

# Mine Injury and Worktime, Quarterly

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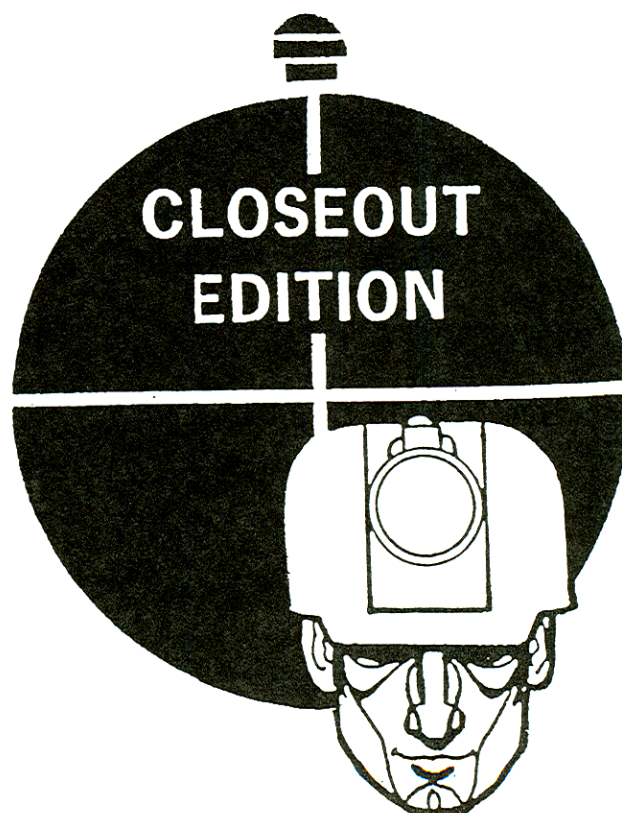


U.S. Department of Labor  
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Mine Safety and Health Administration  
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Program Evaluation and Information Resources  
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This publication has been reviewed and approved for distribution to the mining public by the Office of the Assistant Secretary for Mine Safety and Health.

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## LIMITATIONS AND SCOPE OF DATA

In order to maintain consistency with prior years, fatalities occurring to independent contractor employees are included in chart 1. However, beginning in 1983, tabular data on independent contractors are depicted separately from operator data. Independent contractors have been exempted from reporting employment and injury information relating to “low hazard” activities performed at mining operations. Mandatory information now is limited to their activities which involve: mine development; construction, reconstruction or demolition of mine facilities; construction of dams; excavation or earth moving; equipment installation, service or repair; material handling; drilling or 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.

All data presented in this publication are final. The data are compiled from independent contractor reports and reports by operators of mines for personnel directly engaged in production, cleaning, milling, shipping, development, and maintenance and repair work, including direct supervisory and technical personnel and contract mining services. Reports are submitted as required under the Federal Mine Safety and Health Act of 1977, Public Law 91-173 as amended by Public Law 95-164.

## DEFINITIONS AND NOTES

The term “injury,” as used in this publication, includes all reportable occupational injuries and those illnesses which result from a work accident or from exposure involving a single incident in the work environment. A reportable “injury” is an injury to an individual, occurring at a mining operation, that requires medical treatment or results in death or loss of consciousness or inability to perform all job duties on any workday after the injury or temporary assignment to other duties or transfer to another job. The injury occurrences are classified according to severity as follows:

1. FATAL: Occurrences resulting in death.
2. NFDL: Nonfatal occurrences with Days Lost (lost workdays). That is, nonfatal injury occurrences that result in days away from work or days of restricted work activity.
3. NDL: Occurrences with No Days Lost. That is, nonfatal injury occurrences resulting only in loss of consciousness or medical treatment other than first aid.

Incidence rates represent the number of injuries that occurred for each 200,000 employee-hours worked, computed as follows:

$$IR = \frac{\text{Number of injury occurrences}}{\text{Number of employee hours}} \times 200,000$$

In the event that the computation of an incidence rate results in a number less than 0.005, then an asterisk (\*) will be shown instead of a number in the tabular location; if the incidence rate is 999.99 or more, then the rate will be shown as 999.99.

“Average number of workers” is a summary of the average number of persons working at individual mining establishments during periods (not necessarily continuous) of active operations.

“Production reported” is the short tons of clean coal reported to MSHA as being produced at active coal mines. The quantities reported by operators and independent contractors are not verified or questioned by MSHA except in cases of extreme deviation from expectations. The numbers are to be used only in computation of various rates and size-group classification, not as a highly accurate measure of coal produced in the United States.

Chart 1. Number of Fatal Injuries in the U.S. Mining Industries,  
2008, 2009 and 2010

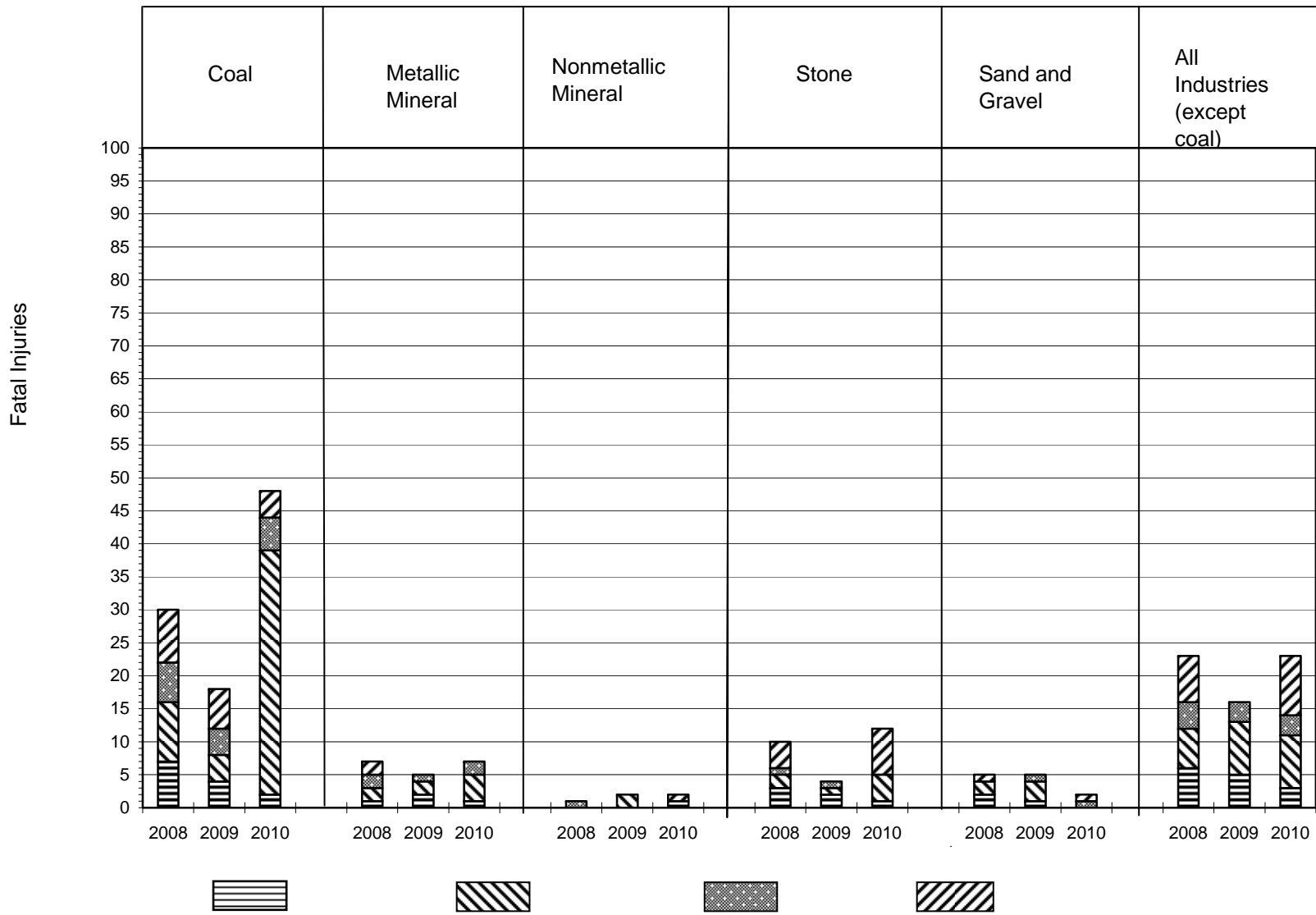


TABLE 1. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS, AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION

JANUARY - DECEMBER, 2010

TYPE OF COAL AND WORK LOCATION	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE	NDL	NDL INCIDENCE RATE	ALL OCCURENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)
<b>BITUMINOUS COAL:</b>											
<b>UNDERGROUND MINES:</b>											
UNDERGROUND-----	40	.08	1,814	3.83	889	1.88	2,743	5.79	41,393	94,693,480	337,209,870
SURFACE-----	1	.03	89	2.89	67	2.18	157	5.10	2,852	6,155,480	-
TOTAL, UNDERGROUND MINES--	41	.08	1,903	3.77	956	1.90	2,900	5.75	44,245	100,848,960	337,209,870
<b>SURFACE MINES:</b>											
STRIP MINES-----	3	.01	385	1.14	177	.52	565	1.67	30,519	67,645,015	738,870,747
AUGER MINES-----	-	-	14	2.63	5	.94	19	3.57	793	1,064,152	5,725,000
OTHER SURFACE MINES-----	-	-	4	1.52	1	.38	5	1.89	315	528,038	2,436,736
TOTAL, SURFACE MINES-----	3	.01	403	1.16	183	.53	589	1.70	31,627	69,237,205	747,032,483
TOTAL, PRODUCTION MINING--	44	.05	2,306	2.71	1,139	1.34	3,489	4.10	75,872	170,086,165	1,084,242,353
PREPARATION PLANTS-----	-	-	127	1.38	82	.89	209	2.27	7,965	18,431,250	-
INDEPENDENT SHOPS/YARDS-----	-	-	9	1.70	2	.38	11	2.08	437	1,059,113	-
TOTAL, OTHER OPERATIONS---	-	-	136	1.40	84	.86	220	2.26	8,402	19,490,363	-
TOTAL, BITUMINOUS MINING--	44	.05	2,442	2.58	1,223	1.29	3,709	3.91	84,274	189,576,528	1,084,242,353
<b>PENNSYLVANIA ANTHRACITE COAL:</b>											
<b>UNDERGROUND MINES:</b>											
UNDERGROUND-----	-	-	4	7.64	-	-	4	7.64	67	104,778	138,654
SURFACE-----	-	-	1	9.29	-	-	1	9.29	16	21,519	-
TOTAL, UNDERGROUND MINES--	-	-	5	7.92	-	-	5	7.92	83	126,297	138,654
<b>SURFACE MINES:</b>											
STRIP MINES-----	-	-	15	3.77	2	.50	17	4.27	464	796,810	1,599,753
CULM BANK-----	-	-	2	1.38	-	-	2	1.38	162	288,811	70,960
DREDGE-----	-	-	-	-	-	-	-	-	-	-	-
TOTAL, SURFACE MINES-----	-	-	17	3.13	2	.37	19	3.50	626	1,085,621	1,670,713
TOTAL, PRODUCTION MINING--	-	-	22	3.63	2	.33	24	3.96	709	1,211,918	1,809,367
PREPARATION PLANTS-----	-	-	24	6.55	9	2.45	33	9.00	355	733,299	-
INDEPENDENT SHOPS/YARDS-----	-	-	-	-	-	-	-	-	-	-	-
TOTAL, OTHER OPERATIONS---	-	-	24	6.55	9	2.45	33	9.00	355	733,299	-
TOTAL, ANTHRACITE MINING--	-	-	46	4.73	11	1.13	57	5.86	1,064	1,945,217	1,809,367
<b>ALL COAL:</b>											
<b>UNDERGROUND MINES:</b>											
UNDERGROUND-----	40	.08	1,818	3.84	889	1.88	2,747	5.80	41,460	94,798,258	337,348,524
SURFACE-----	1	.03	90	2.91	67	2.17	158	5.12	2,868	6,176,999	-
TOTAL, UNDERGROUND MINES--	41	.08	1,908	3.78	956	1.89	2,905	5.75	44,328	100,975,257	337,348,524
<b>SURFACE MINES:</b>											
STRIP MINES-----	3	.01	400	1.17	179	.52	582	1.70	30,983	68,441,825	740,470,500
AUGER MINES-----	-	-	14	2.63	5	.94	19	3.57	793	1,064,152	5,725,000
CULM BANK-----	-	-	3	.77	-	-	3	.77	454	776,542	1,759,361
DREDGE-----	-	-	3	14.89	1	4.96	4	19.85	23	40,307	748,335
TOTAL, SURFACE MINES-----	3	.01	420	1.19	185	.53	608	1.73	32,253	70,322,826	748,703,196
TOTAL, PRODUCTION MINING--	44	.05	2,328	2.72	1,141	1.33	3,513	4.10	76,581	171,298,083	1,086,051,720
PREPARATION PLANTS-----	-	-	151	1.58	91	.95	242	2.53	8,320	19,164,549	-
INDEPENDENT SHOPS/YARDS-----	-	-	9	1.70	2	.38	11	2.08	437	1,059,113	-
TOTAL, OTHER OPERATIONS---	-	-	160	1.58	93	.92	253	2.50	8,757	20,223,662	-
TOTAL, ALL COAL-----	44	.05	2,488	2.60	1,234	1.29	3,766	3.93	85,338	191,521,745	1,086,051,720
<b>OFFICEWORKERS:</b>											
BITUMINOUS-----	-	-	2	.05	1	.03	3	.08	3,739	7,448,488	-
ANTHRACITE-----	-	-	-	-	-	-	-	-	132	196,234	-
TOTAL, OFFICEWORKERS-----	-	-	2	.05	1	.03	3	.08	3,871	7,644,722	-
GRAND TOTAL-----	44	.04	2,490	2.50	1,235	1.24	3,769	3.78	89,209	199,166,467	1,086,051,720

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TABLE 2. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010

WORK LOCATION AND MINERAL INDUSTRY	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE	NDL	NDL INCIDENCE RATE	ALL OCCURENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
<b>UNDERGROUND MINES:</b>										
METAL-----	3	.05	194	3.09	100	1.59	297	4.74	6,113	12,541,817
NONMETAL-----	-	-	101	3.23	34	1.09	135	4.31	2,994	6,259,577
STONE-----	1	.05	57	2.57	21	.95	79	3.57	2,167	4,428,655
TOTAL, UNDERGROUND MINES--	4	.03	352	3.03	155	1.33	511	4.40	11,274	23,230,049
<b>SURFACE MINES:</b>										
METAL-----	1	.01	178	1.29	87	.63	266	1.93	12,984	27,562,886
NONMETAL-----	-	-	51	1.37	21	.56	72	1.93	3,960	7,463,526
STONE-----	5	.02	466	1.91	208	.85	679	2.79	27,698	48,703,030
SUBTOTAL, SURFACE MINES--	6	.01	695	1.66	316	.75	1,017	2.43	44,642	83,729,442
SAND AND GRAVEL-----	1	(*)	412	1.79	202	.88	615	2.67	29,545	46,096,692
TOTAL, SURFACE MINES-----	7	.01	1,107	1.71	518	.80	1,632	2.51	74,187	129,826,134
TOTAL, MINES-----	11	.01	1,459	1.91	673	.88	2,143	2.80	85,461	153,056,183
<b>MILLS:</b>										
METAL-----	-	-	228	1.79	142	1.12	370	2.91	12,054	25,425,509
NONMETAL-----	-	-	182	1.68	116	1.07	298	2.75	10,351	21,699,377
STONE-----	2	.01	646	2.40	303	1.12	951	3.53	27,167	53,881,561
TOTAL, MILLS-----	2	(*)	1,056	2.09	561	1.11	1,619	3.21	49,572	101,006,447
<b>INDEPENDENT SHOPS AND YARDS:</b>										
METAL-----	-	-	4	1.40	3	1.05	7	2.46	278	569,479
NONMETAL-----	-	-	-	-	-	-	-	-	-	-
STONE-----	-	-	2	.96	-	-	2	.96	224	416,542
TOTAL, SHOPS AND YARDS---	-	-	6	1.22	3	.61	9	1.83	502	986,021
<b>ALL MINES, MILLS AND SHOPS:</b>										
METAL-----	4	.01	604	1.83	332	1.00	940	2.84	31,429	66,099,691
NONMETAL-----	-	-	334	1.89	171	.97	505	2.85	17,305	35,422,480
STONE-----	8	.01	1,171	2.18	532	.99	1,711	3.19	57,256	107,429,788
SUBTOTAL-----	12	.01	2,109	2.02	1,035	.99	3,156	3.02	105,990	208,951,959
SAND AND GRAVEL-----	1	(*)	412	1.79	202	.88	615	2.67	29,545	46,096,692
TOTAL, MINES/MILLS/SHOPS--	13	.01	2,521	1.98	1,237	.97	3,771	2.96	135,535	255,048,651
<b>OFFICEWORKERS:</b>										
METAL-----	-	-	2	.05	5	.11	7	.16	4,474	8,748,602
NONMETAL-----	-	-	2	.06	1	.03	3	.10	3,333	6,184,728
STONE-----	-	-	7	.08	-	-	7	.08	10,356	18,612,956
SAND AND GRAVEL-----	-	-	4	.11	-	-	4	.11	6,448	7,412,287
TOTAL, OFFICEWORKERS-----	-	-	15	.07	6	.03	21	.10	24,611	40,958,573
<b>SUMMARY TOTAL (INCLUDES OFFICEWORKERS):</b>										
METAL-----	4	.01	606	1.62	337	.90	947	2.53	35,903	74,848,293
NONMETAL-----	-	-	336	1.62	172	.83	508	2.44	20,638	41,607,208
STONE-----	8	.01	1,178	1.87	532	.84	1,718	2.73	67,612	126,042,744
SUBTOTAL-----	12	.01	2,120	1.75	1,041	.86	3,173	2.62	124,153	242,498,245
SAND AND GRAVEL-----	1	(*)	416	1.55	202	.76	619	2.31	35,993	53,508,979
GRAND TOTAL-----	13	.01	2,536	1.71	1,243	.84	3,792	2.56	160,146	296,007,224

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TABLE 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
ALABAMA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	18	31,354			
NONMETAL-----	-	-	-	-	-	-	1	-	59	103,308	-	4	174	380,661			
STONE-----	-	-	-	6	11,011	-	11	4	698	1,548,480	-	48	18	1,457	3,141,806		
SAND AND GRAVEL--	-	-	-	-	-	-	5	1	423	849,495	-	-	-	-	-	-	
TOTAL-----	-	-	-	6	11,011	-	17	5	1,180	2,501,283	-	49	22	1,649	3,553,821		
COAL-----	-	144	66	2,520	5,831,838	12,513,392	2	25	5	1,299	3,161,478	8,182,128	-	7	4	406	1,009,794
ALASKA																	
METAL-----	-	17	7	564	1,355,967	-	-	6	592	1,443,513	-	8	8	377	1,034,087		
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	4	1	135	115,510	-	-	-	3	753		
SAND AND GRAVEL--	-	-	-	-	-	-	-	1	374	297,878	-	-	-	-	-	-	
TOTAL-----	-	17	7	564	1,355,967	-	11	8	1,101	1,856,901	-	8	8	380	1,034,840		
COAL-----	-	-	-	-	-	-	-	5	-	106	263,021	2,151,094	-	-	-	6	15,022
ARIZONA																	
METAL-----	-	4	7	174	350,369	-	1	71	14	3,617	7,454,655	-	56	20	3,045	6,401,214	
NONMETAL-----	-	-	-	-	-	-	-	1	-	89	108,349	-	-	-	11	19,613	
STONE-----	-	-	-	-	-	-	-	12	5	487	764,601	-	-	1	258	450,817	
SAND AND GRAVEL--	-	-	-	-	-	-	-	14	6	1,287	1,881,498	-	-	-	-	-	
TOTAL-----	-	4	7	174	350,369	-	1	98	25	5,480	10,209,103	-	63	21	3,314	6,871,644	
COAL-----	-	-	-	-	-	-	-	1	1	331	778,928	7,752,277	-	-	-	79	184,384
ARKANSAS																	
METAL-----	-	-	-	-	-	-	-	-	-	19	44,105	-	1	5	431	692,330	
NONMETAL-----	-	-	-	-	-	-	-	-	1	61	71,918	-	-	-	9	15,842	
STONE-----	-	2	-	18	43,454	-	-	11	6	853	1,529,482	-	7	10	528	1,107,120	
SAND AND GRAVEL--	-	-	-	-	-	-	-	13	3	474	933,127	-	-	-	-	-	
TOTAL-----	-	2	-	18	43,454	-	-	24	10	1,407	2,578,632	-	8	15	968	1,815,292	
COAL-----	-	1	-	23	50,217	31,144	-	-	-	2	1,964	1,157	-	-	-	5	6,697
CALIFORNIA																	
METAL-----	1	1	-	40	36,664	-	-	7	2	289	605,530	-	1	3	202	413,645	
NONMETAL-----	-	-	-	13	6,258	-	-	5	-	321	564,687	-	13	10	701	1,237,409	
STONE-----	-	-	-	-	-	-	-	19	8	930	1,594,584	-	1	8	1,252	2,429,105	
SAND AND GRAVEL--	-	-	-	-	-	-	-	63	20	2,577	4,467,295	-	-	-	-	-	
TOTAL-----	1	1	-	53	42,922	-	-	94	30	4,117	7,232,096	-	1	21	2,155	4,080,159	
COAL-----																	

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TABLE 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION ON BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
HAWAII																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	5	-	206	376,290	-	-	-	69	125,062	-	
TOTAL-----	-	-	-	-	-	-	5	-	286	437,857	-	-	-	69	125,062	-	
COAL-----																	
IDAHO																	
METAL-----	-	38	15	425	818,180	-	5	1	231	456,467	-	-	-	200	386,099	-	
NONMETAL-----	-	-	-	-	-	-	2	3	278	581,309	-	-	-	105	163,303	-	
STONE-----	-	-	-	-	-	-	-	2	242	302,497	-	-	-	46	83,787	-	
SAND AND GRAVEL--	-	-	-	-	-	-	7	2	597	683,845	-	-	-	-	-	-	
TOTAL-----	-	38	15	425	818,180	-	14	8	1,348	2,024,118	-	-	-	351	633,189	-	
COAL-----																	
ILLINOIS																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	18	32,685	-	
NONMETAL-----	-	-	-	-	-	-	-	-	14	22,922	-	-	-	90	194,515	-	
STONE-----	-	8	2	216	430,050	-	15	8	733	1,400,388	-	-	-	1,074	2,222,164	-	
SAND AND GRAVEL--	-	-	-	-	-	-	8	4	461	811,855	-	-	-	-	-	-	
TOTAL-----	-	8	2	216	430,050	-	23	12	1,208	2,235,165	-	-	-	1,182	2,449,364	-	
COAL-----	1	149	57	2,776	5,904,610	28,286,164	-	1	3	398	926,843	5,095,914	-	14	4	384	807,242
INDIANA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	1	40	84,029	-	-	-	21	25,541	-	-	-	43	97,202	-	
STONE-----	-	4	1	111	214,868	-	-	18	605	1,119,527	-	-	-	1,139	2,349,029	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	13	550	1,018,227	-	-	-	-	-	-	
TOTAL-----	-	4	2	151	298,897	-	-	31	1,176	2,163,295	-	-	-	1,182	2,446,231	-	
COAL-----	-	63	36	1,480	3,619,215	14,286,655	-	33	1,428	3,449,939	21,412,860	-	-	2	4	450	1,127,415
IOWA																	
METAL-----	-	-	-	-	-	-	-	1	17	17,613	-	-	-	-	-	-	
NONMETAL-----	-	6	-	89	169,640	-	-	-	69	69,532	-	-	-	61	117,298	-	
STONE-----	-	2	5	194	449,241	-	-	13	971	1,630,973	-	-	-	442	888,373	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	3	546	757,658	-	-	-	-	-	-	
TOTAL-----	-	8	5	283	618,881	-	-	17	1,603	2,475,776	-	-	-	503	1,005,671	-	
COAL-----																	

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TABLE 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION ON BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
KANSAS																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	12	1	103	217,591	-	-	-	20	26,985	-	-	1	2	100	194,067	
STONE-----	-	-	-	27	51,241	2	-	4	676	1,158,552	-	-	6	7	369	677,161	
SAND AND GRAVEL--	-	-	-	-	-	-	6	3	315	486,088	-	-	-	-	-	-	
TOTAL-----	-	12	1	130	268,832	2	14	7	1,011	1,671,625	-	-	7	9	469	871,228	
COAL-----	-	-	-	-	-	-	-	-	36	95,341	132,691	-	-	-	-	-	
KENTUCKY																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	4	1,872	-	1	-	36	45,266	-	-	-	-	37	65,507	
STONE-----	-	8	4	517	984,259	-	9	3	598	1,184,237	-	-	13	3	961	1,985,113	
SAND AND GRAVEL--	-	-	-	-	-	-	6	3	142	224,923	-	-	-	-	-	-	
TOTAL-----	-	8	4	521	986,131	-	16	6	776	1,454,426	-	-	13	3	998	2,050,620	
COAL-----	6	452	332	10,313	23,822,515	63,804,063	1	125	26	5,657	11,991,904	40,982,431	-	31	26	1,929	4,665,485
LOUISIANA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	11	5	333	882,037
NONMETAL-----	-	8	5	376	842,082	-	-	-	7	3,747	-	-	6	3	294	604,975	
STONE-----	-	-	-	-	-	-	-	-	13	26,620	-	-	-	-	11	16,035	
SAND AND GRAVEL--	-	-	-	-	-	-	7	3	596	1,193,637	-	-	-	-	-	-	
TOTAL-----	-	8	5	376	842,082	-	7	3	616	1,224,004	-	-	17	8	638	1,503,047	
COAL-----	-	-	-	-	-	-	1	1	256	540,867	3,954,132	-	-	-	1	786	
MAINE																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	2	3,293	-	-	-	3	1,373	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	-	3	163	225,427	-	-	2	2	84	154,940	
SAND AND GRAVEL--	-	-	-	-	-	-	3	1	403	496,106	-	-	-	-	-	-	
TOTAL-----	-	-	-	2	3,293	-	3	4	569	722,906	-	-	2	2	84	154,940	
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MARYLAND																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	2	176	-	-	-	-	-	-	
STONE-----	-	-	-	6	11,284	-	1	6	258	502,924	-	-	14	9	447	1,002,024	
SAND AND GRAVEL--	-	-	-	-	-	-	10	1	223	427,662	-	-	-	-	-	-	
TOTAL-----	-	-	-	6	11,284	-	1	16	483	930,762	-	-	14	9	447	1,002,024	
COAL-----	-	2	1	106	203,923	591,773	-	2	278	593,916	1,882,780	-	2	4	53	126,001	

TABLE 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION ON BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
MASSACHUSETTS																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	1	13	19,929	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	-	3	361	551,241	-	-	-	-	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	1	298	390,046	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	-	5	672	961,216	-	-	-	-	-	-	
COAL-----	-	-	-	-	-	-	-	12			-	-	-	-	-	-	
MI CHIGAN																	
METAL-----	-	-	-	-	-	-	-	10	617	1,333,992	-	-	-	-	-	-	
NONMETAL-----	-	-	1	33	96,207	-	-	-	23	34,095	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	-	3	273	529,477	-	-	-	-	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	4	1,193	1,473,798	-	-	-	-	-	-	
TOTAL-----	-	-	1	33	96,207	-	-	12	2,106	3,371,362	-	-	-	-	-	-	
COAL-----	-	-	-	-	-	-	-	23			-	-	-	-	-	-	
MI NNESOTA																	
METAL-----	-	-	-	-	-	-	-	11	1,764	3,657,199	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	4	4,770	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	-	5	347	536,795	-	-	-	-	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	6	1,172	1,281,067	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	-	22	3,287	5,479,831	-	-	-	-	-	-	
COAL-----	-	-	-	-	-	-	-	20			-	-	-	-	-	-	
MI SSI SSI PPI																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	11	19,045	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	-	-	9	15,469	-	-	-	-	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	2	502	866,789	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	-	8	522	901,303	-	-	-	-	-	-	
COAL-----	-	-	-	-	-	-	-	-	225	470,041	4,003,505	-	-	-	-	-	
MI SSOURI																	
METAL-----	-	12	10	539	1,134,846	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	63	85,017	-	-	-	-	-	-	
STONE-----	-	6	3	303	621,788	-	-	7	1,314	2,371,965	-	-	-	-	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	7	436	726,412	-	-	-	-	-	-	
TOTAL-----	-	18	13	842	1,756,634	-	-	14	1,813	3,183,394	-	-	-	-	-	-	
COAL-----	-	-	-	-	-	-	-	-	23	64,436	458,477	-	-	-	-	-	

TABLE 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
MONTANA																	
METAL-----	-	42	22	1,155	2,252,384	-	1	1	353	690,894	-	-	-	364	695,692		
NONMETAL-----	-	-	-	2	280	-	-	-	43	71,772	-	-	-	131	260,297		
STONE-----	-	-	-	-	-	-	4	2	203	264,282	-	-	-	127	242,104		
SAND AND GRAVEL--	-	-	-	-	-	-	2	3	559	465,929	-	-	-	-	-		
TOTAL-----	-	42	22	1,157	2,252,664	-	7	6	1,158	1,492,877	-	-	-	622	1,198,093		
COAL-----	1	10	6	173	421,410	4,388,852	-	12	4	868	1,777,415	40,343,313	-	-	-	93	261,382
NEBRASKA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	4	1,499	-	-	-	-	-		
STONE-----	-	4	-	81	203,244	-	-	2	79	148,253	-	-	-	166	349,370		
SAND AND GRAVEL--	-	-	-	-	-	-	8	6	542	880,644	-	-	-	-	-		
TOTAL-----	-	4	-	81	203,244	-	8	8	625	1,030,396	-	-	-	166	349,370		
COAL-----																	
NEVADA																	
METAL-----	2	44	29	2,136	4,376,686	-	42	36	3,873	8,489,082	-	-	-	2,206	4,610,945		
NONMETAL-----	-	-	-	-	-	-	1	1	154	284,008	-	-	-	473	942,614		
STONE-----	-	-	-	-	-	-	3	-	139	240,169	-	-	-	203	421,598		
SAND AND GRAVEL--	-	-	-	-	-	-	5	2	535	718,277	-	-	-	-	-		
TOTAL-----	2	44	29	2,136	4,376,686	-	51	39	4,701	9,731,536	-	-	-	2,882	5,975,157		
COAL-----																	
NEW HAMPSHIRE																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
STONE-----	-	-	-	-	-	-	2	1	165	268,944	-	-	-	34	67,235		
SAND AND GRAVEL--	-	-	-	-	-	-	3	-	313	405,530	-	-	-	-	-		
TOTAL-----	-	-	-	-	-	-	5	1	478	674,474	-	-	-	34	67,235		
COAL-----																	
NEW JERSEY																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
STONE-----	-	-	-	-	-	-	13	9	275	636,105	-	-	-	36	67,974		
SAND AND GRAVEL--	-	-	-	-	-	-	16	7	413	811,072	-	-	-	187	389,655		
TOTAL-----	-	-	-	-	-	-	29	16	688	1,447,177	-	-	-	223	457,629		
COAL-----																	

TABLE 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
NEW MEXICO																	
METAL-----	-	4	3	151	290,405	-	13	5	361	749,466	-	8	3	248	501,130		
NONMETAL-----	-	26	13	706	1,499,658	-	2	1	105	167,473	-	9	6	406	862,735		
STONE-----	-	-	-	-	-	-	4	2	264	389,583	-	-	-	73	133,228		
SAND AND GRAVEL--	-	-	-	-	-	-	6	2	526	747,844	-	-	-	-	-		
TOTAL-----	-	30	16	857	1,790,063	-	25	10	1,256	2,054,366	-	17	9	727	1,497,093		
COAL-----	-	6	-	402	757,867	4,931,891	-	9	6	815	1,602,696	16,058,697	-	-	-	64	124,170
NEW YORK																	
METAL-----	-	-	-	7	10,739	-	-	-	21	37,788	-	3	-	43	90,594		
NONMETAL-----	-	10	-	402	793,362	-	1	1	35	53,407	-	4	1	160	303,789		
STONE-----	-	1	1	20	47,582	-	11	5	883	1,478,505	-	21	10	773	1,614,881		
SAND AND GRAVEL--	-	-	-	-	-	-	7	8	1,232	1,745,420	-	-	-	-	-		
TOTAL-----	-	11	1	429	851,683	-	19	14	2,171	3,315,120	-	28	11	976	2,009,264		
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA																	
METAL-----	-	-	-	-	-	-	-	-	1	2,041	-	-	-	8	12,168		
NONMETAL-----	-	-	-	-	-	-	-	2	329	726,551	-	9	5	515	1,232,342		
STONE-----	-	-	-	-	-	-	18	8	935	1,650,010	-	8	8	787	1,402,574		
SAND AND GRAVEL--	-	-	-	-	-	-	8	7	586	965,422	-	-	-	-	-		
TOTAL-----	-	-	-	-	-	-	26	17	1,851	3,344,024	-	17	13	1,310	2,647,084		
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DAKOTA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL-----	-	-	-	-	-	-	-	-	1	608	-	-	-	18	42,275		
STONE-----	-	-	-	-	-	-	-	-	13	10,132	-	-	-	-	-		
SAND AND GRAVEL--	-	-	-	-	-	-	5	2	473	614,375	-	-	-	-	-		
TOTAL-----	-	-	-	-	-	-	5	2	487	625,115	-	-	-	18	42,275		
COAL-----	-	-	-	-	-	-	-	3	5	1,097	2,133,700	28,948,944	-	-	-	9	14,534
OHIO																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL-----	-	7	1	299	610,889	-	-	1	73	122,845	-	-	-	57	112,918		
STONE-----	-	1	1	58	109,058	-	7	6	561	1,031,265	-	16	9	958	1,910,981		
SAND AND GRAVEL--	-	-	-	-	-	-	16	12	950	1,674,222	-	-	-	-	-		
TOTAL-----	-	8	2	357	719,947	-	23	19	1,584	2,828,332	-	16	9	1,015	2,023,899		
COAL-----	-	45	24	1,490	3,453,504	18,004,283	-	18	9	962	2,311,442	9,484,234	-	3	1	378	870,518

TABLE 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION ON BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
OKLAHOMA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	1	-	129	245,969	-	-	-	15	33,012	-	
STONE-----	1	-	-	20	44,224	-	18	5	1,206	2,162,718	-	-	-	739	1,555,804	-	
SAND AND GRAVEL--	-	-	-	-	-	-	11	5	388	744,819	-	-	-	-	-	-	
TOTAL-----	1	-	-	20	44,224	-	30	10	1,723	3,153,506	-	-	-	754	1,588,816	-	
COAL-----	-	6	-	72	143,203	393,891	-	1	2	142	297,001	616,520	-	-	-	2	1,652
OREGON																	
METAL-----	-	-	-	7	388	-	-	-	43	21,613	-	-	-	2	68	-	
NONMETAL-----	-	-	-	-	-	-	-	-	32	31,822	-	-	-	89	158,481	-	
STONE-----	-	-	-	-	-	-	-	7	2	728	878,016	-	-	3	160,224	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	4	2	447	619,844	-	-	-	-	-	
TOTAL-----	-	-	-	7	388	-	11	4	1,250	1,551,295	-	-	-	177	318,773	-	
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6,174	-	
NONMETAL-----	-	-	-	-	-	-	-	-	15	14,574	-	-	-	59	116,746	-	
STONE-----	-	6	1	259	506,658	-	49	22	2,390	4,031,483	-	-	-	2,136	4,171,146	-	
SAND AND GRAVEL--	-	-	-	-	-	-	9	5	543	928,143	-	-	-	-	-	-	
TOTAL-----	-	6	1	259	506,658	-	58	27	2,948	4,974,200	-	-	-	2,198	4,294,066	-	
COAL-ANTHRACITE--	-	5	-	83	126,297	138,654	-	17	2	626	1,085,621	1,670,713	-	24	9	355	733,299
BITUMINOUS--	-	187	76	4,325	10,250,703	43,021,231	-	13	6	1,737	3,447,944	9,839,235	-	12	11	671	1,482,780
PUERTO RICO																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	-	10	-	462	628,569	-	-	-	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	4	-	191	274,609	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	-	14	-	653	903,178	-	-	-	-	-	
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RHODE ISLAND																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	-	-	39	50,105	-	-	-	-	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	1	1	86	151,946	-	-	13	14,056	-	
TOTAL-----	-	-	-	-	-	-	-	1	1	125	202,051	-	-	13	14,056	-	
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



TABLE 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION ON BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
SOUTH CAROLINA																	
METAL-----	-	-	-	-	-	-	-	-	2	1,292	-	-	-	45	92,618		
NONMETAL-----	-	-	-	-	-	-	-	-	44	61,381	-	-	-	159	294,218		
STONE-----	-	-	-	-	-	-	-	4	278	514,202	-	-	2	531	953,345		
SAND AND GRAVEL--	-	-	-	-	-	-	2	2	250	406,989	-	5	-	-	-		
TOTAL-----	-	-	-	-	-	-	6	5	574	983,864	-	7	2	735	1,340,181		
COAL-----																	
SOUTH DAKOTA																	
METAL-----	-	-	-	-	-	-	5	-	123	248,405	-	-	1	30	52,392		
NONMETAL-----	-	-	-	-	-	-	-	-	3	3,417	-	1	2	60	108,831		
STONE-----	-	-	-	-	-	-	3	10	222	399,068	-	2	3	162	310,808		
SAND AND GRAVEL--	-	-	-	-	-	-	7	4	442	569,357	-	-	-	-	-		
TOTAL-----	-	-	-	-	-	-	15	14	790	1,220,247	-	3	6	252	472,031		
COAL-----																	
TENNESSEE																	
METAL-----	-	23	4	301	759,215	-	1	1	53	119,086	-	4	-	49	126,915		
NONMETAL-----	-	-	-	-	-	-	-	-	49	101,838	-	6	1	210	399,904		
STONE-----	-	3	1	80	174,114	-	11	1	952	1,499,660	-	22	8	812	1,615,006		
SAND AND GRAVEL--	-	-	-	-	-	-	11	2	276	489,543	-	-	-	-	-		
TOTAL-----	-	26	5	381	933,329	-	23	4	1,330	2,210,127	-	32	9	1,071	2,141,825		
COAL-----	-	14	7	205	387,580	554,715	-	7	2	319	700,931	1,206,592	-	2	2	73	172,060
TEXAS																	
METAL-----	-	-	-	-	-	-	-	-	13	12,238	-	55	17	940	2,133,946		
NONMETAL-----	-	2	-	46	115,908	-	-	-	196	362,641	-	13	3	626	1,417,618		
STONE-----	-	-	-	8	18,142	-	1	50	13	3,151	6,196,378	-	51	17	2,238	4,542,320	
SAND AND GRAVEL--	-	-	-	-	-	-	-	32	18	2,410	5,269,306	-	-	-	-	-	
TOTAL-----	-	2	-	54	134,050	-	1	82	33	5,770	11,840,563	-	119	37	3,804	8,093,884	
COAL-----	-	-	-	-	-	-	-	13	17	2,684	5,807,924	41,635,271	-	-	-	6	13,212
UTAH																	
METAL-----	-	1	1	72	125,078	-	3	2	943	2,056,591	-	4	1	486	792,515		
NONMETAL-----	-	8	4	117	235,287	-	1	-	106	166,041	-	-	5	218	413,144		
STONE-----	-	-	-	-	-	-	1	1	213	284,027	-	2	3	193	331,373		
SAND AND GRAVEL--	-	-	-	-	-	-	9	13	1,051	1,448,727	-	-	-	-	-		
TOTAL-----	-	9	5	189	360,365	-	14	16	2,313	3,955,386	-	6	9	897	1,537,032		
COAL-----	-	20	25	1,636	3,424,724	19,287,951	-	-	5	9,500	-	-	1	2	103	193,657	

TABLE 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION ON BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
VERMONT																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	3	6,776	-	-	-	14	-	29,750	
STONE-----	-	1	-	23	51,654	-	6	1	327	523,702	-	-	-	304	569,862	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	1	199	206,428	-	-	-	-	-	-	
TOTAL-----	-	1	-	23	51,654	-	6	2	529	736,906	-	-	-	318	599,612	-	
COAL-----																	
VIRGIN ISLANDS																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	1	-	41	85,195	-	-	-	-	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	1	-	41	85,195	-	-	-	-	-	-	
COAL-----																	
VIRGINIA																	
METAL-----	-	-	-	-	-	-	2	-	25	60,960	-	-	-	72	175,517	-	
NONMETAL-----	-	-	-	3	827	-	5	-	44	72,760	-	-	318	681,202	-	-	
STONE-----	-	2	1	42	78,623	-	10	2	677	1,349,743	-	-	1,132	2,357,356	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	2	1	230	452,730	-	-	-	-	-	-	
TOTAL-----	-	2	1	45	79,450	-	19	3	976	1,936,193	-	-	-	1,522	3,214,075	-	
COAL-----	-	135	57	3,049	6,887,862	14,168,585	-	19	4	1,272	2,713,541	7,565,589	-	11	3	667	1,486,524
WASHINGTON																	
METAL-----	-	2	1	121	237,332	-	-	-	1	294	-	-	53	105,891	-	-	
NONMETAL-----	-	-	-	-	-	-	-	2	27	53,612	-	-	63	133,972	-	-	
STONE-----	-	-	-	-	-	-	1	5	3	451	637,547	-	4	272	493,500	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	15	13	931	1,385,170	-	-	-	-	-	
TOTAL-----	-	2	1	121	237,332	-	1	22	18	1,410	2,076,623	-	-	10	4	388	733,363
COAL-----	-	-	-	-	-	-	-	-	-	62	117,103	-	-	-	-	1	221
WEST VIRGINIA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	11	25,691
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	17	30,306
STONE-----	-	1	1	66	161,434	-	10	-	189	371,943	-	-	411	859,284	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	1	13	21,260	-	-	-	-	-	-	
TOTAL-----	-	1	1	66	161,434	-	11	-	202	393,203	-	-	-	11	3	439	915,281
COAL-----	33	623	251	13,848	31,969,873	89,041,451	-	80	39	5,227	12,774,506	51,543,573	-	42	21	2,347	5,477,285

TABLE 3. NUMBER OF OPERATOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
WISCONSIN																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	1	16	50,306	-	-	-	21	45,164	-	-	3	1	87	208,925	
STONE-----	-	3	-	17	47,272	-	24	14	775	1,274,579	-	-	25	9	517	989,511	
SAND AND GRAVEL--	-	-	-	-	-	-	9	4	918	1,161,441	-	-	-	-	-	-	
TOTAL-----	-	3	1	33	97,578	-	33	18	1,714	2,481,184	-	-	28	10	604	1,198,436	
COAL-----																	
WYOMING																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	22	7	743	1,532,088	-	1	1	182	397,295	-	-	30	28	1,613	3,435,382	
STONE-----	-	-	-	-	-	-	-	2	109	193,976	-	-	5	3	132	282,315	
SAND AND GRAVEL--	-	-	-	-	-	-	3	3	484	619,671	-	-	-	-	-	-	
TOTAL-----	-	22	7	743	1,532,088	-	4	6	775	1,210,942	-	-	35	31	1,745	3,717,697	
COAL-----	-	8	6	213	534,576	3,819,144	-	35	37	6,422	13,404,143	438,703,228	-	-	-	113	219,848
NATION																	
METAL-----	3	194	100	6,113	12,541,817		1	182	90	13,262	28,132,365		-	228	142	12,054	25,425,509
NONMETAL-----	-	101	34	2,994	6,259,577		-	51	21	3,960	7,463,526		-	182	116	10,351	21,699,377
STONE-----	1	57	21	2,167	4,428,655		5	468	208	27,922	49,119,572		2	646	303	27,167	53,881,561
SAND AND GRAVEL--	-	-	-	-	-	-	1	412	202	29,545	46,096,692		-	-	-	-	-
TOTAL-----	4	352	155	11,274	23,230,049		7	1,113	521	74,689	130,812,155		2	1,056	561	49,572	101,006,447
COAL-----	41	1,908	956	44,328	100,975,257	337,348,524	3	429	187	32,690	71,381,939	748,703,196	-	151	91	8,320	19,164,549

TABLE 4. NUMBER OF OPERATOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION

JANUARY - DECEMBER, 2010

ACCIDENT CLASSIFICATION	COAL									METAL								
	UNDERGROUND			SURFACE			PREPARATION PLANTS			UNDERGROUND			SURFACE			MILLS		
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL
ELECTRICAL-----	-	15	3	-	2	-	-	3	-	-	-	-	1	1	-	3	-	-
ENTRAPMENT-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSELS	-	3	2	-	4	3	-	-	-	-	-	-	2	-	-	1	2	-
UNDER PRESSURE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLOSIVES AND BREAKING AGENTS-----	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	6	-	-	-	-	-	-	1	2	1	-	-	-	-	-	-	1
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	3	60	8	-	1	-	-	-	-	-	9	4	-	-	-	-	-	-
FALL OF ROOF (UNDERGROUND MINES ONLY)-----	3	223	143	-	-	-	-	-	-	-	17	16	-	-	-	-	-	-
FIRE-----	-	2	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-
HANDLING MATERIAL-----	-	554	305	-	86	67	-	51	28	-	55	25	-	56	35	-	87	65
HAND TOOLS-----	-	102	205	-	32	39	-	13	24	-	11	17	-	7	19	-	30	24
NONPOWERED HAULAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	4	1
POWERED HAULAGE-----	5	217	60	2	61	15	-	14	3	-	20	6	1	36	5	-	10	2
HAULAGE TRUCKS-----	1	1	1	2	40	11	-	6	-	-	9	2	1	25	1	-	4	-
FRONT-END LOADERS-----	-	2	-	-	16	2	-	3	1	-	1	-	-	2	2	-	-	-
ALL OTHER POWERED HAULAGE-----	4	214	59	-	5	2	-	5	2	-	10	4	-	9	2	-	6	2
HOISTING-----	-	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-	1	-
IGNITION OR EXPLOSION OF GAS OR DUST-----	28	4	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-
IMPOUNDMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INUNDATION-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY-----	2	202	116	-	46	26	-	9	10	-	22	17	-	23	13	-	15	23
DOZER-----	-	-	-	-	19	4	-	1	-	-	-	1	-	4	1	-	-	-
DRIILL-----	-	-	-	-	1	2	-	-	-	-	-	-	-	2	-	-	-	-
ALL OTHER MACHINERY-----	2	202	116	-	26	20	-	8	10	-	22	16	-	17	12	-	15	23
SLIPS OR FALLS OF PERSON-----	-	415	78	-	170	25	-	54	19	-	41	10	-	49	9	-	60	14
STEPPING OR KNEELING ON OBJECT-----	-	47	3	-	10	-	-	2	1	-	10	-	-	3	-	-	5	1
STRIKING OR BUMPING-----	-	40	29	-	5	4	-	2	5	-	1	1	-	2	2	-	4	4
OTHER-----	-	17	3	-	10	8	-	1	-	-	3	4	-	1	6	-	8	5
TOTAL-----	41	1,908	956	3	429	187	-	151	91	3	194	100	1	182	90	-	228	142

TABLE 4. NUMBER OF OPERATOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION

JANUARY - DECEMBER, 2010 - CONTINUED

ACCIDENT CLASSIFICATION	NONMETAL									STONE									SAND / GRAVEL		
	UNDERGROUND			SURFACE			MILLS			UNDERGROUND			SURFACE			MILLS			SURFACE		
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL
ELECTRICAL-----	-	3	-	-	-	-	-	4	-	-	-	-	4	-	-	3	-	-	-	4	2
ENTRAPMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSELS UNDER PRESSURE-----	-	1	-	-	-	-	-	1	1	-	1	-	1	-	1	1	1	-	1	-	
EXPLOSIVES AND BREAKING AGENTS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	2	-	-	-	-	-	1	-	-	-	2	4	-	-	-	1	-	1	1	
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	-	-	-	-	-	-	-	-	-	-	3	-	1	1	-	-	-	-	2	-	
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	-	3	3	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
FIRE-----	-	-	-	-	-	-	-	-	1	-	-	-	2	1	-	2	-	-	-	-	
HANDLING MATERIAL-----	-	28	12	-	22	6	-	81	36	-	14	5	-	156	68	-	239	115	-	134	77
HAND TOOLS-----	-	15	8	-	5	5	-	13	24	-	8	5	-	60	43	-	85	82	-	56	46
NONPOWERED HAULAGE-----	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	1	-	2	1	
POWERED HAULAGE-----	-	12	4	-	4	3	-	11	7	-	7	2	3	54	18	1	33	9	-	32	10
HAULAGE TRUCKS-----	-	-	1	-	2	2	-	2	-	-	-	1	1	23	7	1	11	3	-	6	1
FRONT-END LOADERS-----	-	1	-	-	1	-	-	1	2	-	2	-	-	22	7	-	5	1	-	15	6
ALL OTHER POWERED HAULAGE-----	-	11	3	-	1	1	-	8	5	-	5	1	2	9	4	-	17	5	-	11	3
HOISTING-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	
IGNITION OR EXPLOSION OF GAS OR DUST-----	-	-	-	-	-	-	-	-	1	-	-	-	-	3	-	-	1	1	-	-	
IMPOUNDMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
INUNDATION-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MACHINERY-----	-	6	2	-	5	3	-	15	19	1	3	3	-	40	23	-	64	39	-	33	23
DOZER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	1	-	3	1
DRI LL-----	-	-	-	-	-	1	-	-	-	-	-	1	-	6	1	-	1	-	-	-	1
ALL OTHER MACHINERY--	-	6	2	-	5	2	-	15	19	1	3	2	-	33	22	-	61	38	-	30	21
SLIPS OR FALLS OF PERSON-----	-	26	4	-	13	3	-	45	17	-	12	4	-	119	40	-	180	27	-	121	27
STEPPING OR KNEELING ON OBJECT-----	-	2	-	-	-	-	-	2	-	-	6	-	-	7	2	-	9	3	-	9	1
STRIKING OR BUMPING-----	-	-	-	-	-	-	-	2	4	-	-	-	-	7	4	-	7	10	-	6	4
OTHER-----	-	3	1	-	2	1	-	5	6	-	2	1	-	9	8	-	20	14	1	11	10
TOTAL-----	-	101	34	-	51	21	-	182	116	1	57	21	5	468	208	2	646	303	1	412	202

TABLE 5. NUMBER OF CONTRACTOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS, AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION

JANUARY - DECEMBER, 2010

TYPE OF COAL AND WORK LOCATION	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE	NDL	NDL INCIDENCE RATE	ALL OCCURENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)
<b>BITUMINOUS COAL:</b>											
<b>UNDERGROUND MINES:</b>											
UNDERGROUND-----	1		121		24		146				
SURFACE-----	2		34		20		56				
TOTAL, UNDERGROUND MINES--	3		155		44		202				
<b>SURFACE MINES:</b>											
STRIP MINES-----	1		115		60		176				
AUGER MINES-----	-		3		-		3				
OTHER SURFACE MINES-----	-		-		-		-				
TOTAL, SURFACE MINES-----	1		118		60		179				
TOTAL, PRODUCTION MINING--	4		273		104		381				
PREPARATION PLANTS-----	-		84		42		126				
INDEPENDENT SHOPS/YARDS-----	-		3		-		3				
TOTAL, OTHER OPERATIONS---	-		87		42		129				
TOTAL, BITUMINOUS MINING--	4		360		146		510				
<b>PENNSYLVANIA ANTHRACITE COAL:</b>											
<b>UNDERGROUND MINES:</b>											
UNDERGROUND-----	-		-		-		-				
SURFACE-----	-		-		-		-				
TOTAL, UNDERGROUND MINES--	-		-		-		-				
<b>SURFACE MINES:</b>											
STRIP MINES-----	-		1		-		1				
CULM BANK-----	-		-		-		-				
DREDGE-----	-		-		-		-				
TOTAL, SURFACE MINES-----	-		1		-		1				
TOTAL, PRODUCTION MINING--	-		1		-		1				
PREPARATION PLANTS-----	-		-		-		-				
INDEPENDENT SHOPS/YARDS-----	-		-		-		-				
TOTAL, OTHER OPERATIONS---	-		-		-		-				
TOTAL, ANTHRACITE MINING--	-		1		-		1				
<b>ALL COAL:</b>											
<b>UNDERGROUND MINES:</b>											
UNDERGROUND-----	1	.03	121	3.35	24	.66	146	4.04	5,784	7,219,969	246,040
SURFACE-----	2	.05	34	.84	20	.49	56	1.38	8,449	8,141,935	-
TOTAL, UNDERGROUND MINES--	3	.04	155	2.02	44	.57	202	2.63	14,233	15,361,904	246,040
<b>SURFACE MINES:</b>											
STRIP MINES-----	1	.01	116	1.07	60	.55	177	1.63	20,278	21,653,963	219,410
AUGER MINES-----	-		3	3.84	-		3	3.84	290	156,265	-
CULM BANK-----	-		-		-		-		620	573,503	15,522
DREDGE-----	-		-		-		-		71	38,719	-
TOTAL, SURFACE MINES-----	1	.01	119	1.06	60	.54	180	1.61	21,259	22,422,450	234,932
TOTAL, PRODUCTION MINING--	4	.02	274	1.45	104	.55	382	2.02	35,492	37,784,354	480,972
PREPARATION PLANTS-----	-		84	1.77	42	.89	126	2.66	8,063	9,473,422	-
INDEPENDENT SHOPS/YARDS-----	-		3	1.06	-		3	1.06	465	567,975	-
TOTAL, OTHER OPERATIONS---	-		87	1.73	42	.84	129	2.57	8,528	10,041,397	-
TOTAL, ALL COAL-----	4	.02	361	1.51	146	.61	511	2.14	44,020	47,825,751	480,972
<b>OFFICEWORKERS:</b>											
BITUMINOUS-----	-		1		3		4				
ANTHRACITE-----	-		-		-		-				
TOTAL, OFFICEWORKERS-----	-		1	.07	3	.21	4	.28	2,304	2,884,956	-
GRAND TOTAL-----	4	.02	362	1.43	149	.59	515	2.03	46,324	50,710,707	480,972

TABLE 6. NUMBER OF CONTRACTOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010

TYPE OF COAL AND WORK LOCATION	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE	NDL	NDL INCIDENCE RATE	ALL OCCURENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
UNDERGROUND MINES:										
METAL-----	2		29		18		49			
NONMETAL-----	1		8		12		21			
STONE-----	-		5		2		7			
TOTAL, UNDERGROUND MINES--	3	.11	42	1.53	32	1.16	77	2.80	6,326	5,501,046
SURFACE MINES:										
METAL-----	1		45		33		79			
NONMETAL-----	1		13		8		22			
STONE-----	3		39		31		73			
SUBTOTAL, SURFACE MINES--	5		97		72		174			
SAND AND GRAVEL-----	1		24		3		28			
TOTAL, SURFACE MINES-----	6	.03	121	.70	75	.43	202	1.16	39,329	34,779,328
TOTAL, MINES-----	9	.04	163	.81	107	.53	279	1.39	45,655	40,280,374
MI LLS:										
METAL-----	-		23		36		59			
NONMETAL-----	-		13		5		18			
STONE-----	1		54		31		86			
TOTAL, MI LLS-----	1	.01	90	1.05	72	.84	163	1.91	16,615	17,086,968
INDEPENDENT SHOPS AND YARDS:										
METAL-----	-		-		-		-			
NONMETAL-----	-		-		-		-			
STONE-----	-		-		-		-			
TOTAL, SHOPS AND YARDS---	-		-		-		-		41	10,440
ALL MINES, MI LLS AND SHOPS:										
METAL-----	3		97		87		187			
NONMETAL-----	2		34		25		61			
STONE-----	4		98		64		166			
SUBTOTAL-----	9		229		176		414			
SAND AND GRAVEL-----	1		24		3		28			
TOTAL, MINES/MI LLS/SHOPS--	10	.03	253	.88	179	.62	442	1.54	62,311	57,377,782
OFFICEWORKERS:										
METAL-----	-		2		2		4			
NONMETAL-----	-		1		-		1			
STONE-----	-		2		-		2			
SAND AND GRAVEL-----	-		-		-		-			
TOTAL, OFFICEWORKERS-----	-		5	.25	2	.10	7	.35	3,186	3,998,463
SUMMARY TOTAL (INCLUDES OFFICEWORKERS):										
METAL-----	3		99		89		191			
NONMETAL-----	2		35		25		62			
STONE-----	4		100		64		168			
SUBTOTAL-----	9		234		178		421			
SAND AND GRAVEL-----	1		24		3		28			
GRAND TOTAL-----	10	.03	258	.84	181	.59	449	1.46	65,497	61,376,245

TABLE 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
ALABAMA																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--						1	4	3						6	5		
TOTAL-----						1	4	3						6	6		
COAL-----		4	1				4	1						2			
ALASKA																	
METAL-----		3	5					1	4					4	3		
NONMETAL-----																	
STONE-----								2									
SAND AND GRAVEL--																	
TOTAL-----		3	5					3	4					4	3		
COAL-----																	
ARI ZONA																	
METAL-----			1			1	21	11						5	6		
NONMETAL-----																	
STONE-----								2						6	5		
SAND AND GRAVEL--																	
TOTAL-----			1			1	23	11						11	11		
COAL-----								1									
ARKANSAS																	
METAL-----																	
NONMETAL-----																	
STONE-----								1	1					2	2		
SAND AND GRAVEL--																	
TOTAL-----								1	1					2	2		
COAL-----																	
CALIFORNIA																	
METAL-----								1									
NONMETAL-----								2									
STONE-----									1					6	1		
SAND AND GRAVEL--								5									
TOTAL-----								8	1					6	1		
COAL-----																	



TABLE 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
COLORADO																	
METAL-----		1						3		3					1		
NONMETAL-----								1		1							
STONE-----																	
SAND AND GRAVEL--																	
TOTAL-----		1						4		4					1		
COAL-----		10		3						1				2		1	
FLORIDA																	
METAL-----																	
NONMETAL-----																	
STONE-----							1	8		1				2		1	
SAND AND GRAVEL--														1			
TOTAL-----							1	8		1				3		1	
COAL-----																	
GEORGIA																	
METAL-----																	
NONMETAL-----							1			1				4		2	
STONE-----								1		1				1			
SAND AND GRAVEL--																	
TOTAL-----							1	1		2				5		2	
COAL-----																	
IDAHO																	
METAL-----	1	2		3						1							
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--																	
TOTAL-----	1	2		3						1							
COAL-----																	
ILLINOIS																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--								2		1				5		1	
TOTAL-----								2		1				5		1	
COAL-----	1	15		5				1						2		1	

TABLE 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES						SURFACE OPERATIONS						MILLS / PREP PLANTS				
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
INDIANA																	
METAL-----																	
NONMETAL-----																	
STONE-----								1								1	
SAND AND GRAVEL--																	
TOTAL-----								1								1	
COAL-----	1	3						4	2							4	3
IOWA																	
METAL-----																	
NONMETAL-----																	
STONE-----		1	2					1	2							2	
SAND AND GRAVEL--																	
TOTAL-----		1	4					1	2							2	
COAL-----																	
KANSAS																	
METAL-----																	
NONMETAL-----																	
STONE-----																1	1
SAND AND GRAVEL--																	
TOTAL-----																1	1
COAL-----																	
KENTUCKY																	
METAL-----																	
NONMETAL-----																	
STONE-----		1						2	1							2	1
SAND AND GRAVEL--								1									
TOTAL-----		1						3	1							2	1
COAL-----		16	2					19	8							10	7
LOUISIANA																	
METAL-----																	
NONMETAL-----		3	5													2	
STONE-----																	
SAND AND GRAVEL--																	
TOTAL-----		3	5													2	
COAL-----								1	1								

TABLE 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
MARYLAND																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--							2		1						1		
TOTAL-----							2		1						1		
COAL-----														2			
MASSACHUSETTS																	
METAL-----																	
NONMETAL-----																	
STONE-----									1								
SAND AND GRAVEL--																	
TOTAL-----									1								
COAL-----																	
MICHIGAN																	
METAL-----																	
NONMETAL-----																	
STONE-----									1						2		
SAND AND GRAVEL--							2							2	1		
TOTAL-----							2		1					2	3		
COAL-----																	
MINNESOTA																	
METAL-----									1						3	8	
NONMETAL-----																	
STONE-----									1				1				
SAND AND GRAVEL--									1								
TOTAL-----									2				1	3	8		
COAL-----																	
MISSISSIPPI																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--									1								
TOTAL-----									1								
COAL-----																	

TABLE 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
MISSOURI																	
METAL-----		1															
NONMETAL-----													4		2		
STONE-----		2															
SAND AND GRAVEL--																	
TOTAL-----		3											4		2		
COAL-----																	
MONTANA																	
METAL-----		1	1														
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--																	
TOTAL-----		1	1														
COAL-----		5	3												1		
NEVADA																	
METAL-----		19	8				16	13					6		8		
NONMETAL-----							1	1					2				
STONE-----																	
SAND AND GRAVEL--																	
TOTAL-----		19	8				17	14					8		8		
COAL-----																	
NEW HAMPSHIRE																	
METAL-----																	
NONMETAL-----																	
STONE-----							1										
SAND AND GRAVEL--																	
TOTAL-----							1										
COAL-----																	
NEW MEXICO																	
METAL-----																	
NONMETAL-----		1	2					1									
STONE-----																	
SAND AND GRAVEL--																	
TOTAL-----		1	2					1									
COAL-----		3						2									

TABLE 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
NEW YORK																	
METAL-----																	
NONMETAL-----	1	1						2									
STONE-----																	
SAND AND GRAVEL--																	
TOTAL-----	1	1						2									
COAL-----																	
NORTH CAROLINA																	
METAL-----																	
NONMETAL-----																	
STONE-----								2	1					1			
SAND AND GRAVEL--									1								
TOTAL-----								2	2					1			
COAL-----																	
NORTH DAKOTA																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--																	
TOTAL-----																	
COAL-----								4	4					2	4		
OHIO																	
METAL-----																	
NONMETAL-----																	
STONE-----								1	1					3			
SAND AND GRAVEL--																	
TOTAL-----								1	1					3			
COAL-----								1						2			
OKLAHOMA																	
METAL-----																	
NONMETAL-----																	
STONE-----								1	4								
SAND AND GRAVEL--																	
TOTAL-----								1	4								
COAL-----									1								

TABLE 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
OREGON																	
METAL-----																	
NONMETAL-----								1		1							
STONE-----								2		1					1		
SAND AND GRAVEL--								1									
TOTAL-----								4		2					1		
COAL-----																	
PENNSYLVANIA																	
METAL-----																	
NONMETAL-----																	
STONE-----								1						1	1		
SAND AND GRAVEL--																	
TOTAL-----								1						1	1		
COAL-ANTHRACITE--																	
BITUMINOUS--								15		7					9	4	
PUERTO RICO																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--															2		
TOTAL-----															2		
COAL-----																	
SOUTH CAROLINA																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--										1					1	3	
TOTAL-----										1					4	1	
COAL-----																	
SOUTH DAKOTA																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--																1	
TOTAL-----															1		
COAL-----																	



TABLE 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
WASHINGTON																	
METAL-----		1															
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--								1									
TOTAL-----		1						1									
COAL-----																	
WEST VIRGINIA																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--																	
TOTAL-----																	
COAL-----	1	74	23					1	49	16				42	17		
WYOMING																	
METAL-----																	
NONMETAL-----		3	2														
STONE-----																	
SAND AND GRAVEL--																	
TOTAL-----		3	2														
COAL-----																	



TABLE 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION BY WORK LOCATION, STATE, AND MINERAL INDUSTRY

JANUARY - DECEMBER, 2010 - CONTINUED

STATE AND MINERAL INDUSTRY	UNDERGROUND MINES					SURFACE OPERATIONS					MILLS / PREP PLANTS						
	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	PRODUCTION (SHORT TONS)	NUMBER OF INJURIES			AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
	FATAL	NFDL	NDL				FATAL	NFDL	NDL				FATAL	NFDL	NDL		
NATION																	
METAL-----	2	29	18			1	45	33						23	36		
NONMETAL-----	1	8	12			1	13	8						13	5		
STONE-----		5	2			3	39	31					1	54	31		
SAND AND GRAVEL--						1	24	3									
TOTAL-----	3	42	32	6,326	5,501,046	6	121	75	39,370	34,789,768		1	90	72	16,615	17,086,968	
COAL-----	3	155	44	14,233	15,361,904	246,040	1	122	60	21,724	22,990,425	234,932		84	42	8,063	9,473,422

TABLE 8. NUMBER OF CONTRACTOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION

JANUARY - DECEMBER, 2010

ACCIDENT CLASSIFICATION	COAL									METAL								
	UNDERGROUND			SURFACE			PREPARATION PLANTS			UNDERGROUND			SURFACE			MILLS		
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL
ELECTRICAL-----	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
ENTRAPMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSELS	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
UNDER PRESSURE-----	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
EXPLOSIVES AND BREAKING	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
AGENTS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	-	-	-	-	1	-	-	1	-	-	-	-	1	-	1	-	-	-
SLIDING MATERIAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE	-	2	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
OR HIGHWALL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF ROOF (UNDER-	-	12	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
GROUND MINES ONLY)----	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
FIRE-----	-	42	12	-	27	25	-	28	10	-	10	5	-	18	13	-	7	16
HANDLING MATERIAL-----	-	7	8	-	12	8	-	8	10	-	-	3	-	7	4	-	3	2
HAND TOOLS-----	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
NONPOWERED HAULAGE-----	1	17	2	1	18	5	-	5	1	-	2	-	-	-	2	-	-	-
POWERED HAULAGE-----	1	4	1	1	16	4	-	4	-	-	1	-	-	-	1	-	-	-
HAULAGE TRUCKS-----	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-
FRONT-END LOADERS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER POWERED	-	13	1	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-
HAULAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOISTING-----	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-
IGNITION OR EXPLOSION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OF GAS OR DUST-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IMPOUNDMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INUNDATION-----	1	21	7	-	11	4	-	6	10	-	5	3	-	7	6	-	4	14
MACHINERY-----	-	-	1	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-
DOZER-----	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-
DRI LL-----	1	21	6	-	9	4	-	5	10	-	5	3	-	4	6	-	4	14
ALL OTHER MACHINERY--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIPS OR FALLS OF	-	44	8	-	49	12	-	33	6	-	8	3	-	9	6	-	7	2
PERSON-----	-	5	-	-	-	-	-	1	-	-	1	-	-	3	-	-	-	-
STEPPING OR KNEELING	-	2	1	-	-	4	-	-	1	-	-	-	-	-	-	-	-	1
ON OBJECT-----	-	2	1	-	1	2	-	-	4	-	1	2	-	1	1	-	1	1
STRIKING OR BUMPING-----	-	2	1	-	1	2	-	-	4	-	1	2	-	1	1	-	1	1
OTHER-----	3	155	44	1	122	60	-	84	42	2	29	18	1	45	33	-	23	36
TOTAL-----																		

TABLE 8. NUMBER OF CONTRACTOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION

JANUARY - DECEMBER, 2010 - CONTINUED

ACCIDENT CLASSIFICATION	NONMETAL									STONE									SAND / GRAVEL			
	UNDERGROUND			SURFACE			MILLS			UNDERGROUND			SURFACE			MILLS			SURFACE			
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	
ELECTRICAL-----	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
ENTRAPMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSELS UNDER PRESSURE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLOSIVES AND BREAKING AGENTS-----	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR SLIDING MATERIAL-----	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF ROOF (UNDER- GROUND MINES ONLY)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIRE-----	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLING MATERIAL-----	-	2	2	-	3	3	-	6	3	-	2	1	-	11	8	-	24	11	-	-	8	-
HAND TOOLS-----	-	-	2	-	2	1	-	3	1	-	1	-	2	5	-	4	5	-	-	-	-	-
NONPOWERED HAULAGE-----	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POWERED HAULAGE-----	-	1	-	1	3	1	-	1	-	-	-	-	1	-	-	4	1	-	1	1	2	-
HAULAGE TRUCKS-----	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
FRONT-END LOADERS-----	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-
ALL OTHER POWERED HAULAGE-----	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-	3	1	-	-	2	-	-
HOISTING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IGNITION OR EXPLOSION OF GAS OR DUST-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IMPOUNDMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INUNDATION-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY-----	-	1	4	-	2	1	-	1	-	-	2	-	1	5	6	-	5	7	-	-	5	1
DOZER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
DRI LL-----	-	-	-	-	-	-	-	-	-	-	-	1	2	1	-	-	-	-	-	-	1	-
ALL OTHER MACHINERY--	-	1	4	-	2	1	-	1	-	-	2	-	3	5	-	5	7	-	-	4	1	-
SLIPS OR FALLS OF PERSON-----	-	4	3	-	3	1	-	-	-	-	-	1	17	6	1	16	4	-	-	6	2	-
STEPPING OR KNEELING ON OBJECT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
STRIKING OR BUMPING-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
OTHER-----	-	-	-	-	-	1	-	1	-	-	-	-	-	-	4	-	-	2	-	3	-	-
TOTAL-----	1	8	12	1	13	8	-	13	5	-	5	2	3	39	31	1	54	31	1	24	3	-