING		17		17	17					17	17			20		20
OTHER INJURIES														34		34
TOTAL ON AVERAGE	3	803	17	820	823	279	18 000	4 675	29 530	34 209	52 209	275	37	63		63

TABLE 18 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	PERMANENT		TEMPO RARY	TOTAL NFI	TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI
		TOTAL		TOTAL												
		TOTAL	PARTIAL													
4	1	124	125	129	18	147	24,000	350	4,316	4,666	28,666	350	35	222		
TOTAL OR AVERAGE ALL MINES AND PLANTS																
ELECTRICAL																
EXPLODING VESSEL																
UNDER PRESSURE																
EXPLOSIVE AND BURNING																
AGENT																
FALLING, ROLLING, OR																
SLIDING MATERIAL																
FALL OF FACE, RIB, SIDE																
OR HIGHWALL																
FALL OF ROOF (UNDER																
GROUND MINES ONLY)																
FIRE																
HANDING MATERIAL																
HAND TOOL																
NONPOWERED HAULAGE																
POWERED HAULAGE																
HOISTING																
IGNITION OR EXPLOSION																
OF GAS OR DUST																
IMMUNIZATION																
MACHINERY																
SLIP OR FALL OF																
PERSON																
STEPPING OR KNEELING																
ON OBJECT																
STRIKING OR BUMPING																
OTHER INJURIES																
TOTAL OR AVERAGE	54	1	158	10,669	10,828	3,102	13,984	324,000	6,000	51,157	514,110	838,110	324	43	77	
OFFICE																
HANDLING MATERIAL																
HAND TOOL																
MACHINERY																
SLIP OR FALL OF																
PERSON																
STRIKING OR BUMPING																
TOTAL OR AVERAGE																

TABLE 18 NUMBER OF INJURIES, LOST HOLIDAYS, AND AVERAGE SEVERITY BY DEGREE, FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST HOLIDAYS						AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		PERMANENT		TOTAL				PERMANENT		TOTAL							
		TOTAL	PARTIAL					TOTAL	PARTIAL								
GRAND TOTAL OR AVERAGE	4	1	124	125	129	147	24 000	350	4 316	4 666	28 666	350	4 316	28 666	35	222	222
ELECTRICAL																	
EXPLODING VESSEL																	
UNDER PRESSURE																	
EXPLOSIVE AND BREAKING																	
AGENT	3		17	17	17	28	18 000		418	418	418		418	418	25	25	25
FALLING, ROLLING, OR																	
SLIDING MATERIAL	2		21	21	23	26	12 000		455	455	18 455		455	18 455	41	1 318	1 318
FALL OF FACT, RIB, SIDE																	
OR HIGHWALL	2	2	132	134	136	149	12 000	750	8 949	9 699	12 731	375	8 949	21 699	68	554	554
FALL OF ROOF (UNDER																	
GROUND MINES ONLY)	19	3	534	537	556	674	114 000		21 798	22 773	136 773		21 798	136 773	41	246	246
FIRE	2		19	19	21	23	12 000		425	425	12 425		425	12 425	22	562	562
HANDLING MATERIAL		1	81	3 750	3 750	4 744	6 000	6 000	8 594	177 408	177 408	106	162 814	177 408	44	40	40
HAND TOOL	1		7	805	806	1 489			1 125	26 279	32 279	161	26 279	32 279	32	57	57
NONPOWERED HAULAGE			2	44	44	54	54 000	28 150	2 428	2 528	2 528	50	2 428	2 528	58	113	113
POWERED HAULAGE	9	23	1 259	1 262	1 291	1 558			62 627	91 777	145 777	1 267	62 627	91 777	20	20	20
HOISTING			3	3	3	6			58	58	58		58	58			
IGNITION OR EXPLOSION																	
OF GAS OR DUST	3		23	23	26	31	18 000		1 713	1 713	19 713		1 713	19 713	74	798	798
INUNDATION	1		1	1	2	2	6 000		29	29	6 029		29	6 029	29	3 014	3 014
MACHINERY	5	30	1 591	1 621	1 626	2 150	30 000		57 755	62 788	92 788	168	57 755	92 788	36	57	57
SLIP OR FALL OF																	
PERSON	1	8	1 933	1 941	1 942	2 231	6 000		96 774	98 754	101 754	622	96 774	101 754	47	52	52
STEPPING OR KNEELING																	
ON OBJECT																	
STRIKING OR BUMPING																	
OTHER INJURIES	2	1	138	138	138	158	12 000		100	100	17 932	100	100	17 932	34	34	34
TOTAL OR AVERAGE	54	1	156	157	157	14 024	324 000	51 157	458 749	515 906	839 906	324	458 749	839 906	43	77	77

TABLE 18A NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT METALLURGICAL COKE OPERATIONS IN THE UNITED STATES, 1951 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	MED			TOTAL FATAL AND MED	NON FATAL	TOTAL INJURIES	FATAL	MED			TOTAL FATAL AND MED	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND MED
		PERMANENT	TOTAL						TEMPO RARY	TOTAL MED					
			TOTAL	PARTIAL											
TOTAL OR AVERAGE SURFACE HANDLING MATERIAL HAND TOOLS POWERED HAULAGE MACHINERY SLIP OR FALL OF PERSON STEPPING OR KNEELING ON OBJECT STRIKING OR BUMPING OTHER INJURIES TOTAL OR AVERAGE		1	24	25	25	7	32		50		1,072	50	45	45	
		1	9	9	9	4	13		4,500		4,968	4,500	22	22	
			9	10	10	10	10				215		31	31	
			7	7	7	4	11				757		38	38	
		20	20	20	20	2	22								
						1	1								
		3	3	3	3	2	5				3		1	1	
		2	72	74	74	22	96		4,550		7,244	2,275	37	98	
TOTAL OR AVERAGE MINING FALL OF FAULT, RIB, SIDE OR HIGHWALL FALL OF ROOF (UNDER GROUND MINES ONLY) HANDLING MATERIAL HAND TOOLS POWERED HAULAGE MACHINERY SLIP OR FALL OF PERSON STEPPING OR KNEELING ON OBJECT STRIKING OR BUMPING OTHER INJURIES TOTAL OR AVERAGE			1	1	1		1		26		26		26	26	
						1	1								
		1	24	25	25	7	32		50		1,072	50	45	45	
			10	10	10	4	14		4,500		206		21	21	
			10	11	11	1	12				4,980	4,500	48	453	
			7	7	7	4	11				215		31	31	
		24	24	24	24	2	26				1,076		45	45	
						1	1								
		3	3	3	3	2	5				3		1	1	
		2	79	81	81	24	105		4,550		7,628	2,275	39	94	
TOTAL OR AVERAGE INDEPENDENT SHOPS HANDLING MATERIAL MACHINERY SLIP OR FALL OF PERSON STEPPING OR KNEELING ON OBJECT TOTAL OR AVERAGE			3	3	3		3		491		491		154	154	
			1	1	1		1		5		5		5	5	
			1	1	1		1		75		75		75	75	
						1	1								
		5	5	5	5	1	6		571		571		114	114	

TABLE 18A NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ANTHROPOLITIC COAL OPERATIONS IN THE UNITED STATES, 1987 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY			
	FATAL	MED			TOTAL FATAL AND MED	NOI	TOTAL INJURIES	FATAL	MED			TOTAL FATAL AND MED	TEMPORARY PARTIAL	TOTAL FATAL AND MED
		PERMANENT	TEMPORARY	TOTAL MED					PERMANENT		TOTAL MED			
									TOTAL	PARTIAL				
PROCESSING PLANTS														
HANDLING MATERIAL		21	7	21	21	10	31		921	366	921	44		44
HAND TOOL		1	1	1	1	5	12		26	26	26	26		26
NONPOWDERED HAULAGE		3	3	3	3	2	1		102	102	102	34		34
POWDERED HAULAGE		1	12	13	13	2	15		242	242	242	19		19
MACHINERY														
SUP OR FALL OF PERSON		24	24	24	24	4	28		659	659	659	27		27
STEPPING OR KNEELING ON OBJECT		2	2	2	2	2	2		99	99	99	50		50
OTHER INJURIES		2	2	2	2	1	3		134	134	134	67		67
TOTAL OR AVERAGE		1	72	73	73	24	97		2,549	2,549	2,549	33		33
TOTAL OR AVERAGE														
ALL MINES AND PLANTS														
FALL OF FACE - RIB, SIDE OR HIGHWALL		1	1	1	1	1	1		26	26	26	26		26
FALL OF ROOF (UNDERGROUND MINES ONLY)														
HANDLING MATERIAL		48	17	49	49	17	66		2,484	572	2,534	52		52
HAND TOOL		1	1	1	1	9	10		26	26	26	26		26
NONPOWDERED HAULAGE		1	13	14	14	3	17		502	312	5,082	45		45
POWDERED HAULAGE		1	20	21	21	6	27		4,500	150	4,650	22		22
MACHINERY														
SUP OR FALL OF PERSON		49	49	49	49	6	55		1,810	1,810	1,810	37		37
STEPPING OR KNEELING ON OBJECT		2	2	2	2	2	4		99	99	99	50		50
STRIKING OR BUMPING OTHER INJURIES		5	5	5	5	3	8		137	137	137	27		27
TOTAL OR AVERAGE		3	156	159	159	49	208		6,048	4,700	10,748	35		35
TOTAL OR AVERAGE														
GRAND TOTAL OR AVERAGE														
FALL OF FACE - RIB, SIDE OR HIGHWALL														
FALL OF ROOF (UNDERGROUND MINES ONLY)														
HANDLING MATERIAL		48	17	49	49	17	66		2,484	572	2,534	52		52
HAND TOOL		1	1	1	1	9	10		26	26	26	26		26
NONPOWDERED HAULAGE		1	13	14	14	3	17		502	312	5,082	45		45
POWDERED HAULAGE		1	20	21	21	6	27		4,500	150	4,650	22		22
MACHINERY														
SUP OR FALL OF PERSON		49	49	49	49	6	55		1,810	1,810	1,810	37		37
STEPPING OR KNEELING ON OBJECT		2	2	2	2	2	4		99	99	99	50		50
STRIKING OR BUMPING OTHER INJURIES		5	5	5	5	3	8		137	137	137	27		27
TOTAL OR AVERAGE		3	156	159	159	49	208		6,048	4,700	10,748	35		35

TABLE 188 NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT ALL TYPES OF COAL OPERATIONS IN THE UNITED STATES, 1987

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES					TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	LOST HOURS					AVERAGE SEVERITY					
	FATAL	NFI			TOTAL FATAL AND NFI				NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TOTAL FATAL AND NFI			
		PERMANENT	TEMPORARY	TOTAL NFI							PERMANENT	TEMPORARY	TOTAL NFI						
																	TOTAL	PARTIAL	TOTAL
UNDERGROUND MINES	4	1	90	91	95	13	24,000	350	3,284	3,634	27,634	350	36	291					
UNDERGROUND			8	8	8	7			374	374	374		47	47					
ELECTRICAL			7	7	8	2	6,000		182	182	6,182		26	773					
EXPLODING VESSEL	1		12	12	13	2	6,000		210	210	6,210		18	478					
EXPLOSIVE AND BREWING	1		115	117	118	11	6,000	150	8,111	8,861	14,861	375	71	126					
AGING			534	537	556	117	114,000	975	21,748	22,723	136,723	325	41	246					
FALLING, ROLLING OR			6	6	5	7			6,510	6,510	141,305	126	18	51					
SLIDING MATERIAL			2,791	2,791	2,791	3,387			128,793	131,178	141,305	126	47	51					
FALL OF FACE, RIB, SLIP			491	496	496	370	6,000		15,545	16,170	22,170	32	32	45					
OR HIGHWALL	1		34	36	36	32			1,487	1,487	1,487	52	52	58					
FALL OF ROOF (UNDER	6		985	1,003	1,009	191	36,000	21,175	49,427	70,602	106,602	30	50	106					
GROUND MINES ONLY)			1	1	1	2			4	4	4		4	4					
FIRE			13	13	15	2	12,000		1,438	1,438	13,438	111	111	886					
HAND TOOL			1	1	1	2	6,000		29	29	6,029	26	26	3,014					
NONPOWERED HAULAGE	2		1,278	1,298	1,300	322	12,000	3,798	49,564	53,362	65,362	185	39	50					
POWERED HAULAGE			1,085	1,086	1,090	124		1,830	53,069	54,895	54,895	49	49	50					
HOISTING			180	180	180	21			6,823	6,823	6,823		37	37					
IGNITION OR EXPLOSION			124	124	124	14			4,614	4,614	4,614		37	37					
OF GAS OR DUST			107	107	108	15	6,000		4,295	4,295	10,295		40	95					
INUNDATION																			
MACHINERY																			
SUPPLY OR FALL OF																			
PERSON																			
STEERING OR ANCHORING																			
ON OBJECT																			
STRUCK BY OR STRUCK	1					123													
OTHER INJURIES																			
TOTAL OR AVERAGE	39	106	7,801	7,908	7,947	9,817	234,000	38,103	348,908	387,011	625,011	341	45	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 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY									
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI								
		TOTAL	PERMANENT					TOTAL NFI	TOTAL FATAL AND NFI	TOTAL INJURIES					FATAL	NFI		TOTAL FATAL AND NFI				
			TOTAL	PARTIAL												TOTAL NFI	TOTAL FATAL AND NFI		TOTAL INJURIES	FATAL	NFI	
																					TOTAL	PARTIAL
SURFACE AT UNDERGROUND																						
ELECTRICAL				14	14	2	16				479	479		34		34	34					
EXPLODING VESSEL				2	2	1	3				32	32		16		16	16					
UNDER PRESSURE				1	1		2	6 000			140	140		140		140	3 070					
EXPLOSIVE AND FRICTION				3	3		3				215	215		72		72	72					
AGENTS				1	1		1	6 000			4	4		4		5 000	5 000					
FALLING, ROLLING OR				3	3		3	6 000			10 774	11 429	93	47		3 002	3 002					
SLIDING MATERIAL				2	2		2				1 671	1 671		29		48	48					
FALL OF FACE, PIT, SIDE				1	1		1				141	141		31		35	35					
OR HIGHWALL				37	39	2	51			175	1 223	1 398	88	33		36	36					
FIRE				2	2		2				43	43		22		22	22					
HANDLING MATERIAL				2	2		2				1 072	1 372	300	31		36	36					
HAND TOOL				2	2		2				9 383	9 383		61		61	61					
NONPOWERED HAULAGE				5	5	3	8				163	163		33		33	33					
POWERED HAULAGE				1	1		1				2	2		2		2	2					
HOISTING				5	5	5	11	8 000			45	45		9		1 008	1 008					
LOCATION OR EXPLOSION				10	10	202	257	24 000			25 352	26 517	112	46		89	89					
OF GAS OR DUST																						
MACHINERY																						
SLIP OR FALL OF																						
PERSON																						
SLIPPING OR KICKING																						
ON OBJECT																						
STRIKING OR BUMPING																						
OTHER INJURIES																						
TOTAL OR AVERAGE																						

TABLE 18B NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT BLUPTIOUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY					
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI			
		TOTAL	PERMANENT						TOTAL	PARTIAL	TEMPORARY					TOTAL NFI		
			TOTAL	PARTIAL														
4		1		104	105	109	15	124	24,000		350	3,763	4,113	28,113	350	36	298	
ELECTRICAL UG					10	10	8	18					406	406	406		41	41
EXPLODING VESSEL					8	8	2	12	12,000				322	322	12,322		40	1,232
UNDER PRESSURE	2				15	15	2	18	6,000				425	425	6,425		28	402
EXPLOSIVE AND BREAKING AGENT	1				117	117	11	130	12,000		750		8,111	8,861	20,861	375	71	175
FALLING, ROLLING, OR SLIDING MATERIAL	2		2		537	556	117	673	114,000		975		21,496	22,773	136,773	325	41	246
FALL OF FACE, RTB, SIDE OR HIGHWALL	19		3		7	8	1	9	6,000				113	113	6,113		16	764
FALL OF ROOF (UNDER GROUND MINES ONLY)	1		58		2,968	3,027	674	3,701	6,000	6,000	7,160		139,518	152,738	152,738	123	47	50
FIRE	1	1			549	555	418	973	6,000		625		17,216	23,841	23,841	125	31	43
HANDLING MATERIAL	1		5		30	30	7	37	36,000		100		1,538	1,638	1,638	50	35	55
HAND TOOL	6		20		1,022	1,048	203	1,251			21,350		50,650	72,000	108,000	1,068	50	103
NONPOWERED HAULAGE					1	1	3	4					4	4	4		4	4
POWERED HAULAGE					15	17	3	20	12,000				1,481	1,481	13,481		95	793
HOISTING	2				1	1	2	3	6,000				29	29	6,029		29	3,014
IGNITION OR EXPLOSION OF GAS OR DUST	1				1,313	1,336	346	1,682	12,000		4,088		50,636	54,724	66,724	195	39	50
INUNDATION	2		21															
MACHINERY					1,244	1,244	153	1,397			1,830		62,452	64,282	64,282	498	50	52
SUP OR FALL OF PERSON			4															
STEPPING OR KNEELING ON OBJECT					185	185	24	209					6,818	6,818	6,818		37	37
STRIKING OR BUMPING					125	125	65	190					4,616	4,616	4,616		37	37
OTHER INJURIES	2				112	112	20	134	12,000				4,344	4,344	16,344		39	143
TOTAL OR AVERAGE	43	1	116		8,352	8,469	2,072	10,584	298,000	6,000	37,228		374,300	417,528	675,528	321	45	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, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	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		TOTAL					TEMPO RARY	TOTAL NFDL						
		TOTAL	PARTIAL													
SURFACE MINES.																
STRIP																
ELECTRICIAN			9	9	9	3	12					391	391		43	43
EXPLODING VESSEL			6	6	6	1	7					11	11		2	2
UNDER PRESSURE			3	3	3	2	6	6,000				133	133		44	1,533
EXPLOSIVE AND BREAKING AGENT	1											191	191		64	1,548
FALLING, ROLLING, OR SLIDING MATERIAL	1		3	3	4	4	4	6,000				648	648		50	50
FALL OF FACE, RIB, SIDE OR HIGHWALL			13	13	13	1	14	6,000				229	229		23	26
FIRE	1		10	10	11	194	562					10,274	10,274	52	27	28
HANDLING MATERIAL		11	357	368	368	173	286		575			3,738	3,738		33	33
HAND TOOL			113	113	113	2	4					23	23		12	12
NONPOWERED HAULAGE			2	2	2	43	213	6,000	300			9,480	9,480	300	55	91
POWERED HAULAGE	1	1	168	169	170	2	2					55	55		28	28
HOISTING			2	2	2							225	225		38	889
IGNITION OR EXPLOSION OF GAS OR DUST	1		6	6	7	1	8	6,000	575			5,718	5,718	96	28	60
MACHINERY	1	6	187	193	194	114	308	6,000				17,733	23,733	3,000	36	57
SLIP OR FALL OF PERSON	1	1	412	413	414	88	502	6,000	3,000	14,733		492	492		21	21
STEPPING OR KNEELING ON OBJECT			23	23	23	7	30					11	11		11	11
STRIKING OR BUMPING OTHER INJURIES			1	1	1	3	4		100			1,001	1,001	100	32	35
TOTAL OR AVERAGE	7	20	1,343	1,363	1,370	658	2,028	42,000	4,550	45,803	50,353	92,353	228	34	67	
AUGER:																
FALL OF FACE, RIB, SIDE OR HIGHWALL			3	3	3	1	4					164	164		55	55
HANDLING MATERIAL		1	4	5	5	4	9					178	178	50	36	36
HAND TOOL			3	3	3	3	6		50			110	110		37	37
POWERED HAULAGE			8	8	8	2	10					167	167		21	21
MACHINERY												304	304		61	61
SLIP OR FALL OF PERSON			5	5	5	3	8					1	1		1	1
STEPPING OR KNEELING ON OBJECT			1	1	1		1					924	924		36	37
TOTAL OR AVERAGE		1	24	25	25	15	40			50	874	924	50			

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, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI	
		PERMANENT		TEMPO- RARY					TOTAL NFDI	PERMANENT						TEMPO- RARY
		TOTAL	PARTIAL							TOTAL	PARTIAL					
CULM BANK																
ELECTRICAL				1	1	1	1				3	3	3		3	3
HANDLING MATERIAL				2	2	2	2				57	57	57		3	28
HAND TOOL							1								1	1
POWERED HAULAGE				3	3	3	3				35	35	35		12	12
MACHINERY							1								1	1
SLIP OR FALL OF PERSON			1	4	5	5	1		50		108	158	158	50	27	32
STEPPING OR KNEELING ON OBJECT				1	1	1	1				5	5	5		5	5
TOTAL OR AVERAGE			1	11	12	12	3		50		208	258	258	50	19	22
DREDGE																
HANDLING MATERIAL				1	1	1	1				54	54	54		54	54
MACHINERY							1									
SLIP OR FALL OF PERSON				1	1	1	1				317	317	317		317	317
TOTAL OR AVERAGE				2	2	2	3				371	371	371		186	186
TOTAL OR AVERAGE, SURFACE																
ELECTRICAL				10	10	10	3				394	394	394		39	39
EXPLODING VESSEL UNDER PRESSURE				6	6	6	1				11	11	11		2	2
EXPLOSIVE AND BREAKING AGENT	1			3	3	4	2	6,000			133	133	6,133		44	1,533
FALLING, ROLLING OR SLIDING MATERIAL	1			3	3	4		6,000			191	191	6,191		64	1,548
FALL OF FACE, RIB, SIDE OR HIGHWALL				16	16	16	2				812	812	812		51	51
FIRE	1			10	10	11	1	6,000			229	229	6,229		23	566
HANDLING MATERIAL			12	364	376	376	199		625		9,938	10,563	52	27	28	
HAND TOOL				116	116	116	177				3,848	3,848	3,848		33	33
NONPOWERED HAULAGE				2	2	2	2				23	23	23		12	12
POWERED HAULAGE	1	1		171	172	173	45	6,000	300		9,215	9,515	15,515	300	54	90
HOISTING				2	2	2	2				55	55	55		28	28
IGNITION OR EXPLOSION OF GAS OR DUST	1			6	6	7	1	6,000			225	225	6,225		38	889
MACHINERY	1		6	195	201	202	118	6,000	575		5,310	5,885	11,885	96	27	59
SLIP OR FALL OF PERSON	1		2	422	424	425	93	6,000	3,050		15,462	18,512	24,512	1,525	37	58
STEPPING OR KNEELING ON OBJECT				25	25	25	7				498	498	498		20	20
STRIKING OR BUMPING				1	1	1	3				11	11	11		11	11
OTHER INJURIES			1	28	29	29	25		100		901	1,001	1,001	100	32	35
TOTAL OR AVERAGE	7		22	1,380	1,402	1,409	679	42,000	4,650		47,256	51,906	93,906	211	34	67

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, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI		
		PERMANENT		TEMPO- RARY					PERMANENT		TEMPO- RARY					TOTAL NFDI	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE, MINING	4		1	114	115	119	18	137	24,000		350	4,157	4,507	28,507	350	36	240
ELECTRICAL																	
EXPLODING VESSEL				16	16	16	9	25				417	417	417		26	26
UNDER PRESSURE																	
EXPLOSIVE AND BREAKING				11	11	14	4	18	18,000			455	455	18,455		41	1,318
AGENT	3																
FALLING, ROLLING, OR				18	18	20	2	22	12,000			616	616	12,616		34	631
SLIDING MATERIAL	2																
FALL OF FACE, RIB, SIDE																	
OR HIGHWALL	2		2	131	133	135	13	148	12,000		750	8,923	9,673	21,673	375	68	161
FALL OF ROOF (UNDER																	
GROUND MINES ONLY)	19		3	534	537	556	117	673	114,000		975	21,798	22,773	136,773	325	41	246
FIRE	2			17	17	19	2	21	12,000			342	342	12,342		20	650
HANDLING MATERIAL		1	70	3,332	3,403	3,403	873	4,276		6,000	7,785	149,516	163,301	163,301	111	45	48
HAND TOOL	1		5	665	670	671	595	1,266	6,000		625	21,064	21,689	27,689	125	32	41
NONPOWERED HAULAGE			2	30	32	32	9	41			100	1,561	1,661	1,661	50	52	52
POWERED HAULAGE	7		21	1,193	1,214	1,221	242	1,469	42,000		21,650	59,865	81,515	123,515	1,031	50	101
HOISTING				3	3	3	3	6				59	59	59		20	20
IGNITION OR EXPLOSION																	
OF GAS OR DUST	3			21	21	24	4	28	18,000			1,706	1,706	19,706		81	821
INUNDATION	1			1	1	2		2	6,000			29	29	6,029		29	3,014
MACHINERY	3		27	1,508	1,535	1,538	464	2,002	18,000		4,663	55,946	60,609	78,609	173	37	51
SLIP OR FALL OF																	
PERSON	1		6	1,662	1,668	1,669	246	1,915	6,000		4,880	77,914	82,794	88,794	813	47	53
STEPPING OR KNEELING																	
ON OBJECT				210	210	210	31	241				7,316	7,316	7,316		35	35
STRIKING OR BUMPING				126	126	126	68	194				4,627	4,627	4,627		37	37
OTHER INJURIES	2		1	140	141	143	45	188	12,000		100	5,245	5,345	17,345	100	37	121
TOTAL OR AVERAGE	50	1	138	9,732	9,871	9,921	2,751	12,672	300,000	6,000	41,878	421,556	469,434	769,434	303	43	78
INDEPENDENT SHOPS																	
ELECTRICAL				1	1	1		1				5	5	5		5	5
HANDLING MATERIAL			1	19	20	20	19	39			50	866	916	916	50	46	46
HAND TOOL				13	13	13	14	27				545	545	545		42	42
POWERED HAULAGE	1			2	2	3	1	4	6,000			24	24	6,024		12	2,008
MACHINERY				4	4	4	10	14				75	75	75		19	19
SLIP OR FALL OF																	
PERSON				11	11	11	1	12				703	703	703		64	64
STEPPING OR KNEELING																	
ON OBJECT							1	1									
OTHER INJURIES							1	1									
TOTAL OR AVERAGE	1		1	50	51	52	47	99	6,000		50	2,218	2,268	8,268	50	44	159

TABLE 188 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI	
		TOTAL	PERMANENT	TEMPORARY					TOTAL	TEMPORARY	TOTAL NFDI					
PROCESSING PLANTS:																
ELECTRICAL			9	9	9		9				154	154			17	17
EXPLODING VESSEL			1	1	1	2	3				1	1			1	1
UNDER PRESSURE			3	3	3	1	4				115	115			38	38
FALLING, ROLLING, OR SLIDING MATERIAL			2	2	2	79	342				83	83			42	42
FIRE		9	254	263	263	65	168		709		8,970	9,679		79	35	37
HANDLING MATERIAL		2	101	103	103	1	12		500		2,954	3,454		250	28	34
HAND TOOL			11	11	11	15	68	6,000			841	841			76	76
NONPOWERED HAULAGE		1	51	52	53				3,000		2,156	5,156		3,000	42	210
POWERED HAULAGE			2	2	2	1	3				7	7			4	4
IGNITION OR EXPLOSION OF GAS OR DUST	2	2	57	59	61	43	104	12,000	220		1,413	1,633		110	25	223
MACHINERY		2	202	204	204	32	236		100		9,559	9,659		50	47	47
SLEEPING OR KNEELING			12	12	12	3	15				210	210			18	18
ON OBJECT			11	11	11	4	15				218	218			20	20
STRIKING OR BUMPING			15	15	15	9	24				450	450			30	30
OTHER INJURIES			731	747	750	255	1,005	18,000	4,529		27,131	31,660		283	37	66
TOTAL OR AVERAGE	3	16														

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, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	NFDI				TOTAL FATAL AND NFDI	AVERAGE SEVERITY			
	FATAL	NFDI			TOTAL FATAL AND NFDI			NFI	TOTAL NFDI	PERMA- NENT PARTIAL	TEMPO- RARY		TOTAL NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI
		TOTAL	PARTIAL	TOTAL NFDI												
TOTAL OR AVERAGE	4	1	124	125	129	18	24,000	350	4,316	4,666	28,666	350	35	222		
ALL MINES AND PLANTS																
ELECTRICAL			17	17	17	11			418	418	418		25	25		
EXPLODING VESSEL			11	11	14	4	18,000		455	455	18,455		41	1,318		
UNDER PRESSURE	3		21	21	23	3	12,000		731	731	12,731		35	554		
EXPLOSIVE AND BREAKING	2		131	133	135	13	12,000	750	8,923	9,673	21,673	375	68	161		
AGENT	2	2	534	537	556	117	114,000	975	21,798	22,773	136,773	325	41	246		
FALLING, ROLLING, OR	19	3	19	19	21	2	12,000		425	425	12,425		22	592		
SLIDING MATERIAL	2	1	3,605	3,686	3,686	971	6,000	6,000	159,352	173,896	179,896	107	44	47		
FALL OF FACE, RIB, SIDE	1	80	779	786	787	674	5,000	5,000	24,563	25,688	31,688	161	32	40		
OR HIGHWALL	9	2	41	43	43	10	54,000	1,125	2,402	2,502	2,502	50	59	58		
FALL OF ROOF (UNDER		22	1,246	1,268	1,277	264		24,650	62,045	86,695	140,695	1,120	20	110		
GROUND MINES ONLY)		3	3	3	3	6			59	59	59		20	20		
FIRE	3		23	23	26	5	18,000		1,713	1,713	19,713		74	758		
HANDLING MATERIAL	1		1	1	2	2	6,000		29	29	6,029		29	3,014		
HAND TOOL	5	29	1,569	1,598	1,603	517	30,000	4,883	57,434	62,317	92,317	168	37	58		
NONPOWERED HAULAGE																
POWERED HAULAGE	1		1,875	1,883	1,884	279	6,000	4,980	88,176	93,156	99,156	622	47	53		
HOISTING	1	8	222	222	222	35			7,526	7,526	7,526		34	34		
IGNITION OR EXPLOSION			137	137	137	72			4,845	4,845	4,845		35	35		
OF GAS OR DUST			155	156	158	55	12,000	100	5,695	5,795	7,795	100	37	113		
IMMERSION			10,513	10,669	10,723	3,053	324,000	46,457	450,905	503,362	827,362	300	43	77		
MACHINERY								6,000								
SLIP OR FALL OF																
PERSON																
STEPPING OR KNEELING																
ON OBJECT																
STRIKING OR BUMPING	2	1	155	156	158	55										
OTHER INJURIES																
TOTAL OR AVERAGE	54	1	10,513	10,669	10,723	3,053	324,000	46,457	450,905	503,362	827,362	300	43	77		
OFFICE																
HANDLING MATERIAL			15	15	15	6			978	978	978		65	65		
HAND TOOL			2	2	2	1			19	19	19		10	10		
MACHINERY			2	2	2	1			9	9	9		4	4		
SLIP OR FALL OF			9	9	9	4			788	788	788		88	88		
PERSON			1	1	1	1			2	2	2		2	2		
STRIKING OR BUMPING																
TOTAL OR AVERAGE			29	29	29	11			1,796	1,796	1,796		62	62		

TABLE 188 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT BLUENTHUS COAL OPERATIONS IN THE UNITED STATES 1981 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI
		TOTAL	PARTIAL	TEMPO RARY					TOTAL NFDI						

GRAND TOTAL OR AVERAGE	4	1	124	125	129	18	147	24,000	350	4,316	4,666	28,666	350	35	222
ELECTRICAL															
EXPLODING VESSEL															
UNDER PRESSURE															
EXPLOSIVE AND BREAKING	3		17	17	17	11	28	18,000		418	418	418		25	25
AGENT															
FALLING, ROLLING, OR	2		11	11	14	4	18	12,000		455	455	18,455		41	1,318
SLIDING MATERIAL															
FALL OF FACE, RIB, SIDE	2		21	21	23	3	26	12,000		731	731	12,731		35	554
OR HIGHWALL															
FALL OF ROOF (UNDER	2	2	131	133	135	13	148	12,000	750	8,923	9,673	21,673	375	68	161
GROUND MINES ONLY)															
FIRE	19	3	534	537	556	117	673	114,000	975	21,798	22,773	136,773	325	41	246
HANDLING MATERIAL	2		19	19	21	2	23	12,000		425	425	12,425		22	562
HAND TOOL	1	80	3,620	3,701	3,701	977	4,678	6,000	6,000	162,330	174,874	174,874	107	44	47
NONPOWERED HAULAGE	1	7	781	788	789	674	1,463	6,000	1,125	24,582	25,707	31,707	161	31	40
POWERED HAULAGE	9	22	1,246	1,268	1,277	264	1,541	54,000	100	2,402	2,502	2,502	50	59	58
HOLSTING									24,650	58	86,695	140,695	1,120	50	110
IGNITION OR EXPLOSION															
OF GAS OR DUST	3		23	23	26	5	31	18,000		1,713	1,713	19,713		74	758
INMATION	1		1	1	2	2	2	6,000		24	24	6,024		29	3,014
MACHINERY	5	29	1,571	1,600	1,605	518	2,123	30,000	4,883	57,443	62,326	92,326	168	37	58
SLIP OR FALL OF															
PERSON	1	8	1,884	1,892	1,893	283	2,176	6,000	4,980	88,964	93,944	99,944	622	47	53
STEPPING OR KNEELING															
ON OBJECT															
STRIKING OR BUMPING	2	1	136	138	138	72	210	12,000	100	7,526	7,526	7,526		34	34
OTHER INJURIES															
TOTAL OR AVERAGE	54	1	10,542	10,638	10,752	3,964	13,816	324,000	6,000	452,701	505,158	829,158	300	43	77

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, 1991

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		PERMANENT	TOTAL					TOTAL NFI	TOTAL FATAL AND NFI				
			TOTAL	PARTIAL									
ELECTRICAL			10		10			49					49
EYE			2		2			17					17
FACE, NEC			3		3			25					25
HEAD, NEC			1		1			13					13
FOREARM			2		2			22					22
Wrist			33		33			612					612
Hand			7		8			85					85
Finger(s)		1	5		5			113					113
UPPER EXTREMITIES, NEC			1		1			273					273
Back			1		1			1					1
Chest			1		1			384					384
Thigh			3		3			102					102
Ankle			2		2			6					6
Foot			1		1			1,344					1,344
Body Systems	4		28		32		24,000	1,270					1,270
MULTIPLE PARTS OF BODY			25		25			4,555					4,555
TOTAL OR AVERAGE	4	1	124		129		24,000	28,555		350	35		222
EXPLODING VESSEL													
UNDER PRESSURE													
EAR			1		1			3					3
EYE			1		1			13					13
HEAD, NEC			2		2			22					22
Forearm			1		1			11					11
Wrist			2		2			2					2
Hand			2		2			195					195
Back			1		1			38					38
Knee			1		1			119					119
Lower Leg			1		1			2					2
Lower Extremities, NEC			2		2			9					9
Body Systems			4		4			119					119
MULTIPLE PARTS OF BODY			17		17			418					418
TOTAL OR AVERAGE			17		17			418			25		25
EXPLOSIVE AND BREAKING													
AGENT													
EYE			1		1			2					2
MOUTH/TEETH/TONGUE			1		1			3					3
FACE, NEC			1		1			4					4
HEAD, NEC			2		2			1					1
Neck			1		1			145					145
Hand			1		1			72					72
UPPER EXTREMITIES, NEC			1		1			60					60
Back			1		1			6					6
Ankle			1		1			168					168
Foot			3		3			455					455
Body Systems	1		11		12		6,000	12,168					18,455
MULTIPLE PARTS OF BODY	2		11		13		12,000	12,168					2,434
TOTAL OR AVERAGE	3		11		14		18,000	18,455			41		1,318

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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NOI	TOTAL INJURIES	FATA.	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		PERMANENT		TOTAL					TEMPORARY	TOTAL NFI					
		TOTAL	PARTIAL												
FALLING, ROLLING OR SLIDING MATERIAL		1	1	1	1	1	1				4	3	3	4	10
EYE		1	1	1	1	1	1				4	3	3	4	10
FACE, NEC		1	1	1	1	1	1				4	3	3	4	10
HEAD, NEC		1	1	1	1	1	1				4	3	3	4	10
NECK		1	1	1	1	1	1				4	3	3	4	10
ELBOW		1	1	1	1	1	1				4	3	3	4	10
HAND		1	1	1	1	1	1				4	3	3	4	10
FINGER(S)		2	2	2	2	2	2				10	20	20	34	57
BACK		3	3	3	3	3	3				10	20	20	34	57
CHEST		1	1	1	1	1	1				4	3	3	4	10
SHOULDER(S)		1	1	1	1	1	1				4	3	3	4	10
KNEE		1	1	1	1	1	1				4	3	3	4	10
LOWER LEG		2	2	2	2	2	2				10	20	20	34	57
FOOT		1	1	1	1	1	1				4	3	3	4	10
TOE(S)		1	1	1	1	1	1				4	3	3	4	10
LOWER EXTREMITIES, NEC	2	1	1	1	1	1	1	12 000			97	116	116	97	2 423
MULTIPLE PARTS OF BODY	2						3	12 000			731	731	35	35	554
TOTAL OR AVERAGE		21	21	21	23	23	26				2	2	2	2	2
FALL OF FACE, RIB, SIDE OR HIGHWALL		1	1	1	1	1	1				190	30	30	11	38
EYE		1	1	1	1	1	1				190	30	30	11	38
MOUTH/TEETH/TONGUE		1	1	1	1	1	1				190	30	30	11	38
HEAD, NEC		1	1	1	1	1	1				190	30	30	11	38
NECK		1	1	1	1	1	1				190	30	30	11	38
UPPER ARM		1	1	1	1	1	1				190	30	30	11	38
ELBOW		1	1	1	1	1	1				190	30	30	11	38
HAND		1	1	1	1	1	1				190	30	30	11	38
FINGER(S)		1	1	1	1	1	1				190	30	30	11	38
UPPER EXTREMITIES, NEC		1	1	1	1	1	1				190	30	30	11	38
BACK		24	24	24	24	24	24				265	1 972	265	19	63
CHEST		4	4	4	4	4	4				265	1 972	265	19	63
PELVIC REGION		1	1	1	1	1	1				265	1 972	265	19	63
SHOULDER(S)		1	1	1	1	1	1				265	1 972	265	19	63
TRUNK, NEC		6	6	6	6	6	6				1 872	84	84	3	10
THIGH		1	1	1	1	1	1				265	1 972	265	19	63
KNEE		4	4	4	4	4	4				265	1 972	265	19	63
LOWER LEG		1	1	1	1	1	1				265	1 972	265	19	63
ANKLE		5	5	5	5	5	5				1 872	84	84	3	10
FOOT		14	14	14	14	14	14				1 872	84	84	3	10
TOE(S)		2	2	2	2	2	2				265	1 972	265	19	63
LOWER EXTREMITIES, NEC		10	10	10	10	10	10				880	50	50	2	7
MULTIPLE PARTS OF BODY	2						1	12 000			1 206	880	1 206	15	52
UNCLASSIFIED		1	1	1	1	1	1				1 206	880	1 206	15	52
TOTAL OR AVERAGE		132	132	134	136	136	149				2	2	2	2	2

TABLE 19. NUMBER OF INJURIES, LOSI HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY	
	FATAL	PERMANENT		TEMPORARY	TOTAL	FATAL AND NON-FATAL	TOTAL INJURIES	FATAL	PERMANENT		TEMPORARY	TOTAL FATAL AND NON-FATAL	PERCENT PARTIAL	PERCENT TEMPORARY
		TOTAL	PARTIAL						TOTAL	PARTIAL				
FALL OF ROOF (UNDERGROUND MINES ONLY)														
FACE, NEC	1		2	2	2	8	6,000			15	47	15	47	8
EYE			9	9	9	14	1		4	16	4	16	4	
JAW			1	1	1	3	2		10	10	10	10	10	
MOUTH/TEETH/TONGUE			1	1	1	2	2							
NOSE			1	1	1	1	1							
SCALP			1	1	1	2	2							
SKULL			6	6	6	8	1							
FACE, NEC	1		17	17	18	36	6,000			38	38	38	38	6
HEAD, NEC	1		38	38	28	40	6,000			238	238	238	238	347
NECK			1	1	1	1	1			829	829	829	829	22
UPPER ARM			6	6	6	7	1			1	1	1	1	1
ELBOW			13	13	13	17	1			121	121	121	121	20
FOREARM			9	9	9	11	1			724	724	724	724	34
Wrist			31	31	31	48	1			302	302	302	302	34
Hand			43	43	45	65	26			517	517	517	517	17
FINGERS			21	21	20	26	1			1,448	1,448	1,448	1,448	20
UPPER EXTREMITIES, NEC	1	2	50	52	54	54	6,000			766	766	766	766	36
BACK	2		12	12	14	14	12,000			3	3	3	3	24
CHEST			4	4	4	4	4			25	25	25	25	5
PELVIC REGION			4	4	4	4	4			2	2	2	2	5
SHOULDERS			12	12	13	15	10			1,337	1,337	1,337	1,337	63
THIGH	1		10	10	10	24	6,000			1,400	1,400	1,400	1,400	40
HAUP, NEC			22	22	22	24	1			1,246	1,246	1,246	1,246	57
LOWER LEG			6	6	6	6	1			119	119	119	119	20
ANKLE			15	15	15	16	1			539	539	539	539	36
FOOT		1	37	37	4	39	1			1,557	1,557	1,557	1,557	43
TOE(S)			4	4	1	5	77			52	52	52	52	13
LOWER EXTREMITIES, NEC			29	29	29	27	120			1,390	1,390	1,390	1,390	46
MULTIPLE PARTS OF BODY	13		36	36	104	170	18,000			4,447	4,447	4,447	4,447	76
TOTAL OR AVERAGE	19	3	534	537	556	674	114,000			21,796	22,773	136,773	375	246
FIRE														
FACE, NEC			3	3	3	3	3			4	4	4	4	1
FOREARM			1	1	1	1	1			20	20	20	20	7
Wrist			1	1	1	1	1			32	32	32	32	11
Hand			3	3	3	4	1			6,010	6,010	6,010	6,010	203
UPPER EXTREMITIES, NEC	1		1	1	1	1	1			4	4	4	4	4
BACK			1	1	1	1	1			1	1	1	1	1
THIGH, NEC			1	1	1	1	1			72	72	72	72	36
FOOT			2	2	2	2	1			84	84	84	84	34
LOWER EXTREMITIES, NEC	1		4	4	5	6	6,000			161	161	161	161	40
MULTIPLE PARTS OF BODY	1		4	4	1	6	1			1	1	1	1	1
TOTAL OR AVERAGE	2		19	19	21	23	12,000			425	425	12,425	425	252

TABLE 19. NUMBER OF INJURED, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL TOLSON OPERATIONS IN THE UNITED STATES, 1987 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY		
	FATAL	NON-FATAL			TOTAL INJURIES	FATAL	NON-FATAL			TOTAL HOURS	PERMANENT PARTIAL	TOTAL FATAL AND NON-FATAL	
		TOTAL	PERMANENT	PARTIAL			TOTAL	PERMANENT	PARTIAL				
HAND/ING MATERIAL													
EAR		2	76		78		5	16		2		18	
EYE		2	2		4		1	3		2		3	
JAW		2	3		5		2	3		2		4	
MOUTH/TEETH/TONGUE		1	1		2		1	1		1		2	
NOSE		1	1		2		1	1		1		2	
SCALP		1	1		2		1	1		1		2	
FACE, NEC		1	1		2		1	1		1		2	
HEAD, NEC		1	1		2		1	1		1		2	
NECK		1	1		2		1	1		1		2	
UPPER ARM		1	1		2		1	1		1		2	
ELBOW		1	1		2		1	1		1		2	
FOREARM		1	1		2		1	1		1		2	
Wrist		1	1		2		1	1		1		2	
Hand		1	1		2		1	1		1		2	
Finger(s)		1	1		2		1	1		1		2	
UPPER EXTREMITIES, NEC		1	1		2		1	1		1		2	
ABDOMEN		1	1		2		1	1		1		2	
BACK		1	1		2		1	1		1		2	
NECK		1	1		2		1	1		1		2	
CHEST		1	1		2		1	1		1		2	
PELVIC REGION		1	1		2		1	1		1		2	
SHOULDER(S)		1	1		2		1	1		1		2	
THROAT, NEC		1	1		2		1	1		1		2	
THIGH		1	1		2		1	1		1		2	
KNEE		1	1		2		1	1		1		2	
LOWER LEG		1	1		2		1	1		1		2	
ANKLE		1	1		2		1	1		1		2	
FOOT		1	1		2		1	1		1		2	
TOE(S)		1	1		2		1	1		1		2	
LOWER EXTREMITIES, NEC		1	1		2		1	1		1		2	
BODY SYSTEMS		1	1		2		1	1		1		2	
MULTIPLE PARTS OF BODY		1	1		2		1	1		1		2	
UNCLASSIFIED		1	1		2		1	1		1		2	
TOTAL ON AVERAGE		81	3,668	3,750	4,444		3,750	3,750		177,408	136	44	

TABLE 19 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL LOCAL OPERATIONS IN THE UNITED STATES 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	MED			TOTAL FATAL AND MED	TOTAL INJURIES	FATAL	MED			TOTAL FATAL AND MED	TOTAL NEW PARTIAL	TEMP BODY	TOTAL FATAL AND MED			
		PERMANENT	TEMPORARY	TOTAL				PERMANENT	PARTIAL	TOTAL							
															TOTAL	PARTIAL	TOTAL
HAND TOOL		49			49	49							341		7		
EAR		8			8	8							151		19		
EYE		5			5	5							65		4		
JAW		1			1	1							4		13		
NOSE		16			16	16							334		21		
TOOTH/TEETH/TONGUE		13			13	13							115		36		
SCALP		2			2	2							54		27		
FACE NEC		23			23	23							871		38		
HEAD NEC		5			5	5							151		22		
NECK		23			23	23							302		22		
UPPER ARM		48			48	48							1 185		19		
FOREARM		153			153	153							2 853		12		
Wrist		7			7	7							236		8		
FINGER(S)		1			1	1							55		4		
UPPER EXTREMITIES, NEC		177			177	177							10 215		57		
ARM/ARM		18			18	18							416		23		
Wrist		10			10	10							306		23		
SHOULDER		33			33	33							2 095		63		
SHOULDER(S)		13			13	13							466		36		
TRUNK, NEC		17			17	17							338		20		
THIGH		33			33	33							875		27		
KNEE		13			13	13							696		54		
LOWER LEG		13			13	13							461		35		
ANKLE		26			26	26							410		16		
FOOT		3			3	3							69		23		
TOE(S)		18			18	18							506		28		
LOWER EXTREMITIES, NEC		32			32	32							1 862		56		
MULTIPLE PARTS OF BODY		7			7	7							26 279		32		
TOTAL OR AVERAGE					806	1 489	6 000						32 279	161	40		
NONPOUNDED VEHICLE																	
EYE		1			1	1							7		7		
JAW		1			1	1							7		7		
HAND		8			8	8							213		27		
FINGER(S)		1			1	1							46		46		
UPPER EXTREMITIES, NEC		21			21	21							1 828		87		
ARM/ARM		3			3	3							101		1		
BACK		2			2	2							134		67		
PELVIC REGION		1			1	1							38		38		
SHOULDER(S)		2			2	2							106		53		
TRUNK, NEC		1			1	1							6		6		
KNEE		1			1	1							2		2		
ANKLE		1			1	1							37		37		
FOOT		1			1	1							3		3		
LOWER EXTREMITIES, NEC		47			47	47							2 528		56		
MULTIPLE PARTS OF BODY		2			2	2							100		100		
TOTAL OR AVERAGE					44	54							2 528	50	56		

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, 1997 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	PERMANENT		TEMPORARY	TOTAL NFI	TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		TOTAL	PARTIAL	TOTAL				PARTIAL							
POWERED HULLAGE		8	8	8						475	475			52	52
EAR		29	29	29		2				84	84			3	3
EYE		3	3	3		20				126	126			42	42
JAW		6	6	6		15				17	17			3	3
MOUTH/TEETH/TONGUE		6	6	6		5				70	70			12	12
NOSE		8	8	8		8				86	86			11	11
FACE NEC		43	43	43		29				1,199	1,199			29	29
HEAD NEC		137	137	137		32				5,076	5,076			37	37
NECK	2						12,000			49	49			45	45
UPPER ARM		1	1	1		2				459	459			26	26
ELBOW		18	18	18		3				7,815	7,815			77	77
FOREARM		10	10	10		1				742	742		3,600	45	45
WRIST		15	15	15		18				1,096	1,096			30	30
HAND		36	36	36		55				2,410	2,410		136	38	38
FINGERS		63	63	63		33				10,721	10,721		4,500	51	51
UPPER EXTREMITIES, NEC		34	34	34		3				80	80			20	20
ARM/WRIST		4	4	4		4				19,221	19,221			63	63
BACK		304	304	304		23				1,155	1,155			24	24
CHEST	1					4	6,000			871	871		50	35	35
PELVIC REGION		49	49	49		6				993	993			31	31
SHOULDER(S)		25	25	25		3				2,479	2,479			56	56
TRUNK, NEC	2					3	12,000			129	129			14	14
THIGH		9	9	9		9				2,042	2,042			41	41
KNEE		50	50	50		2				10,112	10,112		3,000	93	93
LOWER LEG		12	12	12		4				1,040	1,040			52	52
ANKLE		20	20	20		3				2,391	2,391		750	46	46
FOOT		50	50	50		54				1,556	1,556			58	58
TOE(S)		1	1	1		3				3,562	3,562			70	70
LOWER EXTREMITIES, NEC		51	51	51		3				1	1			1	1
BODY SYSTEMS	1					32	6,000			13,310	13,310			70	70
MULTIPLE PARTS OF BODY	3					267	18,000			62,627	62,627			161	161
TOTAL OR AVERAGE	9		1,259	1,262	1,291	267	54,000			91,777	91,777	1,267		50	113
HOISTING															
EYE						2				1	1			1	1
HEAD NEC		1	1	1		1				54	54			4	4
FINGERS		1	1	1		1				59	59			20	20
BACK		1	1	1		3				5	5			2	2
TRUNK, NEC		3	3	3		6				5	5			7	7
TOTAL OR AVERAGE		3	3	3		6	6,000			1,701	1,701			90	90
IGNITION OR EXPLOSION OF GAS OR DUST															
EYE						1				1	1			1	1
FACE NEC						2				7	7			7	7
HEAD NEC	1					1				12,000	12,000			90	90
UPPER EXTREMITIES, NEC						2				1,713	1,713			74	74
THIGH						31									
BODY SYSTEMS	2					5									
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE	3		23	23	26	5	18,000			1,713	1,713			74	74

TABLE 19 NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT ALL TOTAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY								
	FATAL	NON-FATAL			TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	FATAL	NON-FATAL			TOTAL FATAL AND NON-FATAL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NON-FATAL							
		TOTAL	PERMANENT	PARTIAL				TOTAL	PERMANENT	PARTIAL					TOTAL						
INUNDATION	1					1	6,000							6,000	29		6,000	29		6,000	29
BODY SYSTEMS																					
MULTIPLE PARTS OF BODY	1					2	6,000														
TOTAL OR AVERAGE																					
MACHINERY																					
EAR		15	15		15	23															
EYE		126	126		126	250															
ARM		2	2		2	9															
MOUTH/TEETH/TONGUE		10	10		10	34															
NOSE		13	13		13	22															
SCALP		1	1		1	3															
SKULL	1					36		6,000													
FACE, NEC		12	12		12	59		6,000													
HEAD, NEC	1	30	30		30	12															
NECK		63	63		63	75															
UPPER ARM		5	5		5	26															
ELBOW		21	21		21	42															
FOREARM		27	27		27	42															
WRIST		28	28		28	36															
HAND		107	107		107	142															
FINGER(S)		246	246		246	359															
UPPER EXTREMITIES, NEC		43	43		43	57															
ABDOMEN		6	6		6	16															
BACK		188	188		188	198															
CHEST	1	24	24		24	27		6,000													
PELVIC REGION		26	26		26	31															
SHOULDER(S)		60	60		60	70															
THUMB, NEC	1	23	23		23	29		6,000													
THIGH		14	14		14	19															
KNEE		100	100		100	112															
LOWER LEG		25	25		25	38															
ANKLE		131	131		131	139															
FOOT		131	131		131	139															
TOE(S)		22	22		22	62															
LOWER EXTREMITIES, NEC		56	56		56	7															
BODY SYSTEMS	1	128	128		128	135		6,000													
MULTIPLE PARTS OF BODY																					
TOTAL OR AVERAGE	5	1,591	1,621	30	1,626	2,150	524	30,000	51,755	5,033	168			92,788	36						

TABLE 19 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL TOTAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI		
		TOTAL	PERMANENT	TEMPORARY				PERMANENT		TOTAL					TEMPORARY	TOTAL NFI
								TOTAL	PARTIAL							
SLIP OR FALL OF PERSON FACE EYE MOUTH, TEETH, TONGUE NOSE FACE, NEC HEAD, NEC NECK UPPER ARM ELBOW FOREARM WRIST HAND FINGER(S) UPPER EXTREMITIES, NEC ARM/SHOULDER BACK CHEST PELVIC REGION SHOULDER(S) THIGH, NEC THIGH KNEE LOWER LEG ANKLE FOOT TOES LOWER EXTREMITIES, NEC MULTIPLE PARTS OF BODY TOTAL ON AVERAGE	1 1															

TABLE 19. NUMBER OF INJURIES, LOSI WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY	
	FATAL	NFID			TOTAL FATAL AND NFID	TOTAL INJURIES	FATAL	NFID			TOTAL FATAL AND NFID	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFID
		PERMANENT	PARTIAL	TEMPO RARY				PERMANENT	PARTIAL	TOTAL FATAL AND NFID				
TOTAL OR AVERAGE														
EAR				25	35	45	80			723			21	21
EYE				322	322	354	676			1 789			6	6
ARM				15	15	27	42			429			29	29
MOU/H/LETH/LOWALF				31	31	119	150			142			5	5
NOSE				31	31	39	70			489			16	16
SCALP				3	3	5	8			102			34	34
SKULL					2		2			102			6 000	6 000
FACE				61	61	71	132			1 037			17	17
HEAD				157	156	164	342			6 364			258	258
NECK				428	429	429	505			15 124			36	36
UPPER ARM				20	20	6	26			1 127			600	600
FOREARM				166	166	182	198			6 032			360	360
WRIST				85	87	62	149			6 032			360	360
HAND				155	155	46	201			10 856			360	360
FINGER(S)				369	369	247	616			5 392			360	360
UPPER EXTREMITIES				866	917	889	1 805			10 713			171	171
LOWER EXTREMITIES				200	200	70	274			29 317			4 500	4 500
LEG				36	36	10	66			7 635			38	38
FOOT				3 330	3 335	2 768	3 613			16 635			140	140
TOE(S)				211	211	31	247			921			16	16
PELVIS				263	341	34	375			195 195			1 377	1 377
SHOULDER(S)				387	388	42	430			5 307			50	50
TRUNK				199	193	26	223			20 537			600	600
THIGH				73	73	30	103			11 162			600	600
KNEE				1 008	1 008	101	1 109			2 101			600	600
LOWER LEG				115	115	31	146			45 624			45 624	45 624
ANKLE				433	433	36	469			7 230			16 230	16 230
FOOT				443	446	47	483			11 567			3 000	3 000
LOWER EXTREMITIES				290	290	17	337			14 869			315	315
BODY SYSTEMS				46	46	14	70			1 030			345	345
MULTIPLE PARTS OF BODY				853	853	104	957			13 818			13 818	13 818
UNCLASSIFIED				4	4	4	4			1 403			61 403	61 403
TOTAL OR AVERAGE	54	1	138	10 698	10 857	10 911	324 000	6 000	51 157	458 749	515 906	839 906	324	43

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, 1991

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	
		PERMANENT	TOTAL					TEMPORARY	TOTAL						
			TOTAL	PARTIAL											
FALL OF FACE, RIB, SIDE OR HIGHWALL ANKLE		1	1	1						26		26	26		
TOTAL OR AVERAGE		1	1	1						26		26	26		
FALL OF ROOF (UNDER GROUND MINES ONLY) LOWER EXTREMITIES, NEC					1										
TOTAL OR AVERAGE					1										
HANDLING MATERIAL															
EYE		4	4	4	5					16		4	4		
HEAD, NEC		1	1	1	1					2		2	2		
NECK		2	2	2	1					65		37	37		
THROW															
HAND		2	2	2	2					53		26	26		
FINGERS(S)															
UPPER EXTREMITIES, NEC		1	1	1	1					62		62	62		
ARM/ARM		20	20	20	3					1,434		72	72		
BACK		1	1	1	1					3		3	3		
CHEST		5	5	5	6					114		13	13		
PELVIC REGION		1	1	1	1					15		15	15		
SHOULDER(S)		1	1	1	1					52		52	52		
THUMB, NEC		1	1	1	1					73		36	36		
KNIFE		2	2	2	2					21		21	21		
LOWER LEG		1	1	1	1					241		60	60		
LOWER EXTREMITIES, NEC		4	4	4	1					363		128	128		
MULTIPLE PARTS OF BODY		3	3	3	3					50		50	50		
TOTAL OR AVERAGE		1	48	49	17					2,534		52	52		
HAND TOOL															
EYE		2	2	2						8		4	4		
NOSE					1										
FACE, NEC		1	1	1						18		18	18		
HAND		2	2	2	1					128		64	64		
FINGERS(S)		2	2	2	3					37		18	18		
UPPER EXTREMITIES, NEC															
BACK		4	4	4	1					300		75	75		
CHEST		2	2	2	1					13		6	6		
SHOULDER(S)		1	1	1	1					10		10	10		
THIGH		1	1	1	1					53		53	53		
KNIFE		1	1	1	1					2		2	2		
MULTIPLE PARTS OF BODY		1	1	1	1					3		3	3		
TOTAL OR AVERAGE		17	17	17	9					572		34	34		

TABLE 15A NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT ANTHROPOLIS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI
		PERMANENT	TOTAL						TEMPO- RARY	TOTAL NFDI					
			TOTAL	PARTIAL											
NONPOWERED HAULAGE BACK		1	1	1	1	1			26	26	26		26	26	26
TOTAL OR AVERAGE		1	1	1	1	1			26	26	26		26	26	26
POWERED HAULAGE															
EYE															
NOSE															
MOUTH/TEETH/TONGUE															
NECK															
ELBOW															
ARTIST															
HAND															
FINGER(S)															
UPPER EXTREMITIES, NEC															
BACK															
KNIFE															
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE		1	13	14	14	3	17		4,500	5,082	4,500	4,500	45	70	363
MACHINERY															
EYE															
NOSE															
FACE, NEC															
HEAD, NEC															
NECK															
FINGER(S)															
UPPER EXTREMITIES, NEC															
BACK															
KNIFE															
ANKLE															
FOOT															
LOWER EXTREMITIES, NEC															
TOTAL OR AVERAGE		1	20	21	21	6	27		150	208	150	150	16	85	22

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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI
		PERMANENT	TEMPO RARY	TOTAL NFI					PERMANENT		TOTAL NFI				
									TOTAL	PARTIAL					
SLIP OR FALL OF PERSON						1								124	124
EYE						1								52	52
FOREARM						1								98	98
ARTIST						1								22	22
HAND						2								36	36
UPPER EXTREMITIES, NEC						2								39	39
BACK						11								119	119
PELVIS REGION						3								13	13
SHOULDER(S)						3								19	19
TRUNK, NEC						1								3	3
THIGH						7								22	22
KNEE						7								31	31
LOWER LEG						7								26	26
ANKLE						2								73	73
FOOT						8								37	37
LOWER EXTREMITIES, NEC						8								80	80
MULTIPLE PARTS OF BODY						49								19	19
TOTAL OR AVERAGE						49	49	6	55	1,810	37	50	137	27	27
STEPPING OR KNEELING ON OBJECT						1								80	80
HAND						1								19	19
FOOT						2								50	50
TOTAL OR AVERAGE						2	2	2	4	99	37	50	137	27	27
STRIKING OR BUMPING ON															
NOSE															
HEAD, NEC						1									
TOTAL OR AVERAGE						2									
OTHER INJURIES															
EYE															
FINGER(S)						3								1	1
KNEE						3								26	26
BODY SYSTEMS						1								108	108
MULTIPLE PARTS OF BODY						1								27	27
TOTAL OR AVERAGE						5	5	3	8	137	27	50	137	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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI		
		PERMANENT	TEMPO- RARY	TOTAL NFDI				TOTAL FATAL AND NFDI	TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL					TEMPO- RARY	TOTAL NFDI
TOTAL OR AVERAGE																
EAR					19	1				67		67		4	4	
EYE					19	28				16		16		16	16	
MOUTH/TEETH/TONGUE					1	1				18		18		18	18	
NOSE					1	3				2		2		2	2	
FACE, NEC					1	4				129		129		32	32	
HEAD, NEC					4	5				7		7		7	7	
NECK					1	1										
ELBOW					1	1										
FOREARM					1	1										
WRIST					1	3				124		124		124	124	
HAND					6	9				323		323		54	54	
FINGER(S)					11	17				357		357		21	21	
UPPER EXTREMITIES, NEC					4	6				4,701	150	4,851	150	67	67	
ABDOMEN					1	2				62		62		62	1,175	
BACK					42	46				2,349		2,349		56	56	
CHEST					3	4				16		16		5	5	
PETVIC REGION					8	8				137	50	187	50	20	23	
SHOULDER(S)					5	5				141		141		28	28	
TRUNK, NEC					2	2				171		171		86	86	
THIGH					2	2				66		66		33	33	
KNEE					13	13				299		299		23	23	
LOWER LEG					1	2				21		21		21	21	
ANKLE					8	10				48		48		6	6	
FOOT					4	7				117		117		29	29	
LOWER EXTREMITIES, NEC					7	9				379		379		54	54	
BODY SYSTEMS					14	15				1,148		1,148		82	82	
MULTIPLE PARTS OF BODY					14	49				6,048	4,700	10,748	1,567	39	68	
TOTAL OR AVERAGE					156	208										

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, 1991

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI		TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI	
		PERMANENT	TEMPO RARY	TOTAL NFI				PERMANENT						TOTAL NFI
								TOTAL	PARTIAL					
ELECTRICITY														
EYE		10	10	10	3	13		49	49	49		5	5	
FACE, NEC		2	2	2	2	4		17	17	17		8	8	
HEAD, NEC		3	3	3	3	3		25	25	25		8	8	
FOREARM		1	1	1	1	1		13	13	13		11	11	
WRIST		2	2	2	2	2		22	22	22		19	19	
HAND		33	33	33	3	36		612	612	612		12	12	
FINGER(S)		7	8	8	2	10		435	435	435	350	23	54	
UPPER EXTREMITIES, NEC		5	5	5	1	6		113	113	113		273	273	
BACK		1	1	1	1	2		1	1	1		1	1	
CHEST		1	1	1		1		384	384	384		128	128	
THIGH		3	3	3	3	3		102	102	102		51	51	
ANKLE		2	2	2	2	2		6	6	6		6	6	
FOOT		1	1	1	1	1		1,344	1,344	1,344		48	48	
BODY SYSTEMS	4	28	28	32	4	36	24,000	1,270	1,270	25,344		51	792	
MULTIPLE PARTS OF BODY		25	25	25	2	27		4,666	4,666	1,270	350	25	51	
TOTAL OR AVERAGE	4	124	125	129	18	147	24,000	4,316	4,666	28,666	350	35	222	
EXPLODING VESSEL														
UNDER PRESSURE														
EAR		1	1	1	1	1		3	3	3		3	3	
EYE		1	1	1	4	5		13	13	13		11	11	
FACE, NEC		2	2	2	2	2		22	22	22		11	11	
FOREARM		1	1	1	1	1		11	11	11		1	1	
WRIST		2	2	2	4	6		2	2	2		1	1	
HAND		2	2	2	2	2		199	199	199		100	100	
BACK		2	2	2	2	2		38	38	38		38	38	
KNEE		1	1	1	2	2		119	119	119		119	119	
LOWER LEG		1	1	1	1	1		2	2	2		1	1	
LOWER EXTREMITIES, NEC		2	2	2	2	2		9	9	9		2	2	
BODY SYSTEMS		4	4	4	4	4		418	418	418		25	25	
MULTIPLE PARTS OF BODY		17	17	17	11	28								
TOTAL OR AVERAGE		17	17	17	11	28								
EXPLOSIVE AND BREAKING														
AGENT														
EYE		1	1	1	1	1		2	2	2		2	2	
MOUTH/TEETH/TONGUE		1	1	1	1	1		3	3	3		3	3	
FACE, NEC		1	1	1	1	1		4	4	4		2	2	
HEAD, NEC		2	2	2	2	2		1	1	1		1	1	
NECK		1	1	1	1	1		145	145	145		145	145	
HAND		1	1	1	1	1		72	72	72		72	72	
UPPER EXTREMITIES, NEC		1	1	1	1	1		60	60	60		60	60	
BACK		1	1	1	1	1		5,000	5,000	5,000		56	56	
ANKLE		1	1	1	1	1		12,168	12,168	12,168		56	56	
FOOT		3	3	3	5	5	6,000	455	455	6,000		41	41	
BODY SYSTEMS	1	3	3	5	5	5	18,000			18,455		41	1,318	
MULTIPLE PARTS OF BODY	2	11	11	14	4	18								
TOTAL OR AVERAGE	3	11	11	14	4	18								

TABLE 1B: NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT BLUENTHUS COAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI				TOTAL FATAL AND NFI	NDI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI
		PERMANENT		TEMPO RARY	PERMANENT					TEMPO RARY	TOTAL NFI					
		TOTAL	PARTIAL		TOTAL							PARTIAL				
FALLING, ROLLING, OR SLIDING MATERIAL		1	1	1	1	1		1					4		4	4
EYE		1	1	1	1	1		1					5		5	5
FACE, NEC.		1	1	1	1	1		2					3		3	3
HEAD, NEC.		1	1	1	1	1		1					8		8	8
NECK		1	1	1	1	1		1					18		18	18
ELBOW		1	1	1	1	1		1					53		53	53
HAND		2	2	2	2	2		3					35		35	35
FINGER(S)		3	3	3	3	3		3					137		137	137
BACK		1	1	1	1	1		1					1		1	1
CHEST		1	1	1	1	1		1					105		105	105
SHOULDER(S)		1	1	1	1	1		1					25		25	25
KNEE		2	2	2	2	2		2					67		67	67
LOWER LEG		1	1	1	1	1		1					57		57	57
FOOT		1	1	1	1	1		1					97		97	97
TOE(S)		1	1	1	1	1		1					116		116	116
LOWER EXTREMITIES, NEC.	2					5		5					12,000		12,000	12,116
MULTIPLE PARTS OF BODY		21	21	21	21	23	3	26					731		731	12,731
TOTAL OR AVERAGE	2	21						26							35	554
FALL OF FACE, RIB, SIDE OR HIGHWALL		1	1	1	1	1		2					2		2	2
EYE		5	5	5	5	5		8					190		190	190
MOUTH/TEETH/TONGUE		3	3	3	3	3		4					30		30	30
HEAD, NEC.		1	1	1	1	1		1					188		188	188
NECK		1	1	1	1	1		1					2		2	2
UPPER ARM		4	4	4	4	4		5					77		77	77
ELBOW		1	1	1	1	1		1					2		2	2
HAND		5	5	5	5	5		6					265		265	265
FINGER(S)		24	24	24	24	24		24					1,972		1,972	1,972
UPPER EXTREMITIES, NEC.		4	4	4	4	4		4					84		84	84
BACK		1	1	1	1	1		1					52		52	52
CHEST		6	6	6	6	6		6					880		880	880
PELVIC REGION		8	8	8	8	8		9					1,206		1,206	1,206
SHOULDER(S)		1	1	1	1	1		1					15		15	15
TRUNK, NEC.		4	4	4	4	4		4					310		310	310
THIGH		5	5	5	5	5		5					983		983	983
KNEE		6	6	6	6	6		6					100		100	100
LOWER LEG		14	14	14	14	16		17					1,408		1,408	1,408
ANKLE		2	2	2	2	2		2					155		155	155
FOOT		10	10	10	10	10		10					465		465	465
TOE(S)		21	21	21	21	23		23					1,280		1,280	1,280
LOWER EXTREMITIES, NEC.	2					1		1					5		5	5
MULTIPLE PARTS OF BODY UNCLASSIFIED		131	133	133	135	135	13	148					9,923		9,923	21,673
TOTAL OR AVERAGE	2	2						148							68	161

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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI			
		PERMANENT		TEMPO RARY					TOTAL NFDI		PERMANENT					TEMPO RARY	TOTAL NFDI	
		TOTAL	PARTIAL						TOTAL	PARTIAL								
FALL OF ROOF (UNDER GROUND MINES ONLY)																		
EAR				2	2	2	6	8			15	15	15		8	8		
EYE				9	9	9	5	14			47	47	47		5	5		
JAW							1	1										
MOUTH/TEETH/TONGUE				1	1	1	2	3			4	4	4		4	4		
NOSE				2	2	2	5	7			16	16	16		8	8		
SCALP				1	1	1	1	2			10	10	10		10	10		
SKULL	1							1	6,000				6,000			6,000		
FACE, NEC				6	6	6	2	8			38	38	38		6	6		
HEAD, NEC	1			17	17	18	18	36	6,000		238	238	6,238		14	347		
NECK				38	38	38	2	40			829	829	829		22	22		
UPPER ARM				1	1	1	1	2			1	1	1		1	1		
ELBOW				6	6	6	1	7			121	121	121		20	20		
FOREARM				13	13	13	4	17			724	724	724		56	56		
WRIST				9	9	9	2	11			302	302	302		34	34		
HAND				31	31	31	17	48			517	517	517		17	17		
FINGER(S)			2	43	45	45	20	65		600	848	1,448	1,448	300	20	32		
UPPER EXTREMITIES, NEC	1			21	21	22	4	26	6,000		766	766	6,766		36	308		
BACK				50	50	50	4	54			3,655	3,655	3,655		73	73		
CHEST	2			12	12	14		14	12,000		293	293	12,293		24	878		
PELVIC REGION				4	4	4		4			25	25	25		6	6		
SHOULDER(S)				42	42	42	2	44			2,637	2,637	2,637		63	63		
TRUNK, NEC	1			12	12	13	2	15	6,000		1,337	1,337	7,337		111	564		
THIGH				10	10	10		10			400	400	400		40	40		
KNEE				22	22	22	2	24			1,246	1,246	1,246		57	57		
LOWER LEG				6	6	6		6			119	119	119		20	20		
ANKLE				15	15	15	1	16			539	539	539		36	36		
FOOT			1	36	37	37	2	39		375	1,182	1,557	1,557	375	33	42		
TOE(S)				4	4	4	1	5			52	52	52		13	13		
LOWER EXTREMITIES, NEC				25	25	25	1	26			1,390	1,390	1,390		56	56		
MULTIPLE PARTS OF BODY	13			96	96	109	11	120	78,000		4,447	4,447	82,447		46	756		
TOTAL OR AVERAGE	19		3	534	537	556	117	673	114,000		975	21,798	22,773	136,773	325	41	246	
FIRE																		
FACE, NEC				3	3	3		3			4	4	4		1	1		
FOREARM				1	1	1		1			7	7	7		7	7		
WRIST				1	1	1		1			50	50	50		50	50		
HAND				3	3	3	1	4			32	32	32		11	11		
UPPER EXTREMITIES, NEC	1			2	2	3		3	6,000		10	10	6,010		5	2,003		
BACK				1	1	1		1			4	4	4		4	4		
TRUNK, NEC				1	1	1		1			1	1	1		1	1		
FOOT				2	2	2		2			72	72	72		36	36		
LOWER EXTREMITIES, NEC				1	1	1		1			84	84	84		84	84		
MULTIPLE PARTS OF BODY	1			4	4	5	1	6	6,000		161	161	6,161		40	1,232		
TOTAL OR AVERAGE	2			19	19	21	2	23	12,000		425	425	12,425		22	592		

TABLE 198. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALLUPTIOUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY							
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI				
		PERMANENT	TEMPO RARY	TOTAL NFI				TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI								
															TOTAL	PARTIAL	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI
HANDLING MATERIAL																		
EAR					5	7					95		19					
EYE					72	106					294		4					
JAW					2	7					6		3					
MOUTH/TONGUE					3	36					12		4					
NOSE					1	6					16		16					
SCALP					7	7					173		25					
FACE, NEC					19	29					296		156					
HEAD, NEC					58	9					2,857	2,400	32					
NECK					8	10					523	600	49					
UPPER ARM					55	10					2,401		65					
ELBOW					16	16					367		44					
FOREARM					46	11					1,796		22					
WRIST					77	86					1,855		36					
HAND					313	356					7,953	176	34					
FINGERS					38	3					1,172		20					
UPPER EXTREMITIES, NEC					1,999	169					584		15					
ABDOMEN					38	3					111,013	159	56					
BACK					38	2					1,563		33					
CHEST					208	16					7,836		41					
PELVIC REGION					123	14					6,913	56	32					
SHOULDER(S)					39	7					1,953	600	56					
THUMB, NEC					5	2					8,314		50					
THIGH					189	16					561		44					
KNEE					15	4					3,515		37					
LOWER LEG					33	3					1,789		41					
ANKLE					100	10					1,789		35					
FOOT					12	5					18		10					
TOE(S)					51	2					6,908		35					
LOWER EXTREMITIES, NEC					121	18					174		16					
BODY SYSTEMS					1	977					107		57					
MULTIPLE PARTS OF BODY UNCLASSIFIED					3,701	3,701					150,330		48					
TOTAL OR AVERAGE					3,701	977					174,874	107	44					

TABLE 13B 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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	
		TOTAL	PERMANENT	PARTIAL				TOTAL	PERMANENT	PARTIAL					
HAND, FOOT															
EAR															
EYE															
JAW															
MOUTH/TEETH/TONGUE															
NOSE															
SCALP															
FACE, NEC															
HEAD, NEC															
NECK															
UPPER ARM															
ELBOW															
FOREARM															
WRIST															
HAND															
FINGERS															
UPPER EXTREMITIES, NEC															
ARM/SHOULDER															
BACK															
DECK															
PRIVATE REGION															
SHOULDER(S)															
TRUNK, NEC															
THIGH															
KNEE															
LOWER LEG															
ANKLE															
FOOT															
TOE(S)															
LOWER EXTREMITIES, NEC															
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE	1	781	788	789	789	674	6,000	1,125	24,382	25,707	151	31	31,707		40
NONWORKED HOURS															
EYE															
JAW															
HAND															
FINGERS															
UPPER EXTREMITIES, NEC															
ARM/SHOULDER															
BACK															
PRIVATE REGION															
SHOULDER(S)															
TRUNK, NEC															
KNEE															
ANKLE															
FOOT															
TOE(S)															
LOWER EXTREMITIES, NEC															
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE		41	43	43	43	10		100	2,402	2,502	50	59	2,502		58

TABLE 198. NUMBER OF INJURIES, LOSS WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT BILLYMANS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOSS WORKDAYS					AVERAGE SEVERITY		
	FATAL	NONFATAL		TOTAL FATAL AND NONFATAL	TOTAL INJURIES	FATAL	NONFATAL		TOTAL FATAL AND NONFATAL	PERMANENTLY PARTIAL	TEMPORARY	TOTAL FATAL AND NONFATAL	TOTAL FATAL AND NONFATAL
		PERMANENT	TEMPORARY				PERMANENT	TEMPORARY					
POWERED HAND AGE													
FACE													
ARM													
TOOTH/TEETH/TONGUE													
NOSE													
FACE, NEC													
HEAD, NEC													
NECK													
UPPER ARM													
ELBOW													
FOREARM													
WRIST													
HAND													
FINFERS													
UPPER EXTREMITIES, NEC													
ABDOMEN													
BACK													
CHEST													
PELVIC REGION													
SHOULDER													
THIGH, NEC													
THIGH													
KNEE													
LOWER LEG													
ANKLE													
FOOT													
TOE													
LOWER EXTREMITIES, NEC													
BODY SYSTEMS													
MULTIPLE PARTS OF BODY													
TOTAL OR AVERAGE													
HOUSING													
EYE													
HEAD, NEC													
FINFERS													
BACK													
THIGH, NEC													
TOTAL OR AVERAGE													
IGNITION OR EXPLOSION OF GAS OR DUST													
EYE													
FACE, NEC													
HEAD, NEC													
UPPER EXTREMITIES, NEC													
THIGH													
BODY SYSTEMS													
MULTIPLE PARTS OF BODY													
TOTAL OR AVERAGE													

TABLE 19B. NUMBER OF INJURIES, LOSI HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY				
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	NFI	TOTAL FATAL AND NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERM NFI PARTIAL	TEMP BODY	TOTAL FATAL AND NFI	
		PERMANENT	TEMP BODY	TOTAL NFI						PERMANENT		TEMP BODY					TOTAL NFI
										TOTAL	PARTIAL						
1		15	116	131	1	8	122	115	1	6 000			6 000	29	29	6 000	
1		2	10	12	2	24	26	10	2	6 000			6 000	29	29	6 000	
1		1	1	1	1	2	3	1	1	6 000			6 000	88	88	6 000	
1		12	30	42	12	35	47	12	23	6 000			6 000	329	329	6 000	
1		3	21	24	3	11	14	3	11	6 000			6 000	2 733	2 733	6 000	
		21	21	21	21	5	26	21	23	6 000			6 000	818	818	6 000	
		28	28	28	28	15	42	28	15	6 000			6 000	1 236	1 236	6 000	
		107	107	107	107	35	142	107	35	6 000			6 000	4 129	4 129	6 000	
		24	24	24	24	128	394	24	128	6 000			6 000	10 713	10 713	6 000	
		42	42	42	42	14	56	42	14	6 000			6 000	2 094	2 094	6 000	
		6	6	6	6	6	6	6	6	6 000			6 000	87	87	6 000	
		187	187	187	187	10	197	187	10	6 000			6 000	10 502	10 502	6 000	
		34	34	34	34	2	77	34	2	6 000			6 000	594	594	6 000	
		25	25	25	25	5	31	25	5	6 000			6 000	872	872	6 000	
		60	60	60	60	10	70	60	10	6 000			6 000	2 228	2 228	6 000	
		23	23	23	23	4	29	23	4	6 000			6 000	1 991	1 991	6 000	
		14	14	14	14	5	19	14	5	6 000			6 000	238	238	6 000	
		99	99	99	99	12	111	99	12	6 000			6 000	3 812	3 812	6 000	
		25	25	25	25	3	28	25	3	6 000			6 000	1 703	1 703	6 000	
		35	35	35	35	8	138	35	8	6 000			6 000	1 594	1 594	6 000	
		130	130	130	130	5	61	130	5	6 000			6 000	4 336	4 336	6 000	
		22	22	22	22	6	7	22	6	6 000			6 000	679	679	6 000	
		5	5	5	5	2	135	5	2	6 000			6 000	2 622	2 622	6 000	
		128	128	128	128	6	135	128	6	6 000			6 000	5 633	5 633	6 000	
5		1,571	1,600	1,605	1,605	518	2,123	1,605	518	30 000	4,883	57,443	62,326	168	37	92,326	

TABLE 19B NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT ALL MINING AND QUARRYING OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	METH			TOTAL FATAL AND METH	NOT INJURED	TOTAL INJURIES	FATAL	METH			TOTAL FATAL AND METH	METH NEW PARTIAL	TEMPO ROCKY	TOTAL FATAL AND METH
		PERMANENT	TOTAL	PARTIAL					PERMANENT	TOTAL	PARTIAL				
SUPT. OR FALL OF PERSON		1	1		1	3	4		1			1	1	10	4
EYE		2	2		2	4	1		19			19	10	4	4
MOUHA/TEETH/TONGUE		2	2		2	1	3		9			9	22	33	33
NOSE		2	2		2	2	4		44			44	52	52	176
FACE, NEC		16	16		16	13	29		532			532	176	32	32
HEAD, NEC		20	20		20	2	22		1,046			1,046	20	40	73
NECK		20	20		20	2	22		176			176	20	40	73
UPPER ARM		1	1		1	8	48		1,281			1,281	20	40	73
ELBOW		40	40		40	4	44		520			520	20	40	73
FOREARM		13	13		13	4	17		936			936	20	40	73
Wrist		27	27		27	8	35		960			960	20	40	73
Hand		22	22		22	25	47		625			625	20	40	73
FINGER(S)		23	23		23	9	32		1,010			1,010	20	40	73
UPPER EXTREMITIES, NEC		2	2		2	2	4		53			53	20	40	73
ARMOR		451	453		453	43	496		26,460	4,680		31,140	20	40	73
BACK		62	62		62	15	77		1,073			1,073	20	40	73
CHEST		44	44		44	2	46		1,667	300		1,967	20	40	73
PELVIC REGION		74	74		74	7	81		4,176			4,176	20	40	73
SHOULDER(S)		48	48		48	7	55		2,101			2,101	20	40	73
THIGH, NEC		10	10		10	10	20		281			281	20	40	73
KNEE		455	455		455	44	499		21,809			21,809	20	40	73
LOWER LEG		20	20		20	11	31		1,941			1,941	20	40	73
ANKLE		234	234		234	20	254		4,821			4,821	20	40	73
FOOT		40	40		40	5	45		1,371			1,371	20	40	73
TOE(S)		7	7		7	8	15		79			79	20	40	73
LOWER EXTREMITIES, NEC		62	62		62	11	73		2,515			2,515	20	40	73
MULTIPLE PARTS OF BODY		168	168		168	19	188	5,000	13,458			19,458	20	40	73
TOTAL OR AVERAGE	1	1,884	1,887		1,887	263	2,150	5,000	88,564	4,980		93,544	622	47	53
STEEPING OR KNEELING ON OBJECT															
EYE		1	1		1	1	2		4			4	4	7	7
HEAD, NEC		1	1		1	1	2		7			7	7	7	7
ARIST		12	12		12	1	13		361			361	15	52	6
FINGER(S)		1	1		1	1	2		15			15	52	52	176
BACK		99	99		99	11	110		5,117			5,117	20	40	73
PELVIC REGION		64	64		64	7	71		1,250			1,250	20	40	73
TRUNK, NEC		32	32		32	11	43		475			475	20	40	73
KNEE		2	2		2	2	4		233			233	20	40	73
ANKLE		7	7		7	1	8		4			4	20	40	73
FOOT		2	2		2	1	3		7,526			7,526	20	40	73
TOE(S)		222	222		222	35	257						20	40	73
LOWER EXTREMITIES, NEC													20	40	73
MULTIPLE PARTS OF BODY													20	40	73
TOTAL OR AVERAGE

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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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI	
		PERMANENT		TOTAL					TEMPO- RARY	TOTAL NFI						
		TOTAL	PARTIAL													
STRIKING OR BUMPING																
EAR		3		3	3	13					21		7	7		
EYE		5		5	5	7					12		2	2		
MOUTH/TEETH/TONGUE						1										
NOSE		2		2	2	3					8		4	4		
SCALP						1										
FACE, NEC						1										
HEAD, NEC		3		3	3	12					133		44	44		
NECK		85		85	85	21					2,838		33	33		
ELBOW		1		1	1	3					61		61	61		
HAND						4					4		4	4		
FINGER(S)						1										
BACK		8		8	8	2					383		48	48		
SHOULDER(S)		5		5	5	10					535		107	107		
KNEE		5		5	5	5					90		18	18		
LOWER LEG		1		1	1	1					2		2	2		
FOOT		1		1	1	1					39		39	39		
TOE(S)		1		1	1	2					4		4	4		
LOWER EXTREMITIES, NEC		17		17	17	5					717		42	42		
MULTIPLE PARTS OF BODY		138		138	138	72					4,847		35	35		
TOTAL OR AVERAGE						210										
OTHER INJURIES																
EYE		11		11	11	26					19		2	2		
MOUTH/TEETH/TONGUE						1										
FACE, NEC		1		1	1	1					2		2	2		
HEAD, NEC		3		3	3	3					74		25	25		
NECK		8		8	8	8					120		15	15		
UPPER ARM		1		1	1	2					108		108	108		
ELBOW						2					128		64	64		
WRIST		2		2	2	1										
HAND						7					211	100	22	35		
FINGER(S)		5		5	5	1										
UPPER EXTREMITIES, NEC		58		58	58	4					2,410		42	42		
BACK		1		1	1	4	6,000				124		124	124		
CHEST		1		1	1	1					41		41	41		
PELVIC REGION		1		1	1	1					310		310	310		
SHOULDER(S)		6		6	6	6					38		19	19		
TRUNK, NEC		2		2	2	4					1,575		43	43		
THIGH		37		37	37	4					19		10	10		
KNEE		2		2	2	2					115		115	115		
LOWER LEG		1		1	1	1					178		89	89		
ANKLE		2		2	2	4	6,000				6,012		2	2		
FOOT		7		7	7	8					188		38	38		
BODY SYSTEMS		5		5	5	2					123		62	62		
MULTIPLE PARTS OF BODY		2		2	2	2					17,795	100	37	113		
UNCLASSIFIED																
TOTAL OR AVERAGE						213										

TABLE 198. NUMBER OF INJURIES, LOSI WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT BLINDFOLDING COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	
		PERMANENT		TEMPORARY					PERMANENT		TEMPORARY						
		PERMANENT	PARTIAL						PERMANENT	PARTIAL							
TOTAL OR AVERAGE	54	1	155	10 547	10 698	10 752	3 064	13 816	324 000	6 000	46 457	452 701	505 158	879 158	300	43	77
FACE																	
EYE																	
ARM																	
MOUTH/TEETH/TONGUE																	
NOSE																	
SCALP																	
SKULL	2																
FACE, NFI																	
HEAD, NFI	6																
NECK																	
UPPER ARM																	
FOREARM																	
WRIST																	
HAND																	
FINGER/ST																	
UPPER EXTREMITIES, NFI	2																
ABDOMEN																	
BACK																	
CHEST																	
PELVIC REGION	5																
SHOULDER																	
TRUNK, NFI	4																
THIGH																	
KNEE																	
LOWER LEG																	
ANKLE																	
FOOT																	
LOSER EXTREMITIES, NFI	10																
BODY SYSTEMS	25																
MULTIPLE PARTS OF BODY																	
UNCLASSIFIED																	
TOTAL OR AVERAGE	54	1	155	10 547	10 698	10 752	3 064	13 816	324 000	6 000	46 457	452 701	505 158	879 158	300	43	77

TABLE 20. NUMBER OF INQUIRIES, LOSI WORKDAYS, AND AVERAGE SEVERITY BY OFFICE FOR ACCIDENT CLASSIFICATION AND NATURE OF INQUIRY AT ALL LOCAL OPERATIONS IN THE UNITED STATES, 1991

ACCIDENT CLASSIFICATION AND NATURE OF INQUIRY	NUMBER OF INQUIRIES						LOSI WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFI			TOTAL FATAL AND NFI	NOI	TOTAL INQUIRIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI		
		PERMANENT		TEMPORARY					NFI								
		TOTAL	PARTIAL						TOTAL	PARTIAL							
ELECTRICAL																	
ASPHYXIATION/DROWNING		1															
BURN/SCALD (NOT CHEM)				3	1	3	1	4									
CHEMICAL BURN				11	11	11	1	13									
CONCUSSION (TEMPORAL)				3	3	3	2	5									
CUT OR PUNCTURE				1	1	1	1	1									
ELECTRIC SHOCK				2	2	2	1	3									
ELECTRIC CONTACT				24	24	24	3	31									
FRACTURE				19	19	19	19	19									
POISONING (SYSTEMIC)				1	1	1	1	1									
RADIATION/CUTRA VIOLET				52	52	52	6	60									
STRAIN/SPRAIN				3	3	3	1	4									
MULTIPLE INJURIES				4	4	4	4	4									
TOTAL OR AVERAGE	4	1		124	125	129	18	147	24,000	300		4,316	4,666	28,666	300	35	222
EXPLODING VESSEL																	
UNDER PRESSURE																	
ASPHYXIATION/DROWNING				1	1	1	3	1									
BURN/SCALD (NOT CHEM)				6	6	6	1	9									
CHEMICAL BURN																	
CONCUSSION OR BRUISE				3	3	3	1	4									
CUT OR PUNCTURE				2	2	2	2	6									
DUST IN EYE																	
POISONING (SYSTEMIC)				1	1	1	1	1									
STRAIN/SPRAIN				2	2	2	2	2									
MULTIPLE INJURIES				1	1	1	1	1									
OTHER INQUIRY, NEC				1	1	1		1									
TOTAL OR AVERAGE				17	17	17	11	28				418	418	418		25	25
EXPLOSIVE AND BOMBING																	
AGNI																	
BURN/SCALD (NOT CHEM)				1	1	1	1	1									
CONCUSSION OR BRUISE				1	1	1	2	5									
CUT OR PUNCTURE				2	2	2	3	1									
ELECTRIC SHOCK																	
FRACTURE				2	2	2	1	3									
MULTIPLE INJURIES				2	2	2		2									
OTHER INQUIRY, NEC																	
TOTAL OR AVERAGE	3			11	11	14	4	18	18,000			455	455	18,455		41	1,318

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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI
		PERMANENT	TEMPO- RARY	TOTAL NFDI					PERMANENT	TEMPO- RARY	TOTAL NFDI				
FALLING, ROLLING, OR SLIDING MATERIAL CONCUSSION OR BRUISE CUT OR PUNCTURE DISLOCATION DUST IN EYE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	2	6 3 1 1 3 4 1 2	6 3 1 3 4 1 2	8 3 1 3 4 1 2	23	26	12,000	76 26 105 4 215 156 1 148 731	76 26 105 4 215 156 1 148 731	12,076 26 105 4 215 156 1 148 731	13 9 105 4 72 39 1 74 35	1,510 105 4 72 39 1 74 554			
FALL OF FACE, RIB, SIDE OR HIGHWALL CONCUSSION OR BRUISE CUT OR PUNCTURE DISLOCATION FRACTURE SCRATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	1	52 6 1 28 1 17 16 11	54 6 1 28 1 17 16 11	55 6 1 28 1 17 17 11	136	149	6,000	2,924 125 6 2,904 63 1,506 622 799 8,949	2,924 125 6 2,904 63 1,506 622 799 8,949	9,674 125 6 2,904 63 1,506 622 799 9,699	56 21 6 104 63 53 89 39 73 68	176 21 6 104 63 53 89 39 73 160			
FALL OF ROOF (UNDER GROUND MINES ONLY) AMPUTATION/AVULSION CONCUSSION (CEREBRAL) CONCUSSION OR BRUISE CUT OR PUNCTURE DUST IN EYE ELECTRIC BURN (CONTACT) FRACTURE SCRATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC. UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	4	179 66 3 1 73 6 62 91 4 48	179 66 3 1 74 6 62 91 4 48	183 66 3 1 76 6 62 104 4 48	2	2	24,000	600 62 6,413 1,007 32 4,662 24 3,659 3,680 99 2,155 21,798	600 62 6,413 1,007 32 4,662 24 3,659 3,680 99 2,155 21,798	600 62 30,413 1,007 5 32 17,037 5 32 17,037 24 3,659 81,680 99 2,155 22,773	300 62 36 15 2 32 64 4 59 40 25 45 41	300 62 166 15 2 32 224 4 59 785 25 45 246			
FIRE BURN/SCALD (NOT CHEM.) FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE	2	13 2 2 2	13 2 2 2	15 2 2 2	556	674	12,000	214 140 5 66 425	214 140 5 66 425	12,214 140 5 66 425	16 70 2 33 22	814 70 2 33 592			

TABLE 20 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT ALL LOCAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	
		PERMANENT	TEMPORARY					TOTAL	PARTIAL	TEMPORARY					TOTAL NFI
			TOTAL	PARTIAL											
HANDLING MATERIAL		12	1		13	12			1,560			134		1,560	
AMPUTATION/ENUCLEATION			6		6	12								12	
ASPHALTATION/GRADING			22		22	43								43	
BURN/SCALD (NOT CHEM.)			293		293	48								48	
CHEMICAL BURN			179		180	410								410	
CONCUSSION OR BRUISE		1			1	3								3	
CUT OR PUNCTURE			3		3	3								3	
DERMATITIS			12		12	14								14	
DISLOCATION			19		19	38								38	
DUST IN EYE			173		173	118								118	
FRACTURE		63			63	72								72	
HERNIA (NOT DISC.)			2		2	2								2	
POISONING (SYSTEMIC)			1		1	4								4	
RADIATION (ULTRA VIOLET)			12		12	23								23	
SCALD/ABRASION			2,708		2,713	2,954								2,954	
STRAIN/SPRAIN		1			1	61								61	
MULTIPLE INJURIES			126		127	188								188	
OTHER INJURY, NEC			34		34	12								12	
UNCLASSIFIED (NO DATA)			68		68	90								90	
TOTAL OR AVERAGE		81	3,668	3,750	3,750	994						106	44	177,408	
HAND TOOL		3			3	3								3	
AMPUTATION/ENUCLEATION			7		7	12								12	
CHEMICAL BURN			120		120	45								45	
CONCUSSION OR BRUISE			177		177	483								483	
CUT OR PUNCTURE			1		1	3								3	
DISLOCATION			10		10	19								19	
DUST IN EYE			83		83	83								83	
FRACTURE		3			3	176								176	
HERNIA (NOT DISC.)			4		4	4								4	
SCALD/ABRASION			1		1	6								6	
STRAIN/SPRAIN		1			1	312								312	
MULTIPLE INJURIES			57		57	44								44	
OTHER INJURY, NEC			6		6	8								8	
UNCLASSIFIED (NO DATA)			29		29	38								38	
TOTAL OR AVERAGE		7	798	805	805	683						161	32	177,408	
NONPOWERED HAULAGE			6		6	6								6	
CONCUSSION OR BRUISE			6		6	10								10	
CUT OR PUNCTURE			2		2	3								3	
FRACTURE						30								30	
HERNIA (NOT DISC.)		2			2	3								3	
STRAIN/SPRAIN			27		27	1								1	
MULTIPLE INJURIES			1		1	1								1	
UNCLASSIFIED (NO DATA)			1		1	1								1	
TOTAL OR AVERAGE		2	42	44	44	10						50	58	177,408	

TABLE 20 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT ALL TOTAL OPERATIONS IN THE UNITED STATES 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	NFI	FATAL	PERMANENT		TOTAL NFI	TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI	
		TOTAL		PARTIAL												
		TOTAL	PARTIAL													
1	21	21	1	21	21	1	6,000	29,050	1	29,050	1,383	1	1,383	6,000	1,383	
POWDER HAULAGE ASPHYXIATION/DROWNING BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONCUSSION (CEREBRAL) CONCUSSION OR BRUISE CUT OR PUNCTURE DISLOCATION DUST IN EYE FRACTURE HERNIA (NOT DISC) POISONING (SYSTEMIC) RADIATION/AIR TRA VIOLENT SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA)	5	248 73 8 8 153 2 1 1 1 12 489 140 20 95	248 73 8 8 153 2 1 1 1 12 489 143 20 95	33 82 8 8 26 1 1 1 5 52 24 3 19	21 1 3 3 253 73 8 8 153 2 1 1 1 12 489 143 20 95	21 1 3 3 253 73 8 8 153 2 1 1 1 12 489 143 20 95	21 1 3 3 253 73 8 8 153 2 1 1 1 12 489 143 20 95	6,000	29,050	1	29,050	1,383	1	1,383	6,000	1,383
TOTAL OR AVERAGE	9	23	1,298	267	1,291	1,558	54,000	29,150	62,627	91,777	145,777	1,267	50	113	6,000	113
HOISTING CONCUSSION OR BRUISE CUT OR PUNCTURE STRAIN/SPRAIN		1 1 1 3	1 1 1 3	1 3 1 3	1 1 1 3	1 4 1 6			4 1 54 59	4 1 54 59	4 1 54 59		4 1 54 20	4 1 54 20	6,000 6,000 6,000 758	4 1 54 20
IGNITION OR EXPLOSION OF GAS OR DUST ASPHYXIATION/DROWNING BURN/SCALD (NOT CHEM.) CONCUSSION OR BRUISE MULTIPLE INJURIES	2 1 3	22 1 23	22 1 23	4 1 5	2 22 26	2 26 31	12,000 6,000 18,000		1,688 25 1,713	1,688 25 1,713	12,000 1,688 6,000 19,713		77 25 74	77 25 74	6,000 6,000 6,000 758	77 25 74
TOTAL OR AVERAGE	1	1	1	1	1	1	6,000		29	29	6,000		29	29	6,000	29
INUNDATION ASPHYXIATION/DROWNING MULTIPLE INJURIES	1	1	1	2	2	2	6,000		29	29	6,029		29	29	6,000	3,014
TOTAL OR AVERAGE	1	1	1	2	2	2	6,000		29	29	6,029		29	29	6,000	3,014

TABLE 20. NUMBER OF INJURIES, LOSI WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT ALL TOTAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACTION: CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOSI WORKDAYS						AVERAGE SEVERITY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		PERMANENT		TOTAL NFI				PERMANENT		TOTAL NFI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		TOTAL	PARTIAL					TOTAL	PARTIAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
MACHINERY AMPUTATION/ENGULFMENT ASPHYXIATION/CHOKING BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONCUSSION (CEREBRAL) CONCUSSION OR BRUISE CUT OR PUNCTURE DISLOCATION DUST IN EYE FRACTURE HERNIA (NOT DISC) POISONING (SYSTEMIC) RADIATION (NOT X-RAY) RADIATION (X-RAY) SCALD/ABRASION SPRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE		28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3	28	3	37	6	3

TABLE 20 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT ALL CON. OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY						
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI					
		PERMANENT	TEMPORARY	TOTAL				PERMANENT	TEMPORARY	TOTAL									
															TOTAL	PARTIAL	TOTAL	PARTIAL	TOTAL
STRIKING OR BUMPING		9	8	9	2	11				578			578	64	578	64			
CONTUSION OR BRUISE		8	8	8	42	50				41			41	5	41	5			
CUT OR PUNCTURE					1	5													
DUST IN EYE					2	3				49			49	16	49	16			
FRACTURE		3	3	3	2	5				7			7	2	7	2			
SCRATCH/ABRASION		3	3	3	21	122				3,853			3,853	38	3,853	38			
STRAIN/SPRAIN		101	6	101	2	8				78			78	13	78	13			
MULTIPLE INJURIES		6	3	6	2	3				74			74	25	74	25			
OTHER INJURY, NEC		3	3	3	4	9				167			167	33	167	33			
UNCLASSIFIED (NO DATA)		5	5	5	4	9				4,847			4,847	35	4,847	35			
TOTAL OR AVERAGE		138	138	138	74	212				100			100	100	100	100			
OTHER INJURIES																			
AMPUTATION/EXTREMITY		1	1	1	1	1				283			283	40	283	40			
CHEMICAL BURN					3	10				6,000			6,000	1,004	6,000	1,004			
CONTUSION OR BRUISE	1	7	5	7	14	20				25			25	5	25	5			
CUT OR PUNCTURE		9	9	9	15	24				13			13	1	13	1			
DUST IN EYE		3	3	3	1	4				224			224	75	224	75			
FRACTURE		7	7	7	5	12				12			12	2	12	2			
POISONING (SYSTEMIC)		3	3	3	3	6				7			7	2	7	2			
SCRATCH/ABRASION		92	4	92	8	100				3,448			3,448	37	3,448	37			
STRAIN/SPRAIN		4	4	4	2	6				93			93	23	93	23			
MULTIPLE INJURIES	1	4	4	4	2	7				11			11	3	11	3			
OTHER INJURY, NEC		25	25	25	4	29				1,665			1,665	67	1,665	67			
UNCLASSIFIED (NO DATA)		1	1	1	1	1				51			51	51	51	51			
OCCUPATIONAL DISEASES																			
TOTAL OR AVERAGE	2	160	161	161	58	221				100			100	100	17,932	110			

TABLE 20 NUMBER OF INJURIES, LOST HOLIDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST HOLIDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI	
		PERMANENT	TEMPORARY	TOTAL NFDI				TOTAL	PARTIAL	TOTAL NFDI					
TOTAL OR AVERAGE	54	1	158	10 857	10 911	3 113	14 024	51 157	5 000	458 749	515 906	324	43	77	
AMPUTATION/RESECTION															
ASPHYXIATION/DROWNING															
BURN/SCALD (HOT LIQUID)	2														
CHEMICAL BURN															
CONCUSSION (CEREBRAL)	18														
CONCUSSION OR BRUISE	1														
CUT OR PUNCTURE															
DEBRITATIONS															
DISLOCATION															
DUST IN EYE															
ELECTRIC SHOCK	5														
ELECTRIC BURN (CONTACT)															
FRACTURE	3														
HEPATA (NOT DISC)															
POISONING (SYSTEMIC)															
RADIATION/ULTRA VIOLET															
SCALD/ABRASION															
STRAIN/SPRAIN															
MULTIPLE INJURIES	20														
OTHER INJURY NEC	1														
UNCLASSIFIED (NO DATA)															
OCCUPATIONAL DISEASES															
TOTAL OR AVERAGE	54	1	158	10 857	10 911	3 113	14 024	51 157	5 000	458 749	515 906	324	43	77	

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, 1991

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI
		TOTAL	PARTIAL	TEMPO- RARY				TOTAL NFDI	PERMANENT					
									TOTAL	PARTIAL				
FALL OF FACE, RIB, SIDE OR HIGHWALL FRACTURE		1	1	1	1					26		26	26	
TOTAL OR AVERAGE		1	1	1	1					26		26	26	
FALL OF ROOF (UNDER- GROUND MINES ONLY) CONCUSSION OR BRUISE					1									
TOTAL OR AVERAGE					1									
HANDLING MATERIAL CHEMICAL BURN CONCUSSION OR BRUISE CUT OR PUNCTURE DISLOCATION DUST IN EYE FRACTURE HEMORRHOID (NOT DISC) STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, N.E.C. UNCLASSIFIED (NO DATA)		3 6 1 2 1 1 1 29 2 2 2	3 6 1 2 1 1 1 29 2 2 2	3 6 1 2 1 1 1 29 2 2 2	3 12 1 2 2 1 1 35 3 3 2		10 89 3 3 97 50 1,617 280 243 142		10 89 3 3 97 50 1,617 280 243 142		50	50	3 15 3 2 97 56 140 122 71	
TOTAL OR AVERAGE		48	49	49	66		50	2,534	50	2,534	50	52	52	
HAND TOOL CHEMICAL BURN CONCUSSION OR BRUISE CUT OR PUNCTURE DUST IN EYE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA)		1 6 1 1 6 1 1 17	1 6 1 1 6 1 1 17	1 6 1 1 6 1 1 17	2 7 5 1 1 1 2		1 166 7 28 313 18 39 572		1 166 7 28 313 18 39 572		1	1	1 28 7 28 52 18 39 34	
TOTAL OR AVERAGE		17	17	17	26		50	2,534	50	2,534	50	52	52	
NONPOWERED HAULAGE STRAIN/SPRAIN		1	1	1	1					26		26	26	
TOTAL OR AVERAGE		1	1	1	1					26		26	26	

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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY	
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI
		PERMANENT		TOTAL NFDI				PERMANENT		TEMPO RARY				
		TOTAL	PARTIAL					TOTAL	PARTIAL					
POWERED HAULAGE														
AMPUTATION/ENLACERATION		1	1	1	1	1				4,500	4,500	4,500	32	4,500
CONUSION OR BRUISE					2	2							32	
CUT OR PUNCTURE			3	3	1	1							22	
FRACURE			8	8	8	8							52	
STRAIN/SPRAIN			1	1	1	1							70	
MULTIPLE INJURIES													70	
TOTAL OR AVERAGE		1	13	14	17	17				4,500	5,082	4,500	45	353
MACHINERY														
AMPUTATION/ENLACERATION		1	1	1	1	1				150	150	150	36	150
BURN/SCALD (NOT CHEM.)			1	1	1	1							2	
CHEMICAL BURN			1	1	1	1							13	
CONUSION OR BRUISE			2	2	2	5			3				4	
CUT OR PUNCTURE			1	1	1	1							2	
DUST IN EYE			3	3	3	3							30	
FRACURE			3	3	3	4							7	
RADIATION/ULTRA VIOLET			3	3	3	3			1				2	
SCALD/ABRASION			3	3	3	5			2				15	
STRAIN/SPRAIN			1	1	1	1							85	
MULTIPLE INJURIES			1	1	1	1							2	
UNCLASSIFIED (NO DATA)														
TOTAL OR AVERAGE		1	20	21	27	27			6		150	462	16	22
SLIP OR FALL OF PERSON														
CONUSION OR BRUISE			8	8	8	9			1				35	
CUT OR PUNCTURE			1	1	1	3			2				1	
FRACURE			7	7	7	7							63	
STRAIN/SPRAIN			19	19	19	27			2				17	
MULTIPLE INJURIES			9	9	9	10			1				23	
OTHER INJURY, NEC.			1	1	1	1							17	
UNCLASSIFIED (NO DATA)			4	4	4	4							23	
TOTAL OR AVERAGE			49	49	49	55			6			1,810	37	
STEPPING OR KNEELING ON OBJECT														
CUT OR PUNCTURE			2	2	2	4			2				50	
TOTAL OR AVERAGE			2	2	2	4			2			99	50	
STRIKING OR BUMPING														
CONUSION OR BRUISE						1			1					
CUT OR PUNCTURE						1			1					
TOTAL OR AVERAGE						2			2					

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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NDI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI	
		PERMANENT		TOTAL NFI												
		TOTAL	PARTIAL													
OTHER INJURIES																
CUT OR PUNCTURE			3		3											
DUST IN EYE																
POISONING (SYSTEMIC)																
SCRATCH/ABRASION			1		1											
STRAIN/SPRAIN			1		1											
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE			5		5											
TOTAL OR AVERAGE																
AMPUTATION/ENUCLEATION																
BURN/SCALD (HOT CHEM)																
CHEMICAL BURN																
CONCUSSION OR BRUISE																
CUT OR PUNCTURE																
DISLOCATION																
DUST IN EYE																
FRACTURE																
HERNIA (NOT DISC)																
POISONING (SYSTEMIC)																
RADIATION/ULTRA VIOLET																
SCRATCH/ABRASION																
STRAIN/SPRAIN																
MULTIPLE INJURIES																
OTHER INJURY, NEC																
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE																

TABLE 208 . NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	PERMANENT		TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI		
		TOTAL	PARTIAL	TOTAL				PARTIAL							
ELECTRICAL															
AMPUTATION/ENUCLEATION		1		1				350		350			350		
ASPHYXIATION/DROWNING				3					403	403			134		
BURN/SCALD (NOT CHEM.)				11					564	564			51		
CHEMICAL BURN				3					14	14			5		
CONCUSSION (CEREBRAL)				1					23	23			23		
CUT OR PUNCTURE				2					2	2			1		
ELECTRIC SHOCK	4	24		24			24,000		938	938			39		
ELECT. BURN (CONTACT)		19		19					638	638			34		
FRACTURE		1		1					98	98			98		
POISONING (SYSTEMIC)				52					3	3			3		
RADIATION/ULTRA VIOLET				3					1,180	1,180			23		
STRAIN/SPRAIN		4		4					362	362			121		
MULTIPLE INJURIES									91	91			23		
TOTAL OR AVERAGE	4	1	124	125	129	18	24,000	350	4,666	4,666	350	35	222		
EXPLODING VESSEL															
UNDER PRESSURE															
ASPHYXIATION/DROWNING				1					1	1			1		
BURN/SCALD (NOT CHEM.)				6					21	21			4		
CHEMICAL BURN				3					318	318			106		
CONCUSSION OR BRUISE				2					4	4			2		
CUT OR PUNCTURE									1	1			1		
DUST IN EYE				1					39	39			20		
POISONING (SYSTEMIC)				2					21	21			21		
STRAIN/SPRAIN				1					13	13			13		
MULTIPLE INJURIES				1					418	418			25		
OTHER INJURY, NEC				17		11									
TOTAL OR AVERAGE			17	17	17	11			418	418			25		
EXPLOSIVE AND BREAKING AGENT															
BURN/SCALD (NOT CHEM.)				1					17	17			17		
CONCUSSION OR BRUISE	1			2			6,000		1	1			3,000		
CUT OR PUNCTURE				2		3			14	14			7		
ELECTRIC SHOCK				2					132	132			66		
FRACTURE				3		1			144	144			56		
MULTIPLE INJURIES	1			2		2			147	147			1,536		
OTHER INJURY, NEC				2		4			455	455			74		
TOTAL OR AVERAGE	3		11	11	14	4	18,000		455	455			1,318		

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, 1981 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY							
	FATAL	NFDI			TOTAL FATAL AND NFDI	NFI	TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA (NFI) PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI		
		TOTAL	PARTIAL	TOTAL						TOTAL	PARTIAL	TOTAL					TEMPORARY	TOTAL NFDI
FALLING, ROLLING, OR SLIDING MATERIAL CONCUSSION OR BRUISE CUT OR PUNCTURE DISLOCATION DUST IN EYE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	2		6 3 1 1 3 3 4 1 2 21		8 3 1 1 3 3 4 1 2 23		8 3 1 1 3 3 4 1 2 26		12,000		76 26 105 4 215 156 148 731 12,731			13 9 105 72 39 1 74 35		1,510 6 105 72 39 1 74 554		
FALL OF FACE, RIB, SIDE OR HIGHWALL CONCUSSION OR BRUISE CUT OR PUNCTURE DISLOCATION FRACTURE SCRATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	1	2	52 6 27 1 17 16 11 131		54 6 27 1 17 16 11 133		54 6 27 1 17 17 11 135		5,000	750	2,994 125 6 2,878 63 1,506 622 799 8,923		3,674 125 6 2,878 63 1,506 622 799 9,673	375	56 21 6 107 63 89 39 73 58		176 6 107 63 89 390 73 161	
FALL OF ROOF (UNDER GROUND MINES ONLY) AMPUTATION/FUNCTIATION CONCUSSION (CEPHALIC) CONCUSSION OR BRUISE CUT OR PUNCTURE DUST IN EYE ELECTRIC BURN (CONTACT) FRACTURE SCRATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE		2	1 179 66 3 1 73 6 62 91 4 48 534		2 179 66 3 1 74 6 62 91 4 48 537		2 183 66 3 1 76 6 62 104 4 48 556		24,000	600	62 6,413 1,007 5 32 4,662 24 3,659 3,680 98 2,155 21,798		600 62 6,413 1,007 5 32 4,662 24 3,659 3,680 99 2,155 22,773	300	62 36 15 2 32 64 24 4 59 40 25 45 41		304 62 166 15 2 32 24 4 59 785 25 45 246	
FIRE BURN/SCALD (NO CHEM) FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE	2		13 2 2 2 19		13 2 2 2 19		15 2 2 2 21		12,000		214 140 5 66 425		12,214 140 5 66 425		16 70 2 33 22		814 70 2 33 592	

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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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI
		PERMANENT		TOTAL NFDI											
		TOTAL	PARTIAL												
									TEMPORARY						
POWERED HAULAGE	1	20	1	20	20	1	20	6,000	24,550	1	1,228	1	1,228	1,228	6,000
AMPUTATION/ENGULFMENT															
ASPHYXIATION/CHOKING															
BURN/SCALD (NOT CHEM.)			1	1	1	1	2							1	
CHEMICAL BURN			3	3	3	1	4							39	
CONCUSSION (CEREBRAL)			7	7	7	1	8							32	
CONCUSSION OR BRUISE	5	247	73	247	252	33	285	30,000	9,710	221				39	156
CUT OR PUNCTURE			73	73	73	80	153		2,034	2				28	
DISLOCATION			8	8	8	8	16		330	330				41	
DUST IN EYE			8	8	8	8	16		17	17				2	
FRACTURE			150	150	150	37	187		9,437	9,437				63	
HEMORRHOID (NOT DISC)		2					2		100	100		50		50	
POISONING (SYSTEMIC)			1	1	1	1	2							1	
RADIATION/ULTRA VIOLET			1	1	1	1	2							1	
SCRATCH/ABRASION			12	12	12	5	17							53	
STRAIN/SPRAIN			481	481	481	52	533		23,745	94				8	
MULTIPLE INJURIES	3	139	139	142	142	24	166	18,000	8,004	23,745				49	183
OTHER INJURY, NEC		20	20	20	20	3	23		1,176	1,176				59	
UNCLASSIFIED (NO DATA)		95	95	95	95	19	114		7,105	7,105				75	
TOTAL OR AVERAGE	9	1,246	1,246	1,277	1,277	264	1,541	54,000	86,695	62,045	1,120			50	110
HOISTING															
CONCUSSION OR BRUISE		1	1	1	1	1	2							4	
CUT OR PUNCTURE		1	1	1	1	3	4							1	
STRAIN/SPRAIN		1	1	1	1	1	2							54	
TOTAL OR AVERAGE		3	3	3	3	3	6							20	
IGNITION OR EXPLOSION OF GAS OR DUST															
ASPHYXIATION/CHOKING	2				2	4	2	12,000							
BURN/SCALD (NOT CHEM.)		22	22	22	22	1	26	6,000	1,688	1,688				77	
CONCUSSION OR BRUISE	1	1	1	1	1	1	2		25	25				25	
MULTIPLE INJURIES		23	23	26	26	5	31	18,000	1,713	1,713				74	758
TOTAL OR AVERAGE	3														
INUNDATION															
ASPHYXIATION/CHOKING	1				1	1	1	5,000						29	
MULTIPLE INJURIES		1	1	1	1	1	2		29	29				29	
TOTAL OR AVERAGE	1							5,000	29	29				29	3,014

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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDI			TOTAL FATAL AND NFDI			NFI	PERMANENT			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI			
		TOTAL	TEMPORARY	TOTAL NFDI					TOTAL	PARTIAL								
MACHINERY																		
AMPUTATION/ENVELOPMENT		27	27	3	27	27		4,233		13	4,233	157	157	4,233	13	157	4	157
ASPHYXIATION/CHOKING			36	3	36	36		719		12	719			719	12	4	4	4
BURN/SCALD (NOT CHEM.)			5	5	5	8		317		106	317			317	106	2	2	2
CHEMICAL BURN			3	3	3	3		427		10,761	11,361			29,361	28	77	19	77
CONCUSSION (CEREBRAL)	3	1	379	380	383	463	18,000	600	3,852		3,852		600	3,852	19	19	19	19
CONCUSSION OR BRUISE			208	208	208	2			653		653			653	73	73	73	73
CUT OR PUNCTURE			9	9	9	11			78		78			78	2	2	2	2
DISLOCATION			35	35	35	66			13,282		13,282			19,282	55	79	55	79
DUST IN EYE	1		243	243	244	292	6,000	50	50		50		50	50	6	28	6	28
FRACTURE		1	2	2	2	3			13		13			13	6	6	6	6
HEMIA (NOT DISC.)			2	2	2	3			13		13			13	21	26	21	26
POISONING (SYSTEMIC)			23	23	23	8			494		494			494	26	26	26	26
RADIATION/ULTRA VIOLET			26	26	26	7			675		675			675	45	45	45	45
SCRAPE/ABRASION			316	316	316	22			14,138		14,138			14,138	40	72	40	72
STRAIN/SPRAIN			184	184	185	45	6,000		7,291		7,291			13,291	61	61	61	61
MULTIPLE INJURIES	1		11	11	11	3			670		670			670	51	51	51	51
OTHER INJURY, NEC			87	87	87	14			4,469		4,469			4,469	37	37	37	37
UNCLASSIFIED (NO DATA)			1,571	1,600	1,605	518	30,000	4,883	57,443		57,443		168	92,326	58	58	58	58
TOTAL OR AVERAGE	5		29	1,571	1,600	2,123												
SUPT OR FALL OF PERSON																		
CHEMICAL BURN			1	1	1	1			1		1			1	1	84	1	84
CONCUSSION (CEREBRAL)			243	243	243	269			252		252			6,987	29	29	29	29
CONCUSSION OR BRUISE			29	29	29	81			349		349			349	12	12	12	12
CUT OR PUNCTURE			16	16	16	4			1,007		1,007			1,007	63	63	63	63
DISLOCATION			187	187	187	44			10,617		10,617			10,617	57	57	57	57
FRACTURE		6	7	7	7	7			48		48		50	348	48	48	48	48
HEMIA (NOT DISC.)			2	2	2	2			192		192			192	96	96	96	96
RADIATION/ULTRA VIOLET			7	7	7	7			205		205			205	29	29	29	29
SCRAPE/ABRASION			1,171	1,171	1,171	96			57,066		57,066		2,340	61,746	49	49	49	49
STRAIN/SPRAIN		2	128	128	129	19	6,000		6,240		6,240			12,240	40	40	40	40
MULTIPLE INJURIES	1		89	89	89	3			360		360			360	63	63	63	63
OTHER INJURY, NEC			89	89	89	10			5,640		5,640			5,640	53	53	53	53
UNCLASSIFIED (NO DATA)			1,884	1,892	1,893	283	6,000		88,964		88,964			99,944	47	47	47	47
TOTAL OR AVERAGE	1		8	1,884	1,892	2,176												
STEPPING OR KNEELING ON OBJECT																		
CONCUSSION OR BRUISE			24	24	24	4			818		818			818	34	34	34	34
CUT OR PUNCTURE			15	15	15	11			66		66			66	4	4	4	4
FRACTURE			12	12	12	2			398		398			398	33	33	33	33
SCRAPE/ABRASION			153	153	153	13			5,704		5,704			5,704	37	37	37	37
STRAIN/SPRAIN			5	5	5	2			148		148			148	30	30	30	30
MULTIPLE INJURIES			4	4	4	6			85		85			85	21	21	21	21
OTHER INJURY, NEC			9	9	9	9			307		307			307	34	34	34	34
UNCLASSIFIED (NO DATA)			222	222	222	35			7,526		7,526			7,526	34	34	34	34
TOTAL OR AVERAGE			222	222	222	35												

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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI	
		PERMANENT	TEMPO RARY	TOTAL NFI					PERMANENT		TEMPO RARY					TOTAL NFI
									TOTAL	PARTIAL						
STRIKING OR BUMPING CONCUSSION OR BRUISE CUT OR PUNCTURE DUST IN EYE FRACTURE SCRAATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE		9 8 3 101 6 3 5 138	8 8 3 101 6 3 5 138	9 8 3 101 6 3 5 138	1 41 2 21 2 4 72	10 49 1 5 3 122 8 3 9 210		578 41 49 3,853 78 74 167 4,847	578 41 49 3,853 78 74 167 4,847	578 41 49 3,853 78 74 167 4,847		64 5 16 2 38 13 25 33 35	578 41 49 3,853 78 74 167 4,847	64 5 16 2 38 13 25 33 35	578 41 49 3,853 78 74 167 4,847	
OTHER INJURIES AMPUTATION/EMULCATION CHEMICAL BURN CONCUSSION OR BRUISE CUT OR PUNCTURE DUST IN EYE FRACTURE POISONING (SYSTEMIC) SCRAATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY NEC UNCLASSIFIED (NO DATA) OCCUPATIONAL DISEASES TOTAL OR AVERAGE	1	7 5 6 3 7 3 91 4 24 1	7 5 6 3 7 3 91 4 24 1	7 5 6 3 7 3 91 4 24 1	1 13 15 4 2 8 2 4 55	1 10 19 21 4 11 5 99 6 7 28 213	6,000	283 25 10 224 12 7 3,422 93 11 1,557 51 5,695	283 25 10 224 12 7 3,422 93 11 1,557 51 5,695	283 25 10 224 12 7 3,422 93 11 1,557 51 5,695	100	40 5 75 2 2 2 38 23 3 65 51 37	283 25 10 224 12 7 3,422 93 11 1,557 51 5,695	40 5 75 2 2 2 38 23 3 65 51 37	283 25 10 224 12 7 3,422 93 11 1,557 51 5,695	

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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	*NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI		
		PERMANENT	TEMPORARY	TOTAL NFI				TOTAL	PARTIAL							
TOTAL OR AVERAGE		66		8	66	3	66	24,000	31,918		424	31,918	484	53	484	484
ASPHYXIATION/POISONING	4			96	12	45	15	12,000	3,276		3,276	24,424		34	2,035	
BURN/SCALD (NOT CHEM.)	2			40	40	35	75		218		218	15,276		5	156	
CHEMICAL BURN				15	15	1	16		875		875	218		58	58	
CONCUSSION (EITHER PARTIAL OR FULL)	18			1,569	1,560	219	1,809	108,000	48,198		48,198	157,548	450	98	98	
CONTUSION OR BRUISE	1			776	776	1,424	2,202	16,000	12,547		12,547	18,622	75	16	24	
CUT OR PUNCTURE				3	3	3	3		3		3	3		1	1	
DERMATITIS				47	47	10	57		3,386		3,386	3,386		72	72	
DISLOCATION				79	79	104	183	30,000	204		204	30,938		39	39	
DUST IN EYE	5			24	24	3	32		938		938	30,938		34	34	
ELECTRIC SHOCK				20	20	20	20	18,000	570		570	670		72	72	
ELECTRIC BURN (CONTACT)	3			76	973	352	1,228		375		375	70,224	375	35	46	
FRACTURE				12	88	1	89		423		423	4,223	50	3	3	
HERNIA (NOT DISC)				14	14	7	21		41		41	41		26	26	
POISONING (SYSTEMIC)				79	79	18	97		2,039		2,039	2,039		15	15	
RADIATION (OTHER THAN VIOLET)				76	76	33	109		1,131		1,131	1,131		49	49	
SCALD/ABRASION				5,351	5,351	484	5,835	120,000	263,792		263,792	276,331	934	26	51	
STRAIN/SPRAIN	20			7	7	209	209	5,000	3,336		3,336	153,780	2,400	41	196	
MULTIPLE INJURIES	1			767	767	28	795	5,000	3,583		3,583	9,583		37	98	
OTHER INJURY, NEC				465	465	88	553		27,723		27,723	27,723		60	60	
UNCLASSIFIED (NO DATA)				1	1	1	1		51		51	51		51	51	
OCCUPATIONAL DISEASES																
TOTAL OR AVERAGE	54	1	155	10,542	10,698	3,064	13,816	324,000	46,457		46,457	829,158	300	43	77	

TABLE 21 - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991

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				4		5
ILLINOIS		111				2		113
KENTUCKY						8	5	13
PENNSYLVANIA		1	2			18	1	22
UTAH		24				12	6	42
VIRGINIA	1	267				98		366
WEST VIRGINIA						142		142
TOTAL	1	405	2				12	562
SURFACE AT UG								
ALL COAL								
COLORADO						3	1	4
ILLINOIS		3				1		4
KENTUCKY								3
OHIO								1
PENNSYLVANIA		2				2		4
VIRGINIA		6				8		14
WEST VIRGINIA								2
TOTAL		11			2	14	1	28
TOTAL UNDERGROUND								
ALL COAL								
ALABAMA		1						1
COLORADO		1					1	2
ILLINOIS		114			1			116
KENTUCKY							5	5
OHIO								1
PENNSYLVANIA		1				20	1	22
UTAH		26	2			12	6	44
VIRGINIA	1	273				166		380
WEST VIRGINIA						156	13	169
TOTAL	1	416	2		2			590
SURFACE MINES								
STRIP								
ALL COAL								
ILLINOIS		9			1	1		11
KENTUCKY								1
OHIO		1						1
OKLAHOMA	1	2	1			2		4
PENNSYLVANIA					1			1
TEXAS								1
WASHINGTON		17		1	1	9		28
WEST VIRGINIA						1	1	2
WYOMING								
TOTAL	1	29	1	1	3	16	1	52

TABLE 21 OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (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	DISEASES DUE TO PHYSICAL AGENTS (NONIONIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
AUGER ALL COAL WEST VIRGINIA		2				1		3
TOTAL		2				1		3
QUIM BANK ALL COAL PENNSYLVANIA		1						1
TOTAL		1						1
TOTAL SURFACE ALL COAL		9			1	1		10
ILLINOIS						1		1
KENTUCKY		1				2		3
OHIO	1	3			1	1		6
OKLAHOMA					1	1		2
PENNSYLVANIA		19		1	1	10		31
TEXAS						1		1
WASHINGTON						1	1	2
WEST VIRGINIA								
WYOMING	1	32	1	1	3	12		50
TOTAL								
TOTAL MINING ALL COAL		1						1
ALABAMA		1						1
COLORADO		1						1
ILLINOIS		123			1	2		126
KENTUCKY					1	8		9
OHIO		1			1	1		3
OKLAHOMA	1	3				1		5
PENNSYLVANIA			1			22		23
TEXAS					1			1
UTAH		1	2					3
VIRGINIA		26				12	6	44
WASHINGTON						1		1
WEST VIRGINIA	1	292		1	1	116		411
WYOMING						1	1	2
TOTAL	2	448	3	1	5	173	14	646
INDEPENDENT SHOPS ALL COAL		2						2
VIRGINIA		1				1		2
WEST VIRGINIA								
TOTAL		3	1			1		5

TABLE 21 OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT ALL COAL OPERATIONS IN THE UNITED STATES, 1991 (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 (NONIONIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
PROCESSING PLANTS								
ALL COAL		22			1	1	1	24
KENTUCKY		5			1	2	1	9
PENNSYLVANIA		44				25	1	70
VIRGINIA								
WEST VIRGINIA		71			2	28	3	104
TOTAL								
TOTAL MINE AND PLANTS								
ALL COAL		1				7	1	1
ALABAMA		1				4		5
COLORADO		145			2	9	5	161
ILLINOIS					1	1		2
KENTUCKY		1				22	2	25
OHIO	1	3	1			1		2
OKLAHOMA		1				15	7	23
PENNSYLVANIA		33	2		1	141	1	188
TEXAS		337	1		1	1	1	341
UTAH								
VIRGINIA								
WASHINGTON	1							
WEST VIRGINIA		522	4	1		202	17	746
WYOMING	2							
TOTAL								
OFFICE								
ALL COAL		1				1	1	3
KENTUCKY								
UTAH								
WEST VIRGINIA		1				2		3
TOTAL								
GROUND TOTAL								
ALL COAL		1				7	1	9
ALABAMA		1				4	5	10
COLORADO		146			2	9	5	162
ILLINOIS					1	1		2
KENTUCKY		1				22	2	25
OHIO		3	1			1		5
OKLAHOMA		1				15	7	23
PENNSYLVANIA		33	2		1	142	1	188
TEXAS		337	1		1	1	1	341
UTAH								
VIRGINIA								
WASHINGTON	1							
WEST VIRGINIA		523	4	1		204	17	748
WYOMING	2							
TOTAL								

TABLE 21A OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT ANTHRACITE COAL OPERATIONS IN THE UNITED STATES 1991

WORK LOCATION, TYPE OF COAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO DUST 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		2						2
PENNSYLVANIA		2						2
TOTAL								
SURFACE MINES								
CLIMB BANK								
ANTHRACITE		1						1
PENNSYLVANIA		1						1
TOTAL								
TOTAL SURFACE								
ANTHRACITE		3						3
PENNSYLVANIA		3						3
TOTAL								
TOTAL MINING								
ANTHRACITE		3						3
PENNSYLVANIA		3						3
TOTAL								
TOTAL MINES AND PLANTS								
ANTHRACITE		3						3
PENNSYLVANIA		3						3
TOTAL								
GRAND TOTAL								
ANTHRACITE		3						3
PENNSYLVANIA		3						3
TOTAL								

TABLE 21B OCCURRENCES REPORTED TO NIOSH AS OCCUPATIONAL ILLNESSES AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991

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 (NONIONIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
UNDERGROUND MINES								
UNDERGROUND BITUMINOUS								
ALABAMA		1				4		1
COLORADO		1				2		5
ILLINOIS		111				8	5	124
KENTUCKY						18	1	19
PENNSYLVANIA		1	2			12	6	3
UTAH		24				98		42
VIRGINIA	1	267						366
WEST VIRGINIA			2			142	12	562
TOTAL	1	405						
SURFACE AT UG								
BITUMINOUS								
COLORADO						3	1	4
ILLINOIS		3			1	1		2
KENTUCKY					1			1
OHIO						2		2
PENNSYLVANIA		2				8		14
VIRGINIA		6			2	14	1	28
WEST VIRGINIA		11						
TOTAL								
TOTAL UNDERGROUND BITUMINOUS								
ALABAMA		1				1		1
COLORADO		1				3		9
ILLINOIS		114			1	8	5	127
KENTUCKY					1	20		21
OHIO		1	2			12		3
UTAH		26				106		44
VIRGINIA	1	273	2			156	13	380
WEST VIRGINIA	1	416			2			590
TOTAL								
SURFACE MINES								
STRIP								
BITUMINOUS								
ILLINOIS						1		1
KENTUCKY		9			1	1		10
OHIO								1
OKLAHOMA	1	1				2		2
PENNSYLVANIA			1			1		3
TEXAS					1	1		2
WASHINGTON		17			1	9		1
WEST VIRGINIA						1	1	28
WYOMING								2
TOTAL	1	27	1	1	3	16	1	50

TABLE 21B OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1997 (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 (NONIONIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
ALGER BITUMINOUS		2				1		3
WEST VIRGINIA		2				1		3
TOTAL								
TOTAL SURFACE BITUMINOUS		9			1	1		1
ILLINOIS						1		10
KENTUCKY		1				2		1
OHIO	1		1			1		2
OKLAHOMA					1	1		2
PENNSYLVANIA					1	1		1
TEXAS					1	10		31
WASHINGTON		19		1	1	1		2
WEST VIRGINIA						1		53
WYOMING	1	29	1	1	3	17	1	
TOTAL								
TOTAL MINING BITUMINOUS		1				7	1	1
ALABAMA		1				4		9
COLORADO		123			1	8	5	137
ILLINOIS					1	1		2
KENTUCKY		1			1	22		24
OHIO	1		1			1		2
OKLAHOMA					1	1		2
PENNSYLVANIA						12	6	3
TEXAS		26	2			1		44
UTAH		292		1	1	116	1	411
VIRGINIA	1					1		2
WASHINGTON						173	14	643
WEST VIRGINIA	2	445	3	1	5			
WYOMING								
TOTAL								
INDEPENDENT SHOPS BITUMINOUS		2				1		4
VIRGINIA		1	1					1
WEST VIRGINIA		3	1			1		5
TOTAL								
PROCESSING PLANTS BITUMINOUS		22			1	1		24
KENTUCKY		5			1	2	1	1
PENNSYLVANIA		44				23	1	9
VIRGINIA		71			2	28	3	70
WEST VIRGINIA								104
TOTAL								

TABLE 21B. OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT BITUMINOUS COAL OPERATIONS IN THE UNITED STATES, 1991 (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				7	1	1
COLORADO		1			1	4	1	9
ILLINOIS		145			2	9	5	161
KENTUCKY					1	1	2	2
OHIO		1						
OKLAHOMA	1		1			22	2	25
PENNSYLVANIA					1	1		2
TEXAS		1	2					3
UTAH		33	1		1	15	7	57
VIRGINIA					1	1	1	1
WASHINGTON		337		1		141	1	482
WEST VIRGINIA	1					1	1	2
WYOMING								
TOTAL	2	519	4	1	7	202	17	752
OFFICE:								
BITUMINOUS								
KENTUCKY		1						1
UTAH						1		1
WEST VIRGINIA						1		1
TOTAL		1				2		3
GRAND TOTAL								
BITUMINOUS								
ALABAMA		1				7	1	1
COLORADO		1			1	4	1	9
ILLINOIS		146			2	9	5	162
KENTUCKY					1	1		2
OHIO		1						
OKLAHOMA	1		1			22	2	25
PENNSYLVANIA					1	1		2
TEXAS			2			1		2
UTAH		1	1		1	15	7	57
VIRGINIA		33				1		1
WASHINGTON		337		1		142	1	483
WEST VIRGINIA	1					1	1	2
WYOMING								
TOTAL	2	520	4	1	7	204	17	755

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, 1991 (OPERATOR DATA)

TYPE OF COAL AND WORK LOCATION	FATAL	FATAL INCIDENCE RATE	NFBI	NFBI INCIDENCE RATE	NDI	NDI INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED	PRODUCTION REPORTED (SHORT TONS)
BITUMINOUS COAL:											
UNDERGROUND MINES:											
UNDERGROUND-----	39	.06	7,908	12.96	1,870	3.06	9,817	16.08	62,427	122,070,415	403,694,730
SURFACE-----	4	.06	561	8.94	202	3.22	767	12.23	6,934	12,545,740	-
TOTAL, UNDERGROUND MINES--	43	.06	8,469	12.58	2,072	3.08	10,584	15.72	69,361	134,616,155	403,694,730
SURFACE MINES:											
STRIP MINES-----	7	.02	1,363	3.33	658	1.61	2,028	4.95	40,796	81,928,100	574,626,924
AUGER MINES-----	-	-	25	7.75	15	4.65	40	12.41	563	644,767	3,318,079
OTHER SURFACE MINES-----	-	-	14	7.55	6	3.23	20	10.78	257	371,066	1,072,214
TOTAL, SURFACE MINES-----	7	.02	1,402	3.38	679	1.64	2,088	5.03	41,616	82,943,933	579,017,217
TOTAL, PRODUCTION MINING--	50	.05	9,871	9.07	2,751	2.53	12,672	11.65	110,977	217,560,088	982,711,947
PREPARATION PLANTS-----	3	.02	747	5.42	255	1.85	1,005	7.29	13,524	27,561,462	-
INDEPENDENT SHOPS/YARDS-----	1	.10	51	4.95	47	4.56	99	9.61	1,073	2,060,562	-
TOTAL, OTHER OPERATIONS--	4	.03	798	5.39	302	2.04	1,104	7.45	14,597	29,622,024	-
TOTAL, BITUMINOUS MINING--	54	.04	10,669	8.63	3,053	2.47	13,776	11.15	125,574	247,182,112	982,711,947
PENNSYLVANIA ANTHRACITE COAL:											
UNDERGROUND MINES:											
UNDERGROUND-----	-	-	7	3.95	2	1.13	9	5.08	293	354,168	322,621
SURFACE-----	-	-	-	-	-	-	-	-	95	108,207	-
TOTAL, UNDERGROUND MINES--	-	-	7	3.03	2	.87	9	3.89	388	462,375	322,621
SURFACE MINES:											
STRIP MINES-----	-	-	62	10.56	17	2.89	79	13.45	665	1,174,713	1,825,940
CULM BANK-----	-	-	12	6.16	5	2.57	17	8.73	273	389,374	1,253,019
DREDGE-----	-	-	-	-	-	-	-	-	5	5,200	2,542
TOTAL, SURFACE MINES-----	-	-	74	9.43	22	2.80	96	12.23	943	1,569,287	3,081,501
TOTAL, PRODUCTION MINING--	-	-	81	7.97	24	2.36	105	10.34	1,331	2,031,662	3,404,122
PREPARATION PLANTS-----	-	-	73	11.73	24	3.86	97	15.58	704	1,244,816	-
INDEPENDENT SHOPS/YARDS-----	-	-	5	13.46	1	2.69	6	16.15	41	74,294	-
TOTAL, OTHER OPERATIONS--	-	-	78	11.83	25	3.79	103	15.62	745	1,319,110	-
TOTAL, ANTHRACITE MINING--	-	-	159	9.49	49	2.92	208	12.42	2,076	3,350,772	3,404,122
ALL COAL:											
UNDERGROUND MINES:											
UNDERGROUND-----	39	.06	7,915	12.93	1,872	3.06	9,826	16.05	62,720	122,424,583	404,017,351
SURFACE-----	4	.06	561	8.87	202	3.19	767	12.12	7,029	12,653,947	-
TOTAL, UNDERGROUND MINES--	43	.06	8,476	12.55	2,074	3.07	10,593	15.68	69,749	135,078,530	404,017,351
SURFACE MINES:											
STRIP MINES-----	7	.02	1,425	3.43	675	1.62	2,107	5.07	41,461	83,102,813	576,452,864
AUGER MINES-----	-	-	25	7.75	15	4.65	40	12.41	563	644,767	3,318,079
CULM BANK-----	-	-	24	7.41	8	2.47	32	9.87	444	648,163	1,898,814
DREDGE-----	-	-	2	3.40	3	5.11	5	8.51	91	117,477	428,961
TOTAL, SURFACE MINES-----	7	.02	1,476	3.49	701	1.66	2,184	5.17	42,559	84,513,220	582,098,718
TOTAL, PRODUCTION MINING--	50	.05	9,952	9.06	2,775	2.53	12,777	11.64	112,308	219,591,750	986,116,069
PREPARATION PLANTS-----	3	.02	820	5.69	279	1.94	1,102	7.65	14,228	28,806,278	-
INDEPENDENT SHOPS/YARDS-----	1	.09	56	5.25	48	4.50	105	9.84	1,114	2,134,856	-
TOTAL, OTHER OPERATIONS--	4	.03	876	5.66	327	2.11	1,207	7.80	15,342	30,941,134	-
TOTAL, ALL COAL-----	54	.04	10,828	8.64	3,102	2.48	13,984	11.16	127,650	250,532,884	986,116,069
OFFICEWORKERS:											
BITUMINOUS-----	-	-	29	.47	11	.18	40	.64	6,858	12,407,411	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	127	201,405	-
TOTAL, OFFICEWORKERS-----	-	-	29	.46	11	.17	40	.63	6,985	12,608,816	-
GRAND TOTAL-----	54	.04	10,857	8.25	3,113	2.37	14,024	10.66	134,635	263,141,700	986,116,069

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, 1991
(OPERATOR DATA)

WORK LOCATION AND MINERAL INDUSTRY	FATAL	FATAL INCIDENCE RATE	M/DI	M/DI INCIDENCE RATE	M/DI	M/DI INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED
UNDERGROUND MINES:										
METAL.....	8	10	531	6.33	441	5.26	980	11.69	8,653	16,764,742
NONMETAL.....	1	02	223	5.16	98	2.27	322	7.46	4,281	8,636,464
STONE.....	1	05	102	5.37	76	4.00	179	9.42	1,944	3,800,662
TOTAL, UNDERGROUND MINES-	10	07	856	5.86	615	4.21	1,481	10.14	14,878	29,201,868
SURFACE MINES:										
METAL.....	5	03	663	3.70	342	1.91	1,010	5.64	17,315	35,834,537
NONMETAL.....	1	02	187	3.03	130	2.10	318	5.15	5,670	12,352,881
STONE.....	9	03	1,390	5.35	865	3.33	2,264	8.71	27,632	51,966,002
SUBTOTAL, SURFACE MINES-	15	03	2,240	4.32	1,337	2.67	3,592	7.17	34,335	100,153,400
SAND AND GRAVEL.....	11	04	1,267	4.57	801	2.89	2,079	7.50	34,335	55,412,419
TOTAL, SURFACE MINES-	26	03	3,507	4.51	2,138	2.75	5,671	7.29	85,952	155,565,819
TOTAL, MINES-----	36	04	4,363	4.72	2,753	2.98	7,152	7.74	100,830	184,767,687
MILLS:										
METAL.....	-	-	806	3.94	590	2.88	1,396	6.82	20,267	40,924,642
NONMETAL.....	1	01	708	5.32	387	2.26	1,096	6.41	16,521	34,220,388
STONE.....	4	01	1,853	5.32	1,323	3.79	3,180	9.12	34,080	69,723,982
TOTAL, MILLS-----	5	01	3,367	4.65	2,300	3.18	5,672	7.83	70,868	144,868,982
INDEPENDENT SHOPS AND YARDS:										
METAL.....	-	-	22	5.81	12	3.17	34	8.99	382	756,745
NONMETAL.....	-	-	11	5.98	10	5.44	21	11.42	169	367,723
STONE.....	-	-	33	5.87	22	3.91	55	9.76	551	1,124,468
TOTAL, SHOPS AND YARDS-----	-	-	-	-	-	-	-	-	-	-
ALL MINES, MILLS AND SHOPS:										
METAL.....	13	03	2,022	4.29	1,385	2.94	3,420	7.25	46,617	94,280,666
NONMETAL.....	3	01	1,118	4.05	615	2.23	1,736	6.25	27,472	55,209,713
STONE.....	14	02	3,356	5.33	2,274	3.61	5,644	8.97	63,825	125,858,339
SUBTOTAL-----	30	02	6,496	4.72	4,274	3.10	10,800	7.84	137,914	275,348,718
SAND AND GRAVEL.....	11	04	1,267	4.57	801	2.89	2,079	7.50	34,335	55,412,419
TOTAL, MINES/MILLS/SHOPS-	41	02	7,763	4.69	5,075	3.07	12,879	7.79	172,249	330,761,137
OFFICEMEN:										
METAL.....	-	-	8	13	14	23	22	36	6,253	12,106,943
NONMETAL.....	-	-	8	19	5	12	13	30	4,740	8,528,409
STONE.....	-	-	9	09	15	15	24	24	10,971	20,238,578
SAND AND GRAVEL.....	-	-	5	10	8	17	13	27	7,221	9,569,354
TOTAL, OFFICEMEN-----	-	-	30	12	42	17	72	29	29,185	50,443,324
SUMMARY TOTAL (INCLUDES OFFICE WORKERS):										
METAL.....	13	02	2,030	3.82	1,399	2.63	3,442	6.47	52,870	106,387,609
NONMETAL.....	3	01	1,126	3.53	620	1.95	1,749	5.49	32,212	63,738,122
STONE.....	14	02	3,365	5.33	2,289	3.13	5,668	7.76	74,796	146,096,917
SUBTOTAL-----	30	02	6,521	4.12	4,308	2.72	10,859	6.87	159,878	316,222,648
SAND AND GRAVEL.....	11	03	1,272	3.91	809	2.49	2,092	6.44	41,556	64,981,813
GRAND TOTAL-----	41	02	7,793	4.09	5,117	2.68	12,951	6.79	201,434	381,204,461

CONTRACTOR DATA

TABLE REFERENCE GUIDE (CONTRACTOR DATA)

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

To use this guide, read down or across the elements listed in both the stub and column headings to determine which combinations are of interest. For example, lost workdays by work location appear in six different tables, numbers 5, 7, 9, 12, 13, and 14. However, only one of these, table 9, provides a further division by nature of injury as well. The occupation of the injured is found in table 13 and, as seen in the column headings, provides the number of injuries, lost workdays, and average severity.

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

REFERENCE GUIDE TO COAL STATISTICAL TABLES (CONTRACTOR DATA)

STUB HEADINGS	COLUMN HEADINGS										
	Number of injuries	Incidence rates	Severity measures	Lost workdays	Average severity	Average number of workers	Employee-hours worked	Number of operations	Associated work locations	Coal production (short tons)	Accident classification
Prior year data with and without office ^{1/}	1	1	1		1	1	1	1	1	1	
	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						
Work location	10	10	10								
	11			11	11						
	13										13
				14							14
	17			17	17						
	18			18	18						
											21
	22	22				22	22			22	
	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
	8	8	8								
Part of body injured	9			9	9						
	12			12	12						
	19			19	19						
	10	10	10								
Nature of injury	11			11	11						
	12			12	12						
	20			20	20						
Occupation at time of injury	17			17	17						
	18			18	18						
Accident classification	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, 1991

	EXCLUDING OFFICEWORKERS					INCLUDING OFFICEWORKERS				
	1987	1988	1989	1990	1991	1987	1988	1989	1990	1991
NUMBER OF INJURIES										
FATAL	5	9	6	7	7	5	9	6	7	7
NFOL	277	248	338	403	464	275	250	341	406	468
TOTAL LWD INJURIES	277	257	344	410	471	280	259	347	413	475
NDI	138	118	173	136	167	139	119	176	137	169
TOTAL INJURIES	415	375	517	546	638	419	378	523	550	644
INCIDENCE RATES										
FATAL	07	12	06	07	06	07	11	06	06	06
NFOL	3.83	3.24	3.53	3.75	4.01	3.66	3.00	3.22	3.52	3.74
ALL LWD INJURIES	3.90	3.35	3.59	3.82	4.07	3.73	3.11	3.27	3.58	3.80
NDI	1.95	1.54	1.80	1.27	1.44	1.85	1.43	1.66	1.19	1.35
ALL INJURIES	5.85	4.89	5.39	5.08	5.52	5.57	4.54	4.93	4.76	5.15
SEVERITY MEASURES										
FATAL	423	705	376	391	363	399	648	340	364	336
NFOL	143	205	153	349	251	136	189	139	326	232
ALL LWD INJURIES	566	910	528	740	614	535	838	478	689	568
AVERAGE SEVERITY										
PERMANENT PARTIAL	489	870	1,058	1,290	110	489	870	1,058	1,290	110
TEMPORARY NFOL	25	30	25	36	35	25	29	25	35	34
ALL LWD INJURIES	145	271	147	194	151	144	269	146	193	140
AVERAGE NUMBER OF EMPLOYEES	12,915	13,906	17,599	20,752	22,457	13,786	15,133	19,522	22,120	24,042
EMPLOYEE HOURS WORKED	14,188,883	15,329,994	19,171,582	21,489,025	23,116,918	15,032,184	16,657,770	21,204,119	23,049,524	24,498,556
PRODUCTION (SHORT TONS)	5,954,957	4,923,294	3,199,366	1,419,409	1,636,907	5,954,957	4,923,294	3,199,366	1,419,409	1,636,907
NUMBER OF CONTRACTORS	1,427	1,531	1,802	2,099	2,322	1,586	1,737	2,036	2,376	2,633

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, 1991

WORK LOCATION	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF WORK LOCATIONS	PRODUCTION (SHORT TONS)
	FATAL	NFDI				TOTAL FATAL AND NFDI	NOI	TOTAL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI	NOI	ALL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI				
		PERMANENT		TEMPORARY	TOTAL NFDI															
		TOTAL	PARTIAL																	
UNDERGROUND MINES	1	1	3	126	130	131	41	172	10	12 93	13 03	4 08	17 10	597	1 065	1 662	1 811	2 011 166	242	278 361
UNDERGROUND SURFACE AT UNDERGROUND	1		2	50	52	53	17	70	05	2 67	2 72	87	3 60	308	107	415	4 755	3 892 363	696	
TOTAL OR AVERAGE	2	1	5	176	182	184	58	242	07	6 17	6 23	1 96	8 20	407	433	840	6 626	5 903 525	938	278 361
SURFACE MINES	4	1	4	116	121	125	53	178	07	2 12	2 18	93	3 11	420	162	582	10 291	11 441 645	1 476	637 537
STRIP			1	10	11	11	5	16		9 24	9 24	4 20	13 44		920	920	309	238 155	70	559 784
AUGER				2	2	2		2		3 73	3 73		3 73		205	205	107 307	47	151 125	
CULM BANK																	27	23 761	12	
DREDGE																				
TOTAL OR AVERAGE SURFACE MINES	4	1	5	128	134	138	58	196	07	2 27	2 34	98	3 32	406	178	584	10 831	11 810 862	1 605	1 356 546
TOTAL OR AVERAGE MINING	6	2	10	304	316	322	116	438	07	3 57	3 64	1 31	4 95	406	263	669	17 457	17 714 397	2 543	1 636 907
INDEPENDENT SHOPS																				
PROCESSING PLANTS	1		3	145	148	149	51	200	04	5 48	5 52	1 89	7 40	222	210	432	5 000	5 402 521	606	
TOTAL OR AVERAGE ALL MINES AND PLANTS	7	2	13	449	464	471	167	638	06	4 01	4 07	1 44	5 52	363	251	614	22 457	23 116 918	3 149	1 636 907
OFFICE				4	4	4	2	6		43	43	21	64		7	7	1 585	1 881 638	311	
GRAND TOTAL OR AVERAGE	7	2	13	453	468	475	169	644	06	3 74	3 80	1 35	5 15	336	232	568	24 042	24 998 556	3 460	1 636 907

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 HOURS AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT ALL COMBINATION TOTAL OPERATIONS IN THE UNITED STATES, 1981

WORK LOCATION	NUMBER OF INJURIES										(DS) HOURS						AVERAGE SEVERITY		
	FATAL	NFI				TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	PERMANENT	TOTAL NFI		TOTAL FATAL AND NFI	PERMANENT PARTIAL	IFPD RISKY	TOTAL FATAL AND NFI			
		TOTAL		IFPD RISKY	TOTAL NFI														
		TOTAL	PARTIAL																
											TOTAL	PARTIAL							
UNDERGROUND MINES UNDERGROUND SURFACE AT UNDERGROUND TOTAL OR AVERAGE SURFACE MINES STRIP MINING AUGER QUARRY 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	1 1 2 4 4 6 1 7 7 7	1 1 2 1 1 2 1 2 2 2	3 2 5 4 5 10 3 13 13	126 50 176 116 10 2 128 364 145 449 4 453	130 53 182 121 11 2 134 316 148 464 4 466	131 53 184 125 11 2 138 322 149 471 4 475	41 17 58 53 5 2 58 116 51 167 2 169	172 70 242 178 16 2 196 438 200 638 6 644	6 000 6 000 12 000 24 000 24 000 36 000 6 000 42 000 42 000	6 000 6 000 6 000 6 000 6 000 12 000 6 000 12 000 12 000	175 500 675 210 400 610 1 285 150 1 435 1 435	4 534 1 578 6 112 3 083 685 110 3 888 10 000 5 528 15 528 65 15 593	10 709 2 078 12 787 9 293 1 095 110 10 498 23 285 5 678 28 963 65 29 028	58 250 135 52 400 122 128 50 110 110	36 32 35 27 70 55 30 33 38 35 16 34	128 152 135 266 100 55 250 184 78 151 16 150			

TABLE 4. INJURY EXPERIENCE BY SECTOR, MONTHLY AND ANNUAL AVERAGE FOR GROUP A, 1960-1969, AND EMPLOYMENT FOR GROUP A, 1960-1969, IN THE UNITED STATES, 1960

GROUP A, 1960-1969 EMPLOYMENT, BY GROUP	NUMBER OF INJURIES						INJURY RATES								SEVERITY MEASURES			AVERAGE NUMBER OF ADJUSTED INJURIES	EMPLOYEES OF GROUPS A, B, AND C	NUMBER OF ADJUSTED INJURIES PER 100 EMPLOYEES	ADJUSTED NUMBER OF ADJUSTED INJURIES
	TOTAL	NEW				TOTAL PER 100 EMPLOYEES	TOTAL PER 100 EMPLOYEES	TOTAL PER 100 EMPLOYEES	TOTAL PER 100 EMPLOYEES	TOTAL PER 100 EMPLOYEES	TOTAL PER 100 EMPLOYEES	TOTAL PER 100 EMPLOYEES	TOTAL PER 100 EMPLOYEES	TOTAL PER 100 EMPLOYEES	TOTAL PER 100 EMPLOYEES						
		TOTAL	PER 100 EMPLOYEES	PER 100 EMPLOYEES	PER 100 EMPLOYEES																
																PERMANENT	PERMANENT				
MANUFACTURING AND CONSTRUCTION	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000			
MINING AND QUARRYING	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000			
TRANSPORTATION AND COMMUNICATIONS	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000			
WHOLESALE AND RETAIL TRADE	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000			
FINANCIAL AND REAL ESTATE	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000			
GOVERNMENT	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000			
OTHER	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000			
TOTAL	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000			

TABLE 4. INJURY EXPERIENCE BY DEGREE, WORK TIME, AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALL CONTAINER LOAD OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES										INCIDENT RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF WORK LOCATIONS	PRODUCTION (SHORT TONS)											
	FATAL	NFI					TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI																		
		PERMANENT		TEMPORARY	TOTAL NFI	TOTAL FATAL AND NFI																												
		TOTAL	PARTIAL																															
TOTAL OR AVERAGE SURFACE	2			1	1	23	10	11	34	36	7	43	28	4	16	5	04	98	6	02	1	279	1	916	2	050	1	479	111	568 295				
1	1					10		11		12	1	18	11	1	16	2	26	1	13	13	1	632	2	714	3	018	2	307	150	290 263				
5						19		20		30	2	39	09	2	46	2	50	1	14	14	2	538	3	542	3	063	2	442	162	365 249				
10						34		29	4	30	1	43		2	68	2	86	1	15	15	2	538	3	542	3	063	2	442	162	365 249				
20						27		4	4	24	2	21		2	86	2	86	1	43	43	4	538	3	542	3	063	2	442	162	365 249				
30						23		2	2	24	2	45		2	50	2	42	2	19	19	4	538	3	542	3	063	2	442	162	365 249				
40						1						2						2	2	2	4	538	3	542	3	063	2	442	162	365 249				
50																															25 719			
100						126		134		138		196			2	21	2	34	98	3	32	406	178	594	10	831	11	810	862	1	358 546			
TOTAL OR AVERAGE MINING	4					44		46		50		61			37	4	15	4	107	107	2	281	207	2	488	3	144	2	104	519	687 489			
1	1					19		20		30		39			46	2	50	1	17	17	2	485	430	2	536	2	000	2	578	208	299 263			
5						50		52		62		68			93	2	98	2	32	32	4	485	430	2	536	2	000	2	578	208	299 263			
10						34		36		57		77			93	3	93	3	126	126	4	377	79	496	3	337	2	631	3	484	792	503 300		
20						29		30		30		40			3	53	6	15	1	1	377	976	377	976	1	305	1	305	1	526	324	136 892		
30						98		102		102		149			6	15	1	15	2	84	8	406	105	105	1	264	2	371	3	314	579			
40						10		10		10		12			1	16	1	16	33	33	1	406	105	105	1	264	2	371	3	314	579			
50						304		316		322		438			3	51	3	54	1	1	406	263	263	17	663	17	457	17	714	397	2	425	1	636 907
100						438		438		438		516			3	51	3	54	1	1	406	263	263	17	663	17	457	17	714	397	2	425	1	636 907
150						116		116		116		116			3	51	3	54	1	1	406	263	263	17	663	17	457	17	714	397	2	425	1	636 907
TOTAL OR AVERAGE PROCESSING PLANTS	1					22		22		22		27			30	10	32	10	2	2	1	164	610	610	724	724	426	230	426	230	347	680 269		
1						20		20		20		24			27	10	30	10	2	2	1	164	610	610	724	724	426	230	426	230	347	680 269		
5						18		18		18		24			27	10	30	10	2	2	1	164	610	610	724	724	426	230	426	230	347	680 269		
10						52		52		52		62			62	10	30	10	2	2	1	164	610	610	724	724	426	230	426	230	347	680 269		
20						20		20		20		24			27	10	30	10	2	2	1	164	610	610	724	724	426	230	426	230	347	680 269		
30						20		20		20		24			27	10	30	10	2	2	1	164	610	610	724	724	426	230	426	230	347	680 269		
40						20		20		20		24			27	10	30	10	2	2	1	164	610	610	724	724	426	230	426	230	347	680 269		
50						20		20		20		24			27	10	30	10	2	2	1	164	610	610	724	724	426	230	426	230	347	680 269		
100						145		145		145		175			175	10	30	10	2	2	1	164	610	610	724	724	426	230	426	230	347	680 269		
150						3		3		3		3			3	10	32	10	2	2	1	164	610	610	724	724	426	230	426	230	347	680 269		
TOTAL OR AVERAGE	1					145		145		145		175			175	10	30	10	2	2	1	164	610	610	724	724	426	230	426	230	347	680 269		

TABLE 4 INJURY EXPERIENCE BY DEGREE WORKTIME AND PRODUCTION FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT ALL CONSTRUCTION OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES										INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF HOURS	NUMBER OF WORK LOCATIONS	PRODUCTION (SHORT TONS)																		
	FATAL	NONFATAL				TOTAL INJURIES	FATAL	NONFATAL	TOTAL FATAL AND NONFATAL	FATAL	NONFATAL	ALL FATAL AND NONFATAL	FATAL	FATAL AND NONFATAL	FATAL	FATAL AND NONFATAL	FATAL	FATAL AND NONFATAL																						
		TOTAL	PARTIAL	EMPLOYED	TOTAL FATAL AND NONFATAL														FATAL				NONFATAL	ALL FATAL AND NONFATAL	FATAL	NONFATAL	ALL FATAL AND NONFATAL	FATAL	NONFATAL	ALL FATAL AND NONFATAL										
																															TOTAL	PARTIAL	EMPLOYED	TOTAL FATAL AND NONFATAL	FATAL	NONFATAL	ALL FATAL AND NONFATAL	FATAL	NONFATAL	ALL FATAL AND NONFATAL
TOTAL OR AVERAGE ALL MINES AND PLANTS	4	2	13	449	464	471	167	638	36	401	407	144	532	363	251	614	22,457	23,116,918	3,341	1,636,307																				
OFFICE	4	1	1	1	1	1	1	2	52	52	52	52	104	5	5	5	440	383,488	253	697,492																				
CONSTRUCTION	1	1	3	3	3	3	1	4	196	196	196	65	261	36	36	36	2,560	2,074,008	277	299,763																				
MANUFACTURING	1	1	4	4	4	4	2	6	43	43	43	21	64	7	7	7	1,361	1,460,568	19	136,952																				
TOTAL OR AVERAGE	6	3	8	8	8	8	4	12	107	107	107	34	121	46	36	68	3,241	3,538,064	311	1,636,307																				
GRAND TOTAL OR AVERAGE	4	2	13	449	464	471	167	638	36	401	407	144	532	363	251	614	22,457	23,116,918	3,341	1,636,307																				
1-4	2	1	1	1	1	1	1	2	52	52	52	52	104	5	5	5	440	383,488	253	697,492																				
5-9	1	1	3	3	3	3	1	4	196	196	196	65	261	36	36	36	2,560	2,074,008	277	299,763																				
10-19	1	1	4	4	4	4	2	6	43	43	43	21	64	7	7	7	1,361	1,460,568	19	136,952																				
20-34	1	1	4	4	4	4	2	6	43	43	43	21	64	7	7	7	1,361	1,460,568	19	136,952																				
35-49	1	1	4	4	4	4	2	6	43	43	43	21	64	7	7	7	1,361	1,460,568	19	136,952																				
50-99	1	1	4	4	4	4	2	6	43	43	43	21	64	7	7	7	1,361	1,460,568	19	136,952																				
100-149	1	1	4	4	4	4	2	6	43	43	43	21	64	7	7	7	1,361	1,460,568	19	136,952																				
150-249	1	1	4	4	4	4	2	6	43	43	43	21	64	7	7	7	1,361	1,460,568	19	136,952																				
TOTAL OR AVERAGE	7	2	13	449	464	471	167	638	36	401	407	144	532	363	251	614	22,457	23,116,918	3,341	1,636,307																				

NOTE: TABLE 1 REPORTS THE TOTAL NUMBER OF INDEPENDENT ESTABLISHMENTS REPORTING TO BLS. SOME ESTABLISHMENTS REPORT FROM MORE THAN ONE LOCATION AND ON THE SURFACE AT MULTIPLE WORK LOCATIONS. THESE ESTABLISHMENTS MAY APPEAR MULTIPLE TIMES IN TABLES 2 AND 4. IN THE COLUMN NUMBER OF WORK LOCATIONS, ESTABLISHMENTS AND TOTALS INVOLVING THESE WORK LOCATIONS IN THESE TABLES MAY DIFFER.

TABLE 5. NUMBER OF INJURIES, LOSS HOURS, AND AVERAGE SEVERITY BY TYPE FOR MINING, QUARRYING AND EMPLOYMENT SIZE GROUP AT ALL LEVELS FOR TOTAL OPERATIONS IN THE UNITED STATES, 1987

EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY					
	TOTAL	NEW			TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	FATAL	NEW			TOTAL FATAL AND NON-FATAL	TOTAL HOURS	PERMANENT	TOTAL	AVERAGE SEVERITY			
		TOTAL	FATAL	NON-FATAL				TOTAL	FATAL	NON-FATAL								
																TOTAL	FATAL	NON-FATAL
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND)	2	1	11	10	11	18	12,000	50	476	476	12,476	50	12,476	897				
1	1	1	9	8	9	13	12,000	300	130	130	13,300	300	13,300	14				
5	1	1	21	20	21	26	12,000	6,000	514	514	6,514	6,000	6,514	43				
10	1	1	27	26	27	34	12,000	325	606	606	6,927	325	6,927	22				
20	1	1	25	24	25	104	12,000	6,000	522	522	6,522	6,000	6,522	265				
30	1	1	75	74	75	10	12,000	6,000	2,848	2,848	3,173	108	3,173	41				
40	1	1	5	5	5	10	12,000	6,000	606	606	6,606	6,000	6,606	76				
100	1	1	146	145	146	342	12,000	6,000	6,112	6,112	12,187	125	12,187	135				
TOTAL OR AVERAGE																		
SURFACE MINES	2	1	24	23	24	31	12,000	60	863	863	13,013	60	13,013	482				
1	1	1	21	20	21	12	12,000	6,000	248	248	6,248	6,000	6,248	792				
5	1	1	26	25	26	43	12,000	6,000	521	521	6,521	5,000	6,521	291				
10	1	1	34	33	34	10	12,000	6,000	542	542	6,542	5,000	6,542	201				
20	1	1	27	26	27	45	12,000	6,000	144	144	6,144	5,000	6,144	36				
30	1	1	17	16	17	2	12,000	6,000	540	540	5,540	5,000	5,540	25				
40	1	1	13	12	13	2	12,000	6,000	25	25	6,025	5,000	6,025	12				
100	1	1	116	115	116	116	12,000	6,000	3,063	3,063	9,063	50	9,063	266				
TOTAL OR AVERAGE																		
ALL	1	1	7	7	7	10	12,000	400	576	576	576	400	576	82				
5	1	1	3	3	3	6	12,000	400	119	119	519	400	519	130				
TOTAL OR AVERAGE																		
QUARRYING	1	1	10	10	10	16	12,000	400	686	686	1,086	400	1,086	100				
5	1	1	2	2	2	2	12,000	110	110	110	110	110	110	55				
10	1	1	2	2	2	2	12,000	110	110	110	110	110	110	55				
TOTAL OR AVERAGE																		
TOTAL OR AVERAGE SURFACE	2	1	33	32	33	43	12,000	60	1,639	1,639	13,639	60	13,639	381				
1	1	1	21	20	21	18	12,000	400	777	777	6,777	400	6,777	265				
5	1	1	26	25	26	43	12,000	6,000	521	521	6,521	6,000	6,521	291				
10	1	1	34	33	34	10	12,000	100	542	542	6,542	50	6,542	201				
20	1	1	27	26	27	45	12,000	50	144	144	5,144	50	5,144	36				
30	1	1	17	16	17	2	12,000	50	540	540	5,540	50	5,540	25				
40	1	1	13	12	13	2	12,000	6,000	25	25	6,025	50	6,025	12				
100	1	1	116	115	116	116	12,000	6,000	3,888	3,888	10,488	122	10,488	250				
TOTAL OR AVERAGE																		

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, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI				TOTAL FATAL AND NFI	NFI	FATAL	PERMANENT			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI
		PERMANENT		TOTAL					TEMPO RARY	TOTAL NFI					
		TOTAL	PARTIAL	TOTAL	PARTIAL										
TOTAL OR AVERAGE MINING															
1-4	4	2		46		50	11	24,000		110	2,065	2,175	55	47	524
5-9	1	1		20		21	10	6,000		400	507	507	400	27	329
10-19				52		52	16			300	1,195	7,495	300	24	144
20-34	1	1		54		57	20	6,000		100	1,148	7,248	50	21	177
35-49				30		30	10				1,066	7,066			236
50-99		1		98		102	47			375	3,888	3,763	94	37	37
100-149				10		10	2				631	631		63	63
TOTAL OR AVERAGE	6	2	10	304	316	322	116	36,000		1,285	10,000	23,285	128	33	184
TOTAL OR AVERAGE															
PROCESSING PLANTS															
1-4	1			22		22	5	6,000			1,301	1,301		59	59
5-9				20		21	3				1,100	1,100		55	338
10-19				18		18	7				1,020	1,020		57	57
20-34				62		62	19			50	1,719	1,769	50	28	29
35-49		1		20		20	10				379	379		19	19
50-99				4		4	6			50	8	58	50	3	14
100-149				2		2	1			50	1	51	50	1	26
150-249															
TOTAL OR AVERAGE	1	3	145	148	149	149	51	6,000		150	5,528	11,678	50	38	78
TOTAL OR AVERAGE															
ALL MINES AND PLANTS															
1-4	4	2		68		72	16	24,000		110	3,366	3,476	55	51	382
5-9	2	1		40		42	13	12,000		400	1,607	2,007	400	41	334
10-19				70		70	23			300	2,215	8,515	300	33	122
20-34		1		118		119	38	6,000		150	2,857	3,017	50	25	176
35-49				50		50	20				1,445	7,445		29	149
50-99		1		106		106	53			475	3,386	3,821	85	34	36
100-149				12		12	2			50	632	682	50	57	57
150-249															
TOTAL OR AVERAGE	7	2	13	449	464	471	167	42,000		1,435	15,528	28,963	110	35	151
TOTAL OR AVERAGE															
OFFICE															
1-4				1		1	1							10	10
5-9				3		3	1							18	18
10-19				4		4	2							16	16
TOTAL OR AVERAGE															

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, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY					
	FATAL	NFI				TOTAL FATAL AND NFI	NFI	FATAL	PERMANENT			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI			
		TOTAL		PARTIAL					TOTAL NFI									
		TOTAL	PARTIAL	TEMPO RARY														
					TOTAL					PARTIAL								
GRAND TOTAL OR AVERAGE	4	2	13	453		468	475	169	644		42,000	12,000	1,435	15,593	29,028	71,028	110	34
1 - 4	2	1	1	67	69	73	17	90	24,000	6,000	6,000	110	3,376	3,486	27,486	55	50	377
5 - 9	1	1	1	39	40	42	13	55	12,000	6,000	6,000	400	1,607	2,007	14,007	400	41	334
10 - 19	1	1	3	71	73	73	24	97	6,000	6,000	6,000	300	2,270	8,570	8,570	300	32	117
20 - 34	1	1	49	115	118	119	39	158	6,000	6,000	6,000	150	2,867	3,017	9,017	50	25	76
35 - 49	1	1	5	49	50	50	20	70	6,000	6,000	6,000	425	1,445	7,445	7,445	85	29	149
50 - 99	1	1	11	101	106	106	53	159	6,000	6,000	6,000	50	3,306	3,821	3,821	50	34	36
100 - 149	1	1	1	11	12	12	2	14	6,000	6,000	6,000	50	632	682	682	50	57	57
150 - 249	7	2	13	453	468	475	169	644	42,000	12,000	12,000	1,435	15,593	29,028	71,028	110	34	150
TOTAL OR AVERAGE	7	2	13	453	468	475	169	644	42,000	12,000	12,000	1,435	15,593	29,028	71,028	110	34	150

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, 1991

WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	TEMPO- RARY			TOTAL NFDL							
UNDERGROUND MINES.														
ALABAMA	-	1	8	9	9	1	1	10	50	47	97	50	6	11
COLORADO	-	-	12	12	12	1	3	15	-	188	188	-	16	16
ILLINOIS	-	-	24	24	24	3	2	36	-	799	799	-	33	33
KENTUCKY	-	-	3	3	3	-	-	5	-	10	10	-	3	3
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	7	8	8	-	-	9	-	664	739	75	95	92
ANTHRACITE	-	1	7	8	8	-	-	9	75	664	739	75	95	92
BITUMINOUS	-	-	7	8	8	-	-	9	75	27	77	50	9	19
ALL COAL	-	-	3	4	4	-	-	6	50	698	698	50	41	41
UTAH	-	-	17	17	17	-	-	18	-	2,101	8,101	-	40	261
VIRGINIA	-	-	52	53	54	-	-	72	-	-	-	-	-	-
WEST VIRGINIA	1	1	-	-	-	6,000	-	-	6,000	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE	1	1	3	126	131	6,000	6,000	172	6,000	4,534	15,709	58	36	128
BITUMINOUS	1	1	126	130	131	6,000	6,000	172	6,000	4,534	15,709	58	36	128
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE AT UNDERGROUND														
ALABAMA	-	-	2	2	2	-	-	1	-	206	206	-	103	103
COLORADO	-	-	2	2	2	-	-	3	-	13	13	-	6	6
ILLINOIS	-	-	1	1	1	-	-	1	-	2	2	-	2	2
INDIANA	-	-	7	7	7	-	-	8	-	247	247	-	35	35
KENTUCKY	-	-	2	2	2	-	-	3	-	2	2	-	1	1
MARYLAND	-	-	-	-	-	-	-	1	-	-	-	-	-	-
NEW MEXICO	1	1	1	1	1	6,000	-	1	-	17	17	-	17	17
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	1	1	1	-	-	1	-	6	6	-	6	6
ANTHRACITE	-	-	12	13	13	-	-	14	200	362	562	200	30	43
BITUMINOUS	-	1	13	14	14	-	-	15	200	368	568	200	28	41
ALL COAL	-	-	4	4	4	-	-	6	-	21	21	-	5	5
UTAH	-	-	4	4	4	-	-	8	-	202	202	-	50	50
VIRGINIA	-	-	4	4	4	-	-	15	300	500	800	300	36	53
WEST VIRGINIA	-	-	14	15	15	-	-	1	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	1	1	1	-	-	1	-	6	6	-	6	6
ANTHRACITE	1	1	49	51	52	6,000	6,000	69	6,000	1,572	2,072	250	32	155
BITUMINOUS	1	1	50	52	53	6,000	6,000	70	6,000	1,578	2,078	250	32	152
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI	
		PERMANENT	TEMPORARY	TOTAL NFDI					TOTAL	PARTIAL	TEMPORARY					TOTAL NFDI
TOTAL OR AVERAGE, U.S.																
ALABAMA		1	8	9	9	2	11		50	47	97	50	6	11		
COLORADO			2	2	2	4	4			206	206		103	103		
ILLINOIS			14	14	14	4	18			201	201		14	14		
INDIANA			1	1	1	1	1			2	2		2	2		
KENTUCKY			31	31	31	13	44			1,046	1,046		34	34		
MARYLAND			5	5	5	3	8			12	12		2	2		
NEW MEXICO	1						1	5,000		17	17		17	6,000		
OHIO			1	1	1		1									
PENNSYLVANIA			1	1	1		1			6	6		6	6		
ANTHRACITE		2	19	21	21	2	23			1,026	1,301	138	54	62		
BITUMINOUS		2	20	22	22	2	24			1,032	1,307	138	52	59		
ALL COAL		1	7	8	8	8	16			48	98	50	7	12		
UTAH			21	21	21	5	26			900	900		43	43		
VIRGINIA			56	56	56	18	87	5,000	5,000	300	8,901	300	39	216		
WEST VIRGINIA	1	1				1	1									
WYOMING																
TOTAL OR AVERAGE																
ANTHRACITE	2	1	175	181	183	58	241	12,000	6,000	675	6	135	35	135		
BITUMINOUS	2	1	176	182	184	58	242	12,000	6,000	675	6	135	35	135		
ALL COAL																
SURFACE MINES																
STRIP	1		1	2	2	1	3	6,000	6,000	56	6,056		56	3,028		
ALABAMA																
ARIZONA			2	2	2	1	1			4	4		2	2		
INDIANA			33	34	34	5	39			923	983	60	28	29		
KENTUCKY		1								5	5		5	5		
LOUISIANA																
MISSOURI																
MONTANA			6	6	6	4	10			80	80		13	13		
NEW MEXICO			2	2	2	2	5			65	65		32	32		
NORTH DAKOTA			1	1	1	1	2			85	85	50	85	2,045		
OHIO	1		2	2	2	1	3	5,000		46	46		23	23		
PENNSYLVANIA																
ANTHRACITE			6	6	7	1	8	5,000		393	393		66	913		
BITUMINOUS	1		6	6	7	1	8	5,000		393	393		66	913		
ALL COAL	1		27	27	27	17	44			449	549	50	18	20		
TEXAS		2	25	27	27	1	2			30	30		30	30		
VIRGINIA			1	1	1	2	2									
WASHINGTON																
WEST VIRGINIA	2		18	18	20	4	24	12,000		447	12,447		25	622		
WYOMING			18	18	18	14	32			500	500		28	28		
TOTAL OR AVERAGE																
ANTHRACITE	4	1	116	121	125	53	178	24,000	6,000	210	9,293	52	27	266		
BITUMINOUS	4	1	116	121	125	53	178	24,000	6,000	210	9,293	52	27	266		
ALL COAL																

TABLE 7 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL CONRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFID			TOTAL FATAL AND NFID	TOTAL INJURIES	FATAL	NFID			TOTAL FATAL AND NFID	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFID	
		PERMANENT		TOTAL				PERMANENT		TOTAL					
		TOTAL	PARTIAL					TOTAL	PARTIAL						
ALABAMA		1		1	1					54			54		54
ALABAMA		2		2	3					57			57		28
ALABAMA		1		1	1					62			62		140
ALABAMA		1		1	2					140			140		
ALABAMA															
ALABAMA		1		1	4					400			400		400
ALABAMA		1		1	4					400			400		400
ALABAMA		5		5	5					382			382		76
ALABAMA															
ALABAMA		10		11	16					1,095			1,095		100
ALABAMA		10		11	16					1,095			1,095		100
ALABAMA															
ALABAMA		1		1	1					85			85		85
ALABAMA		1		1	1					85			85		25
ALABAMA		1		1	1					25			25		
ALABAMA															
ALABAMA		2		2	2					110			110		55
ALABAMA		2		2	2					110			110		55
ALABAMA															
ALABAMA		2		3	4			5,000		6,110			6,110		2,037
ALABAMA															
ALABAMA		2		2	1					57			57		28
ALABAMA		3		3	3					66			66		22
ALABAMA		34		35	41					1,123			1,123		32
ALABAMA		1		1	5					5			5		5
ALABAMA															
ALABAMA		6		6	1					80			80		13
ALABAMA		2		2	4					65			65		32
ALABAMA		2		2	2					135			135		85
ALABAMA										46			46		23
ALABAMA															
ALABAMA		3		3	13					878			878		764
ALABAMA		8		9	13					878			878		764
ALABAMA		27		27	44					549			549		20
ALABAMA		2		2	2					55			55		28
ALABAMA															
ALABAMA		23		23	26			12,000		829			829		36
ALABAMA		18		18	32					500			500		28
ALABAMA															
ALABAMA															
ALABAMA		1		1	196			24,000		3,888			3,888		30
ALABAMA		1		1	196			24,000		3,888			3,888		30

TABLE 7 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL CONTINUOUS TOTAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY					
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT-PARTIAL	TEMPORARY	TOTAL FATAL AND NFI				
		PERMANENT	TEMPORARY	TOTAL NFI				PERMANENT	TEMPORARY	TOTAL NFI								
															TOTAL	PARTIAL	TOTAL	PARTIAL
TOTAL OR AVERAGE, MINING																		
ALABAMA		1	1	10	12			6,000		50	6,207		50	6,207	517			
ARIZONA				2	2						206			206	103			
COLORADO				16	16						258			258	16			
ILLINOIS				4	4						68			68	17			
INDIANA				65	66						2,169			2,169	33			
KENTUCKY		1	1	5	5						5			5	5			
LOUISIANA				1	1						12			12	2			
MARYLAND				5	5						80			80	13			
MISSOURI				6	6						65			65	37			
MONTANA				2	2			6,000			135			135	85			
NEW MEXICO	1	1	3	3	3			6,000		50	63			63	21			
NORTH DAKOTA				1	1						6			6	6			
OHIO				26	29			6,000			1,504			1,504	273			
PENNSYLVANIA		3	3	27	30			6,000			675			675	56			
ANTHRACITE	1			3	3			6,000			100			100	20			
BITUMINOUS	1			25	27						48			48	12			
ALL COAL		2	2	23	23						955			955	42			
TEXAS		1	1	89	91			18,000		300	9,730		300	9,730	295			
UTAH				18	18					500	500		28	500	28			
VIRGINIA																		
WASHINGTON	3	1	1															
WEST VIRGINIA																		
WYOMING																		
TOTAL OR AVERAGE																		
ANTHRACITE	6	2	10	303	315	1	36,000	12,000		1,285	59,279		128	59,279	6			
BITUMINOUS	6	2	10	304	316	1	36,000	12,000		1,285	59,285		128	59,285	185			
ALL COAL															184			
PROCESSING PLANTS																		
ILLINOIS				4	4						102			102	26			
KENTUCKY				28	29						1,574			1,574	254			
MARYLAND	1	1	1	6	6		6,000			50	7,624		50	7,624	10			
MONTANA				5	5						37			37	7			
NORTH DAKOTA				1	1					50	50		50	50	50			
OHIO				1	1						24			24	24			
OKLAHOMA				1	1						7			7	7			
PENNSYLVANIA																		
ANTHRACITE				2	2						102			102	51			
BITUMINOUS				7	7						236			236	34			
ALL COAL				9	9						338			338	38			
TENNESSEE				1	1						226			226	226			
UTAH				2	2						24			24	12			
VIRGINIA				5	5						56			56	11			
WEST VIRGINIA				69	70					50	2,946		50	2,946	42			
WYOMING				14	14						187			187	13			
TOTAL OR AVERAGE																		
ANTHRACITE	1	3	2	143	146	2	6,000			150	102			102	51			
BITUMINOUS	1	3	2	145	148	2	6,000			150	5,426			5,426	38			
ALL COAL											5,528			5,528	78			

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, 1991 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NDI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	
		PERMANENT	TEMPORARY						TOTAL	PARTIAL	TOTAL					PARTIAL
			TOTAL	PARTIAL												
TOTAL OR AVERAGE																
ALL MINES AND PLANTS																
ALABAMA		1	1	10	12	12	3	15	50	157	6,207	50	16	517		
ARIZONA				2	2	2	1	1			206	206	103	103		
COLORADO				20	20	20	8	28			360	360	18	18		
ILLINOIS				4	4	4	4	4			68	68	17	17		
INDIANA				93	95	96	27	123			3,793	9,793	40	40		
KENTUCKY	1	2		11	11	11	6	17	110		5	5	5	5		
LOUISIANA				11	11	11	1	1			69	69	6	6		
MARYLAND				11	11	11	1	1			117	117	11	11		
MISSOURI				2	2	2	6	17			65	65	32	32		
MONTANA	1			1	3	4	3	3	6,000		185	6,065	50	50		
NEW MEXICO	1	2		4	4	4	2	6	5,000		87	6,185	85	85		
NORTH CAROLINA				1	1	1	1	1			7	7	7	7		
OHIO				3	3	3	8	3			108	108	36	36		
OKLAHOMA				33	36	37	8	45	6,000		1,740	8,415	225	225		
PENNSYLVANIA	1	3		36	39	40	8	48	6,000		2,523	8,523	53	53		
ANTHRACITE	1	3		1	1	1	1	1			226	226	226	226		
BITUMINOUS				25	27	27	17	44			549	549	18	18		
ALL COAL				9	10	10	9	19			122	122	8	8		
TENNESSEE		2		28	28	28	7	35			1,011	1,011	36	36		
TEXAS		1		158	161	164	2	197			6,326	30,676	40	40		
UTAH	3	1	2	32	32	32	32	64	18,000		687	30,687	21	21		
VIRGINIA																
WASHINGTON				3	3	3		3			108	108				
WEST VIRGINIA		13		446	468	468	167	635	42,000		15,420	28,855	36	36		
WYOMING	7	2		449	471	471	167	638	42,000		15,528	28,963	35	35		
	7	2	13													
TOTAL OR AVERAGE																
ANTHRACITE				1	1	1		1			13	13		13		
BITUMINOUS				1	1	1		1			10	10		10		
ALL COAL				2	2	2	1	3			42	42		21		
OFFICE																
KENTUCKY																
MARYLAND																
WEST VIRGINIA																
WYOMING																
TOTAL OR AVERAGE																
ANTHRACITE				4	4	4	2	6			65	65		16		
BITUMINOUS				4	4	4	2	6			65	65		16		
ALL COAL																

TABLE 7 NUMBER OF INJURIES, LOSS WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL CONSTRUCTION COAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						TOTAL FATAL AND NFI	NDI	TOTAL INJURIES	FATAL	NFI				TOTAL FATAL AND NFI	AVERAGE SEVERITY									
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES					FATAL	NFI				TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI			
		TOTAL	PARTIAL	TEMPORARY								TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI									TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI
GRAND TOTAL OR AVERAGE		1	1	10	12	3	15		6,000	50	157	6,207	50	15	517	50	15	517							
ALABAMA																									
ARIZONA																									
COLORADO																									
ILLINOIS																									
INDIANA																									
KENTUCKY																									
LOUISIANA																									
MARYLAND																									
MISSOURI																									
MONTANA																									
NEW MEXICO																									
NORTH DAKOTA																									
OHIO																									
OKLAHOMA																									
PENNSYLVANIA																									
ANTHRACTITE																									
BITUMINOUS																									
ALL COAL																									
TENNESSEE																									
TEXAS																									
UTAH																									
VIRGINIA																									
WASHINGTON																									
WEST VIRGINIA																									
WYOMING																									
TOTAL OR AVERAGE																									
ANTHRACTITE																									
BITUMINOUS																									
ALL COAL																									

[illegible]

TABLE 8. NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL CONTRACTOR LOCAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES					
	FATAL	NFI				TOTAL FATAL AND NFI	NDI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	NDI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI	
		PERMANENT	TEMPORARY		TOTAL NFI												
			TOTAL	PARTIAL													
TOTAL OR AVERAGE, US																	
EAR				8	8	8	1	1		27	27	03	03		1	1	03
EYE				1	1	1	6	14		03	03	20	03		1	1	47
JAW							2	2				07	07		1	1	03
MOUTH/TEETH/TONGUE							1	1				03	03		1	1	03
NOSE				4	4	4	1	5		14	14	03	03		1	1	17
HEAD, NEC				3	3	3	1	4		10	10	03	03		2	2	14
NECK							1	1				03	03				03
ELBOW				2	2	2	2	6		07	07	07	07		9	9	07
FOREARM				4	4	4	2	14		14	14	07	07		2	2	20
WRIST				7	7	7	5	12		24	24	17	17		5	5	41
HAND				21	24	24	12	36		81	81	41	41		44	44	220
FINGER(S)		3		5	5	5	1	6		17	17	03	03		4	4	20
UPPER EXTREMITIES, NEC				3	3	3	3	3		10	10	10	10		1	1	142
ABDOMEN				35	36	36	6	42		122	122	20	20		233	233	233
BACK		1		3	3	3	1	4		10	10	03	03		2	2	03
CHEST				3	3	3	1	4		20	20	03	03		7	7	24
PELVIC REGION				4	4	4	1	7		20	20	03	03		7	7	24
SHOULDER(S)		2		9	9	9	1	10		30	30	03	03		12	12	34
THORAX, NEC				7	7	7	1	8		24	24	03	03		6	6	27
THIGH				7	7	7	2	9				07	07				07
KNEE				8	8	8	8	16		27	27	03	03		16	16	27
LOWER LEG				1	1	1	1	2		03	03	03	03		1	1	07
ANKLE				7	7	7	3	10		24	24	10	10		2	2	34
FOOT				6	6	6	1	7		20	20	03	03		1	1	24
TOE(S)				1	1	1	1	1		03	03	03	03		1	1	03
LOWER EXTREMITIES, NEC				12	12	12	3	15		41	41	10	10		17	17	51
BODY SYSTEMS	1			1	1	1	2	3		03	03	07	07	203	1	1	07
MULTIPLE PARTS OF BODY	1			22	22	23	5	28		73	78	17	17	203	46	203	95
UNCLASSIFIED				2	2	2	2	2		07	07	07	07		9	9	07
TOTAL OR AVERAGE	2	1	5	176	182	184	58	242	07	617	623	196	820	407	413	850	

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, 1941 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES		
	FATAL	NFDI			TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFDI	NFI	ALL INJURIES	FATAL	NFI	ALL FATAL AND NFI
		PERMANENT	TEMPORARY	TOTAL NFI											
SURFACE MINES															
STRIP				6	6	6		3		10	05	05			(*)
EAR								6			10	03			
EYE								6			10	10			
JAW				1	1	1		1		02	02	02			
MOUTH/TEETH/TONGUE								1							
SKULL				2	2	2		1		01	02	02			107
FACE, NEC				4	4	4		1		07	07	07			
HEAD, NEC	1			3	3	3		4		05	05	02			
NECK				3	3	3		1		02	02	02			141
ELBOW				1	1	1		1		02	02	02			142
FOREARM				1	1	1		1		02	02	02			142
Wrist				1	1	1		1		04	04	12			1
HAND				4	4	4		7		04	04	16			4
FINGER(S)			1	2	2	2		9		03	03	02			4
UPPER EXTREMITIES, NEC				2	2	2		3		49	49	03			1
BACK				28	28	28		2		07	07	03			105
CHEST	1			1	1	1		6		09	10	02			105
PELVIC REGION			3	4	4	4		1		07	07	03			105
SHOULDER(S)				6	6	6		2		10	10	03			3
TRUNK, NEC				4	4	4		4		07	07	03			3
THIGH				1	1	1		2		02	02	02			141
KNEE				5	5	5		3		09	09	05			2
LOWER LEG				1	1	1		1		02	02	02			2
ANKLE				6	6	6		1		10	10	02			4
FOOT				4	4	4		1		07	07	07			2
TOE(S)				2	2	2		1		01	01	02			2
LOWER EXTREMITIES, NEC				2	2	2		2		03	03	03			142
BODY SYSTEMS	2			20	21	23		2		03	37	40			327
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE	4	1	4	116	121	125		53		07	2 12	2 18	93	162	582
AUGER															
FACE, NEC								1				84			84
HEAD, NEC								1				84			84
WRIST								1				84			84
FINGER(S)								1				84			84
BACK			1	2	2	2		1		84	84	84			336
TRUNK, NEC				3	3	3		1		1 68	1 68	84			91
LOWER EXTREMITIES, NEC				1	1	1		1		2 52	2 52	2 52			296
BODY SYSTEMS				4	4	4		1		84	84	84			3
MULTIPLE PARTS OF BODY										3 36	3 36	3 36			194
TOTAL OR AVERAGE				10	11	11		5		9 24	9 24	4 20	13 44	920	920
COAL MINES															
BACK				1	1	1		1		1 86	1 86	1 86			47
MULTIPLE PARTS OF BODY				1	1	1		1		1 86	1 86	1 86			158
TOTAL OR AVERAGE				2	2	2		2		3 73	3 73	3 73			205

TABLE 8 NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT 211 CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1951 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			
	FATAL	PERMANENT		TEMPORARY	TOTAL NFDI	TOTAL FATAL AND NFDI	NFDI	TOTAL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI	NFI	ALL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI
		TOTAL	PARTIAL													
PROCESSING PLANTS																
EAR			16		16		16		1		59		04		2	2
EYE			1		1		1		25		04		04		14	14
MOUTH/TEETH/TONGUE			1		1		1		3		04		07		1	1
NOSE			1		1		1		3		04		04		3	3
FACE, NEC			3		3		3		4		11		15		5	5
HEAD, NEC			2		2		2		4		07		11		11	11
NECK			3		3		3		3		11		11		11	11
ELBOW			1		1		1		1		04		04		14	14
FOREARM			2		2		2		4		07		15		14	14
WREST			1		1		1		1		04		04		14	14
HAND			9		9		9		1		04		04		14	14
FINGER (S)			2		2		2		8		33		30		5	5
UPPER EXTREMITIES, NEC			2		2		2		1		07		04		1	1
ABDOMEN	1		1		1		1		2		07		04		3	3
BACK			40		40		40		2		04		07	222	14	222
CHEST			2		2		2		2		148		07		14	14
PRIVATE REGION			2		2		2		2		07		07		1	1
SHOULDER		3	6		9		9		9		33		33		14	14
TRUNK, NEC			4		4		4		1		15		04		8	8
THIGH			4		4		4		4		15		15		4	4
KNEE			2		2		2		1		07		04		14	14
LOWER LEG			9		9		9		2		33		07		10	10
ANKLE			1		1		1		1		19		04		3	3
FOOT			5		5		5		2		19		07		26	26
100 (S)			4		4		4		4		15		15		2	2
LOWER EXTREMITIES, NEC			6		6		6		1		22		04		04	04
BODY, EXCEPT			2		2		2		5		22		19		27	27
MULTIPLE PARTS OF BODY			17		17		17		1		07		04		14	14
TOTAL OR AVERAGE	1	3	145		145		145		51		04	548	189	222	210	432

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES				
	FATAL	PERMANENT			TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		TOTAL		PARTIAL													
		TOTAL															
		TOTAL															
GRAND TOTAL OR AVERAGE																	
EAR																	
EYE																	
JAW																	
MOUTH/TEETH/TONGUE																	
NOSE																	
SKULL																	
FACE, NEC																	
HEAD, NEC																	
NECK																	
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	7	2	13	453	468	475	169	644	644	336	232	568	568	568	568	568	568

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 1991

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFI				TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI					
		PERMANENT	TEMPORARY	TOTAL NFI	TOTAL					PERMANENT	PARTIAL	TOTAL NFI			
													TOTAL	PARTIAL	TOTAL
UNDERGROUND MINES															
UNDERGROUND															
EAR		7			7					16		2	2	2	
EYE		1			1					2		2	2	2	
JAW															
NOSE		3			3					30		10	10	10	
HEAD, NEC		3			3					48		16	16	16	
NECK		2			2					257		128	128	128	
FOREARM		2			2					6		3	3	3	
WRIST		6			6					92		15	15	15	
HAND		18			19					691		34	34	34	
FINGERS		4			4					271		68	68	68	
UPPER EXTREMITIES, NEC		26			27					502	75	233	244	244	
BACK		2			2					28		14	14	14	
CHEST		3			3					200	50	39	39	39	
PELVIC REGION		9			9					347		23	23	23	
SHOULDER(S)		5			5					117		60	60	60	
TRUNK, NEC		8			8					476		16	16	16	
THIGH		3			3					48		6	6	6	
KNEE		3			3					26		2	2	2	
LOWER LEG		4			4					262		33	33	33	
ANKLE		1			1					5		5	5	5	
FOOT		8			8					968		108	108	108	
TOES		1			1					225		225	225	225	
LOWER EXTREMITIES, NEC		1			1					16,709	58	36	128	128	
BODY SYSTEMS															
MULTIPLE PARTS OF BODY															
UNCLASSIFIED															
TOTAL OR AVERAGE	1	1	3	126	130	131	41	172	6,000	10,709	58	36	128	128	
SURFACE AT UNDERGROUND															
EYE		1			1					1		1	1	1	
MOUTH/TEETH/TONGUE		1			1					4		4	4	4	
HEAD, NEC		1			1					52		26	26	26	
ELBOW		2			2					53		35	35	35	
WRIST		3			3					605	250	2	121	121	
HAND		3			3					19		6	6	6	
FINGERS		3			3					278		31	31	31	
UPPER EXTREMITIES, NEC		2			2					21		2	2	2	
ABDOMEN		1			1					69		34	34	34	
BACK		1			1					10		2	2	2	
CHEST		2			2					7		4	4	4	
PELVIC REGION		1			1					238		60	60	60	
TRUNK, NEC		1			1					6,000		52	52	52	
LOWER LEG		4			4					674		34	34	34	
ANKLE		2			2					2		2	2	2	
FOOT		4			4					2,078	250	32	152	152	
LOWER EXTREMITIES, NEC		13			13										
BODY SYSTEMS		1			1										
MULTIPLE PARTS OF BODY															
UNCLASSIFIED															
TOTAL OR AVERAGE	1	2	50	52	53	53	17	70	6,000	1,578	250	32	152	152	

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	NOI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI		
		PERMANENT	TOTAL						TEMPORARY	TOTAL NFDI							
			TOTAL	PARTIAL													
											TOTAL					PARTIAL	
TOTAL OR AVERAGE, UG																	
EAR				8	8	1	1								2	2	
EYE				1	1		6								2	2	
JAW							2										
MOUTH/TEETH/TONGUE							1										
NOSE				4	4		1										
HEAD, NEC				3	3		1										
NECK							4								8	8	
ELBOW							1								16	16	
FOREARM							1										
WRIST				2	2		2										
HAND				4	4		6										
FINGER(S)				7	7		5										
UPPER EXTREMITIES, NEC				24	24		12										
ABDOMEN				5	5		3										
BACK				36	36		6										
CHEST				3	3		4										
PELVIC REGION				6	6		1										
SHOULDER(S)				9	9		1										
TRUNK, NEC				7	7		8										
THIGH							2										
KNEE				8	8		8										
LOWER LEG				1	1		1										
ANKLE				7	7		3										
FOOT				6	6		1										
TOE(S)				1	1		1										
LOWER EXTREMITIES, NEC				12	12		3										
BODY SYSTEMS	1			1	1		2										
MULTIPLE PARTS OF BODY	1			22	22		5										
UNCLASSIFIED				2	2		2										
TOTAL OR AVERAGE	2	1	5	176	182	184	242	12,000	6,000	675	6,112	24,787	135	35	135		

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, 1981 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	
		PERMANENT	TOTAL					TEMPORARY	TOTAL	TOTAL					
			TOTAL	PARTIAL											
SURFACE MINES															
STRIP															
EAR			6		6									2	
EYE															
JAW															
MOUTH/TEETH/TONGUE															
SKULL			1		1										
FACE, NEC															
HEAD, NEC			2		2		6,000							52	
NECK	1		4		4									54	
ELBOW			3		3									10	
FOREARM			1		1									174	
Wrist			1		1									13	
HAND			5		5									10	
FINGER(S)			4		4									49	
UPPER EXTREMITIES, NEC			2		2									20	
BACK			28		28									23	
CHEST			5		5		6,000							30	
PELVIC REGION	1		1		1									6	
SHOULDER(S)			6		6									30	
TRUNK, NEC			4		4									32	
THIGH			1		1									10	
KNEE			5		5									25	
LOWER LEG			1		1									97	
ANKLE			6		6									43	
FOOT			4		4									26	
TOE(S)			2		2									46	
LOWER EXTREMITIES, NEC			2		2									20	
BODY SYSTEMS	2		20		22		12,000							6	
MULTIPLE PARTS OF BODY			1		1									814	
TOTAL OR AVERAGE	4	1	116	4	121	53	24,000	210	6,000	3,083	33,293	52	27	266	
UNDERGROUND MINES															
FACE, NEC															
HEAD, NEC															
Wrist															
FINGER(S)															
BACK		1	2		3									400	
TRUNK, NEC			3		3									54	
LOWER EXTREMITIES, NEC			1		1									118	
BODY SYSTEMS			4		4									3	
MULTIPLE PARTS OF BODY			4		4									58	
TOTAL OR AVERAGE		1	10	11	11	5		400		685	1,095	400	70	100	
QUARRY MINES															
BACK															
MULTIPLE PARTS OF BODY			1		1									25	
TOTAL OR AVERAGE			2	2	2	2				110	110			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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY												
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI								
		PERMANENT		TOTAL					TOTAL	PARTIAL	TEMPO RARY												
		TOTAL	PARTIAL																				
TOTAL OR AVERAGE SURFACE																							
EAR		6		6	6	3					11	11		2	2								
EYE						12																	
JAW						2																	
MOUTH/TEETH/TONGUE						6																	
SKULL		1		1	1	1					52	52		52	52								
FACE NEC		2		2	3	2		6,000			109	109		54	2,036								
HEAD NEC	1	4		4	4	4					42	42		10	10								
NECK		3		3	3	4					4	4		1	1								
ELBOW		1		1	1	1					174	174		174	174								
FOREARM		1		1	1	2					13	13		13	13								
WRIST		1		1	5	12					52	52		10	10								
HAND		4		4	6	15					657	657		49	110								
FINGERS		2		2	2	3				460	39	39	230	20	20								
UPPER EXTREMITIES, NEC					31	34		6,000			781	781		25	25								
CHEST	1	5		5	4	7				150	29	29	50	6	1,005								
PELVIC REGION		1		1	6	6					180	180		30	45								
SHOULDER(S)		7		7	7	7					195	195		32	32								
TRUNK, NEC		7		7	7	7					392	392		56	56								
THIGH		1		1	1	3					1	1		1	1								
KNEE		5		5	5	8					127	127		25	25								
LOWER LEG		1		1	1	1					97	97		97	97								
ANKLE		6		6	6	4					257	257		43	43								
FOOT		2		2	2	3					104	104		26	26								
TOE(S)		3		3	3	3					91	91		46	46								
LOWER EXTREMITIES, NEC		3		3	3	3					44	44		15	15								
BODY SYSTEMS		25		25	28	28					13	13		6	6								
MULTIPLE PARTS OF BODY	2	1		1	134	196					1,034	19,034	122	41	680								
TOTAL OR AVERAGE	4	1	5	128	138	58		24,000	6,000	610	3,888	34,498		30	250								

TABLE 9. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INURED AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	
		PERMANENT		TOTAL NFI				PERMANENT		TOTAL NFI					
		TOTAL	PARTIAL					TOTAL	PARTIAL						
TOTAL OR AVERAGE, MINING															
EAR			14		14	4							28	28	2
EYE			1		1	12							2	2	2
JAW						8									
MOUTH/TEETH/TONGUE						1									
NOSE						1									
SKULL						2									
FACE, NEC						10									
HEAD, NEC						7									
NECK						7									
THROAT						3									
FOREARM						3									
Wrist						5									
HAND						12									
FINGER(S)						12									
UPPER EXTREMITIES, NEC						30									
ABDOMEN						7									
BACK						7									
CHEST						67									
PELVIC REGION						8									
SHOULDER(S)						5									
TRUNK, NEC						15									
THIGH						14									
KNIFE						1									
LOWER LEG						13									
ANKLE						2									
FOOT						13									
TOE(S)						10									
LOWER EXTREMITIES, NEC						3									
BODY SYSTEMS						15									
MULTIPLE PARTS OF BODY						47									
UNCLASSIFIED						2									
TOTAL OR AVERAGE	6	2	10	304	316	322	36,000	1,285	10,000	12,000	23,285	128	33	184	

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	NOI	TOTAL INJURIES	FATAL	NFDI		TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI	
		PERMANENT	TEMPO RARY	TOTAL NFDI					TOTAL NFDI						
										TOTAL					PARTIAL
PROCESSING PLANTS															
EAR			16		16		1							3	
EYE			1		1		9							10	
MOUTH/TEETH/TONGUE			1		1		2							16	
NOSE			1		1									30	
FACE, NEC			3		3									65	
HEAD, NEC			3		3		4							96	
NECK			3		3									8	
ELBOW			1		1		4							1	
FOREARM			1		1									10	
WRIST			1		1		1							15	
HAND			9		9		8							16	
FINGER(S)			2		2		1							46	
UPPER EXTREMITIES, NEC			2		2		3							3 000	
ABDOMEN			1		1		2							44	
BACK			40		40		2							12	
CHEST			2		2									41	
PELVIC REGION			6		6		9							36	
SHOULDER(S)		3	4		4		1							52	
TRUNK, NEC			4		4		4							25	
THIGH			2		2		3							2	
KNEE			9		9		1							31	
LOWER LEG			5		5		2							19	
ANKLE			4		4		4							15	
FOOT			4		4									15	
TOE(S)			5		5		1							119	
LOWER EXTREMITIES, NEC			6		6		5							5	
BODY SYSTEMS			2		2		1							70	
MULTIPLE PARTS OF BODY			17		17		1							38	
TOTAL OR AVERAGE	1	3	145	148	149	51	200	6 000	150	5 678	50			78	

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, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	PERMANENT		TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI	
		TOTAL	PARTIAL	TEMPO RARY				TOTAL NFI						
TOTAL OR AVERAGE														
ALL MINES AND PLANTS														
EAR		5	21	3	30	5				69	69		2	2
EYE		2	10	1	13	2				2	2		2	2
JAW		1	1	1	3	1				10	10		10	10
MOUTH/TEETH/TONGUE		1	1	1	3	1				16	16		16	16
NOSE		1	1	1	3	1				52	52		52	52
SKULL		1	1	1	3	1				89	89		89	89
FACE		1	1	1	3	1				273	273		273	273
FACE, NEC		1	1	1	3	1				378	378		378	378
HEAD, NEC		1	1	1	3	1	6,000			12	12		12	12
NECK		1	1	1	3	1				433	433		433	433
NECK, NEC		1	1	1	3	1				81	81		81	81
FOREARM		1	1	1	3	1				336	336		336	336
WRIST		1	1	1	3	1				1,985	1,985		1,985	1,985
HAND		1	1	1	3	1				6,020	6,020		6,020	6,020
FINGERS		1	1	1	3	1				3,477	3,477		3,477	3,477
UPPER EXTREMITIES, NEC		1	1	1	3	1				102	102	207	102	309
ARM		1	1	1	3	1				751	751		751	751
SHOULDER		1	1	1	3	1				678	678		678	678
SHOULDER, NEC		1	1	1	3	1				4	4		4	4
THIGH		1	1	1	3	1				881	881		881	881
LEG		1	1	1	3	1				106	106		106	106
ANKLE		1	1	1	3	1				408	408		408	408
FOOT		1	1	1	3	1				197	197		197	197
TOE(S)		1	1	1	3	1				93	93		93	93
LOWER EXTREMITIES, NEC		1	1	1	3	1				1,260	1,260		1,260	1,260
BODY SYSTEMS		1	1	1	3	1				28	28		28	28
MULTIPLE PARTS OF BODY		1	1	1	3	1				3,860	3,860		3,860	3,860
UNCLASSIFIED		1	1	1	3	1				259	259		259	259
TOTAL OR AVERAGE	7	2	13	449	471	167	42,000	12,000	1,475	15,528	28,953	110	35	151
OFFICE														
HAND														
BACK														
CHEST														
LOWER LEG														
ANKLE														
MULTIPLE PARTS OF BODY														
TOTAL OR AVERAGE														

340

[illegible]

TABLE 10. NUMBER OF INJURIES, INJURY RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENT RATES					SEVERITY MEASURES			
	FATAL	PERMANENT			TEMPORARY	TOTAL	TOTAL FATAL AND NONFATAL	NONFATAL	TOTAL INJURIES	FATAL	NONFATAL	ALL INJURIES	FATAL	NONFATAL	ALL FATAL AND NONFATAL
		TOTAL	PARTIAL	TOTAL											
UNDERGROUND MINES															
UNDERGROUND															
AMPUTATION/ENCAFECTION		1			1	1	1	2	3		10	10		7	7
BURN/CLASH (NOT CHEM.)				4	4	4	4	40	44		20	20		1	1
CHEMICAL BURN															
CONCUSSION (OTHERWISE)				33	33	33	33	5	38		10	10		1	1
CONCUSSION OR BRUISE				14	14	14	14	12	27		3 76	3 76		93	93
CUT OR PUNCTURE				1	1	1	1	1	2		1 39	1 39		38	38
DEAF IN EYE															
FRACTURE				7	7	7	7	3	11		80	80		14	14
HERNIA (NOT DISC)				2	2	2	2	2	4		20	20		635	635
POISONING (SYSTEMIC)															
RADIATION (OTHER VIOLET)				1	1	1	1	1	2		10	10		10	10
SCRAPE/ABRASION				1	1	1	1	1	2		10	10		14	14
STRAIN/SPRAIN				42	42	42	42	7	49		4 18	4 18		101	101
MULTIPLE INJURIES	1			10	10	11	11	5	16	10	49	59	597	89	683
OTHER INJURY, NEC				2	2	2	2	2	4		20	20		7	7
UNCLASSIFIED AND DATA				3	3	3	3	3	6		40	40		74	74
TOTAL OR AVERAGE	1	1	3	126	130	131	131	41	172	10	12 93	13 03	797	1 062	1 062
SURFACE AT UNDERGROUND															
AMPUTATION/ENCAFECTION															
ASPHYXIATION/BROWNING	1			6	6	6	6	1	7	05	10	10	308	26	26
CONCUSSION OR BRUISE				1	1	1	1	1	2		31	31		8	8
CUT OR PUNCTURE				1	1	1	1	1	2		05	05		14	14
DEAF IN EYE															
FRACTURE				1	1	1	1	1	2		05	05		3	3
HERNIA (NOT DISC)				5	5	5	5	1	6		05	05		15	15
SCRAPE/ABRASION				1	1	1	1	1	2		05	05		14	14
STRAIN/SPRAIN				22	22	22	22	1	23		1 13	1 13		29	29
MULTIPLE INJURIES				10	10	10	10	3	13		51	51		16	16
UNCLASSIFIED AND DATA				3	3	3	3	3	6		15	15		11	11
TOTAL OR AVERAGE	1	2	2	50	52	53	53	17	70	05	2 67	2 72	308	107	415

TABLE 10 NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ALL CONTRACTOR LOGS OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	PERMANENT			TEMPORARY		TOTAL FATAL AND NONFATAL	NONFATAL	TOTAL INJURIES	FATAL	NONFATAL	ALL FATAL AND NONFATAL	FATAL	NONFATAL	
		TOTAL	PARTIAL	TOTAL	TOTAL										
TOTAL OR AVERAGE, UG	1	3		3			3		3	04	10	10	204	14	
AMPUTATION/AMPUTATION															
ASPHYXIATION/DROWNING															
BURN/SCALD (NOT CHEM.)															
CHEMICAL BURN															
CONCUSSION (FEBRUARY)															
CONCUSSION OR BRUISE															
CUT OR PUNCTURE															
DUST IN EYE															
ELECTRIC BURN (ELECTRIC)															
FRACTURE															
HEAVY LIFT (NOT DISC)															
POISONING (SYSTEMIC)															
RADIATION/ULTRA VIOLET															
SCALD/ABRASION															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
OTHER INJURY, N.E.C.															
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE	2	1	5	176	182		184	58	242	07	617	623	407	433	
SURFACE MINES															
STRIP															
AMPUTATION/AMPUTATION															
BURN/SCALD (NOT CHEM.)															
CONCUSSION (FEBRUARY)															
CONCUSSION OR BRUISE															
CUT OR PUNCTURE															
DISLOCATION															
DUST IN EYE															
ELECTRIC SHOCK															
FRACTURE															
HEAVY LIFT (NOT DISC)															
POISONING (SYSTEMIC)															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
OTHER INJURY, N.E.C.															
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE	4	1	4	116	121		125	53	178	07	212	218	410	167	
UNDER															
AMPUTATION/AMPUTATION															
BURN/SCALD (NOT CHEM.)															
CONCUSSION OR BRUISE															
CUT OR PUNCTURE															
FRACTURE															
POISONING (SYSTEMIC)															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
OTHER INJURY, N.E.C.															
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE															

TABLE 10. NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			
	FATAL	NONFATAL		TEMPORARY	TOTAL NONFATAL	TOTAL FATAL AND NONFATAL	TOTAL INJURIES	FATAL	NONFATAL	ALL FATAL AND NONFATAL	NONFATAL	ALL INJURY	FATAL	NONFATAL	ALL FATAL AND NONFATAL	
		PERMANENT	PARTIAL													
COAL BANK CONFINEMENT OR BRUISE MULTIPLE INJURIES TOTAL OR AVERAGE				1	1	2	2	1.86	1.86	1.86	1.86	1.86	47	158	205	47
TOTAL OR AVERAGE				2	2	2	2	1.73	1.73	1.73	1.73	1.73				
TOTAL OR AVERAGE: SURFACE AMPUTATION/NUCLEATION BURN/SCALD (NOT CHEM) CONCUSSION (CEREBRAL) CONCUSSION OR BRUISE CUT OR PUNCTURE DISLOCATION DUST IN EYE ELECTRIC SHOCK FRACTURE HERNIA (NOT DISC) POISONING (SYSTEMIC) STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA)				9	2	11	12	0.3	0.4	0.7	0.5	0.4	8	8	16	4
				1	1	2	2	0.2	0.2	0.2	0.2	0.2	102	102	204	2
				20	20	20	24	34	34	34	34	41	107	107	214	2
				10	10	11	36	17	14	42	42	61	163	163	326	1
				2	2	2	4	0.3	0.3	0.3	0.3	0.7	2	2	4	2
				2	2	2	2	0.3	0.3	0.3	0.3	0.7	2	2	4	2
				16	16	16	22	0.2	0.2	0.2	0.2	0.4	16	16	32	1
				1	1	1	3	0.5	0.5	0.5	0.5	0.5	3	3	6	1
				48	48	48	57	81	81	81	15	97	118	118	236	18
				15	16	18	26	27	30	14	14	24	114	114	228	1
				3	3	3	3	0.4	0.5	0.5	0.5	0.5	1	1	2	1
TOTAL OR AVERAGE	4	1	5	128	134	138	196	0.7	2.27	2.34	98	3.32	406	128	542	670
TOTAL OR AVERAGE: MINING AMPUTATION/NUCLEATION ASPHYXIATION/DROWNING BURN/SCALD (NOT CHEM) CHEMICAL BURN CONCUSSION (CEREBRAL) CONCUSSION OR BRUISE CUT OR PUNCTURE DISLOCATION DUST IN EYE ELECTRIC SHOCK FRACTURE HERNIA (NOT DISC) POISONING (SYSTEMIC) RADIATION/ULTRA VIOLET SCRAPE/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA)				9	5	14	14	0.1	0.6	0.6	0.1	0.6	12	12	24	12
				4	4	8	8	0.1	0.1	0.1	0.1	0.1	8	8	16	8
				2	2	2	2	0.2	0.2	0.2	0.2	0.2	2	2	4	2
				59	59	60	70	67	68	68	11	79	64	16	84	140
				25	25	26	74	0.1	0.2	0.2	0.2	0.2	64	64	128	5
				2	2	2	2	0.2	0.2	0.2	0.2	0.2	2	2	4	2
				4	4	4	6	0.5	0.5	0.5	0.5	0.7	4	4	8	4
				1	1	1	1	0.1	0.1	0.1	0.1	0.1	1	1	2	1
				1	1	1	1	0.1	0.1	0.1	0.1	0.1	1	1	2	1
				28	29	29	49	0.6	0.6	0.6	0.6	0.6	87	87	174	3
				2	2	2	3	0.2	0.2	0.2	0.2	0.3	3	3	6	3
				1	1	1	1	0.1	0.1	0.1	0.1	0.1	1	1	2	1
				112	112	112	128	1.26	1.26	1.26	1.26	1.45	30	30	60	30
				35	36	39	55	0.4	0.4	0.4	0.4	0.4	203	203	406	16
				2	2	2	3	0.2	0.2	0.2	0.2	0.3	3	3	6	3
				15	15	15	20	0.2	0.2	0.2	0.2	0.3	12	12	24	12
TOTAL OR AVERAGE	6	2	10	304	316	322	438	0.7	3.57	3.64	1.31	4.95	406	263	669	669

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			
	FATAL	NFOL			TOTAL FATAL AND NFOL	NOL	TOTAL INJURIES	FATAL	NFOL	ALL FATAL AND NFOL	NOL	ALL INJURIES	FATAL	NFOL	ALL FATAL AND NFOL	
		PERMANENT	TOTAL													
			TOTAL	PARTIAL												
TOTAL OR AVERAGE		5		5		5		04	04	04		04		9	9	
ALL MINES AND PLANTS															52	52
AMPUTATION/ENGULFMENT	1		14	14	1	8	1	01	12	01	07	14		7	7	14
ASPHYXIATION/DROWNING									05	05	05	05		1	1	1
BURN/SLASH/NOT OTHER									02	02	02	02		1	1	1
CHEMICAL BURN									65	71	12	83		15	119	119
CONCUSSION/ICE/BLAST	2		80	82	2	14	96	02	01	36	50	96		5	57	57
CONCUSSION OR BRUISE	1		41	42	42	69	111	01	25	02	02	02		1	1	1
CUT OR PUNCTURE									08	08	07	15		1	1	1
DISLOCATION									01	01	01	01		1	1	1
DUST IN EYE									01	01	01	01		1	1	1
ELECTRIC SHOCK									38	38	13	51		1	1	1
ELECTRIC BURN (CONTACT)									07	07	07	07		1	1	1
FRACTURE									03	03	02	05		1	1	1
HERNIA (NOT DISC)									04	04	02	06		1	1	1
POISONING/ISXEMIA									05	05	01	06		1	1	1
RADIATION/ULTRA VIOLET									1 41	1 41	18	59		39	39	39
SCRATCH/ABRASION									40	42	16	59		77	232	232
STRAIN/SPRAIN									02	02	01	03		1	1	1
MULTIPLE INJURIES	3	1	163	45	46	19	184	03	22	22	06	28		13	13	13
OTHER INJURY, NEC																
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE	7	2	13	449	464	167	638	06	4 01	4 07	1 44	5 52	363	251	614	614
OFFICE																
CONCUSSION OR BRUISE																
FRACTURE																
STRAIN/SPRAIN																
OTHER INJURY, NEC																
TOTAL OR AVERAGE																

TABLE 10. NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	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													
GRAND TOTAL OR AVERAGE	-	-	5	-	5	5	-	5	-	04	04	-	04	-	8	8
AMPUTATION/ENUCLEATION	1	-	-	-	5	1	-	1	01	-	01	-	01	48	-	48
ASPHYXIATION/DROWNING	-	-	-	14	14	14	8	22	-	11	11	06	18	-	6	6
BURN/SCALD (NOT CHEM)	-	-	-	6	6	6	-	6	-	05	05	-	05	-	(*)	(*)
CHEMICAL BURN	-	-	-	2	2	2	-	2	-	02	02	-	02	-	1	1
CONCUSSION (CEREBRAL)	2	-	-	80	80	82	15	97	02	64	66	12	78	96	14	110
CONTUSION OR BRUISE	1	-	-	41	41	42	69	111	01	33	34	55	89	48	5	53
CUT OR PUNCTURE	-	-	-	2	2	2	-	2	-	02	02	-	02	-	1	1
DISLOCATION	-	-	-	9	9	9	8	17	-	07	07	06	14	-	(*)	(*)
DUST IN EYE	-	-	-	1	1	1	-	1	-	01	01	-	01	-	(*)	(*)
ELECTRIC SHOCK	-	-	-	1	1	1	-	1	-	01	01	-	01	-	(*)	(*)
ELECT. BURN (CONTACT)	-	-	-	44	45	45	15	60	-	36	36	12	48	-	74	74
FRACTURE	-	1	-	8	8	8	-	8	-	06	06	-	06	-	3	3
HERNIA (NOT DISC)	-	-	-	4	4	4	2	6	-	03	03	02	05	-	(*)	(*)
POISONING (SYSTEMIC)	-	-	-	5	5	5	2	7	-	04	04	02	06	-	1	1
RADIATION/ULTRA VIOLET	-	-	-	6	6	6	1	7	-	05	05	01	06	-	(*)	(*)
SCRATCH/ABRASION	-	-	-	166	166	166	21	187	1	33	1	33	17	1	50	36
STRAIN/SPRAIN	3	1	-	45	46	49	19	68	02	37	39	15	54	144	71	215
MULTIPLE INJURIES	-	-	-	2	2	2	2	4	-	02	02	02	03	-	1	1
OTHER INJURY, NEC	-	-	-	25	25	25	7	32	-	20	20	06	26	-	12	12
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	7	2	13	453	468	475	169	644	06	3 74	3 80	1 35	5 15	336	232	568

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, 1951

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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPORARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL				
	TOTAL	PARTIAL													
UNDERGROUND MINES															
UNDERGROUND															
AMPUTATION/ENUCLEATION		1		1	1	1	2			75		75		75	75
BURN/SCALD (NOT CHEM.)			4	4	4	4					10	10		10	2
CHEMICAL BURN			1	1	1	1	5				7	7		7	7
CONCUSSION (CEREBRAL)			33	33	33	33	13				939	939		939	28
CONCUSSION OR BRUISE			14	14	14	14	1				379	379		379	27
CUT OR PUNCTURE			1	1	1	1	1				2	2		2	2
DUST IN EYE			7	7	7	7	3				418	418		418	60
FRACTURE		1		1	1	1	8			100		100		100	802
HERNIA (NOT DISC)			2	2	2	2	2				5	5		5	50
POTSWING (SYSTEMIC)			1	1	1	1	1				1	1		1	5
RADIATION/ULTRA VIOLET			1	1	1	1	1				1	1		1	1
SCRATCH/ABRASION			1	1	1	1	7				7	7		7	7
STRAIN/SPRAIN			42	42	42	42	7				1,012	1,012		1,012	24
MULTIPLE INJURIES			10	10	10	10	5		6,000		892	892		892	89
OTHER INJURY, NEC			2	2	2	2	2				71	71		71	36
UNCLASSIFIED (NO DATA)			9	9	9	9	5				791	791		791	88
TOTAL OR AVERAGE	1	1	126	130	131	41	172	6,000	6,000	175	4,534	16,709	58	36	128
SURFACE AT UNDERGROUND															
AMPUTATION/ENUCLEATION		2		2	2	2				500		500		500	250
ASPHYXIATION/DROWNING			6	6	6	6	2		6,000			6,000		6,000	6,000
CONCUSSION OR BRUISE			1	1	1	1	10				150	150		150	25
CUT OR PUNCTURE			1	1	1	1	1				1	1		1	1
DUST IN EYE			1	1	1	1	1				53	53		53	53
ELECT. BURN (CONTACT)			5	5	5	5	1				288	288		288	58
FRACTURE			1	1	1	1	6				2	2		2	2
SCRATCH/ABRASION			22	22	22	22	2				564	564		564	26
STRAIN/SPRAIN			10	10	10	10	3				304	304		304	30
MULTIPLE INJURIES			3	3	3	3					215	215		215	72
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE	1	2	50	52	53	17	70	6,000	6,000	500	1,578	8,078	250	32	152

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, 1981 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	NFI			LOST WORKDAYS			AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI			NFI	FATAL	PERMANENT		TEMPORARY	TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		TOTAL	PARTIAL	TOTAL												
										TOTAL	PARTIAL					
TOTAL OR AVERAGE, U.S.	1	3	3	3	3	3	6,000	575	6,000	575	575	192	575	192	6,000	
AMPUTATION/ENUCLEATION															192	
ASPHYXIATION/CHOKING															2	
BURN/SCALD (NOT CHEM.)															7	
CHEMICAL BURN		4	4	4	4	4									28	
CONCUSSION (CEREBRAL)		1	1	1	1	1									25	
CONCUSSION OR BRUISE		39	39	39	39	39									53	
CUT OR PUNCTURE		15	15	15	15	15									50	
DUST IN EYE		2	2	2	2	2									5	
ELECTRIC BURN (CONTACT)		1	1	1	1	1									1	
FRACTURE		12	13	13	13	13									4	
HERNIA (NOT DISC)		2	2	2	2	2									25	
POISONING (SYSTEMIC)		1	1	1	1	1									343	
RADIATION/AUTORAVIDET		64	64	64	64	64									36	
SCALD/ABRASION		20	20	20	20	20									84	
STRAIN/SPRAIN		2	2	2	2	2									35	
MULTIPLE INJURIES	1	12	12	12	12	12									135	
OTHER INJURY NEC																
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE	2	1	5	176	182	184	58	12,000	6,000	6,112	12,787	135	24,787	135		
SURFACE MINES																
STRIP																
AMPUTATION/ENUCLEATION		1		1	1	1									60	
BURN/SCALD (NOT CHEM.)			3	3	3	3									5	
CONCUSSION (CEREBRAL)			1	1	1	1									90	
CONCUSSION OR BRUISE	1		18	18	19	19		6,000	306	306	6,306				332	
CUT OR PUNCTURE			10	10	11	11		6,000	66	66	6,066				551	
DISLOCATION			2	2	2	2									47	
DUST IN EYE			2	2	2	2									2	
ELECTRIC SHOCK			1	1	1	1									1	
FRACTURE			15	15	15	15									54	
HERNIA (NOT DISC)		3		3	3	3									50	
POISONING (SYSTEMIC)			1	1	1	1									12	
STRAIN/SPRAIN			46	46	46	46									21	
MULTIPLE INJURIES	2		14	15	17	17		12,000	667	667	18,667				48	
OTHER INJURY NEC		1													1,088	
UNCLASSIFIED (NO DATA)			3	3	3	3									13	
TOTAL OR AVERAGE	4	1	4	116	121	125	53	24,000	6,000	6,112	12,787	135	33,293	27	266	
ALGER																
AMPUTATION/ENUCLEATION		1		1	1	1									400	
BURN/SCALD (NOT CHEM.)			6	6	6	6									74	
CONCUSSION OR BRUISE			1	1	1	1									3	
CUT OR PUNCTURE															140	
FRACTURE			1	1	1	1									54	
POISONING (SYSTEMIC)															108	
STRAIN/SPRAIN			2	2	2	2									140	
MULTIPLE INJURIES															54	
TOTAL OR AVERAGE		1	10	11	11	11	5		400	695	1,095	400	9,293	70	100	

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	
		PERMANENT	TEMPORARY	TOTAL NFI				TOTAL	PARTIAL	TOTAL NFI					
CULM BANK															
CONCUSSION OR BRUISE															
MULTIPLE INJURIES															
TOTAL OR AVERAGE															
TOTAL OR AVERAGE SURFACE															
AMPUTATION/FUNCTILATION															
BURN/SCALD (NOT CHEM.)															
CONCUSSION (CEREBRAL)															
CONCUSSION OR BRUISE															
CUT OR PUNCTURE															
DISLOCATION															
DUST IN EYE															
ELECTRIC SHOCK															
FRACURE															
HERNIA (NOT DISC.)															
POISONING (SYSTEMIC)															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
OTHER INJURY, NEC.															
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE															
TOTAL OR AVERAGE MINING															
AMPUTATION/FUNCTILATION															
ASPHYXIATION/CHOKING															
BURN/SCALD (NOT CHEM.)															
CHEMICAL BURN															
CONCUSSION (CEREBRAL)															
CONCUSSION OR BRUISE															
CUT OR PUNCTURE															
DISLOCATION															
DUST IN EYE															
ELECTRIC SHOCK															
ELECT. BURN (CONTACT)															
FRACURE															
HERNIA (NOT DISC.)															
POISONING (SYSTEMIC)															
RADIATION/OTHER VIOLET															
SCALD/ABRASION															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
OTHER INJURY, NEC.															
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE															

TABLE 11 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	FATAL	NFDL			TOTAL INJURIES	NFI	TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		PERMANENT	TEMPO- RARY	TOTAL NFDL						TOTAL FATAL AND NFDL	TEMPO RARY	TOTAL NFDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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PROCESSING PLANTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	NFDI			PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI	
		PERMANENT	TEMPORARY	TOTAL NFDI					TOTAL	PARTIAL	TOTAL NFDI				
TOTAL OR AVERAGE															
ALL MINES AND PLANTS															
ASPHALTATION/PAVING	1	5	14	6	2	5	5	6,000	1,035	771	207	55	1,035	207	207
BURN/SCALD (HOT LIQ.)			14	6	2	8	22			14		2	771		6,000
CHEMICAL BURN			6	2	2	6	6			97			14		55
CONCUSSION (CEREBRAL)	2		80	41	2	123	96	12,000	1,730	97			57		48
CONTUSION OR BRUISE	1		41	2	2	44	69	6,000	578	1,730			13,730		167
CUT OR PUNCTURE			2	9	1	12	17		94	578			6,578		157
DISLOCATION			2	9	1	12	17		15	94			15		47
DUST IN EYE			1	1	1	2	2		1	1			1		2
ELECTRIC SHOCK			1	1	1	2	2		53	1			53		1
ELECT. BURN (CONTACT)			43	4	4	48	59		9,182	1			9,182		53
FRACTURE		1	8	4	4	15	8	6,000	400	27	50	74	400	50	209
HERNIA (NOT DISC)			4	4	4	12	6		27	27		7	27		7
POISONING (SYSTEMIC)			5	5	5	15	6		81	81		16	81		16
RADIATION/ULTRA VIOLET			6	6	6	17	7		18	18		3	18		3
SCRATCH/ABRASION			163	163	163	326	184		4,469	18			4,469		27
STRAIN/SPRAIN	3	1	45	2	2	49	68	18,000	2,852	4,469			26,852		548
MULTIPLE INJURIES			2	2	2	4	3		71	71			71		36
OTHER INJURY, NEC			25	25	25	7	32		1,475	1,475			1,475		59
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE	7	2	449	464	471	923	638	42,000	28,963	15,528	110	35	70,963	110	151
OFFICE															
CONTUSION OR BRUISE			1	1	1	1	1								
FRACTURE			3	3	3	3	3		10	10			10		10
STRAIN/SPRAIN						1	1		55	55			55		18
OTHER INJURY, NEC															
TOTAL OR AVERAGE			4	4	4	2	6		65	65			65		16

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, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI		
		PERMANENT		TEMPO- RARY					TOTAL NFDI	PERMANENT						TEMPO- RARY	TOTAL NFDI
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE																	
AMPUTATION/ENUCLEATION			5		5		5			1.035		1.035		207	207		
ASPHYXIATION/DROWNING	1				1		1	6.000				6.000			6.000		
BURN/SCALD (NOT CHEM)				14	14	8	22				771	771		55	55		
CHEMICAL BURN				6	6		6				14	14		2	2		
CONCUSSION (CEREBRAL)				2	2		2				97	97		48	48		
CONTUSION OR BRUISE	2			80	80	15	97	12.000		1.730	1.730	13.730		22	167		
CUT OR PUNCTURE	1			41	41	69	111	6.000		578	578	6.578		14	157		
DISLOCATION				2	2		2				94	94		47	47		
DUST IN EYE				9	9	8	17				15	15		2	2		
ELECTRIC SHOCK				1	1		1				1	1		1	1		
ELECT. BURN (CONTACT)				1	1		1				53	53		53	53		
FRACTURE		1		44	45	15	60	6.000		3.192	9.192	9.192		73	204		
HERNIA (NOT DISC)			8		8		8			400		400	50		50		
POISONING (SYSTEMIC)				4	4	2	6				27	27		7	7		
RADIATION/ULTRA VIOLET				5	5	2	7				81	81		16	16		
SCRATCH/ABRASION				6	6	1	7				18	18		3	3		
STRAIN/SPRAIN				166	166	21	187				4.524	4.524		27	27		
MULTIPLE INJURIES	3	1		45	46	19	68	18.000	6.000		2.852	8.852		63	548		
OTHER INJURY, NEC.				2	2	2	4				71	71		36	36		
UNCLASSIFIED (NO DATA)				25	25	7	32				1.475	1.475		59	59		
TOTAL OR AVERAGE	7	2	13	453	468	169	644	42.000	12.000	1.435	15.593	71.028	110	34	150		

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, 1991

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI	
		PERMANENT	TOTAL					TEMPO RARY	TOTAL NFI						
			TOTAL	PARTIAL											
EAR															
BURN/SCALD (NOT CHEM)															
CUT OR PUNCTURE															
OTHER INJURY, NEC															
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE															
EYE															
BURN/SCALD (NOT CHEM)															
CHEMICAL BURN															
CUT OR PUNCTURE															
DUST IN EYE															
RADIATION/ULTRA VIOLET															
SCRATCH/ABRASION															
TOTAL OR AVERAGE															
JAW															
CUT OR PUNCTURE															
TOTAL OR AVERAGE															
MOUTH/TEETH/TONGUE															
CUT OR PUNCTURE															
FRACURE															
MULTIPLE INJURIES															
TOTAL OR AVERAGE															
NOSE															
CUT OR PUNCTURE															
FRACURE															
TOTAL OR AVERAGE															
SKULL															
FRACURE															
TOTAL OR AVERAGE															
FACE, NEC															
CUT OR PUNCTURE															
MULTIPLE INJURIES															
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 CONTINUOUS LOCAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFDI				TOTAL FATAL AND NFDI	NFI	FATAL	NFDI			TOTAL FATAL AND NFDI	TEMPORARY	PERMANENT	TOTAL FATAL AND NFDI		
		TOTAL	PARTIAL	TEMPORARY	TOTAL NFDI												
HEAD, NEC																	
BURN/SCALD (NOT CHEM.)		1		1	1	1					108	108	108		108		108
CONCUSSION (CEREBRAL)		2		2	2	2					97	97	48		48		48
CONCUSSION OR BRUISE		1		1	1	1					4	4	4		4		4
CUT OR PUNCTURE	1	3		3	3	4		6 000			42	6 042	14		14		1 510
UNCLASSIFIED (NO DATA)		1		1	1	1					22	22	22		22		22
TOTAL OR AVERAGE	1	8		8	8	9		6 000			273	6 273	34		34		657
NECK																	
CONCUSSION OR BRUISE		1		1	1	1					5	5	5		5		5
STRAIN/SPRAIN		8		8	8	9					372	372	46		46		46
UNCLASSIFIED (NO DATA)		1		1	1	1					1	1	1		1		1
TOTAL OR AVERAGE		10		10	10	11					378	378	38		38		38
ELBOW																	
CONCUSSION OR BRUISE		3		3	3	5					4	4	4		4		4
STRAIN/SPRAIN		1		1	1	1					8	8	8		8		8
TOTAL OR AVERAGE		4		4	4	6					12	12	12		12		12
FOREARM																	
BURN/SCALD (NOT CHEM.)		1		1	1	1					70	70	70		70		70
CONCUSSION OR BRUISE		2		2	2	2					2	2	1		1		1
CUT OR PUNCTURE		2		2	2	2					361	361	190		190		190
FRACTURE		5		5	5	10					433	433	87		87		87
TOTAL OR AVERAGE		6		6	6	10					81	81	14		14		14
WRIST																	
CONCUSSION OR BRUISE		2		2	2	2					13	13	6		6		6
CUT OR PUNCTURE		1		1	1	1					44	44	44		44		44
FRACTURE		3		3	3	4					24	24	6		6		8
STRAIN/SPRAIN		6		6	6	10					81	81	14		14		14
UNCLASSIFIED (NO DATA)																	
TOTAL OR AVERAGE		6		6	6	10					81	81	14		14		14
HAND																	
CHEMICAL BURN		1		1	1	1					3	3	3		3		3
CONCUSSION OR BRUISE		5		5	5	5					140	140	28		28		28
CUT OR PUNCTURE		8		8	8	12					80	80	10		10		10
ELECT. BURN (CONTACT)		1		1	1	1					53	53	53		53		53
RADIATION/ULTRA VIOLET		1		1	1	1					11	11	11		11		11
STRAIN/SPRAIN		2		2	2	3					2	2	2		2		2
MULTIPLE INJURIES		2		2	2	2					21	21	10		10		10
OTHER INJURY, NEC		2		2	2	2					24	24	12		12		12
UNCLASSIFIED (NO DATA)		21		21	21	35					336	336	16		16		16
TOTAL OR AVERAGE		21		21	21	35					336	336	16		16		16

TABLE 12 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY
AT ALL CONTRACTOR CONAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	MED			TOTAL FATAL AND MED	TOTAL INJURIES	FATAL	MED			TOTAL FATAL AND MED	MEDIAN PARTIAL	TEMPORARY	TOTAL FATAL AND MED	
		PERMANENT	TOTAL					TOTAL FATAL AND MED	TEMPORARY	TOTAL FATAL AND MED					
			TOTAL	PARTIAL											TOTAL FATAL AND MED
FINGERS															
AMPUTATION/ENUCLEATION	-	5	5	8	5	5	-	-	-	1,035	-	-	388	1,035	207
CONTUSION OR BRUISE	-	-	-	7	7	2	-	-	-	-	-	-	388	388	48
CUT OR PUNCTURE	-	-	-	4	4	16	-	-	-	-	-	-	336	336	48
FRACTURE	-	-	-	3	3	3	-	-	-	-	-	-	38	38	10
STRAIN/SPRAIN	-	-	-	5	5	6	-	-	-	-	-	-	33	33	11
MULTIPLE INJURIES	-	-	-	-	-	1	-	-	-	-	-	-	155	155	31
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	5	32	27	32	29	-	-	-	1,035	-	-	950	1,985	35
UPPER EXTREMITIES, NEC															
BURN/SCALD (NOT CHEM)	-	-	-	3	3	3	-	-	-	-	-	-	99	99	33
CONTUSION OR BRUISE	-	-	-	2	2	2	-	-	-	-	-	-	24	24	12
CUT OR PUNCTURE	-	-	-	1	1	1	-	-	-	-	-	-	187	187	187
FRACTURE	-	-	-	2	2	2	-	-	-	-	-	-	33	33	16
STRAIN/SPRAIN	-	-	-	1	1	1	-	-	-	-	-	-	60	60	60
MULTIPLE INJURIES	-	-	-	9	9	3	-	-	-	-	-	-	403	403	45
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	1	1	2	-	-	-	-	-	-	1	6,001	3,000
ABDOMEN															
CONTUSION OR BRUISE	1	-	-	3	3	3	6,000	-	-	-	6,000	-	19	6	6
STRAIN/SPRAIN	1	-	-	4	4	5	5,000	-	-	-	5,000	-	20	5	1,204
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK															
CONTUSION OR BRUISE	-	-	-	12	12	2	-	-	-	-	-	-	371	371	31
FRACTURE	-	-	-	4	5	5	-	-	-	-	-	-	688	6,688	1,338
STRAIN/SPRAIN	-	-	-	85	85	8	-	-	-	-	-	-	2	2	25
MULTIPLE INJURIES	-	-	-	2	2	1	-	-	-	-	-	-	54	54	27
UNCLASSIFIED (NO DATA)	-	-	-	4	4	4	-	-	-	-	-	-	188	188	47
TOTAL OR AVERAGE	-	1	107	108	108	11	-	-	-	-	-	-	3,467	9,467	88
CHEST															
CONTUSION OR BRUISE	1	-	-	3	3	4	6,000	-	-	-	6,000	-	31	6,031	1,508
FRACTURE	-	-	-	5	5	1	-	-	-	-	-	-	47	47	9
STRAIN/SPRAIN	-	-	-	2	2	2	-	-	-	-	-	-	5	5	2
MULTIPLE INJURIES	-	-	-	1	1	1	-	-	-	-	-	-	21	21	21
TOTAL OR AVERAGE	-	-	-	11	11	12	-	-	-	-	-	-	104	6,104	9

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[illegible]

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, 1981 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	MEDICAL			TOTAL FATAL AND MEDICAL	TOTAL INJURIES	FATAL	MEDICAL			TOTAL FATAL AND MEDICAL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND MEDICAL		
		PERMANENT	TOTAL	PARTIAL				PERMANENT	TOTAL	PARTIAL						
ANKLE																
BURN/SCALD (NOT CHEM.)		2	2		2	1							41	41		20
CONTUSION OR BRUISE		4	4		4	2							240	240		60
FRACTURE		13	13		13	4							137	137		11
STRAIN/SPRAIN						17										
TOTAL OR AVERAGE		19	19		19	25							418	418		22
FOOT																
BURN/SCALD (NOT CHEM.)						1										
CONTUSION OR BRUISE		4	4		4	4							30	30		8
CUT OR PUNCTURE		3	3		3	2							20	20		7
FRACTURE		7	7		7	9							147	147		21
TOTAL OR AVERAGE		14	14		14	19							197	197		14
TOE(S)																
CONTUSION OR BRUISE		1	1		1	1							2	2		2
FRACTURE		1	1		1	3							56	56		56
MULTIPLE INJURIES		1	1		1	1							35	35		35
TOTAL OR AVERAGE		3	3		3	5							93	93		31
LOWER EXTREMITIES, NEC																
BURN/SCALD (NOT CHEM.)		1	1		1	1							108	108		108
CHEMICAL BURN		1	1		1	1							7	7		7
CONTUSION OR BRUISE		3	3		3	5							8	8		3
CUT OR PUNCTURE		1	1		1	4							1	1		1
FRACTURE		6	6		6	6							741	741		124
STRAIN/SPRAIN		4	4		4	4							91	91		23
MULTIPLE INJURIES		1	1		1	2							52	52		52
OTHER INJURY, NEC		1	1		1	1							11	11		11
UNCLASSIFIED (NO DATA)		3	3		3	5							241	241		80
TOTAL OR AVERAGE		21	21		21	29							1,260	1,260		60
BODY SYSTEMS																
ASPHYXIATION/DROWNING	1				1	1	5,000						1	1		5,000
ELECTRIC SHOCK		1	1		1	1							27	27		7
POISONING (SYSTEMIC)		4	4		4	6										
TOTAL OR AVERAGE	1	5	5		6	8	5,000						28	28		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, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI
		PERMANENT	TOTAL						TOTAL NFI						
			TOTAL	PARTIAL	PARTIAL										
MULTIPLE PARTS OF BODY BURN/SCALD (NOT CHEM) CONCUSSION OR BRUISE CUT OR PUNCTURE FRACTURE IRRADIATION/ULTRA VIOLET SCALD/ABRASION SCORCH/SPRAIN STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	3 3	1 1	4 66	4 65	4 69	4 75	18,000 18,000	6,000 6,000	3,873 3,873	96 230 14 280 68 2 448 2,348 387 9,873	24 26 7 140 34 2 37 84 77 62	24 26 7 140 34 2 37 84 77 62	96 230 14 280 68 2 448 2,348 387 9,873		
UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE			2 2	2 2	2 2	2 2			259 259	259 259	130 130	130 130	259 259		
TOTAL OR AVERAGE	1 2 1	5 8 1	5 14 6 80 41 2 9 1 1 45 8 4 5 166 46 2 25 468	14 6 2 80 41 2 9 1 1 44 4 5 6 166 45 2 25 453	5 14 6 80 41 2 9 1 1 45 8 4 5 166 46 2 25 468	5 22 6 2 97 111 2 17 1 1 60 8 6 7 187 68 7 32 169	6,000 12,000 6,000	1,035 771 14 97 1,730 578 94 15 1 53 3,192 400 27 81 18 4,524 2,852 71 1,475 15,543	207	207	50	1,035 5,000 771 14 97 1,730 578 94 15 1 53 3,192 400 27 81 18 4,524 2,852 71 1,475 15,543			
TOTAL OR AVERAGE	7	2	13	453	468	475	644	42,000	12,000	1,475	29,028	110	34	71,028	

TABLE 13 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING ROCK OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPOUNCHED HAULAGE		
	FTE	MECH	NOI	FTE	MECH	NOI	FTE	MECH	NOI	FTE	MECH	NOI	FTE	MECH	NOI	FTE	MECH	NOI	FTE	MECH	NOI	FTE	MECH	NOI	FTE	MECH	NOI	FTE	MECH	NOI	FTE	MECH	NOI
UNDERGROUND MINES																																	
UNDERGROUND																																	
ALABAMA																																	
COLORADO																																	
ILLINOIS																																	
KENTUCKY																																	
MARYLAND																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
UTAH																																	
VIRGINIA																																	
WEST VIRGINIA																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
SURFACE AT UC																																	
ALABAMA																																	
COLORADO																																	
ILLINOIS																																	
INDIANA																																	
KENTUCKY																																	
MARYLAND																																	
NEW MEXICO																																	
OHIO																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
UTAH																																	
VIRGINIA																																	
WEST VIRGINIA																																	
WYOMING																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	

TABLE 13 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (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																														
COLORADO																																	
ILLINOIS																																	
INDIANA			1																														
KENTUCKY			5																														
MARYLAND																																	
NEW MEXICO																																	
OHIO	1																																
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
UTAH																																	
VIRGINIA			6																														
WEST VIRGINIA			7																														
WYOMING																																	
TOTAL																																	
ANTHRACITE	1	20	4	1	5												38	9		40	11										1	58	
BITUMINOUS	1	20	4	1	5												38	9		40	11										2	181	
ALL COAL																																	
SURFACE MINES																																	
SIRIP																																	
ALABAMA																																	
ARIZONA																																	
INDIANA																																	
KENTUCKY																																	
LOUISIANA																																	
MISSOURI																																	
MONTANA																																	
NEW MEXICO																																	
NORTH DAKOTA																																	
OHIO																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
TEXAS																																	
VIRGINIA																																	
WASHINGTON																																	
WEST VIRGINIA																																	
WYOMING																																	
TOTAL																																	
ANTHRACITE	2	17	1														21	13		32	7										2	4	121
BITUMINOUS	2	17	1														21	13		32	7										2	4	121
ALL COAL																																	

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE RTB, 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
AUGER																																	
ALABAMA																																	
ILLINOIS																									1								
INDIANA																									1								
KENTUCKY																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
WEST VIRGINIA																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
CULM BANK																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
VIRGINIA																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
TOTAL SURFACE																																	
ALABAMA																																	
ARIZONA																																	
ILLINOIS																																	
INDIANA																																	
KENTUCKY																																	
LOUISIANA																																	
MISSOURI																																	
MONTANA																																	
NEW MEXICO																																	
NORTH DAKOTA																																	
OHIO																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
TEXAS			1																														
VIRGINIA																																	
WASHINGTON																																	
WEST VIRGINIA																																	
WYOMING			1																														
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL			2																														
			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, 1991 (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
ALASKA																																	
ALABAMA																																	
ILLINOIS																																	
INDIANA																																	
KENTUCKY																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
WEST VIRGINIA																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
CLIM BANK																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
VIRGINIA																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
TOTAL SURFACE																																	
ALABAMA																																	
ARIZONA																																	
ILLINOIS																																	
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KENTUCKY																																	
LOUISIANA																																	
MISSOURI																																	
MONTANA																																	
NEW MEXICO																																	
NORTH DAKOTA																																	
OHIO																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
TEXAS																																	
VIRGINIA																																	
WASHINGTON																																	
WEST VIRGINIA																																	
WYOMING																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	

TABLE 13. NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLLING, OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINE'S ONLY)			FIRE			HANDLING MATERIAL			HAND LOG			NONPOWERED HAULAGE		
	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI	FIL	NFI	NDI
TOTAL MINING																																	
ALABAMA																																	
ARIZONA																																	
COLORADO																																	
ILLINOIS																																	
INDIANA																																	
KENTUCKY																																	
LOUISIANA																																	
MARYLAND																																	
MISSOURI																																	
MONTANA																																	
NEW MEXICO																																	
NORTH DAKOTA																																	
OHIO																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
TEXAS																																	
UTAH																																	
VIRGINIA																																	
WASHINGTON																																	
WEST VIRGINIA																																	
WYOMING																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
PROCESSING PLANTS																																	
ILLINOIS																																	
KENTUCKY																																	
MARYLAND																																	
MONTANA																																	
NORTH DAKOTA																																	
OHIO																																	
OKLAHOMA																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
TENNESSEE																																	
UTAH																																	
VIRGINIA																																	
WEST VIRGINIA																																	
WYOMING																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HULLAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPINGEMENT		IMMERSION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR CLIPPING		OTHER		TOTAL	
	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL
TOTAL MINING																						
ALABAMA																						
ARIZONA																						
COLORADO																						
ILLINOIS																						
INDIANA																						
KENTUCKY																						
LOUISIANA																						
MARYLAND																						
MISSOURI																						
MONTANA																						
NEW MEXICO																						
NORTH DAKOTA																						
OHIO																						
PENNSYLVANIA																						
ANTHRAHITE																						
BITUMINOUS																						
ALL COAL																						
TEXAS																						
UTAH																						
VIRGINIA																						
WASHINGTON																						
WEST VIRGINIA																						
WYOMING																						
TOTAL																						
ANTHRAHITE																						
BITUMINOUS																						
ALL COAL																						
PROCESSING PLANTS																						
ILLINOIS																						
KENTUCKY																						
MARYLAND																						
MONTANA																						
NORTH DAKOTA																						
OHIO																						
OKLAHOMA																						
PENNSYLVANIA																						
ANTHRAHITE																						
BITUMINOUS																						
ALL COAL																						
UTAH																						
VIRGINIA																						
WEST VIRGINIA																						
WYOMING																						
TOTAL																						
ANTHRAHITE																						
BITUMINOUS																						
ALL COAL																						

TABLE 13 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREWING AGENT			FALLING, ROLLING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPROTECTED HAULAGE		
	FTL	NFDL	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																																	
ARIZONA																																	
COLORADO																																	
ILLINOIS																																	
INDIANA																																	
KENTUCKY																																	
LOUISIANA																																	
MARYLAND																																	
MISSOURI																																	
MONTANA																																	
NEW MEXICO																																	
NORTH DAKOTA																																	
OHIO																																	
OKLAHOMA																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
TENNESSEE																																	
TEXAS																																	
UTAH																																	
VIRGINIA																																	
WASHINGTON																																	
WEST VIRGINIA																																	
WYOMING																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
OFFICE																																	
KENTUCKY																																	
MARYLAND																																	
WEST VIRGINIA																																	
WYOMING																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	

TABLE 13 · NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONVICTION COAL OPERATIONS IN THE UNITED STATES, 1991 (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 MINES AND PLANTS																																	
ALABAMA			1																														
ARIZONA																																	
COLORADO																																	
ILLINOIS			1																														
INDIANA			3																														
KENTUCKY			13																														
LOUISIANA																																	
MARYLAND																																	
MISSOURI																																	
MONTANA																																	
NEW MEXICO																																	
NORTH DAKOTA																																	
OHIO																																	
OKLAHOMA																																	
PENNSYLVANIA																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
TENNESSEE																																	
TEXAS																																	
UTAH																																	
VIRGINIA																																	
WASHINGTON																																	
WEST VIRGINIA																																	
WYOMING																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																																	
OFFICE																																	
KENTUCKY																																	
MARYLAND																																	
WEST VIRGINIA																																	
WYOMING																																	
TOTAL																																	
ANTHRACITE																																	
BITUMINOUS																																	
ALL COAL																									</								

TABLE 13. NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BRAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL																						
ALABAMA													1				2					
ARIZONA																						
COLORADO																						
ILLINOIS																						
INDIANA																						
KENTUCKY																						
LOUISIANA																						
MARYLAND																						
MISSOURI																						
MONTANA																						
NEW MEXICO																						
NORTH DAKOTA																						
OHIO																						
OKLAHOMA																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
TENNESSEE																						
TEXAS																						
UTAH																						
VIRGINIA																						
WASHINGTON																						
WEST VIRGINIA																						
WYOMING																						
TOTAL																						
ANTHRACITE	5	1			1	1			2	1	1	10	5	2		2	1		31	35		3
BITUMINOUS	5	1			1	1			2	1	1	10	5	2		2			31	35		3
ALL COAL																						

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (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	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI	FTL	NFI
GRAND TOTAL																						
ALABAMA																						
ARIZONA																						
COLORADO																						
ILLINOIS																						
INDIANA																						
KENTUCKY																						
LOUISIANA																						
MARYLAND																						
MISSOURI																						
MONTANA																						
NEH. MEXICO																						
NORTH DAKOTA																						
OHIO																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
TENNESSEE																						
TEXAS																						
UTAH																						
VIRGINIA																						
WASHINGTON																						
WEST VIRGINIA																						
WYOMING																						
TOTAL																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						

TABLE 14 NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991

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
UNDERGROUND MINES																						
UNDERGROUND																						
ALABAMA													3				50					
ILLINOIS												1					17					
KENTUCKY												225					277		1			
MARYLAND												4										
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS												43					7					
ALL COAL												43					7					
UTAH																	51					
VIRGINIA									1								105					
WEST VIRGINIA												50		66			6,576		91			
													13									
TOTAL																						
ANTHRACITE																	7,083		92			
BITUMINOUS									1				323				7,083		92			
ALL COAL									1				323				7,083		92			
SURFACE AT UG																						
COLORADO																						
ILLINOIS																	10					
INDIANA																						
KENTUCKY																	66					
MARYLAND																						
NEW MEXICO																						
OHIO																						
PENNSYLVANIA																						
ANTHRACITE																	6					
BITUMINOUS																	252					
ALL COAL													4				258					
UTAH																	16		5			
VIRGINIA																	97					
WEST VIRGINIA		53															361		140			
TOTAL																						
ANTHRACITE																	6					
BITUMINOUS		53										4					802		145			
ALL COAL		53										4					808		145			
TOTAL UNDERGROUND																						
ALABAMA														3			50					
COLORADO																						
ILLINOIS												1					27					
INDIANA																						
KENTUCKY																						
MARYLAND												225					343		1			
NEW MEXICO												4										
OHIO																						
PENNSYLVANIA																						
ANTHRACITE																	6					
BITUMINOUS																	259					
ALL COAL												47					265					
UTAH												47					67		5			
VIRGINIA																	202					
WEST VIRGINIA		53												66			6,937		231			
												50		13								
TOTAL																						
ANTHRACITE																	6					
BITUMINOUS		53										1		327			7,885		237			
ALL COAL		53										1		327			7,891		237			

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, 1991 (CONTINUED)

WORK LOCATION AND STATE	FOUR-ED 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	NFCL	FTL	NFCL	FTL	NFCL	FTL	NFCL	FTL	NFCL	FTL	NFCL	FTL	NFCL	FTL	NFCL	FTL	NFCL	FTL	NFCL	FTL	NFCL
UNDERGROUND MINES																						
ALABAMA																						
ILLINOIS																						
KENTUCKY																						
MARYLAND																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
UTAH																						
VIRGINIA																						
WEST VIRGINIA																						
TOTAL																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
SURFACE AT CO																						
COLORADO																						
ILLINOIS																						
INDIANA																						
KENTUCKY																						
MARYLAND																						
NEW MEXICO																						
OHIO																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
UTAH																						
VIRGINIA																						
WEST VIRGINIA																						
TOTAL																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
TOTAL UNDERGROUND																						
ALABAMA																						
COLORADO																						
ILLINOIS																						
INDIANA																						
KENTUCKY																						
MARYLAND																						
NEW MEXICO																						
OHIO																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
UTAH																						
VIRGINIA																						
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, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
SURFACE MINES:																						
STRIP																						
ALABAMA																						
INDIANA																						
KENTUCKY															5		332		203			
LOUISIANA											5						10				51	
MONTANA																	65					
NEW MEXICO																	50					
NORTH DAKOTA																						
OHIO																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS											6,000	52					217		2			
ALL COAL											6,000	52					217		2			
TEXAS		12															230		16			
VIRGINIA																						
WEST VIRGINIA												56					70		3			
WYOMING		1															13		53			
TOTAL																						
ANTHRACITE																						
BITUMINOUS		13								5	6,000	108			5		987		277		51	
ALL COAL		13								5	6,000	108			5		987		277		51	
ALGER																						
ALABAMA																						
ILLINOIS																	54					
INDIANA																	54					
KENTUCKY																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
WEST VIRGINIA																						
TOTAL																						
ANTHRACITE																						
BITUMINOUS																	108					
ALL COAL																	108					
CULM BANK																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
VIRGINIA																	25					
TOTAL																						
ANTHRACITE																						
BITUMINOUS																	25					
ALL COAL																	25

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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, 1991 (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																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	6,056	-	-	-	-	-	-	-	6,056
INDIANA	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
KENTUCKY	-	103	-	-	-	-	-	-	-	-	-	135	-	205	-	-	-	-	-	-	-	983
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
MONTANA	-	-	-	-	-	-	-	-	-	-	-	3	-	12	-	4	-	-	-	-	-	80
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65
NORTH DAKOTA	6,000	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	-	-	6,000	135
OHIO	-	37	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	46
PENNSYLVANIA:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	8	-	114	-	-	-	-	-	-	6,000	393
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	8	-	114	-	-	-	-	-	-	6,000	393
TEXAS	-	89	-	-	-	-	-	-	-	-	-	85	-	103	-	14	-	-	-	-	-	549
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	-	30
WEST VIRGINIA	6,000	154	-	-	-	-	-	-	-	-	-	54	6,000	110	-	-	-	-	-	-	12,000	447
WYOMING	-	58	-	-	-	-	-	-	-	-	-	225	-	150	-	-	-	-	-	-	-	500
TOTAL:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	12,000	445	-	-	-	-	-	-	-	-	-	510	6,000	6,874	-	18	-	-	-	-	24,000	9,293
ALL COAL	12,000	445	-	-	-	-	-	-	-	-	-	510	6,000	6,874	-	18	-	-	-	-	24,000	9,293
AUGER																						
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	57
INDIANA	-	-	-	-	-	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62
KENTUCKY	-	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	140
PENNSYLVANIA:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	400	-	-	-	-	-	-	-	-	-	400
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	400	-	-	-	-	-	-	-	-	-	400
WEST VIRGINIA	-	-	-	-	-	382	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	382
TOTAL:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	140	-	-	-	444	-	-	-	-	-	403	-	-	-	-	-	-	-	-	1,095	-
ALL COAL	-	140	-	-	-	444	-	-	-	-	-	403	-	-	-	-	-	-	-	-	1,095	-
CULM BANK:																						
PENNSYLVANIA:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85
ALL COAL	-	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25
TOTAL:																						
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS	-	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110
ALL COAL	-	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110

TABLE 1A - 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, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENRAMPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE (UNDERGROUND MINES ONLY)		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDLING		NONPOWERED HAULAGE	
	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL
TOTAL SURFACE:																						
ALABAMA																						
ILLINOIS																						
INDIANA																						
KENTUCKY																						
LOUISIANA																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
NORTH DAKOTA																						
OHIO																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
TEXAS																						
VIRGINIA																						
WEST VIRGINIA																						
WYOMING																						
TOTAL																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
TOTAL MINING:																						
ALABAMA																						
COLORADO																						
ILLINOIS																						
INDIANA																						
KENTUCKY																						
LOUISIANA																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
NORTH DAKOTA																						
OHIO																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
TEXAS																						
UTAH																						
VIRGINIA																						
WEST VIRGINIA																						
WYOMING																						
TOTAL																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						

TABLE 14 - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (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 SURFACE																						
ALABAMA																					6,110	
ILLINOIS																					57	
INDIANA																					66	
KENTUCKY																					1,123	
LOUISIANA																					3	
MONTANA																					80	
NEW MEXICO																					65	
NORTH DAKOTA																					135	
OHIO																					46	
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																					878	
ALL COAL																					878	
TEXAS																					549	
VIRGINIA																					55	
WEST VIRGINIA																					823	
WYOMING																					500	
TOTAL																						
ANTHRACITE																						
BITUMINOUS																					10,498	
ALL COAL																					10,498	
TOTAL MINING																						
ALABAMA																					6,207	
COLORADO																					206	
ILLINOIS																					298	
INDIANA																					68	
KENTUCKY																					2,169	
LOUISIANA																					5	
MONTANA																					12	
NEBRASKA																					80	
NEW MEXICO																					65	
NORTH DAKOTA																					135	
OHIO																					63	
PENNSYLVANIA																					6	
ANTHRACITE																					2,179	
BITUMINOUS																					2,185	
ALL COAL																					549	
TEXAS																					98	
UTAH																					955	
VIRGINIA																					9,770	
WEST VIRGINIA																					500	
WYOMING																						
TOTAL																						
ANTHRACITE																					6	
BITUMINOUS																					23,719	
ALL COAL																					23,265	

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, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
PROCESSING PLANTS																						
ILLINOIS																	4		97			
KENTUCKY		11															318		32		54	
MARYLAND																	49					
MONTANA																	36					
NORTH DAKOTA																			24			
OHIO																						
OKLAHOMA																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																			26			
ALL COAL																			26			
TENNESSEE																						
UTAH																	23					
VIRGINIA																	15					
WEST VIRGINIA		6															738		371		54	
WYOMING						1									81		52		2			
TOTAL																						
ANTHRACITE																						
BITUMINOUS		17				1									81		1 235		552		108	
ALL COAL		17				1									81		1 235		552		108	
TOTAL MINES AND PLANTS																						
ALABAMA														3			104					
COLORADO																						
ILLINOIS												1					85		97			
INDIANA																						
KENTUCKY		11																				
LOUISIANA									5			225			5		993		236		54	
MARYLAND												4					49					
MONTANA																	46				51	
NEW MEXICO																	65					
NORTH DAKOTA																	50					
OHIO																			24			
OKLAHOMA																						
PENNSYLVANIA																						
ANTHRACITE																	6					
BITUMINOUS												6 000	99				476		28			
ALL COAL												6 000	99				482		28			
TENNESSEE																						
TEXAS		12															230		16			
UTAH																	90		5			
VIRGINIA																	242					
WEST VIRGINIA		59								1		106		66			7 745		605		54	
WYOMING		1				1							13		81		65		55			
TOTAL																						
ANTHRACITE																	6					
BITUMINOUS		83				1					6	6 000	435		82	86	10 240		1 066		159	
ALL COAL		83				1					6	6 000	435		82	86	10 246		1 066		159	
OFFICE																						
KENTUCKY																						
MARYLAND																						
WYOMING																			42			
TOTAL																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																			42			

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, 1991 (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																						
ILLINOIS											1											102
KENTUCKY	6,000	939									20		250								6,000	1,624
MARYLAND											1		3		4							57
MONTANA											1											37
NORTH DAKOTA													50									50
OHIO																						24
OKLAHOMA		7																				7
PENNSYLVANIA																						
ANTHRACITE		48											54									102
BITUMINOUS		105									76		21		8							236
ALL COAL		153									76		75		8							338
TENNESSEE		226																				226
UTAH											1											24
VIRGINIA		22											19									56
WEST VIRGINIA		15									694		1,045		6				17			2,946
WYOMING											6		41						4			187
TOTAL																						
ANTHRACITE		48											54									102
BITUMINOUS	6,000	1,314									800		1,429		18				21	6,000		5,576
ALL COAL	6,000	1,362									800		1,483		18				21	6,000		5,678
TOTAL MINES AND PLANTS																						
ALABAMA											38		6,062									6,207
COLORADO											140		66									206
ILLINOIS		2		39							135		1									360
INDIANA		6				62																68
KENTUCKY	6,000	1,392									294		579		4					6,000		3,793
LOUISIANA																						5
MARYLAND											1		10		5							69
MONTANA											4		12		4							117
NEW MEXICO	6,000																			6,000		65
NORTH DAKOTA	6,000																			6,000		185
OHIO		37											135									87
OKLAHOMA		7											26									7
PENNSYLVANIA																						
ANTHRACITE		48											54									108
BITUMINOUS		190									1,139		475		8					6,000		2,415
ALL COAL		238									1,139		529		8					6,000		2,523
TENNESSEE		226																				226
TEXAS		89									85		103		14							549
UTAH											26		1									122
VIRGINIA		235									186		281									1,011
WEST VIRGINIA	6,000	682	6,000	376		382					998		1,582		57				17	18,000		12,676
WYOMING		58									231		191						4			687
TOTAL																						
ANTHRACITE		48											54									108
BITUMINOUS	24,000	2,924	6,000	415		444					3,277	6,000	9,524		92				21	42,000		28,855
ALL COAL	24,000	2,972	6,000	415		444					3,277	6,000	9,578		92				21	42,000		28,963
OFFICE																						
KENTUCKY																						13
MARYLAND													10									10
WYOMING																						42
TOTAL																						
ANTHRACITE																						
BITUMINOUS													10									65
ALL COAL													10									65

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, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOCKETED 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																						
COLORADO																						
ILLINOIS																						
INDIANA																						
KENTUCKY																						
LOUISIANA																						
MARYLAND																						
MONTANA																						
NEW MEXICO																						
NORTH DAKOTA																						
OHIO																						
OKLAHOMA																						
PENNSYLVANIA																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						
TENNESSEE																						
TEXAS																						
UTAH																						
VIRGINIA																						
WEST VIRGINIA																						
WYOMING																						
TOTAL																						
ANTHRACITE																						
BITUMINOUS																						
ALL COAL																						

TABLE 14 NUMBER OF LOSI HOURS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		EXPLOSION OR EMISSION 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
GRAND TOTAL																						
ALABAMA											38		6,062								6,202	
COLORADO											140		66								206	
ILLINOIS											135		1								360	
INDIANA			39																		68	
KENTUCKY					62						294		579		4						3,806	
LOUISIANA	6,000	1,392																				
MARYLAND											1		20		5							
MONTANA											4		12		4							
NEW MEXICO	6,000												125								117	
NORTH CAROLINA	6,000												26								185	
OHIO																					87	
OKLAHOMA																					7	
PENNSYLVANIA																						
ANTHRACITE													54								109	
BITUMINOUS											1,139		475								2,415	
ALL COAL											1,139		529								2,523	
TENNESSEE																					206	
TEXAS											85		103		14						548	
UTAH											26		1								122	
VIRGINIA											186		281								1,071	
WEST VIRGINIA											988		1,562		57						12,676	
WYOMING	6,000		376		382						231		191				17				18,000	
TOTAL																						
ANTHRACITE																					108	
BITUMINOUS	24,000	2,924			444						3,277		9,534		92						42,000	
ALL COAL	24,000	2,972	415		444						3,277		9,588		92		13				42,000	
																					29,028	

TABLE 17. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ALL CONSTRUCTION CODE OPERATIONS IN THE UNITED STATES 1991

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI		TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI		TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI	
		PERMANENT	PARTIAL					TEMPO RARY	TOTAL NFI						
															TOTAL
UNDERGROUND MINES															
BETWEEN ROOM OPER		2		2	1	3									
DRILL OPERATOR						27									
ELECTRICIAN						4									
HAUL DUMP						4									
HOLST COKE SKIP						89									
LABORER	1				22	6									
MECHANIC MAINTENANCE						6									
MAINT MACH OPER						4									
WALL TANKS AND HAUL						2									
ROCK/ROOF BOLTER						4									
SUPERVISOR/FOREMAN						11									
TECH PROOF/ATLANTA	1				1	6									
INTERMEDIATE JACKSTER						1									
WELDER/MACHINIST						8									
N E C OR UNKNOWN					3	1									
TOTAL OR AVERAGE	1	3	126	130	131	172	6 000	6 000	175	4 534	10 709	16 709	58	36	128
SURFACE AT UNDERGROUND															
BUILDING/MOBILE EQUIP						3									
DRAG CRANE/SHOVEL OPER						1									
DRILL OPERATOR						1									
ELECTRICIAN						1									
FRONT END LOADER						1									
LABORER	1				2	16									
MECHANIC MAINTENANCE						8									
PREP PLANT OPER						1									
ROCK/ROOF BOLTER						1									
SUPERVISOR/FOREMAN						5									
TECH PROOF/ATLANTA	1				1	5									
TRUCK DRIVER						17									
WELDER/MACHINIST						6									
N E C OR UNKNOWN						2									
TOTAL OR AVERAGE	1	2	56	57	53	70	6 000	500	1 578	2 078	8 078	250	32	152	

TABLE 17 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NOI	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFIDL	
		PERMANENT	TEMPO RARY						TOTAL	PARTIAL	TOTAL NFIDL					
			TOTAL	PARTIAL												
TOTAL OR AVERAGE, UG																
BELT MAN/ROOM OPR		2	2	2	1	3				19	19			10	10	10
BULLDOZER/MOBILE EQUIP		2	2	2	1	3				8	8			4	4	4
DRAG/CRANE/SWIVEL OPR		2	2	2	1	3				2	2		62	26	26	44
DRAW/CRANE/SWIVEL OPR		27	27	29	1	30				1,149	1,274			53	53	1
ELECTRICIAN		2	2	2	1	3				53	53			1	1	1
FRONT END LOADER		2	2	2	1	3				1	1			13	13	4
HAUL DUMP		3	3	3	1	4				38	38			7	7	184
HOLIST/CAGE/SKIP		2	2	2	1	3		6,000	6,000	2	2	8,736	300	32	32	15
LABORER	1	1	77	79	24	104				104	104			15	15	6
MECHANIC/MAINTENANCE		1	7	7	1	9				18	18			6	6	3
MINING MACH OPR		1	3	3	1	4				3	3			3	3	3
PREP PLANT OPR		1	1	1	1	2				3	3			3	3	47
RAIL TRANS AND HAUL		1	1	1	1	2				188	188			72	72	84
ROCK/ROOF BOTTLER		4	4	4	1	5		6,000	6,000	200	200			47	47	896
SUPERVISOR/FOREMAN	1	1	10	11	16	16				921	921			5	5	5
TECH /PROP /CLERICAL		5	5	5	2	9				285	285			30	30	25
TIME/PROP /CLERICAL		1	1	1	1	2				5	5			25	25	56
TRUCK DRIVER		15	15	15	3	18				457	457			66	66	
WELDER/MACHINIST		3	3	3	5	8				75	75					
N.E.C. OR UNKNOWN		9	9	9	5	14				590	590					
TOTAL OR AVERAGE	2	1	176	182	58	242	12,000	6,000	675	6,112	12,787	135		35	35	135
SURFACE MINES																
STRIP																
BELT MAN/ROOM OPR		1	1	1	2	3				7	7			7	7	7
BULLDOZER/MOBILE EQUIP		10	10	10	1	11				177	177			18	18	18
DRAG/CRANE/SWIVEL OPR		3	3	3	1	4				108	108			36	36	26
DRAW/CRANE/SWIVEL OPR		2	2	2	1	3				53	53			26	26	26
ELECTRICIAN	1	1	1	1	1	4		6,000	6,000	6,000	6,000			6,000	6,000	6,000
FRONT END LOADER		4	4	4	13	38				129	129			32	32	32
LABORER	2	23	27	30	39	38		12,000		885	885		53	38	38	515
MECHANIC/MAINTENANCE		3	4	4	3	7				721	721			27	27	29
POWER/PROP/BLASTER		1	1	1	8	11				10	10			10	10	4,003
SUPERVISOR/FOREMAN	2	2	2	2	1	3				56	56			28	28	28
TECH /PROP /CLERICAL		21	21	21	12	24				684	684			33	33	33
TRUCK DRIVER		12	12	12	10	22				58	58			5	5	5
WELDER/MACHINIST		6	6	6	3	9				218	218			31	31	31
N.E.C. OR UNKNOWN		1	1	1	5	6				168	168			28	28	28
TOTAL OR AVERAGE	4	1	116	121	53	178	24,000	6,000	210	3,083	9,293	52		27	27	266
AUGER																
LABORER																
LOADING MACH OPR		1	1	1	1	2				3	3		400	70	70	111
MINING MACH OPR		2	2	2	4	6				490	490			101	101	101
TRUCK DRIVER		10	10	10	5	15				202	202			70	70	70
TOTAL OR AVERAGE													400	70	70	100

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, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	PERMANENT		TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		TOTAL	PARTIAL	TOTAL				PARTIAL					
									TEMPORARY				
QUARRY BANK LABORER			2	2	2					110		55	55
TOTAL OR AVERAGE			2	2	2					110		55	55
TOTAL OR AVERAGE SURFACE													
BELTMAN/ROOM OPR			1	1	1	2				7		7	7
BUILDING/MOBILE EQUIP			10	10	10	11				177		18	18
DRAG/CRANE/SHOVEL OPR			3	3	3	3				108		36	36
DRILL OPERATOR			2	2	2	1				53		26	26
ELECTRICIAN			1	1	1	1				6,000		6,000	6,000
FRONT END LOADER			4	4	4	4				129		32	32
LABORER	2		25	25	27	14	12,000			995		40	481
LOADING MACH OPR			1	1	1	1				3		3	3
MECHANIC/MAINTENANCE			27	30	30	39				881		27	27
MINING MACH OPR			7	8	8	9				890		70	77
POWERMAN/BLASTER			4	4	4	3				27		10	10
SUPERVISOR/FOREMAN	2		1	1	1	8	12,000			56		28	28
TECH/PROF/CLERICAL			2	2	2	1				886		39	39
TRUCK DRIVER			23	23	23	23				58		5	5
WELDER/MACHINIST			12	12	12	10				218		28	31
N E C OR UNKNOWN			7	7	7	3							
TOTAL OR AVERAGE	4	1	128	134	138	58	24,000	6,000	610	3,888	122	30	290
TOTAL OR AVERAGE MINING													
BELTMAN/ROOM OPR			3	3	3	3				26		9	9
BUILDING/MOBILE EQUIP			12	12	12	14				185		15	15
DRAG/CRANE/SHOVEL OPR			4	4	4	4				110		28	28
DRILL OPERATOR			29	31	31	33				1,327		41	43
ELECTRICIAN			2	3	3	5				6,053		2,018	2,018
FRONT END LOADER			5	5	5	5				130		26	26
HAUL DUMP			3	3	3	1				38		13	13
HOIST/DRIFT/SKIP			2	2	2	2				7		4	4
LABORER	3	1	102	104	107	38	18,000	6,000	300	9,731	300	34	295
LOADING MACH OPR			1	1	1	1				3		3	3
MECHANIC/MAINTENANCE			34	37	37	53				985		24	27
MINING MACH OPR			10	11	11	16				908		51	83
POWERMAN/BLASTER			4	4	4	3				27		7	7
PREP PLANT OPR			1	1	1	1				3		3	3
RAIL TRANS AND HAUL			1	1	1	1				3		3	3
ROCK/ROOF BOLTER			4	4	4	1				188		47	47
SUPERVISOR/FOREMAN	2		11	12	14	13	12,000		200	931	200	66	974
TECH/PROF/CLERICAL	1		7	8	9	3	6,000		50	341	50	42	705
TIMBERMAN/JACK SETTER			1	1	1	1				5		5	5
TRUCK DRIVER			38	38	38	40				1,343		35	35
WELDER/MACHINIST			15	15	15	15				133		19	19
N E C OR UNKNOWN			15	16	16	8				808		51	50
TOTAL OR AVERAGE	6	2	304	316	322	116	36,000	12,000	1,285	10,000	128	33	184

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, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI				TOTAL INJURIES	NFI	TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			PERMANENT AND PARTIAL	AVERAGE SEVERITY	
		TOTAL	PARTIAL	TEMPORARY	TOTAL NFI						TOTAL FATAL AND NFI					
												PERMANENT	TEMPORARY			TOTAL NFI
PROCESSING PLANTS																
BETTER/ROCK OPR			2		2	2		2	2						4	
BULLDOZER/MOBILE EQUIP			4		4	4		4	4						33	
DRAG/CRANE/SHOVEL OPR			3		3	3		3	3						47	
ELECTRICIAN			8		8	8		8	8						21	
LABORER	1		55		55	56		56	70	6,000				50	133	
LOADING MACH OPR			1		1	1		1	1						1	
MECHANIC/MAINTENANCE			7		7	7		7	11						79	
MINING MACH OPR							4		1							
PREP PLANT OPR			13		13	13		13	14						34	
SUPERVISOR/FOREMAN			6		6	6		6	12						32	
TECH/PROD/OFFICIAL		1	16		16	16		16	17						67	
TRUCK DRIVER			16		16	16		16	17						84	
WELDER/MACHINIST		1	15		16	16		16	26						33	
N F C OR UNKNOWN			10		10	10		10	18						17	
TOTAL OR AVERAGE	1	3	145		148	149	51	200	200	6,000	150		5,578	50	78	

TABLE 17 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY OCCUPATION, WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT ALL CONSTRUCTION CORP. OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	PERMANENT		TEMPORARY	TOTAL NFDI	TOTAL FATAL AND NFDI	NOI	TOTAL INJURIES	FATAL	NFDI		TOTAL FATAL AND NFDI	PERMANENT NFDI	TEMPORARY NFDI	TOTAL FATAL AND NFDI
		TOTAL	PARTIAL							TOTAL	PARTIAL				
TOTAL OR AVERAGE															
ALL MINES AND PLANTS															
BELT MAN/ROOM OPR															
BULLDOZER/MOBILE EQUIP															
DRAW/CRANE/SHOVEL OPR															
DRILL OPERATOR															
ELECTRICIAN															
FRONT END LOADER															
HAUL DUMP															
HOIST/CRANE/SKIP															
LABORER															
LOADING MACH OPR															
MACHINIC/MAINTENANCE															
MINE MACH OPR															
POWERMAN/BLASTER															
PREP PLANT OPR															
RAIL GRADER AND HAUL															
ROCK/ROOT BOILER															
SUPERVISOR/FOREMAN															
TCH/PROD./OFFICIAL															
TIMBERMAN/JACKSTILLER															
TRUCK DRIVER															
WELDER/MACHINIST															
N E C OR UNKNOWN															
TOTAL OR AVERAGE	7	2	13	449	464	471	167	638	42,000	12,000	1,435	15,528	28,963	70,963	110
OFFICE															
LABORER															
TCH/PROD./OFFICIAL				1	1	1	1	1				10	10	10	10
N E C OR UNKNOWN				3	3	3	1	4				55	55	55	18
TOTAL OR AVERAGE				4	4	4	2	6				65	65	65	16

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, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDL
		TOTAL	PARTIAL	TEMPO RARY					PERMANENT	TOTAL					
GRAND TOTAL OR AVERAGE	7	2	13	453	468	169	644	42,000	12,000	1,435	15,583	29,028	110	34	150
BELTMAN/ROOM OPR															
BULLDOZER/MOBILE EQUIP															
DRAG/CRANE/SHOVEL OPR															
DRILL OPERATOR															
ELECTRICIAN															
FRONT END LOADER															
HAUL DUMP															
HOTEL/DOCK/SKIP															
LABORER															
LOADING MACH OPR															
MECHANIC/MAINTENANCE															
MINING MACH OPR															
POWERMAN/BELTER															
PREP PLANT OPR															
RAIL TRANSP AND HAUL															
ROCK/ROOT ROTTER															
SUPERVISOR/FORMAN															
TECH/PROF/CLERICAL															
TIME/WORK/JACKSETTER															
TRUCK DRIVER															
WELDER/MACHINIST															
N E C OR UNKNOWN															
TOTAL OR AVERAGE	7	2	13	453	468	169	644	42,000	12,000	1,435	15,583	29,028	110	34	150

TABLE 18 · NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT ALL CONSTRUCTOR TOTAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDI				TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI
		PERMANENT	TEMPO RARY	TOTAL NFDI	TOTAL NFDI											
TOTAL	PARTIAL	TOTAL	PARTIAL	TOTAL												
UNDERGROUND MINES																
UNDERGROUND																
ELECTRICAL																
EXPLOSIVE AND BREAKING																
AGENT																
FALLING, ROLLING, OR																
SLIDING MATERIAL																
FALL OF FACE, RIB, SIDE																
OR HIGHWALL																
FALL OF ROOF (UNDER-																
GROUND MINES ONLY)																
HANDLING MATERIAL																
HAND TOOL																
POWERED HAULAGE																
MACHINERY																
SLIP OR FALL OF																
PERSON																
STEPPING OR KNEELING																
ON OBJECT																
STRIKING OR BUMPING																
TOTAL OR AVERAGE	1	1	3	126	131	41	172	6,000	175	4,534	58	128	53	36	128	
SURFACE AT UNDERGROUND																
ELECTRICAL																
FALL OF FACE, RIB, SIDE																
OR HIGHWALL																
HANDLING MATERIAL																
HAND TOOL																
POWERED HAULAGE																
MACHINERY																
SLIP OR FALL OF																
PERSON																
STEPPING OR KNEELING																
ON OBJECT																
TOTAL OR AVERAGE	1	2	50	52	53	17	70	6,000	500	1,578	250	152	32	32	152	

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, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI	
		PERMANENT	TEMPO- RARY	TOTAL NFDI					PERMANENT	TEMPO- RARY	TOTAL NFDI					
																TOTAL
TOTAL OR AVERAGE, U.S.																
ELECTRICAL			1		1		2				53			53		53
EXPLOSIVE AND BREAKING							1									
AGENT							1								1	1
FALLING, ROLLING, OR			1		1		1									
SLIDING MATERIAL																
FALL OF FACE, RIB, SIDE			8		8		8								41	41
OR HIGHWALL																
FALL OF ROOF (UNDER			5		5		7								16	16
GROUND MINES ONLY)			54		54		73								30	146
HANDLING MATERIAL		3	7		7		17		400		7,891	133			34	34
HAND TOOL			20		20		25	6,000			940				47	330
POWERED HAULAGE	1		5		6		6	6,000			415				83	1,069
HOISTING		2	36		38		47		275		1,564	138			36	41
MACHINERY																
SLIP OR FALL OF			40		40		51				1,221				31	31
PERSON																
STEPPING OR KNEELING			3		3		3				56				19	19
ON OBJECT							1									
STRIKING OR BUMPING																
TOTAL OR AVERAGE	2	1	5		182	58	242	12,000	6,000	675	12,787	135		35	135	135
SURFACE MINES:																
STRIP			2		2		2				13				6	6
ELECTRICAL																
EXPLODING VESSEL							1									
UNDER PRESSURE																
FALLING, ROLLING, OR			1		1		1									
SLIDING MATERIAL																
FALL OF FACE, RIB, SIDE			2		3		3	6,000								
OR HIGHWALL	1				1		1									
FIRE			28		32	15	47		210		108				54	2,036
HANDLING MATERIAL		4	10		10	13	23				5				5	5
HAND TOOL			1		1		1				987	52			28	31
NONPOWERED HAULAGE			17		19	1	20				277				28	28
POWERED HAULAGE	2		21		21	13	34	12,000			51				51	51
MACHINERY			31		33	7	40				445				26	665
SLIP OR FALL OF											510				24	24
PERSON	1	1						6,000			874				28	390
STEPPING OR KNEELING			2		2		2				18				9	9
ON OBJECT																
STRIKING OR BUMPING																
OTHER INJURIES																
TOTAL OR AVERAGE	4	1	4		121	53	178	24,000	6,000	210	3,083	52		27	266	266

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, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI	
		PERMANENT	TOTAL					TEMPO- RARY	TOTAL NFI						
			TOTAL	PARTIAL											
ALGER HAND INC. MATERIAL HAND TOOL POWERED HAULAGE IGNITION OR EXPLOSION OF GAS OR DUST MACHINERY TOTAL OR AVERAGE		2 1 6 1 10	2 1 6 2 11	2 1 6 2 11	2 2 1 2 5				108 140 444 3 695	108 140 444 403 1,095			54 140 74 3 70	54 140 74 3 100	
CUM BANK HAND INC. MATERIAL POWERED HAULAGE TOTAL OR AVERAGE		1 1 2	1 1 2	1 1 2	1 1 2				25 85 110	25 85 110			25 85 55	25 85 55	
TOTAL OR AVERAGE		2	2	2	2				13	13			6	6	
TOTAL OR AVERAGE SURFACE ELECTRICAL EXPLODING VESSEL UNDER PRESSURE FALLING, ROLLING, OR SLIDING MATERIAL FALL OF FACE, RIB, SIDE OR HIGHWALL FIRE	1						6,000		5	5			5	5	
HAND INC. MATERIAL HAND TOOL NONPOWERED HAULAGE POWERED HAULAGE IGNITION OR EXPLOSION OF GAS OR DUST MACHINERY SLIP OR FALL OF PERSON SLEEPING OR KNEELING ON OBJECT STRIKING OR BUMPING OTHER INJURIES TOTAL OR AVERAGE	2 1 1 1 1 1 4	2 1 31 10 19 6 22 31 2	2 1 35 10 19 6 23 32 2	3 1 35 10 21 6 23 33 2	3 1 17 15 1 1 7 13 7 2 58				108 5 910 277 670 444 513 874 18 3,888	6,108 5 1,120 277 670 444 913 6,874 18 10,498			54 5 29 28 51 35 74 23 28 9 30	2,036 5 32 28 51 603 74 40 390 9 250	

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, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	NOI	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL
		PERMANENT	TEMPO- RARY	TOTAL NFIDL				TOTAL	PARTIAL	TOTAL NFIDL				
TOTAL OR AVERAGE MINING														
ELECTRICAL	-	-	3	3	3	4	1	-	-	-	66	-	22	22
EXPLODING VESSEL	-	-	-	-	-	1	-	-	-	-	-	-	-	-
UNDER PRESSURE	-	-	-	-	-	1	-	-	-	-	-	-	-	-
EXPLOSIVE AND BREAKING AGENT	-	-	-	-	-	1	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR SLIDING MATERIAL	-	-	2	2	2	2	-	-	-	-	6	-	3	3
FALL OF FACE, RIB, SIDE OR HIGHWALL	1	-	10	10	11	11	-	6,000	-	-	435	-	44	44
FALL OF ROOF (UNDER GROUND MINES ONLY)	-	-	5	5	5	7	2	-	-	-	82	-	16	16
FIRE	-	-	1	1	1	1	-	-	-	-	5	-	5	5
HANDLING MATERIAL	-	-	81	89	89	125	36	-	-	-	9,011	-	30	30
HAND TOOL	1	7	17	17	17	42	25	-	6,000	610	514	87	51	51
NONPOWERED HAULAGE	-	-	1	1	1	1	-	-	-	-	51	-	41	41
POWERED HAULAGE	3	-	39	39	42	47	5	18,000	-	-	1,610	-	83	83
HOISTING	1	-	5	5	6	6	-	6,000	-	-	6,415	-	74	74
IGNITION OR EXPLOSION OF GAS OR DUST	-	-	6	6	6	7	1	-	-	-	444	-	31	31
MACHINERY	-	-	58	61	61	83	22	-	-	675	2,477	225	193	193
SLIP OR FALL OF PERSON	1	1	71	72	73	91	18	6,000	-	-	8,095	-	15	15
STEPPING OR KNEELING ON OBJECT	-	-	5	5	5	5	-	-	-	-	74	-	-	-
STRUCK BY OR BUMPING INTO OBJECT	-	-	-	-	-	2	2	-	-	-	-	-	-	-
OTHER INJURIES	-	-	-	-	-	2	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	6	2	304	316	322	438	116	36,000	12,000	1,285	23,285	128	33	184
PROCESSING PLANTS														
ELECTRICAL	-	-	2	2	2	2	-	-	-	-	17	-	8	8
EXPLODING VESSEL	-	-	1	1	1	1	-	-	-	-	1	-	1	1
UNDER PRESSURE	-	-	1	1	1	1	-	-	-	-	81	-	81	81
FIRE	-	-	48	50	50	65	15	-	-	100	1,235	50	24	24
HANDLING MATERIAL	-	-	14	14	14	23	9	-	-	-	552	-	39	39
HAND TOOL	-	-	2	2	2	2	-	-	-	-	108	-	54	54
NONPOWERED HAULAGE	-	-	13	13	14	15	-	-	-	-	1,362	-	105	105
POWERED HAULAGE	1	-	25	25	25	44	19	6,000	-	-	800	-	32	32
MACHINERY	-	-	-	-	-	2	-	-	-	-	7,362	-	46	46
SLIP OR FALL OF PERSON	-	-	31	32	32	36	4	-	-	50	1,483	50	46	46
STEPPING OR KNEELING ON OBJECT	-	-	3	3	3	5	2	-	-	-	18	-	6	6
OTHER INJURIES	-	-	5	5	5	6	1	-	-	-	21	-	4	4
TOTAL OR AVERAGE	1	3	145	148	149	200	51	6,000	-	150	5,678	50	38	78

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, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	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
TOTAL OR AVERAGE																		
ALL MINES AND PLANTS																		
ELECTRICAL																		
EXPLODING VESSEL																		
UNDER PRESSURE																		
EXPLOSIVE AND BREAKING																		
AGENT																		
FALLING, ROLLING, OR																		
SLIDING MATERIAL																		
FALL OF FACE, RIB, SIDE																		
OR HIGHWALL																		
FALL OF ROOF, UNDER-																		
GROUND MINES ONLY)																		
FIRE																		
HANDLING MATERIAL																		
HAND TOOL																		
NONPOWERED HAULAGE																		
POWERED HAULAGE																		
HOISTING																		
IGNITION OR EXPLOSION																		
OF GAS OR DUST																		
MACHINERY																		
SLIP OR FALL OF																		
PERSON																		
STEPPING OR KNEELING																		
ON OBJECT																		
STRIKING OR BUMPING																		
OTHER INJURIES																		
TOTAL OR AVERAGE	7	2	13	449	464	471	167	638	42,000	12,000	1,435	15,528	70,963	110	35	151		
OFFICE																		
FALLING, ROLLING, OR																		
SLIDING MATERIAL																		
HANDLING MATERIAL																		
HAND TOOL																		
SLIP OR FALL OF																		
PERSON																		
STRIKING OR BUMPING																		
TOTAL OR AVERAGE																		

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, 1981 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFI			TOTAL FATAL AND NFDI	TOTAL INJURIES	NFI	FATAL	NFI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI		
		TOTAL	PARTIAL	TEMPO- RARY					PERMANENT	TOTAL	PARTIAL					TEMPO- RARY	TOTAL NFDI
GRAND TOTAL OR AVERAGE	7	2	453	468	475	644	42,000	12,000	1,435	15,593	29,028	71,028	110	34	150		
ELECTRICAL	-	-	5	5	5	6	-	-	-	-	83	-	-	17	17		
EXPLODING VESSEL	-	-	1	1	1	2	-	-	-	-	1	-	-	1	1		
UNDER PRESSURE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
EXPLOSIVE AND BREAKING	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
AGENT	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
FALLING, ROLLING, OR	-	-	2	2	2	3	-	-	-	-	6	-	-	3	3		
SLIDING MATERIAL	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-		
FALL OF FACE, RIB, SIDE	-	-	10	10	11	11	6,000	-	-	-	435	-	-	44	585		
FALL OF RIG	1	-	-	-	-	7	-	-	-	-	82	-	-	16	16		
FALL OF ROOF (UNDER	-	-	5	5	5	2	-	-	-	-	86	-	-	43	43		
GROUND MINES ONLY)	-	-	2	2	2	2	-	-	-	-	86	-	-	27	27		
FIRE	-	-	131	141	141	192	-	-	-	710	10,288	-	79	34	34		
HANDLING MATERIAL	-	1	31	31	31	66	-	6,000	-	-	1,066	-	-	34	34		
HAND TOOL	-	-	3	3	3	3	-	-	-	-	159	-	-	53	53		
NONPOWERED HAULAGE	-	-	52	52	56	62	-	-	-	-	2,972	-	-	57	57		
POWERED HAULAGE	4	-	5	5	6	6	6,000	-	-	-	415	-	-	83	83		
HOISTING	1	-	6	6	6	7	-	-	-	-	444	-	-	74	74		
IGNITION OR EXPLOSION	-	-	83	86	86	127	-	-	-	675	3,277	-	225	31	38		
OF GAS OR DUST	-	-	-	-	-	41	-	-	-	-	-	-	-	-	-		
MACHINERY	-	3	-	-	-	22	-	-	-	-	-	-	-	-	-		
SLIP OR FALL OF	-	-	103	105	106	128	6,000	6,000	50	50	9,588	-	50	34	147		
PERSON	1	1	8	8	8	10	-	-	-	-	92	-	-	12	12		
STEPPING OR KNEELING	-	-	1	1	1	2	-	-	-	-	13	-	-	13	13		
ON OBJECT	-	-	5	5	5	8	-	-	-	-	21	-	-	4	4		
STRIKING OR BUMPING	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-		
OTHER INJURIES	-	-	-	-	-	169	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	7	2	453	468	475	644	42,000	12,000	1,435	15,593	29,028	71,028	110	34	150		

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, 1991

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL			
		PERMANENT	TOTAL					TOTAL	PARTIAL	TOTAL					PARTIAL		
			TOTAL	PARTIAL													
ELECTRICIAL																	
EYE			2		2	1										64	32
HAND			2		2											13	6
BODY SYSTEMS			1		1											6	6
MULTIPLE PARTS OF BODY																	
TOTAL OR AVERAGE			5		5	1										83	17
EXPLODING VESSEL																	
UNDER PRESSURE																	
EYE			1		1	1										1	1
KNEE																	
TOTAL OR AVERAGE			1		1	1										1	1
EXPLOSIVE AND BREAKING																	
AGENT																	
EAR						1											
TOTAL OR AVERAGE						1											
FALLING, ROLLING, OR																	
SLIDING MATERIAL																	
SHOULDER(S)			1		1	1										1	1
LOWER LEG			1		1	1										5	5
ANKLE																6	3
TOTAL OR AVERAGE			2		2	1										6	3
FALL OF FACE, RIB, SIDE																	
OR HIGHBALL			1		1	1										52	52
SKULL			1		1	1										4	4
HEAD, NEC			1		1	1										6,000	6,000
CHEST			2		2	2		6,000								43	22
SHOULDER(S)			1		1	1										4	4
KNEE			1		1	1										1	1
FOOT			1		1	1										56	56
TOE(S)			2		2	2										50	25
LOWER EXTREMITIES, NEC			1		1	1										225	225
UNCLASSIFIED																	
TOTAL OR AVERAGE			10		10	11		6,000								435	44

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ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	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													
	FATAL	TOTAL														
	FATAL	PERMANENT	PARTIAL	TEMPO RARY	TOTAL NFDL	TOTAL FATAL AND NFDL		PERMANENT	PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDL		TEMPO RARY	TOTAL FATAL AND NFDL		
FALL OF ROOF (UNDER- GROUND MINES ONLY)																
EYE				1	1	1				7	7		7	7		
WREST				1	1	1				3	3		3	3		
FINGER(S)				1	1	1				1	1		1	1		
BACK				1	1	1				5	5		5	5		
LOWER EXTREMITIES, NEC				1	1	1				66	66		66	66		
MULTIPLE PARTS OF BODY				1	1	1				1	1		1	1		
TOTAL OR AVERAGE				5	5	5				82	82		16	16		
FIRE																
UPPER EXTREMITIES, NEC				1	1	1				81	81		81	81		
MULTIPLE PARTS OF BODY				1	1	1				5	5		5	5		
TOTAL OR AVERAGE				2	2	2				86	86		43	43		
HAND, INC. MATERIAL																
EYE				6	6	6				8	8		1	1		
MOUTH/TEETH/TONGUE				1	1	1				10	10		10	10		
NOSE				1	1	1				16	16		16	16		
EARS				1	1	1				8	8		8	8		
FACE, NEC				1	1	1				97	97		48	48		
HEAD, NEC				1	1	1				31	31		31	31		
NECK				1	1	1				1	1		1	1		
ELBOW				1	1	1				188	188		94	94		
FOREARM				1	1	1				54	54		27	27		
WREST				1	1	1				123	123		27	27		
HAND				10	10	10				484	484		44	44		
FINGERS				1	1	1				19	19		6	6		
UPPER EXTREMITIES, NEC				1	1	1				12	12		5	5		
ARM/SHOULDER				1	1	1				19	19		6	6		
BACK				53	54	54				1	1		28	28		
CHEST				1	1	1				506	506		12	12		
PELVIC REGION				1	1	1				24	24		19	19		
SHOULDER(S)				1	1	1				116	116		38	38		
ARM, NEC				1	1	1				232	232		32	32		
KNEE				1	1	1				130	130		22	22		
LOWER LEG				1	1	1				63	63		9	9		
ANKLE				1	1	1				9	9		9	9		
FOOT				4	4	4				54	54		14	14		
TOE(S)				1	1	1				35	35		35	35		
LOWER EXTREMITIES, NEC				1	1	1				19	19		6	6		
BODY SYSTEMS				6	6	6				337	337		56	56		
MULTIPLE PARTS OF BODY																
TOTAL OR AVERAGE				131	141	141				3 578	10 288		79	27		

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, 1991 (CONTINUED)

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

TABLE 19. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

AT ALL CONTRACTOR LOCAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)															
ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI	
		PERMANENT	TEMPORARY					TOTAL	PARTIAL	TOTAL NFDI					
			TOTAL	PARTIAL											
HOISTING FINGER(S)			1		1								39	39	
BACK			1		1								54	54	
PELVIC REGION			1		1								93	93	
MULTIPLE PARTS OF BODY	1		2		3	6,000							229	2,076	
TOTAL OR AVERAGE	1		5		6	6,000							415	1,069	
IGNITION OR EXPLOSION OF GAS OR DUST															
FACE, NEC			3		3								353	118	
TRUNK, NEC			3		3								91	30	
MULTIPLE PARTS OF BODY			6		6								444	74	
TOTAL OR AVERAGE															
MACHINERY															
EAR			18		18								40	2	
EYE			1		1								2	2	
JAW			2		2								109	54	
HEAD, NEC			2		2								4	2	
NECK															
ELBOW															
FOREARM															
HAND			4		4								60	15	
FINGER(S)			6		6								855	95	
UPPER EXTREMITIES, NEC			5		5								308	62	
BACK			15		15								446	30	
CHEST			1		1								21	6	
SHOULDER(S)			3		3								17	14	
TRUNK, NEC			2		2								28	21	
THIGH			3		3								64	21	
KNEE			3		3								97	97	
LOWER LEG			1		1								40	40	
ANKLE			3		3								48	16	
FOOT			3		3								2	2	
TOE(S)			1		1								303	76	
LOWER EXTREMITIES, NEC			4		4								5	5	
BODY SYSTEMS			10		10								828	83	
MULTIPLE PARTS OF BODY			83		86								3,277	38	
TOTAL OR AVERAGE															

TABLE 19 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL CONTRACTOR LOCAL OPERATIONS IN THE UNITED STATES 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFI			TOTAL FATAL AND NFI	NEW	TOTAL INJURIES	FATAL	NFI			PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI		
		PERMANENT	TEMPORARY	TOTAL NFI					TOTAL	PARTIAL	TOTAL NFI					
S LIP OR FALL OF PERSON	1					1	6,000						79	79	6,000	79
MOUTH/LIP/H/TONGUE		1		1	1	1							1	1	1	1
FACE - NEC		1		1	1	1							1	1	1	1
HEAD - NEC		1		1	1	1							1	1	1	1
ELBOW		1		1	1	1							8	8	8	8
FOREARM		1		1	1	1							1	1	1	1
WRIST		1		1	1	1							1	1	1	1
FINGERS		1		1	1	1							577	577	577	27
UPPER EXTREMITIES, NEC		21		21	21	4	25						50	50	50	8
ARM/SHOULDER		6		6	6	2	8						132	132	132	44
BACK		3		3	3		3						406	406	406	68
CHEST		8		8	8	1	9						148	148	148	18
PELVIC REGION		1		1	1		1						1	1	1	1
SHOULDER(S)		11		11	11		11						630	630	630	57
TRUNK, NEC		12		12	12	3	15						350	350	350	29
THIGH		3		3	3		3						86	86	86	29
KNEE		7		7	7		7						340	340	340	49
LOWER LEG		19		19	19	1	20						6,694	6,694	6,694	37
ANKLE		1		1	1		1						34	34	34	34
FOOT		1		1	1		1						3	3	3	3
LOWER EXTREMITIES, NEC													9,588	9,588	9,588	147
MULTIPLE PARTS OF BODY																
UNCLASSIFIED																
TOTAL OR AVERAGE	1	1	103	105	106	22	128	6,000		50	3,536	50	34	34	147	147
STEPPING OR KNEELING ON OBJECT																
KNEE		2		2	2		2						65	65	65	32
ANKLE		4		4	4		4						22	22	22	6
FOOT		2		2	2		2						5	5	5	2
TOTAL OR AVERAGE		8		8	8	2	10						92	92	92	12
STRIKING OR BUMPING																
NECK		1		1	1		1									
SHOULDER(S)		1		1	1		1						13	13	13	13
MULTIPLE PARTS OF BODY		1		1	1	2	3						13	13	13	13
TOTAL OR AVERAGE		3		3	3	2	5						11	11	11	4
OTHER INJURIES																
EYE		2		2	2		2						10	10	10	5
SHOULDER(S)		5		5	5	3	8						21	21	21	4
BODY SYSTEMS																
TOTAL OR AVERAGE																

TABLE 19. NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	PERMANENT		NFI		TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI
		TOTAL	PARTIAL	TEMPO RARY					TOTAL NFI	TOTAL	PARTIAL					
TOTAL OR AVERAGE																
EAR			30		30		5	5					69		2	2
EYE			1		1		21	21					2		10	10
JAW			1		1		10	10					16		16	16
MOUTH/TEETH/TONGUE			1		1		1	1					52		52	52
NOSE			1		1		1	1					89		30	30
SKULL			3		3		2	2					273		34	34
FACE NEC			8		8		7	7					378		38	38
HEAD NEC			10		10		1	1	6,000				6,273		3	3
NECK			4		4		2	2					12		87	87
ELBOW			5		5		5	5					433		14	14
FOREARM			6		6		4	4					81		16	16
ARTIST			21		21		14	14					336		35	35
HAND			27	5	32		29	29		1,035			1,985	207	45	45
FINGER(S)			9		9		3	3					403		5	5
UPPER EXTREMITIES, NEC			4		4		5	5	6,000				6,020		32	32
ABDOMEN	1		107		108		11	11					9,467		1,204	1,204
BACK			11		11		14	14					104		3	3
CHEST			19		19		3	3	6,000	400			750	50	32	32
PELVIC REGION			19		19		23	23					751		40	40
SHOULDER(S)			18		18		1	1					678		38	38
TRUNK, NEC			3		3		5	5					4		1	1
THIGH			22		22		3	3					881		40	40
KNEE			19		19		6	6					106		53	53
LOWER LEG			14		14		5	5					418		22	22
ANKLE			3		3		2	2					197		14	14
FOOT			21		21		8	8					93		31	31
TOE(S)			3		3		2	2					1,260		60	60
LOWER EXTREMITIES, NEC			65		66		2	2	6,000				1,260		1,005	1,005
BOOY SYSTEMS	1		2		2		6	6	18,000	6,000			6,028		60	60
MULTIPLE PARTS OF BODY UNCLASSIFIED	3		1		1		6	6					27,973		130	130
TOTAL OR AVERAGE	7	2	453	13	468	475	169	169	42,000	12,000	1,435	15,583	71,028	110	34	150

TABLE 20 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT ALL CONTRIBUTOR COAL OPERATIONS IN THE UNITED STATES, 1991

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI		TOTAL FATAL AND NFDI	NOI	TOTAL INJURIES	FATAL	NFDI		TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI		
		PERMANENT	TEMPO- RARY					TOTAL NFDI	TOTAL					PARTIAL	TOTAL NFDI
ELECTRIC SHOCK----- ELECT. BURN (CONTACT)----- POISONING (SYSTEMIC)----- RADIATION/ULTRA VIOLET----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	1 1 1 2 5	1 1 1 2 5	1 1 1 2 5	- - - 1 6	1 1 1 3 6	- - - - -	- - - - -	1 1 1 2 83	1 1 1 2 83	1 1 1 2 83	1 1 1 2 83	1 1 1 2 83	
EXPLODING VESSEL UNDER PRESSURE----- CUT OR PUNCTURE----- DUST IN EYE----- TOTAL OR AVERAGE-----	- - - -	- - - -	1 1 1 1	1 1 1 1	1 1 1 1	- - 1 2	1 1 1 2	- - - -	- - - -	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	
EXPLOSIVE AND BREAKING AGENTS----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	- - -	- - -	1 1 1	1 1 1	- - -	- - -	- - -	- - -	- - -	- - -	- - -	
FALLING, ROLLING, OR SLIDING MATERIAL----- CONTUSION OR BRUISE----- STRAIN/SPRAIN----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	1 1 1 2 2	1 1 1 2 2	1 1 1 2 2	1 1 1 1 3	1 1 1 1 3	- - - - -	- - - - -	5 1 1 6 6	5 1 1 6 6	5 1 1 6 6	5 1 1 6 6	5 1 1 6 6	
FALL OF FACE, RIB, SIDE OR HIGHWALL----- CONTUSION OR BRUISE----- FRACTURE----- STRAIN/SPRAIN----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	1 - - - -	- - - - -	3 3 3 2 10	3 3 3 2 10	4 3 3 2 11	- - - - -	4 3 3 2 11	6,000 - - - 6,000	- - - - -	47 109 5 274 435	47 109 5 274 435	6,047 109 5 274 6,435	- - - - -	16 36 2 137 44	
FALL OF ROOF (UNDER- GROUND MINES ONLY)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- SCALD/ABRASION----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	3 1 1 1 5	3 1 1 1 5	3 1 1 1 5	1 1 1 1 2	4 1 1 1 7	- - - - -	- - - - -	74 1 7 7 82	74 1 7 7 82	74 1 7 7 82	- - - - -	25 1 7 7 16	

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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI	
		PERMANENT	TEMPO- RARY					TOTAL	PARTIAL	TOTAL NFI					
			TOTAL	PARTIAL											
FIRE															
BURN/SCALD (NOT CHEM)			2		2	2					86		43	43	43
TOTAL OR AVERAGE			2		2	2					86		43	43	43
HANDLING MATERIAL															
AMPUTATION/ENGULFMENT			2		2	2					360		180	180	180
BURN/SCALD (NOT CHEM)			1		1	1					10		10	10	10
CHEMICAL BURN			4		4	4					12		3	3	3
CONCUSSION (CEREBRAL)			2		2	2					97		48	48	48
CONCUSSION OR BRUISE			17		17	17					456		27	27	27
CUT OR PUNCTURE			10		10	10					200		20	20	20
DUST IN EYE			3		3	3					4		1	1	1
FRACTURE			9		9	9					347		39	39	39
HERNIA (NOT DISC)			7		7	7					350		50	50	50
POISONING (SYSTEMIC)															
RADIATION/ULTRA VIOLET			1		1	1					62		62	62	62
SCRATCH/ABRASION			1		1	1					2		2	2	2
STRAIN/SPRAIN			72		72	72					1,974		27	27	27
MULTIPLE INJURIES			3		3	3					93		31	31	31
OTHER INJURY, NEC			1		1	1					11		11	11	11
UNCLASSIFIED (NO DATA)			7		7	7					310		44	44	44
TOTAL OR AVERAGE			131	9	141	141					10,288	79	27	73	73
HAND TOOL															
CONCUSSION OR BRUISE			10		10	10					141		14	14	14
CUT OR PUNCTURE			5		5	5					31		6	6	6
DUST IN EYE			1		1	1					1		1	1	1
FRACTURE			4		4	4					727		182	182	182
STRAIN/SPRAIN			7		7	7					70		10	10	10
MULTIPLE INJURIES			3		3	3					75		25	25	25
OTHER INJURY, NEC			1		1	1					21		21	21	21
UNCLASSIFIED (NO DATA)			31		31	31					1,066		34	34	34
TOTAL OR AVERAGE			31		31	31					1,066		34	34	34
NONPOWERED HAULAGE															
STRAIN/SPRAIN			3		3	3					159		53	53	53
TOTAL OR AVERAGE			3		3	3					159		53	53	53

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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	PERMANENT			TEMPORARY	TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		TOTAL	PARTIAL	TOTAL					TOTAL	PARTIAL						
POWERED HAULAGE	1				1		1	6,000				6,000			27	6,000
ASPHYXIATION/CHOKING	1				1		1	6,000				6,000			26	6,000
CONCUSSION OR BRUISE		8		8	8		8				218	218			2	2
CUT OR PUNCTURE		4		4	4		4				102	102			2	2
DUST IN EYE		1		1	1		1				2	2			2	2
FRACTURE		8		8	8		8				818	818			102	102
STRAIN/SPRAIN		14		14	14		14				560	560			40	40
MULTIPLE INJURIES	2	12		12	14		16	12,000			1,119	13,119			93	937
UNCLASSIFIED (NO DATA)		5		5	5		5				153	153			31	31
TOTAL OR AVERAGE	4	52		52	56		62	24,000			2,972	26,972			57	482
HOISTING																
CONCUSSION OR BRUISE		2		2	2		2				109	109			54	54
CUT OR PUNCTURE		1		1	1		1				39	39			39	39
STRAIN/SPRAIN		1		1	1		1				54	54			54	54
MULTIPLE INJURIES	1	1		1	2		2	6,000			213	6,213			213	3,106
TOTAL OR AVERAGE	1	5		5	6		6	6,000			415	6,415			83	1,069
IGNITION OR EXPLOSION OF GAS OR DUST																
BURN/SCALD (NOT CHEM)		6		6	6		6				444	444			74	74
MULTIPLE INJURIES							1									
TOTAL OR AVERAGE		6		6	6		7				444	444			74	74
MACHINERY																
AMPUTATION/FUNCTICION		3		3	3		3				675	675		225	46	225
BURN/SCALD (NOT CHEM)		5		5	5		5				231	231			1	231
CHEMICAL BURN		2		2	2		2				2	2			2	2
CONCUSSION OR BRUISE		16		16	16		16				404	404			25	25
CUT OR PUNCTURE		16		16	16		16				192	192			12	12
DUST IN EYE		2		2	2		2				4	4			2	2
FRACTURE		4		4	4		4				301	301			75	75
PISONING (SYSTEMIC)		1		1	1		1				5	5			5	5
RADIATION/ULTRA VIOLET		1		1	1		1				2	2			1	2
SCALD/ABRASION		3		3	3		3				7	7			2	7
STRAIN/SPRAIN		15		15	15		15				222	222			15	15
MULTIPLE INJURIES		12		12	12		12				874	874			73	73
OTHER INJURY, NEC		1		1	1		1				60	60			60	60
UNCLASSIFIED (NO DATA)		4		4	4		4				298	298			74	74
TOTAL OR AVERAGE	3	83		86	86		41				2,602	3,277		225	31	38

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, 1991 (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	TOTAL						TEMPO- RARY	TOTAL NFDL							
			TOTAL	PARTIAL													
											TOTAL					PARTIAL	
SLIP OR FALL OF PERSON BURN/SCALD (NOT CHEM.) CONTUSION OR BRUISE CUT OR PUNCTURE DISLOCATION FRACTURE HERNIA (NOT DISC) SCRAATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	1		21	21	21	1	1	6,000			281	281		13	13	3,000	
STEPPING OR KNEELING ON OBJECT CUT OR PUNCTURE STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE			2	2	2	2	4								2	2	2
STRIKING OR BUMPING CONTUSION OR BRUISE STRAIN/SPRAIN TOTAL OR AVERAGE			1	1	1	1	1								7	7	7
OTHER INJURIES CUT OR PUNCTURE DUST IN EYE FRACTURE POISONING (SYSTEMIC) TOTAL OR AVERAGE			1	1	1	1	2								7	7	7

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, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI	
		TOTAL	PERMANENT	TEMPORARY				TOTAL	TEMPORARY	TOTAL NFDI					
TOTAL OR AVERAGE	1	5	14	19	5	5	6,000	1,035		771	1,035	207	55	207	6,000
AMPUTATION/ENGULFMENT															
ASPHYXIATION/DROWNING															
BURN/SCALD (NOT CHEM.)															
CHEMICAL BURN															
CONCUSSION (CEREBRAL)															
CONCUSSION OR BRUISE	2	86	86	172	15	15	12,000	1,730		578	1,730		22	48	167
CUT OR PUNCTURE	1	41	41	82	69	111	6,000	94		15	94		14	157	157
DISLOCATION		2	9	11	8	17				1	1		2	47	47
DUST IN EYE		1	1	1	1	1									
ELECTRIC SHOCK															
ELECTRIC BURN (CONTACT)															
FRACTURE		1	8	44	15	60	6,000	400		53	9,192	56	53	53	53
HERNIA (NOT DISC)															
POISONING (SYSTEMIC)															
RADIATION (OTHER VIOLE)															
SCALD/ABRASION															
STRAIN/SPRAIN	3	1	166	168	21	187	18,000			4,524	4,524		27	27	548
MULTIPLE INJURIES			46	46	19	65				2,852	2,852		36	36	36
OTHER INJURY, NCL			2	2	2	4				71	71		5	5	59
UNCLASSIFIED (NO DATA)			25	25	7	32				1,475	1,475				
TOTAL OR AVERAGE	7	2	453	458	169	644	42,000	12,000	1,435	15,593	29,028	110	34	150	150

TABLE 21 OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT ALL CONTRACTOR COAL OPERATIONS IN THE UNITED STATES, 1991

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 (NONIONIZING)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
UNDERGROUND MINES								
UNDERGROUND								
ALL COAL							1	1
ALABAMA						2		2
WEST VIRGINIA						2	1	3
TOTAL								
TOTAL UNDERGROUND							1	1
ALL COAL								2
ALABAMA						2		
WEST VIRGINIA						2	1	3
TOTAL								
TOTAL MINING							1	1
ALL COAL								2
ALABAMA						2		
WEST VIRGINIA						2	1	3
TOTAL								
TOTAL MINES AND PLANTS							1	1
ALL COAL								2
ALABAMA						2		
WEST VIRGINIA						2	1	3
TOTAL								
OFFICE								
ALL COAL						2		2
MINING						2		2
TOTAL								
GRAND TOTAL								
ALL COAL							1	1
ALABAMA						2		2
WEST VIRGINIA						2		2
MINING						4	1	5
TOTAL								

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, 1991
(CONTRACTOR DATA)

TYPE OF COAL AND WORK LOCATION	FATAL	FATAL INCIDENCE RATE	NFBI	NFBI INCIDENCE RATE	NDI	NDI INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED	PRODUCTION REPORTED (SHORT TONS)
BITUMINOUS COAL											
UNDERGROUND MINES											
SURFACE	1		130		41		172				
TOTAL, UNDERGROUND MINES	2		181		58		241				
SURFACE MINES											
STRIP MINES	4		121		51		178				
AUGER MINES			11		5		16				
OTHER SURFACE MINES			2				2				
TOTAL, SURFACE MINES	4		134		58		196				
TOTAL, PRODUCTION MINING	6		115		116		417				
PREPARATION PLANTS	1		146		51		198				
INDEPENDENT SHOPS/YARDS											
TOTAL, OTHER OPERATIONS	1		146		51		198				
TOTAL, BITUMINOUS MINING	7		461		167		635				
PENNSYLVANIA ANTHRACITE COAL											
UNDERGROUND MINES											
SURFACE			1				1				
TOTAL, UNDERGROUND MINES			1				1				
SURFACE MINES											
STRIP MINES											
CULM BANK											
DRIEGE											
TOTAL, SURFACE MINES											
TOTAL, PRODUCTION MINING			1				1				
PREPARATION PLANTS			2				2				
INDEPENDENT SHOPS/YARDS											
TOTAL, OTHER OPERATIONS			2				2				
TOTAL, ANTHRACITE MINING			3				3				
ALL COAL											
UNDERGROUND MINES											
SURFACE	1	10	130	12.93	41	4.08	172	17.10	1,871	2,011,166	278,361
TOTAL, UNDERGROUND MINES	2	05	181	6.17	58	1.96	241	8.20	6,626	5,903,535	278,361
SURFACE MINES											
STRIP MINES	4	07	121	2.12	51	9.1	178	1.11	10,291	11,441,645	637,537
AUGER MINES			11	9.24	5	4.20	16	13.44	309	238,155	559,284
CULM BANK			2	3.73			2	5.73	204	107,301	161,725
DRIEGE									27	23,761	
TOTAL, SURFACE MINES	4	07	134	2.27	58	9.8	196	3.32	10,831	11,810,862	1,358,546
TOTAL, PRODUCTION MINING	6	07	316	3.57	116	1.11	438	4.95	17,457	17,714,397	1,636,907
PREPARATION PLANTS	1	04	146	5.48	51	1.89	200	7.40	5,000	5,402,521	
INDEPENDENT SHOPS/YARDS											
TOTAL, OTHER OPERATIONS	1	04	146	5.48	51	1.89	200	7.40	5,000	5,402,521	
TOTAL, ALL COAL	7	06	464	4.01	167	1.44	638	5.52	22,457	23,116,918	1,636,907
OFFICEMEN											
BITUMINOUS			4		2		6				
ANTHRACITE											
TOTAL, OFFICEMEN			4	43	2	21	6	64	1,585	1,881,638	
GRAND TOTAL	7	06	468	3.74	169	1.15	644	5.15	24,042	24,998,556	1,636,907

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, 1991
(CONTRACTOR DATA)

WORK LOCATION AND MINERAL INDUSTRY	FATAL	FATAL INCIDENCE RATE	MFBI	MFBI INCIDENCE RATE	MDI	MDI INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED
UNDERGROUND MINES										
METAL			55		39		94			
NONMETAL			9		10		19			
STONE			64	6.04	49	4.63	113	10.67	2,366	2,118,916
TOTAL, UNDERGROUND MINES										
SURFACE MINES			146		63		212			
METAL	3		20		5		28			
NONMETAL	3		40		23		64			
STONE	7		206		91		304			
SUBTOTAL, SURFACE MINES	13		13		4		19			
SAND AND GRAVEL	2	11	219	2.60	95	1.13	323	3.83	14,392	16,850,489
TOTAL, SURFACE MINES	9		283	2.98	144	1.52	436	4.60	16,758	18,969,405
TOTAL, MINES	9	09								
MILLS			161		137		298			
METAL			41		45		86			
NONMETAL			105		46		204			
STONE	3	05	309	5.54	278	4.99	590	10.58	10,254	11,153,314
TOTAL, MILLS	3									
INDEPENDENT SHOPS AND YARDS			2				2			
METAL										
NONMETAL										
STONE										
TOTAL, SHOPS AND YARDS										
ALL MINES, MILLS AND SHOPS			364		239		606			
METAL	3		72		60		135			
NONMETAL	4		145		119		268			
STONE	10		581		418		1,009			
SUBTOTAL	17		13		4		19			
SAND AND GRAVEL	2	08	594	3.94	422	2.80	1,028	6.82	27,026	30,131,204
TOTAL, MINES/MILLS/SHOPS	12									
OFFICEMEN			3		2		5			
METAL										
NONMETAL			1				1			
STONE										
TOTAL, OFFICEMEN			4	38	2	19	6	56	1,647	2,132,325
SUMMARY TOTAL (INCLUDES OFFICEMEN)			367		241		611			
METAL	3		72		60		135			
NONMETAL	3		146		119		269			
STONE	10		585		420		1,015			
SUBTOTAL	16		13		4		19			
SAND AND GRAVEL	2	07	598	3.71	424	2.63	1,034	6.41	28,673	32,263,529
TOTAL, SAND AND GRAVEL	12									

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