

2009 West Virginia Office of Miners' Health Safety and Training

INJURY DATA

INJURIES BY TYPE OF MINING OPERATION

<u>OPERATION TYPE</u>	<u>LOST TIME</u>	<u>NO LOST TIME</u>	<u>TOTAL</u>	<u>DAYS LOST</u>
UNDERGROUND	633	234	867	8,979
SURFACE	110	59	169	1,331
QUARRY	14	7	21	320
PREPARATION FACILITIES	51	31	82	812
INDEPENDENT CONTRACTOR	1	0	1	6
TOTAL	809	331	1,140	11,448

LOST TIME INJURIES BY MINE SIZE

Coal Mines Only

<u>MINE SIZE</u>	<u>UNDERGROUND</u>	<u>SURFACE</u>	<u>TOTAL</u>
LESS THAN 11 EMP.	17	9	26
11 TO 20 EMPLOYEES	18	1	19
21 TO 50 EMPLOYEES	125	20	145
51 TO 150 EMPLOYEES	174	43	217
151 TO 250 EMPLOYEES	128	25	153
GREATER THAN 250 EMP.	171	12	183
TOTAL	633	110	743

CONTRACTOR LOST TIME INJURIES BY OPERATION TYPE

UNDERGROUND 59
SURFACE 41
PREPARATION FACILITY 21
QUARRY 3

These Contractor injuries are included in the tables shown above.

Note: Injury totals shown on the tables in this report reflect only those injuries reported to the WV Office of Miners' Health, Safety and Training. Reporting requirements of other agencies are substantially different. Contractor injuries are included within the mine-type classifications unless otherwise indicated.

Injuries by Mining Method

<u>Method</u>	<u>Number of Injuries</u>
Longwall	70
Continuous	118
Continuous w/remote	235
Extended Cut	3
Retreat Mining	2
Open Pit	1
Auger	2
Contour	18
Mountain Top Mining	60
Highwall Mining	4
Contour and Auger	22
Not Classified	209

LOST TIME INJURIES INVOLVING MACHINERY

MACHINE CLASSIFICATION	UNDERGROUND	SURFACE	TIPPLE	CONTRACTOR	TOTAL
AUGER MACHINE					0
BULLDOZER	2	23	2		27
CHUTES					0
COAL TRUCKS	3	31	1		35
CONTINUOUS MINER (HIGHWAI	29				29
CONVEYOR	18		1		19
CRANE, DERRICK					0
FRONT-END LOADER - FORKLII	3	3	1		7
GRIZZLIE					1
GUNITE MACHINE					1
HAND TOOLS (POWERED)	5	3	2		10
HAND TOOLS (UNPOWERED)	38	4	5		47
HOIST	2			1	3
LOCOMOTIVE	5				5
LONGWALL	3				3
MANCAR, MANTRIP	24	2			26
PUMP	4	1			5
RAIL CAR					0
ROCK DRILL	1	1			2
ROCK DUSTER	3				3
ROOF BOLTER	74				74
SCOOP	32				32
SHOVEL - DRAGLINE					0
SHUTTLE CAR	32				32
WELDING MACHINE	2		1		3
NOT CLASSIFIED	47	20	5		72

LOST TIME INJURIES BY BODY PART INJURED

	<u>UNDERGROUND</u>	<u>SURFACE</u>	<u>TIPPLE</u>	<u>CONTRACTOR</u>	<u>TOTAL</u>
HEAD	12	3	1		16
EAR	2				2
EYES	10	1	2		13
FACE	10		2	1	13
JAW	3		1		4
NOSE	1				1
NECK	19	1			20
ARM/ELBOW	24	2	1		27
WRIST	11	1	3		15
HAND	37	8	1		46
FINGER	67	11	7		85
TRUNK	7		2		9
ABDOMEN	23	1	1		25
BACK	111	30	9		150
CHEST	2				2
HIPS	5	1			6
SHOULDER	37	6	5		48
LEG	39	5	2		46
THIGH	4		1		5
KNEE	67	9	5		81
ANKLE	29	8			37
FOOT	32	4	2		38
TOES	2				2
MULTIPLE PARTS	79	19	6		104
UNCLASSIFIED					0
TOTAL	633	110	51	1	795

DAYS LOST AND JOB EXPERIENCE - 2009

	UNDERGROUND	SURFACE	COAL PREPARATION	CONTRACTORS	QUARRIES	TOTAL
DAYS AWAY	8,982	1,331	812	6	320	11,451
AVG. DAYS LOST PER INJURY	10	8	10	6	15	10.0
AVG. AGE OF INJURED	39	38	39	56	40	39.0
AVG. YEARS AT JOB	5	9	6	31	4	6.0
AVG. YEARS AT MINE	4	3	3	20	6	4.0
AVG. TOTAL MNING EXP.	12	10	10	31	10	12.0

INJURIES BY SEVERITY

	UNDERGROUND	SURFACE	COAL PREPERATION	CONTRACTORS	TOTAL
DEATH	1	2*		2*	3
DAYS AWAY FROM WORK ONLY	111	30	5	1	147
DAYS AWAY/RESTRICTED ACTIV.	521	80	46		647
DAYS OF RESTRICTED ACTIV.	0				0
NO DEATH, DAYS AWAY, OR RESTRIC. ACT.	1				1

*Two contractor fatal accidents at surface mine operations.

Injuries by Mining Experience 2009

Experience	Underground	Surface	Prep. Facilities	Contractors	Total
Less than 1 year	343	53	27	0	423
1 to 3 Years	239	37	23	0	299
3.1 to 5 Years	79	24	10	0	113
5.1 to 10 Years	74	29	8	0	111
10.1 to 15 Years	14	4	3	0	21
15.1 to 20 Years	9	0	2	1	12
20.1 to 25 Years	5	3	1	0	9
25.1 to 30 Years	17	1	0	0	18
Greater than 30	18	0	0	0	18
Unclassified	69	18	8	0	95

**Lost Time Injuries to Contractors
by Operation Type Where Injury Occurred**

Underground	59
Surface	41
Quarry	3
Coal Processing	21
Contractor	1
Total	125

These injuries are reported under the operation types in the other tables in this report.

LOST TIME INJURIES BY ACTIVITY

	UNDERGROUND	SURFACE	TIPPLE	CONTRACTOR	TOTAL
REACHING, LIFTING, PUSHING, BENDING					
PULLING	149	19	13		181
STUMBLING, TRIPPING, FALLING, SLIPPII	131	44	19		194
SQUEEZED BY EQUIPMENT	12		1		13
COLLISION OF EQUIPMENT	4				4
MACHINERY	63	16	2		81
HANDLING MATERIALS	5	1			6
STRUCK BY FALLING OR FLYING OBJEC	88	9	5	1	103
STRIKING AN OBJECT	8	4	1		13
FALL OF ROOF	22				22
FALL OF FACE OR RIB	77				77
FALL OF HIGHWALL OR SPOIL					0
WORKING WITH HAND TOOLS	26	7	4		37
BURNS AND SMOKE INHALATION	9		1		10
FOREIGN OBJECT IN EYE OR					
OTHER PART OF BODY	10	1	1		12
ELECTRICAL SHOCK					0
HORSEPLAY					0
IGNITION OR EXPLOSION	1				1
MISCELLANEOUS	26	7	4		37
JARRED OR SHOOK	2	2			4
TOTAL	633	110	51	1	795

LOST TIME INJURIES BY OCCUPATION

	UNDERGROUND	SURFACE	TIPPLE	CONTRACTOR	TOTAL
SUPERVISORS	41	3	1		45
MINING MACHINERY OPERATORS	48	1			49
BOLTER OPERATORS	110				110
FACE OPERATIONS	77	5			82
MAINTENANCE	70	24	8	1	103
GENERAL LABOR	152	3	5		160
OUTBY EQUIPMENT OPERATORS	12				12
SURFACE EMPLOYEES	5	35	2		42
PREPARATION PLANT EMPLOYEES					0
ALL OTHER CLASSIFICATIONS	118	39	35		192
TOTAL	633	110	51	1	795

UNDERGROUND INJURIES
BY SEAM SIZE

THICKNESS OF SEAM	LOST TIME INJURIES	PERCENTAGE OF INJURIES	NUMBER OF MINES	PERCENTAGE OF MINES
LESS THAN 36 INCHES	58	9.16%	52	16.67%
37 TO 49 INCHES	158	24.96%	99	31.73%
50 TO 71 INCHES	211	33.33%	75	24.04%
72 INCHES AND GREATER	206	32.54%	86	27.56%
TOTAL	633	100	312	100

LOST TIME INJURIES by SHIFT

SHIFT	UNDERGROUND INJURIES	SURFACE INJURIES	TIPPLE INJURIES	CONTRACTOR INJURIES	TOTAL INJURIES
12 AM TO 7:59 AM	214	75	32		321
8 AM TO 3:59 PM	199	8	9		216
4 PM TO 11:59 PM	218	24	8	1	251
UNCLASSIFIED	2	3	2		7
TOTAL	633	110	51	1	795

REPORTED ACCIDENTS NOT INVOLVING INJURY

<u>TYPE OF INCIDENT</u>	<u>NUMBER OF INCIDENTS</u>
INUNDATION	7
GAS OR DUST IGNITION	11
MINE FIRE	13
ROOF FALL	326
ENTRAPMENT	5
HOISTING	38
TOTAL	400