

SPSS Data Dictionary for MSHA Accident/Injury/Illness Files

Variable Information								
Variable	Position	Label	Measurement Level	Column Width	Alignment	Print Format	Write Format	Missing Values
mineid	1	Mine ID: MSHA Mine ID assigned to a mining operation	Nominal	9	Left	A7	A7	
contract	2	Contractor: MSHA Contractor code assigned to an independent contractor	Nominal	10	Left	A7	A7	""
subunit	3	Subunit Operations Code. Circled on Form 7000-1, Section C under 5(a). If under 5(b), 01 is entered	Nominal	9	Right	F2	F2	
month	4	Month of Accident: Month code for the month of the accident. Form 7000-1, Item 6	Nominal	7	Right	F2	F2	
day	5	Day of Accident: Day of month of the accident. Form 7000-1, Item 6	Scale	5	Right	F2	F2	
time	6	Time of Accident: 2400 military time. Form 7000-1, item 7	Scale	6	Right	F4	F4	2401 through 9999
inspoff	7	Inspection Office: Code for MSHA Field office exercising jurisdiction over this mining operation	Nominal	9	Right	F4	F4	0
state	8	State Code: FIPS code for state in which mine is located	Nominal	7	Right	F2	F2	
county	9	County Code: FIPS code for county in which mine is located	Nominal	8	Right	F3	F3	
sic	10	SIC: Standard Industrial Code for primary commodity mined	Nominal	7	Right	F5	F5	
canvass	11	Canvass or Class: Designated a general product class based on SIC code. Internally generated by IEIO	Nominal	9	Right	F1	F1	
uloc	12	Underground Location: Code for underground mining location. Form 7000-1, item 5(b)	Nominal	6	Right	F2	F2	
umeth	13	Underground Mining	Nominal	7	Right	F2	F2	0

		Method: Code for underground mining method. Form 7000-1, item 5(c)						
tradnm	14	Trade Name of Equipment: Code for manufacturer of equipment involved in this accident. Form 7000-1, item 10)	Scale	8	Right	F3	F3	0
minemach	15	Mining Machine: Code for type of mining machine involved in this accident. Form 7000-1, item 10 - type	Scale	10	Right	F2	F2	0
modnum	16	Equipment Model Number: Equipment model number as reported on form 7000-1, item 10 - Model Number	Nominal	13	Left	A11	A11	
shift	17	Shift Time: Time shift started. Form 7000-1, item 8. 2400 military time	Scale	7	Right	F4	F4	2401 through 9999
aii	18	Accident Injury Illness: Classification of accident or illness. Coded from narrative and item 23 on form 7000-1	Scale	5	Right	F2	F2	
atype	19	Accident Type: Coded from information on Form 7000-1	Scale	7	Right	F2	F2	
injrep	20	Injuries Reported: Number of reportable injuries or illnesses resulting from this accident. Coded from information on form 7000-1, item 12	Nominal	8	Right	F3	F3	
docnum	21	Document Number: Internal control number stamped on document	Scale	14	Right	F12	F12	0
sex	22	Sex: Code for sex of person injured. Form 7000-1, item 14	Nominal	5	Right	F1	F1	3
age	23	Age: Generated from birthdate	Scale	5	Right	F2	F2	0
ywtotal	24	Total Mine Experience (YYWW): Total mining experience of person in years and weeks. Form 7000-1, item 27	Scale	9	Right	F4	F4	0
ywmine	25	Total Experience this Mine (YYWW): Total experience at this mine of person injured in years and weeks. Form 7000-1, item 26	Scale	8	Right	F4	F4	0
ywjob	26	Regular job experience (YYWW): Work experience	Scale	7	Right	F4	F4	0

		of regular job title in years and weeks. Form 7000-1, item 25						
jobtitle	27	Regular Job Title (Occupation): Occupation code for regular job title. Form 7000-1, item 17	Scale	10	Right	F3	F3	
mwactiv	28	Mine Worker Activity: Specific activity at time of injury. Form 7000-1, item 24	Scale	9	Right	F3	F3	
sourcinj	29	Source of Injury: Coded from 7000-1 item 20	Scale	10	Right	F3	F3	
natinj	30	Nature of Injury: Coded from 7000-1 item 21	Scale	8	Right	F3	F3	
partbody	31	Part of Body: Coded from 7000-1 item 22	Scale	10	Right	F3	F3	
deginj	32	Degree of Injury: Code for degree of injury from items 18 19 30 31 on form 7000-1	Nominal	8	Right	F2	F2	
daysstat	33	Days Away from Work: Statutory days lost	Scale	10	Right	F4	F4	
daysrest	34	Restricted work activity: Days of restricted work activity from this accident or illness. Form 7000-1 item 31	Scale	10	Right	F4	F4	
dayslost	35	Days Lost From Work: Actual days lost from work. Form 7000-1 item 30	Scale	10	Right	F4	F4	999
permtort	36	Permanently transferred or terminated. Form 7000-1, item 28	Nominal	10	Right	F1	F1	
retwork	37	Date Returned to Work (YYYYMMDD). Form 7000-1, item 29	Scale	10	Right	F8	F8	0
ccidn	38	Close Case Injury Document Number: Document number for report of injured person returning to work	Scale	14	Right	F12	F12	0
acccode	39	MSHA accident code: MSHA accident code from item 1 on form 7000-1	Nominal	9	Right	F2	F2	
invstart	40	Date Investigation Started (YYYYMMDD): Form 7000-1, item 2	Scale	10	Right	F8	F8	
upaddyr	41	Update Addition Year: Update addition cycle year	Nominal	9	Right	F4	F4	
upaddno	42	Update Addition Number: Update addition cycle	Scale	9	Right	F3	F3	

		number						
upchngyr	43	Update Change Year: Update change cycle year	Nominal	10	Right	F4	F4	
upchngo	44	Update Change Number: Update change cycle number	Scale	10	Right	F3	F3	
narrcm	45	M/NM or Coal indicator (narrative file)	Nominal	8	Left	A1	A1	
compcode	46	Completion Code: Narrative complete, truncated, or missing	Nominal	10	Right	F1	F1	
narrtxt1	47	Narrative (first 250 characters)	Nominal	26	Left	A250	A250	
narrtxt2	48	Narrative (last 134 characters)	Nominal	26	Left	A134	A134	
timesnce	49	Time (in hours) since beginning of shift (computed)	Scale	10	Right	F7.4	F7.4	
exptotal	50	Total Mining Experience (years-computed)	Scale	10	Right	F8.2	F8.2	
expmine	51	Experience at this Mine (years-computed)	Scale	10	Right	F8.2	F8.2	
expjob	52	Experience in this Job Title (years-computed)	Scale	10	Right	F8.2	F8.2	
year	53	Calendar year of data file (computed)	Scale	10	Right	F4	F4	
injtype	54	Occupational Injury Type (recoded)	Scale	10	Right	F1	F1	
daystotl	55	Lost Work Days based on statutory, actual, and restricted (computed)	Scale	10	Right	F5	F5	
jobtitl2	56	Reduced Set of Regular Job Title (Occupation): MSHA's reduced version of occupational codes (recoded)	Scale	10	Right	F3	F3	
coalmetl	57	Coal/Metal-nonmetal-stone- s&g identifier (computed)	Nominal	10	Left	A1	A1	
opercont	58	Operator/Contractor identifier (computed)	Nominal	10	Left	A1	A1	
district	59	MSHA District Office: Code for MSHA district exercising jurisdiction over this mining operation (recoded)	Nominal	10	Left	A3	A3	""
commod	60	Commodity based on CANVASS (recoded)	Scale	10	Right	F1	F1	
Variables in the working file								

Variable Values		
Value		Label
mineid	0000000	Contractor
subunit	1	Underground operations:All underground operations below surface of ground.Excavations beneath roof.Hoisting to surface.
	2	Surface at Underground: Includes surface shops and yards, tipple physically located at the mine site
	3	Surface: Strip or open pit mines including associated shops and yards
	4	Auger: Auger mining operations for coal mines only
	5	Culm Banks: Reworking of mine dumps or refuse pile. For coal mines only
	6	Dredge: Mining operations conducted from a platform floating on water
	12	Other Surface: Brine pumping, etc. For metal/nonmetal only
	17	Independent shops and yards: Shops and yards not associated with one specific mine. Will have an individual mine-id
	30	Mill or preparation plant:Mill prep plant or breaker operations assoc. with one specific mine.Includes assoc shops&yards
	99	Office: Professional or clerical workers at the plant or mine
month	1	January
	2	February
	3	March
	4	April
	5	May
	6	June
	7	July
	8	August
	9	September
	10	October
	11	November
	12	December
time	1	12:01am
	600	6:00am
	700	7:00am
	800	8:00am
	1200	12:00 noon
	1500	3:00pm
	1600	4:00pm
	2300	11:00pm
	2400	12:00 midnight
inspoff	100	Wilkes Barre District
	101	Wilkes Barre, PA
	102	Pottsville, PA

103	Shamokin, PA
200	New Stanton District
201	Ruff Creek, PA
202	Kittanning, PA
203	Washington, PA (Inactive code)
204	Johnstown, PA
205	Indiana, PA
206	Clearfield, PA
207	Carrolltown, PA (Inactive code)
211	Monroeville, PA (Inactive code)
212	Waynesburg, PA (Inactive code)
213	Kittanning, PA (Inactive code)
214	Washington, PA (Inactive code)
221	Johnstown, PA (Inactive code)
222	Indiana, PA (Inactive code)
223	Clearfield, PA (Inactive code)
224	Carrolltown, PA (Inactive code)
300	Morgantown District
301	Morgantown, WV
302	Fairmont, WV (Inactive code)
303	Bridgeport, WV
304	McHenry, MD
305	St. Clairsville, OH
306	Cadiz, OH (Inactive code)
307	New Lexington, OH (Inactive code)
308	Wellston, OH
311	Morgantown, WV (Inactive code)
312	Fairmont, WV (Inactive code)
313	Clarksburg, WV (Inactive code)
315	Oakland, MD (Inactive code)
316	Elkins, WV (Inactive code)
321	St. Clairsville, OH (Inactive code)
322	Cadiz, OH (Inactive code)
323	New Lexington, OH (Inactive code)
324	Wellston, OH (Inactive code)
400	Mt. Hope District
401	Mt. Hope, WV
402	Mt. Carbon, WV
403	Summersville, WV

404	Princeton, WV
405	Pineville, WV
406	Madison, WV
407	Logan, WV
411	Mt. Hope, WV (Inactive code)
412	Mt. Carbon, WV (Inactive code)
413	Summersville, WV (Inactive code)
421	Princeton, WV (Inactive code)
422	Pineville, WV (Inactive code)
431	Madison, WV (Inactive code)
432	Logan, WV (Inactive code)
500	Norton District
501	Norton, VA
502	Vansant, VA
503	Grundy, VA (Inactive code)
511	Norton, VA (Inactive code)
521	Richlands, VA (Inactive code)
522	Grundy, VA (Inactive code)
600	Pikeville District
601	Pikeville, KY
602	Elkhorn City, KY
603	Phelps, KY
604	Paintsville, KY (Inactive code)
605	Martin, KY
606	Whitesburg, KY
607	Hindman, KY
611	Pikeville, KY (Inactive code)
613	Elkhorn City, KY (Inactive code)
614	Sidney, KY (Inactive code)
616	Phelps, KY (Inactive code)
621	Paintsville, KY (Inactive code)
623	Prestonburg, KY (Inactive code)
624	Whitesburg, KY (Inactive code)
700	Barbourville District
701	Barbourville, KY
702	Harlan, KY
703	Jacksboro, TN
704	Hazard, KY
705	Hindman, KY (Inactive code)

706	Hyden, KY (Inactive code)
707	Jasper, TN (Inactive code)
711	Barbourville, KY (Inactive code)
712	Harlan, KY (Inactive code)
714	Jellico, TN (Inactive code)
715	Jacksboro, TN (Inactive code)
722	Jasper, TN (Inactive code)
723	Hueytown, AL (Inactive code)
724	Jasper, AL (Inactive code)
731	Hazard, KY (Inactive code)
732	Hindman, KY (Inactive code)
733	Hyden, KY (Inactive code)
800	Vincennes District
801	Vincennes, IN
802	Benton, IL
803	Hillsboro, IL
804	Sparta, IL (Inactive code)
811	Vincennes, IN (Inactive code)
812	Benton, IL (Inactive code)
813	Hillsboro, IL (Inactive code)
814	Sparta, IL (Inactive code)
900	Denver District
901	McAlester, OK
902	Aztec, NM
903	Sheridan, WY (Inactive code)
904	Gillette, WY
905	Price, UT
906	Craig, CO
907	Delta, CO
908	Castle Dale, UT (Inactive code)
911	McAlester, OK (Inactive code)
912	Trinidad, CO (Inactive code)
913	Sheridan, WY (Inactive code)
914	Gillette, WY (Inactive code)
921	Price, UT (Inactive code)
922	Glenwood Springs, CO (Inactive code)
923	Delta, CO (Inactive code)
924	Castle Dale, UT (Inactive code)
1000	Madisonville District

1001	Madisonville, KY
1002	Morganfield, KY
1003	Beaver Dam, KY
1011	Madisonville, KY (Inactive code)
1012	Morganfield, KY (Inactive code)
1013	Beaver Dam, KY (Inactive code)
1100	Birmingham District
1101	Hueytown, AL
1102	Jasper, AL (Inactive code)
2000	Northeastern District
2621	Wyomissing, PA
2622	Wyomissing (North), PA
2641	Charlottesville, VA
2671	Beckley, WV (Inactive code)
2681	Warrendale, PA
2800	Albany, NY (Inactive code)
2811	Watertown, NY (Inactive code)
2831	Springfield, MA (Inactive code)
2841	Dover, NJ (Inactive code)
2851	Geneva, NY
2861	Manchester, NH
2881	Albany, NY
3000	Southeastern District
3611	Bartow, FL
3631	Macon, GA
3651	San Juan, PR
3661	Birmingham, AL
3800	Knoxville, TN (Inactive code)
3811	Franklin, TN
3821	Lexington, KY
3851	Columbia, SC
3861	Knoxville, TN
3871	Sanford, NC
4000	North Central District
4611	Hibbing, MN (Inactive code)
4631	Lansing, MI
4641	Marquette, MI
4651	Duluth, MN (Inactive code)
4661	Hibbing, MN

4671	Fort Dodge, IA
4800	Vincennes, IN (Inactive code)
4821	Peru, IL
4851	Hebron, OH
4861	Vincennes, IN
5000	South Central District
5600	Dallas, TX (Inactive code)
5611	San Antonio, TX
5631	Carlsbad, NM
5641	Albuquerque, NM
5651	Denham Springs, LA
5671	Dallas, TX
5831	Topeka, KS (Inactive code)
5841	Omaha, NE (Inactive code)
5851	Rolla (N), MO
5852	Rolla (S), MO
5861	Norman, OK
5871	Little Rock, AR
6000	Rocky Mountain District
6611	Grand Junction, CO (Inactive code)
6621	Rapid City, SD
6641	Denver (West), CO (Inactive code)
6642	Denver, CO
6651	Topeka, KS
6800	Salt Lake City, UT (Inactive code)
6811	Moab, UT (Inactive code)
6821	Helena, MT
6831	Green River, WY
6841	Boulder City, NV (Inactive code)
6851	Salt Lake City, UT
6861	Mesa, AZ
6862	Mesa South, AZ (Inactive code)
6871	Elko, NV (Inactive code)
7000	Western District
7600	Bellevue, WA (Inactive code)
7611	Boise, ID
7621	Coeur D'Alene, ID (Inactive code)
7631	Albany, OR (Inactive code)
7641	Kent, WA

	7651	Albany, OR
	7800	Phoenix, CA (Inactive code)
	7811	Tucson, AZ (Inactive code)
	7821	Vacaville, CA
	7831	San Bernardino, CA
	7841	Boulder City, NV
	7851	Elko, NV
	7861	Anchorage, AK
	7871	Boise, ID (Inactive code)
	9998	Contractor-no insp. office
state	1	Alabama
	2	Alaska
	4	Arizona
	5	Arkansas
	6	California
	8	Colorado
	9	Connecticut
	10	Delaware
	11	District of Columbia
	12	Florida
	13	Georgia
	15	Hawaii
	16	Idaho
	17	Illinois
	18	Indiana
	19	Iowa
	20	Kansas
	21	Kentucky
	22	Louisiana
	23	Maine
	24	Maryland
	25	Massachusetts
	26	Michigan
	27	Minnesota
	28	Mississippi
	29	Missouri
	30	Montana
	31	Nebraska
	32	Nevada

	33	New Hampshire
	34	New Jersey
	35	New Mexico
	36	New York
	37	North Carolina
	38	North Dakota
	39	Ohio
	40	Oklahoma
	41	Oregon
	42	Pennsylvania
	44	Rhode Island
	45	South Carolina
	46	South Dakota
	47	Tennessee
	48	Texas
	49	Utah
	50	Vermont
	51	Virginia
	53	Washington
	54	West Virginia
	55	Wisconsin
	56	Wyoming
	61	Panama Canal Zone
	72	Puerto Rico
	78	Virgin Islands
	98	Contractor-no state
county	998	Contractor-no county
sic	10110	Iron ore
	10210	Copper Ore
	10310	Lead and/or Zinc Ore
	10410	Gold (lode and placer)
	10440	Silver ores
	10510	Aluminum Ore
	10610	Ferroalloy ores
	10611	Chromite
	10612	Cobalt
	10613	Columbium - Tantalum
	10614	Manganese
	10615	Molybdenum

10616	Nickel
10617	Tungsten
10920	Mercury
10940	Uranium - vanadium ores
10941	Uranium
10942	Vanadium
10990	Metal ores, NEC
10991	Antimony
10992	Beryl
10993	Platinum group
10994	Rare earths
10995	Tin ore
10996	Titanium
10997	Zircon
11110	Coal, Anthracite
12110	Coal, Bituminous
13111	Oil shale
13112	Oil sand
13113	Oil mining
14110	Stone, dimension, NEC
14111	Granite (dimension)
14112	Limestone (dimension)
14113	Marble (dimension)
14114	Sandstone (dimension)
14115	Slate (dimension)
14116	Traprock (dimension)
14119	Mica (dimension)
14220	Limestone (crushed and broken)
14230	Granite (crushed and broken)
14290	Stone, crushed & broken, NEC
14291	Marble (crushed & broken)
14292	Sandstone (crushed & broken)
14293	Slate (crushed & broken)
14294	Traprock (crushed & broken)
14296	Mica (crushed & broken)
14410	Sand & gravel
14530	Clay (fire)
14550	Clay (common)
14590	Clay, Ceramic and refractory, NEC

14591	Aplite
14592	Brucite
14593	Feldspar
14594	Kyanite
14595	Magnesite
14596	Shale (common)
14720	Barite
14730	Fluorspar
14740	Potash, soda, & borate minerals, NEC
14741	Boron Materials
14742	Potash
14743	Trona
14744	Sodium compounds
14750	Phosphate rock
14760	Salt (rock)
14770	Sulfur
14790	Chemical and fertilizer, NEC
14791	Lithium
14792	Pigment mineral
14793	Pyrites
14794	Strontium
14920	Gypsum
14960	Talc, soapstone, & pyrophyllite
14990	Nonmetallic minerals, NEC
14991	Asbestos
14992	Gemstones
14993	Gilsonite
14994	Mica
14995	Peat (before 1979)
14996	Perlite
14997	Pumice
14998	Vermiculite
28190	Industrial chemicals, NEC
28191	Alumina (Mill)
28193	Bromine
28991	Salt (evaporated)
28992	Salt (in brine)
29900	Leonardite
32410	Cement

	32740	Lime
	99998	Contractor-no SIC
canvass	1	Anthracite Coal
	2	Bituminous Coal
	3	Sub-bituminous (not used)
	4	Lignite (not used)
	5	Sand and Gravel
	6	Stone
	7	Nonmetal
	8	Metal
	9	Contractor
uloc	1	Vertical shaft
	2	Slope/inclined shaft
	3	Face
	4	Intersection
	5	Underground shop/office
	6	Other
	7	Unknown
	17	Central Shops
	30	Preparation Plants
	99	Office
umeth	1	Longwall
	2	Shortwall
	3	Conventional
	4	Undefined
	5	Continuous
	6	Hand
	7	Caving
	8	Other
tradnm	1	Abex
	2	Acker
	3	Acme
	4	Advanced Mining (coal augers)
	5	Aerodyne
	6	Allen-Sherman-Hoff
	7	Allis-Chalmers Bulldozer & Fiat (tractor)
	8	Alpine (continuous miner)
	9	American Hoist
	10	Atlas-Copco

11	Baldwin-Lima-Hamilton
12	Barber-Greene
13	Betti
14	Birdsboro_Black and Decker
15	Bucyrus-Erie (BE)
16	Buffalo-American
17	Case
18	Caterpillar (CAT)
19	Cedar Rapids
20	Chevrolet
21	Chicago Pneumatic
22	Clark
23	Cline
24	Coeur d'Alenes
25	Cushman
26	Dart
27	Demag
28	Deutz
29	Dorr-Oliver
30	Dravo
31	Eaton
32	Eickhoff
33	Eimco
34	Elkhorn
35	Emaco, John Deere
36	Epling
37	Euclid
38	Fairchild
39	Fletcher
40	FMC and Link Belt
41	Ford
42	Fuller
43	Galis
44	Gardner-Denver
45	General Electric
46	GMC (Jimmy)
47	Goodman
48	Gorman-Rupp
49	Gradeall

50	Grundlach
51	Harnischfeger and P&H
52	Hewitt-Robins
53	Ingersoll-Rand
54	Insley_Lincoln Welder
55	International Harvester (IH)
56	Jeffrey-Dresser
57	Jold
58	Joy
59	Kenworth
60	Kersey
61	Kobota
62	Koehring
63	Komatsu
64	Kress
65	Krupp
66	Lee-Norse
67	Long-Airdox
68	Mack
69	Manitowoc
70	Marion
71	Marathon Le Tourneau
72	Massey-Ferguson
73	McLanahan
74	Mescher
75	Michigan
76	Mine Equipment Co.
77	Mine Progress Inc.
78	Myers-Whaley
79	Nagle
80	National Mine Service
81	Nolan
82	Nordberg & Rexnord
83	Northwest
84	Orenstein & Kopper
85	Oshkosh
86	Owens
87	Page
88	Penndrill

	89	Pioneer
	90	Plymouth-Locomotor
	91	Raygo
	92	Richmond
	93	Ripco
	94	Robbins
	95	Rosco
	96	Royal
	97	Salem
	98	S & S
	99	Schramm
	100	Schroder
	101	Stacy
	102	Stamler
	103	Symons
	104	Telsmith
	105	Terex
	106	Unit Rig Equipment Co.
	107	Universal
	108	Wabco
	109	Wagner
	110	Warner Swassey
	111	Westfalia
	112	Westinghouse
	113	White
	114	Wilcox
	115	Wilfley
	116	Winter-weiss
	117	Wirth
	118	Yale Loaders
	119	Not on this list
	120	Unknown
	121	Not Reported
minemach	1	Aerial tram, tramway
	2	Air compressor
	3	Air transportation, planes, helicopters, etc.
	4	Auger machine (coal) surface and underground
	5	Various large shop power tools (bench grinder, lathe, drill press)
	6	Blow pipe or blow gun, air lance

7	Boats, barges and other water transportation
8	Bulldozer,dozer,crawler tractor
9	Carriage-mounted drills on track, rail, or rubber tired (jumbo,air-track drill,churndrill,rotary,jet piercing)
10	Chute
11	Classifier, cyclones
12	Continuous miner, tunnel borer, DOSCO
13	Conveyor (all types belts,pan,screw, and other)
14	Crane, derrick
15	Crusher, breaker, mills (ball and rod)
16	Cutting machine, for mining only, chain cutter
17	Dimension stone cutting and polishing machinery
18	Dredge
19	Elevator, skip, cage (hoisting or lowering men or materials)
20	Electric, hydraulic drill, coal drills (not impact drills)
21	Fan
22	Flotation and filters (mill machines)
23	Forklift
24	Front-end loader,tractor-shovel,payloader,highlift,skip loader(surface)
25	Gathering arm loader,Conway loader,St. Joe loader,coal loading machine,unatrac
26	Grizzlies
27	Gunite machine, shotcrete
28	Handtools (not powered)(wrench),jacks
29	Handtools (powered)(drill)
30	Hoist, car dropper, hydraulic jack
31	Hydraulic jets (monitors)
32	Impactor (pneumatic machine used to break large rocks)
33	Load-haul-dump, scoop tram, CAVO, transloader, ram car, bobcat
34	Locomotive, rail-mounted ,lorry car
35	Longwall machine (plow shearer)
36	Longwall subparts (jacks or chocks)
37	Mancar,mantrip,personnel carrier,porta bus,jeep,jitney
38	Man lift (not elevator,skip, or cage)
39	Mill, grinding (rod,ball,autogenous,pug,hammer)
40	Milling machine (all other NEC)
41	Mine car, timber truck, nipper truck (rail), all underground
42	Mine car, ore or coal car (rail only), all surface
43	Mucking machine, overshot loader
44	Ore haulage trucks - off highway and underground

	45	Ore haulage trucks - highway
	46	Packaging machine
	47	Pneumatic blasting agent loader
	48	Pump
	49	Raise borer
	50	Raise climber
	51	Raw coal storage, tripple, dump
	52	Roadgrader, motor grader, motor patrol
	53	Rock drill (jackleg,airleg,drifter,stoper,buzzy,stinger,jackhammer,diamond drill)
	54	Rock or roof bolting machine
	55	Rock dusting machine
	56	Rotary dump
	57	Scraper loader,self loading scraper,tractor scraper,pan scraper
	58	Screen (for sizing and washing)
	59	Shortwall machine
	60	Dragline,shovel (mining & stripping),power shovel,bucket-wheel excavator,clamshell
	61	Shuttle car
	62	Skip pocket
	63	Slusher,scraper hoist,scram,scram level
	64	Tamping machine (for packing railroad ties, etc)
	65	Track maintenance and repair equipment, rerailer
	66	Tractor (underground)
	67	Trucks (not ore haulage),pickups,water trucks,service/utility trucks
	68	Tugger,air winch
	69	Washers
	70	Welding machine
	71	Machine, NEC
shift	1	12:01am
	600	6:00am
	700	7:00am
	800	8:00am
	1200	12:00 noon
	1500	3:00pm
	1600	4:00pm
	2300	11:00pm
	2400	12:00 midnight
aii	1	Electrical
	2	Entrapment
	3	Exploding vessels under pressure

	4	Explosives and breaking agents
	5	Falling,rolling, or sliding rock or material of any kind
	6	Fall of face,rib,pillar,side, or highwall (from in place)
	7	Fall of roof,back, or brow (from in place)
	8	Fire
	9	Handling material
	10	Handtools
	11	Nonpowered haulage
	12	Powered haulage
	13	Hoisting
	14	Ignition or explosion of gas or dust
	15	Impoundment
	16	Inundation
	17	Machinery
	18	Slip or fall of person (from an elevation or on the same level)
	19	Stepping or kneeling on object
	20	Striking or bumping
	21	Other (not 1-20)
	26	Occupational skin diseases or disorders
	27	Dust disease of the lungs
	28	Respiratory conditions due to toxic agents (pneumonitis)
	29	Poisoning
	30	Disorders due to physical agents other than toxic materials
	31	Disorders associated with repeated trauma
	32	Other occupational illnesses
atype	1	Struck against stationary object
	2	Struck against moving object
	3	Struck by concussion
	4	Struck by falling object
	5	Struck by flying object
	6	Struck by rolling object (sliding)
	7	Struck by powered moving object
	8	Struck by NEC
	9	Fall down raise,shaft, or manway underground
	10	Fall from scaffolds,walkways (elevated),platforms, etc.
	11	Fall from headframe,derrick, or tower
	12	Fall from machine,vehicle, or equipment
	13	Fall from piled material (include coal,rock,ore, or waste)
	14	Fall from ladders

	15	Fall down stairs
	16	Fall to lower level NEC
	17	Fall to the walkway or working surface
	18	Fall onto or against objects
	19	Fall on same level NEC
	20	Caught in-under-between running or meshing objects
	21	Caught in-under-between a moving and stationary object
	22	Caught in-under-between several moving objects
	23	Caught in-under-between collapsing material or buildings
	24	Caught in-under-between NEC
	25	Rubbed or abraded NEC
	26	Bodily reaction NEC
	27	Over-exertion in lifting objects
	28	Over-exertion in pulling or pushing objects
	29	Over-exertion in wielding or throwing objects
	30	Over-exertion NEC
	31	Contact with electric current
	32	Contact with heat (atmosphere or environment)
	33	Contact with hot objects or substances
	34	Contact with cold (atmosphere or environment)
	35	Contact with cold objects or substances
	36	Inhalation of various noxious substances
	37	Ingestion of various noxious substances
	38	Absorption of various noxious substances
	39	Flash burns (electric)
	40	Flash burns (welding)
	41	Drowning
	42	Not elsewhere classified
	43	Unclassified, insufficient data
	44	Accident type without injuries
sex	1	Male
	2	Female
jobtitle	1	Belt/Conveyor Man
	2	Electrician
	3	Electrician Helper
	4	Mechanic/Repairman
	5	Mechanic Helper
	6	Rock Duster
	7	Shotfirer/Shooter/Blaster

8	Stpng Bldg/Ventlin/Masn
9	Supplyman
10	Timberman/Propman/Jacksetter
11	Wireman/Comm Repairman
15	Fan Attendant
16	Laborer/Adv Fc/Mvup/Pupman
19	Cement Man
24	Trainee
25	Bobcat Operator
26	Grizzly Man/Car Dump Opr
28	Scoop Tram-Load Haul Opr
29	Mucking Machine Opr
30	Slusher Operator
31	Beater/Shotfire Helper
32	Brattice Man
33	Drill Helper
34	Drill Operator
35	Continuous Miner Helper
36	Continuous Miner Opr/Mole
37	Cutting Machine Helper
38	Cutting Machine Opr/Ripper
39	Hand Loader/Hand Trammer
40	Headgate Operator
41	Jacksettr/Longwall/Advncm
42	Loading Machine Helper
43	Loading Mach Opr/Joy Stjo
44	Longwall Shr Opr/Plow Opr
45	Rockman/Hangup Man/Chute
46	Roof Bolter/Rock Bolter
47	Roof Bolter Helper/Rock Hlp
48	Roof Bolter Mounted
49	Section Foreman/Shiftboss
50	Shuttle Car Opr/Ram Car
51	Stall Driver
52	Tailgate Operator
53	Utility Man
54	Scoop Car Opr/Unitrac Opr
57	Stope Miner
58	Drift Miner

59	Raise Miner
63	Miner NEC
64	Contract Miner
67	Power Shovel Operator
68	Bulldozer Operator
75	Grader operator/Roadgrader operator
76	Truck Driver
78	Crane Opr/Dragline/Backhoe
82	Frontend Loader Operator
101	Belt/Conveyor Man
102	Electrician
103	Electrician Helper
104	Mechanic Repairman
105	Mechanic Helper
106	Rock Duster
108	Stpng Bldg/Ventlin/Masn
109	Supplyman
110	Timberman/Propman/Jackstr
111	Wireman/Comm Repairman
112	Belt Vulcanizer
113	Cleanup Man
114	Coal-MN Sampler
115	Fan Attendant
116	Laborer/Mck Mch Opr/Pipe Gin
117	Rodman
118	Oiler/Greaser
119	Welder/Cement Man
122	Dump Operator
123	Transit Man
124	Trainee
126	Grizzly Man/Car Dump Opr
128	Load Haul Dump Opr/Gizmo
149	Labr Foreman/Bulngng Foreman
154	Belt Cleaner
155	Chainman
156	Rock Driller
157	Pumper
158	Rock Machine Operator
159	Water Line Man

160	Shopman/Machinist
163	Miner NEC
167	Power Shovel Operator
168	Bulldozer Operator
175	Grader Operator
176	Truck Driver
178	Crane Opr/Dragline/Backho
182	Frontend Loader Operator
201	Belt/Conveyor Man
216	Trackman
220	Cager
221	Hoistman/Engineer
224	Transportation Trainee
230	Skip Tender
240	Lodr Hed Opr/Roscoe Opr
255	Chainman
261	Battery Station Opr
262	Brakeman/Rope Rider/Snapr
265	Dispatcher
269	Motorman/Swamper/Switchman
276	Driver/Tractor Opr/Jeep
277	Buggy Pusher
301	Belt/Conveyor Man
302	Electrician
303	Electrician Helper
304	Mechanic/Repairman
305	Mechanic Helper
307	Shotfirer/Shooter/Blaster
308	Mason
309	Supp/Supp Trck Drvr/Whsmn
311	Wireman/Comm Repairman
312	Belt Vulcanizer
313	Cleanup Man
314	Coal MN Sampler
315	Fan Attendant
316	Laborer/Utility MN/Pumper
317	Rodman
318	Oiler/Greaser
319	Welder

320	Cager/Cage Attendant/Aerial
321	Hoistman/Engineer
322	Dump Operator
323	Transit Man
324	Trainee
325	Bobcat Operator
327	Surface Miner
330	Skip Tender
331	Claw Operator
333	Drill Helper
334	Drill Operator
340	Boom Operator
350	Shuttle Car Operator
355	Chainman
356	Rock Driller
360	Machinist
362	Brakeman/Trip Rider
363	Miner NEC/Quarry Worker
365	Dispatcher
366	Waterboy
367	Power Shovel Operator/Pitman
368	Bulldozer Operator/Tractor/Heavy Equip
369	Motorman/Swamper/Switchman
370	Auger Operator
371	Auger Helper
372	Barge Attendant/Boat/Dredge
373	Car Dropper
374	Clnplt/med/Boneyopr/Crshr
375	Grader Opr/Roadgrader Opr
376	Truck Driver
378	Crane Opr/Dragline/Backho
379	Dryer Operator
380	Fine Coal Plant Operator
381	Hoist Operator Helper
382	Highlift Opr/Frontend Loader
383	Highwall Drill Helper
384	Highwall Drill Operator
385	Lampman
386	Refuse Truck Driver

	387	Rotary Bucket Excavator Opr
	388	Scalper-Screen Operator
	389	Forklift Operator
	390	Silo Operator
	391	Stripping Shovel Operator
	392	Tipple Opr/Topman/Binman
	393	Weighman
	394	Carpenter
	395	Water Truck Operator
	396	Watchman/Guard
	397	Yard Engineer Opr/Fireman
	398	Stone Finishing/Sizing Prsl
	399	Dimnsn Stone Cutter/Polisher
	402	Master Electrician
	404	Master Mechanic
	414	Dust Sampler/Lab Technician
	418	Maintenance Foreman
	423	Surveyor
	430	Asst. Mine Foreman/Asst Mine Mgr
	449	Mine Foreman/Mine Manager/Owner
	456	Engnr-Elec/Vent/Mining
	462	Fire Bs/Pre-Shift Examiner
	464	Inspector
	481	Superintendent
	489	Outside Foreman
	494	Prep Plant Foreman/Mill Foreman
	495	Safety Director
	496	Union Representative
	497	Timekeeper/Clerk/Ofc Help
	590	Education Specialist
	591	Mineral Industrial Safety Officer
	592	Mine Safety Instructor
	593	Safety Representative
	594	Training Specialist
	604	Mechanics Repairman
	999	Unknown or NEC
mwactiv	1	Accident recovery (equipment & workers)
	2	Advance longwall roof support
	3	Blasting; shoot coal

4	Blow gun to blow out drilled holes
5	Brush floor
6	Bar down face, rib or side, etc.
7	Caging; operate elevator; manlift; etc.
8	Cement work; gunite crew, etc.
9	Change house, bathing; changing clothes, etc.
10	Chute, pull or free
11	Clean up
12	Climb in raise/shaft/manway
13	Climb scaffolds/ladders/platforms; headframe/derrick/towers
14	Climb on piled material/ore/rock/timber/stone
15	Couple/uncouple mine car/tractor/jeep, etc.
16	Crawling/kneeling
17	Cross over (conveyor)
18	Double jack
19	Drill face/rib/side/down/rise (NOT ROOF BOLTER)
20	Electrical maintenance/repair
21	Environmental tests/checks
22	Escaping a hazard
23	Get on or off equip. machines, etc.
24	Grinding
25	Hand load; hand shoveling/mucking
26	Handling coal, rock, waste or ore
27	Handling explosives
28	Handling supplies or material, load and unload
29	Handling timber
30	Hand tools (not powered)
31	Hand tools (powered)
32	Hang or reposition tubing/pipe/rope/wire etc.
33	Horseplay
34	Idle (eat lunch, coffee break, etc.)
35	Impactor
36	Inspect equipment
37	Investigate, enter, or work in bins, tanks, etc.
38	Lay or repair railroad track/roadbed, switching tracks, etc.
39	Machine maint./repair
40	Move power cable
41	Moving equipment
42	Observe operations

43	Office and lab work
44	Auger (surface mine)
45	Auger (underground mine)
46	Barge, boat, dredge
47	Bulldozer
48	Coal tippel/crusher/cleaning plant/breaker
49	Continuous miner
50	Conveyor belt (not riding)
51	Cutting machine
52	Fork lift
53	Front-end loader
54	Grader
55	Haulage truck
56	Hoist
57	Jitney
58	Load-haul-dump
59	Loading machine
60	Locomotive (air trammer)
61	Longwall, shear, plow
62	Mantrip
63	Mill equipment
64	Mucking machine
65	Power shovel/dragline/backhoe
66	Rock dust machine
67	Scraper (rig); cans, etc.
68	Shortwall
69	Shuttle car
70	Slusher
71	Utility truck
72	Surface equipment NEC
73	Underground equipment NEC
74	Remove or position hydraulic jack
75	Rerail equipment
76	Ride equipment
77	Roof bolter, drilling
78	Roof bolter, inserting bolt
79	Roof bolter, tramming
80	Roof bolter, NEC
81	Sand fill (backfilling stopes w/sand, gob, etc.)

	82	Set brattice
	83	Set/remove/relocate props
	84	Skip pocket (pull/free)
	85	Spot cars; drop cars
	86	Sprag/block/chock mine cars or other track equip.
	87	Supervise
	88	Surface construction NEC
	89	Timbering (includes lagging and cribbing)
	90	Travel to and from work location
	91	Ventilation (maintenance/installation)
	92	Walking/running
	93	Welding and cutting
	94	Wetting down working place
	95	Working w/solvents
	96	Working w/chemicals
	97	Working w/noxious materials NEC
	98	Other NEC
	99	Unknown
sourcinj	1	Animals, insects, birds, reptiles, (live)
	2	Bodily motion
	3	Boilers
	4	Bags
	5	Barrels, kegs, drums
	6	Boxes, crates, cartons
	7	Rubber, glass, plastic
	8	Containers NEC
	9	Brattice curtain
	10	Floor, walking surface
	11	Steps
	12	Doors
	13	Storage tanks and bins
	14	Dams, locks, ponds, bridges, etc.
	15	Mine headframe
	16	Scaffolds, staging, etc.
	17	Towers, poles, etc.
	18	Wharfs, docks, etc.
	19	Buildings & structures, boats & rafts NEC
	20	Brick, ceramic
	21	Acids and alkalies

22	Oxygen deficient atmosphere
23	Noxious mine gases NEC
24	Chemicals and chemical compounds NEC
25	Mine rescue equipment
26	Apparel NEC, Ring
27	Ice
28	Snow
29	Cold NEC
30	Coal (processed)
31	Kiln products
32	Methane gas
33	Coal & petroleum products NEC
34	Chutes and slides
35	Belt conveyors
36	Longwall conveyor
37	Shaking and vibrating conveyor
38	Conveyors NEC
39	Motors
40	Generators
41	Transformers, converters
42	Conductors, electric cables and trolley poles
43	Electrical apparatus NEC
44	Explosives
45	Flame, fire, smoke NEC
46	Axe, hammer, sledge
47	Chisel
48	Crowbar, pry bar
49	Knife
50	Wrench
51	Hand tools not powered NEC
52	Abrasive stone or wheel grinder, buffer, polisher, waxer
53	Power saw
54	Drill, rotary
55	Drill, percussive
56	Impactor, tamper
57	Hand tools, powered NEC
58	Heat
59	Kilns, melting furnaces, & retorts
60	Space heaters

61	Other heating equipment, NEC
62	Cranes, derricks
63	Elevators, cages, skips, etc.
64	Air hoist
65	Chain hoist, chain blocks
66	Electric hoist
67	Longwall supports (chocks and blocks)
68	Jacks (not longwall)
69	Hoisting apparatus, NEC
70	Fixed ladders
71	Movable ladders
72	Ladders NEC
73	Liquids NEC
74	Machines NEC, welder, office machines
75	Milling, cleaning plant, & breaker machines
76	Surface mining machines
77	Underground mining machines
78	Belts (not conveyor)
79	Chains, ropes, cables (not conveyor)
80	Drums, pulleys, sheaves (not conveyor)
81	Mechanical power transmission apparatus NEC
82	Drill steel (all kinds)
83	Roof bolts
84	Steel rail (all sizes)
85	Molten metal
86	Metal covers and guards
87	Wheels
88	Metal NEC (pipe, wire, nails, manhole covers)
89	Broken rock, coal, ore, waste
90	Caving rock, coal, ore, waste
91	Landslide (surface only)
92	Pulverized mineral
93	Sand, gravel, shell
94	Loose dirt & mud
95	Mineral items NEC
96	Noise NEC
97	Plants, trees, vegetation
98	Pumps, fans, compressors, engines, turbines, NEC
99	Radioactive ore

	100	Radiating substances of equipment NEC
	101	Soaps, detergents, cleaning compounds, NEC
	102	Steam
	103	Passenger cars and pickup trucks
	104	Highway ore carriers, other large trucks, buses
	105	Forklifts, stackers, tractors, etc
	106	Underground narrow gauge rail cars, motors, etc.
	107	Surface narrow gauge rail cars, motors, etc.
	108	Mine jeep, kersey, jitney (rail & nonrail), S&S tractor
	109	Nonpowered vehicles (dollies, wheelbarrow, etc.)
	110	Vehicles NEC
	111	Cribbing
	112	Posts, caps, headers, timber
	113	Blocking
	114	Pallets
	115	Railroad ties
	116	Wood items NEC
	117	Ground
	118	Stairs, steps
	119	Street, road
	120	Working surfaces outside, NEC
	121	Back, mine roof, hanging wall
	122	Side or rib
	123	Mine floor, bottom, footwall
	124	Underground, NEC
	125	Cement products, concrete blocks, dry grout, etc.
	126	Water
	127	Miscellaneous, NEC
natinj	100	Amputation or enucleation
	110	Asphyxia, strangulation, drowning, etc.
	120	Burn or scald (heat)
	130	Burn, chemical
	140	Concussion -- brain, cerebral
	150	Disease, contagious or infectious
	160	Contusion, bruise
	170	Crushing
	180	Cut, laceration, puncture
	190	Dermatitis
	200	Dislocation

	210	Electric shock, electrocution
	220	Fracture, chip
	230	Freezing, frostbite
	240	Hearing loss or impairment
	250	Heat stroke, sunstroke, heat cramps, etc.
	260	Hernia, rupture
	270	Joint, tendon, or muscle inflammation or irritation
	280	Poisoning, systemic
	290	Other pneumoconiosis, NEC
	291	Asbestosis
	292	Anthracosis
	293	Black lung (coal workers' pneumoconiosis)
	294	Silicosis
	300	Other radiation effects, NEC
	301	Non-Contact electric arc burn
	302	Laser burn
	303	Lung cancer, ionizing radiation
	304	Sunburn
	310	Scratches, abrasions (superficial wounds)
	320	Dust in eyes
	330	Sprain, strains
	340	Heart attack
	350	Cerebral hemorrhage - NOT concussion
	360	Electrical burn
	370	Multiple injuries
	380	Occupational diseases, NEC
	390	Other injury, NEC
	400	Unclassified, not determined
partbody	100	Head, NEC
	110	Brain
	120	Ear(s)
	121	Ear(s) external
	122	Ear(s) internal (inc. hearing)
	130	Eye(s) (inc. optic nerve & vision)
	140	Face, NEC
	141	Jaw (inc. chin)
	142	Mouth
	143	Nose
	144	Face, multiple parts

	150	Scalp
	160	Skull
	170	Head, multiple
	200	Neck
	300	Upper extremities, NEC
	310	Arm, NEC
	311	Upper arm
	312	Elbow
	313	Forearm
	314	Arm, multiple
	320	Wrist
	330	Hand
	340	Finger(s)
	350	Upper extremities, multiple
	400	Trunk, NEC
	410	Abdomen
	420	Back
	430	Chest
	440	Hips
	450	Shoulder(s)
	460	Trunk, multiple
	500	Lower extremities, NEC
	510	Leg, NEC
	511	Thigh
	512	Knee
	513	Lower leg
	514	Leg, multiple
	520	Ankle
	530	Foot (not ankle or toes)
	540	Toe(s)
	550	Lower extremities, multiple
	600	Body systems
	700	Multiple parts
	800	Body parts, NEC
	900	Unclassified
deginj	0	No Injury
	1	Death, fatal
	2	Permanent disability, partial or total
	3	Days away from work only

	4	Days away AND restricted activity
	5	Days of restricted activity only
	6	Injuries w/o death, days away, or restrict. act.
	7	Occupational illness, (NOT 1-6)
	8	Employee natural caused fatal & nonfatal injury
	9	Non-employee fatal & nonfatal cases
	10	All other cases (inc. 1st aid)
permtort	1	Yes
	2	No
accocode	1	Death
	2	Serious injury
	3	Entrapment
	4	Inundation
	5	Gas or dust explosion
	6	Mine fire
	7	Explosives
	8	Roof fall
	9	Outburst
	10	Impounding dam
	11	Hoisting
	12	Offsite injury
narrcm	C	Coal
	M	Metal/Nonmetal/Stone/S&G
compcode	1	Completely entered
	2	Truncated because of size
	3	No narrative on injury report
injtype	1	Occupational fatality
	2	NFDL (Nonfatal, days lost)
	3	NDL (No days lost)
	4	Nonoccupational fatality
jobtitl2	1	Belt/conveyor man/crew
	2	Electrician/helper/wireman
	3	Hoistman/hoist engineer/helper
	4	Mechanic/repairman/helper
	5	Oiler/greaser
	6	Rock duster
	7	Shotfirer/shooter/blaster/helper
	8	Vent man/crew/stop blder/brattice man
	9	Supplier/warehouse man/supply driver

10	Timberman/propman/steel setr/steel worker
11	Pumper
13	Cleanup man
15	Cement/concrete man/mason
16	Laborer/utilityman/bull gang
20	Survey crew
21	Welder
22	Grizzlyman/chute puller/binman
23	Skip tinder/top loader/cager/station att
24	Trainee
25	Bobcat
26	Car dump/shake-out/roscoe/loaderhead opr
27	Jack-leg/stoper oper./Rock driller
28	Scoop car/tram/load haul dump operator
29	Mucking machine operator
30	Slusher operator
31	Battery charging station/fan attendant
33	Drill helper; Chuck tender
34	Drill operator (coal/wagon/diamond)
35	Continuous miner helper
36	Continuous miner operator
37	Cutting machine helper
38	Cutting machine operator
39	Hand loader
40	Headgate operator
41	Longwall jacksetter/snaker/helper
42	Loading machine helper
43	Loading machine/gathering arm loader opr
44	Longwall operator (tailgate side)
45	Rockman/hangup man/chute blaster
46	Roof bolter (single head)
47	Roof bolter helper (single head)
48	Roof bolter mounted (left side)
49	Supervisory/management/foreman/boss
50	Shuttle car/ram operator (standard side)
52	Tailgate operator
53	Track man/track gang/tamping mach. Oper
54	Brake man/rope rider/car dropper
57	Stope miner

58	Drift miner
59	Raise miner
62	Shopman/millwright/machinist/bit sharpnr
63	Miner NEC/Ug miner
65	Dispatcher
67	Shovel operator
68	Bulldozer/tractor operator
69	Motorman/swamper/snapper/switchman
75	Grader operator
76	Truck driver
82	Front-end-loader operator
83	Driver/jeep/pickup
87	Coal-m/nm sampler/technician/dust sampler
94	Waterline man,plumber,carpenter/painter
99	Unknown or NEC
101	Belt man/conveyor crew/vulcanizer
102	Electrician/helper/wireman
103	Hoistman/hoist engineer/helper
104	Mechanic/repairman/helper
105	Oiler/greaser
107	Shotfirer/blaster/shooter/helper
109	Supplyman/warehouseman/supply driver
113	Cleanup man
115	Cement man/mason/bricklayer
116	Laborer/utility man/bull gang
120	Survey crew
121	Welder/blacksmith
123	Skiptender/dumper/cager/station att.
124	Trainee
125	Bobcat operator
126	Car dump/rotary dump/shake-out opr/helpr
127	Jack-leg/stopper/rock driller
129	Water attendant
131	Battery station oper./fan attendant
133	Drill operator coal/wagon/diamond
134	Drill helper/chuck tender
144	Scalper/screen/sizing/tipple plant worker
145	Sizing/washing/cleaning plant opr/worker
149	Supervisory/management/foreman/boss

	150	Shuttle/ram car operator
	154	Brake man/rope rider/car dropper
	160	Clam shell operator
	162	Shopman/millwright/machinist/bit sharpnr
	163	Miner NEC/Surface miner
	165	Dispatcher
	166	Forklift
	167	Shovel oper. (Stripping/loading)
	168	Bulldozer/tractor oper.
	169	Motorman/swamper/snapper/switchman
	170	Auger operator
	171	Auger helper
	172	Barge att/boat oper/dredge oper.
	175	Grader/road roller operator
	176	Truck driver
	178	Dragline/crane/backhoe oper.
	179	Dryer/kiln oper/worker
	180	Fine coal plant operator
	182	Front-end loader/high lift operator
	183	Driver/jeep/pickup
	184	Highwall drill oper/helper
	185	Lampman/building repair/maint/janitor
	186	Rotary bucket excavator operator
	187	Coal-m/nm sampler/dust sampler/lab tech
	190	Silo/train load out operator
	191	Union official/safety rep.
	192	Engineer(elect/vent/mining)
	193	Weighman/scaleman/timekeeper/clerk
	194	Plumber/carpenter/painter
	195	Inspector/fire boss/preshifter
	196	Watchman/guard
	197	Yard engine engineer/fireman
	198	Stone finishing/sizing personnel
	199	Unknown or NEC
coalmetl	C	Coal
	M	Metal/Nonmetal/Stone/S&G
opercont	C	Contractor
	O	Operator
district	C01	Wilkes Barre (1)

	C02	New Stanton (2)
	C03	Morgantown (3)
	C04	Mt. Hope (4)
	C05	Norton (5)
	C06	Pikeville (6)
	C07	Barbourville (7)
	C08	Vincennes (8)
	C09	Denver (9)
	C10	Madisonville (10)
	C11	Birmingham (11)
	CNT	Contractor-no district
	MNC	North Central
	MNE	Northeastern
	MRM	Rocky Mountain
	MSC	South Central
	MSE	Southeastern
	MWE	Western
commod	1	Coal operator
	2	Metal operator
	3	Nonmetal operator
	4	Stone operator
	5	Sand & gravel operator
	6	Coal contractor
	7	Noncoal contractor