

# Mine Injury and Worktime, Quarterly

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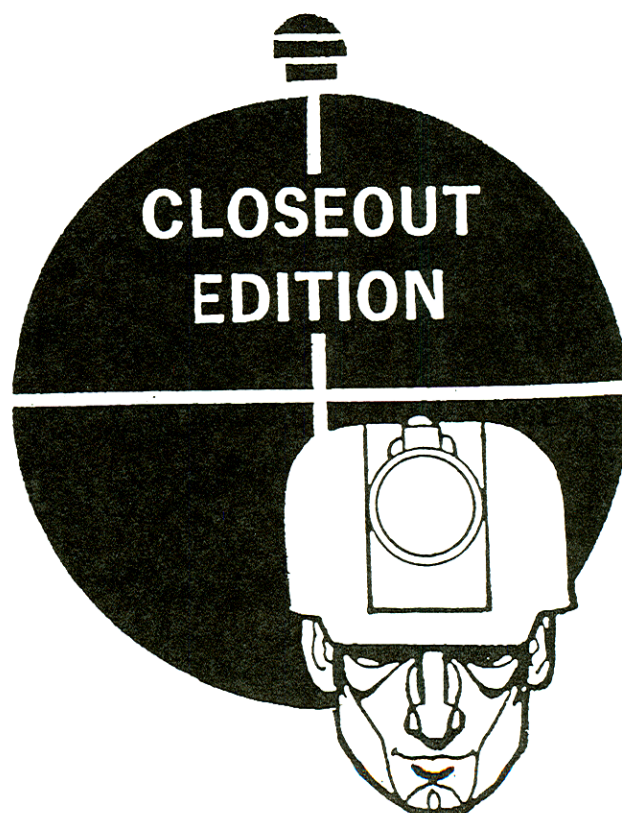


U.S. Department of Labor  
Hilda Solis, Secretary

Mine Safety and Health Administration  
Joseph A. Main, Assistant Secretary

Program Evaluation and Information Resources  
Information Technology Center

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Final



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,  
2009, 2010 and 2011

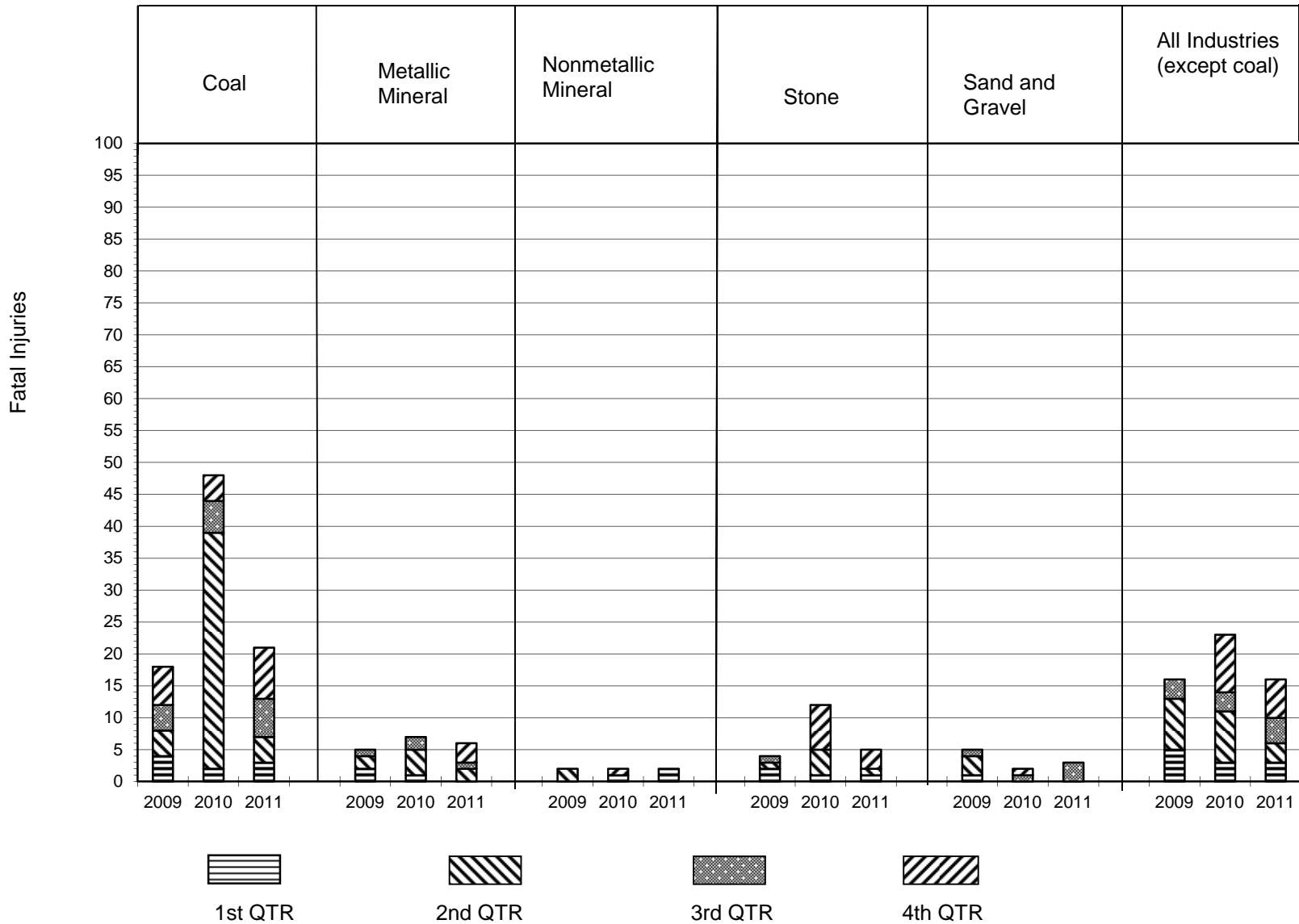


TABLE 1. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS, AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION

JANUARY - DECEMBER, 2011

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-----	9	.02	1,884	3.58	968	1.84	2,861	5.44	45,093	105,185,842	345,240,344
SURFACE-----	1	.03	87	2.74	61	1.92	149	4.69	3,060	6,351,274	-
TOTAL, UNDERGROUND MINES--	10	.02	1,971	3.53	1,029	1.85	3,010	5.40	48,153	111,537,116	345,240,344
<b>SURFACE MINES:</b>											
STRIP MINES-----	4	.01	393	1.09	196	.54	593	1.64	32,145	72,253,243	741,365,682
AUGER MINES-----	-	-	9	1.90	3	.63	12	2.53	622	949,145	4,637,229
OTHER SURFACE MINES-----	-	-	9	3.39	3	1.13	12	4.52	323	530,880	1,460,015
TOTAL, SURFACE MINES-----	4	.01	411	1.11	202	.55	617	1.67	33,090	73,733,268	747,462,926
TOTAL, PRODUCTION MINING--	14	.02	2,382	2.57	1,231	1.33	3,627	3.92	81,243	185,270,384	1,092,703,270
PREPARATION PLANTS-----	-	-	147	1.53	77	.80	224	2.33	8,207	19,240,930	-
INDEPENDENT SHOPS/YARDS-----	-	-	12	1.84	4	.61	16	2.45	529	1,305,417	-
TOTAL, OTHER OPERATIONS--	-	-	159	1.55	81	.79	240	2.34	8,736	20,546,347	-
TOTAL, BITUMINOUS MINING--	14	.01	2,541	2.47	1,312	1.27	3,867	3.76	89,979	205,816,731	1,092,703,270
<b>PENNSYLVANIA ANTHRACITE COAL:</b>											
<b>UNDERGROUND MINES:</b>											
UNDERGROUND-----	-	-	12	21.82	-	-	12	21.82	72	110,012	166,383
SURFACE-----	-	-	1	7.98	-	-	1	7.98	16	25,064	-
TOTAL, UNDERGROUND MINES--	-	-	13	19.25	-	-	13	19.25	88	135,076	166,383
<b>SURFACE MINES:</b>											
STRIP MINES-----	-	-	20	4.01	4	.80	24	4.82	491	996,541	2,033,374
CULM BANK-----	-	-	-	-	-	-	-	-	152	296,681	34,968
DREDGE-----	-	-	-	-	-	-	-	-	-	-	-
TOTAL, SURFACE MINES-----	-	-	20	3.09	4	.62	24	3.71	643	1,293,222	2,068,342
TOTAL, PRODUCTION MINING--	-	-	33	4.62	4	.56	37	5.18	731	1,428,298	2,234,725
PREPARATION PLANTS-----	-	-	13	3.28	6	1.52	19	4.80	382	791,700	-
INDEPENDENT SHOPS/YARDS-----	-	-	-	-	-	-	-	-	-	-	-
TOTAL, OTHER OPERATIONS--	-	-	13	3.28	6	1.52	19	4.80	382	791,700	-
TOTAL, ANTHRACITE MINING--	-	-	46	4.14	10	.90	56	5.05	1,113	2,219,998	2,234,725
<b>ALL COAL:</b>											
<b>UNDERGROUND MINES:</b>											
UNDERGROUND-----	9	.02	1,896	3.60	968	1.84	2,873	5.46	45,165	105,295,854	345,406,727
SURFACE-----	1	.03	88	2.76	61	1.91	150	4.70	3,076	6,376,338	-
TOTAL, UNDERGROUND MINES--	10	.02	1,984	3.55	1,029	1.84	3,023	5.41	48,241	111,672,192	345,406,727
<b>SURFACE MINES:</b>											
STRIP MINES-----	4	.01	413	1.13	200	.55	617	1.68	32,636	73,249,784	743,399,056
AUGER MINES-----	-	-	9	1.90	3	.63	12	2.53	622	949,145	4,637,229
CULM BANK-----	-	-	2	.51	2	.51	4	1.02	454	787,369	1,030,661
DREDGE-----	-	-	7	34.83	1	4.98	8	39.81	21	40,192	464,322
TOTAL, SURFACE MINES-----	4	.01	431	1.15	206	.55	641	1.71	33,733	75,026,490	749,531,268
TOTAL, PRODUCTION MINING--	14	.02	2,415	2.59	1,235	1.32	3,664	3.93	81,974	186,698,682	1,094,937,995
PREPARATION PLANTS-----	-	-	160	1.60	83	.83	243	2.43	8,589	20,032,630	-
INDEPENDENT SHOPS/YARDS-----	-	-	12	1.84	4	.61	16	2.45	529	1,305,417	-
TOTAL, OTHER OPERATIONS--	-	-	172	1.61	87	.82	259	2.43	9,118	21,338,047	-
TOTAL, ALL COAL-----	14	.01	2,587	2.49	1,322	1.27	3,923	3.77	91,092	208,036,729	1,094,937,995
<b>OFFICEWORKERS:</b>											
<b>BITUMINOUS</b>											
BITUMINOUS-----	-	-	3	.09	2	.06	5	.14	3,522	6,955,398	-
<b>ANTHRACITE</b>											
ANTHRACITE-----	-	-	-	-	-	-	-	-	115	187,152	-
TOTAL, OFFICEWORKERS-----	-	-	3	.08	2	.06	5	.14	3,637	7,142,550	-
GRAND TOTAL-----	14	.01	2,590	2.41	1,324	1.23	3,928	3.65	94,729	215,179,279	1,094,937,995

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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, 2011

WORK LOCATION AND MINERAL INDUSTRY	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE		NDL INCIDENCE RATE	ALL OCCURENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS
UNDERGROUND MINES:										
METAL-----	3	.04	187	2.55	104	1.42	294	4.01	7,199	14,675,614
NONMETAL-----	-	-	90	2.77	40	1.23	130	4.01	3,111	6,487,060
STONE-----	1	.04	49	2.07	25	1.06	75	3.17	2,249	4,724,529
TOTAL, UNDERGROUND MINES--	4	.03	326	2.52	169	1.31	499	3.86	12,559	25,887,203
SURFACE MINES:										
METAL-----	-	-	199	1.27	84	.54	283	1.80	14,572	31,380,394
NONMETAL-----	-	-	55	1.41	30	.77	85	2.18	4,061	7,799,687
STONE-----	3	.01	492	2.02	217	.89	712	2.93	27,423	48,677,841
SUBTOTAL, SURFACE MINES--	3	.01	746	1.70	331	.75	1,080	2.46	46,056	87,857,922
SAND AND GRAVEL-----	3	.01	371	1.57	216	.91	590	2.50	29,773	47,280,230
TOTAL, SURFACE MINES-----	6	.01	1,117	1.65	547	.81	1,670	2.47	75,829	135,138,152
TOTAL, MINES-----	10	.01	1,443	1.79	716	.89	2,169	2.69	88,388	161,025,355
MILLS:										
METAL-----	1	.01	249	1.73	155	1.08	405	2.82	13,434	28,730,125
NONMETAL-----	-	-	173	1.56	93	.84	266	2.40	10,615	22,180,937
STONE-----	1	(*)	569	2.10	293	1.08	863	3.19	26,867	54,152,549
TOTAL, MILLS-----	2	(*)	991	1.89	541	1.03	1,534	2.92	50,916	105,063,611
INDEPENDENT SHOPS AND YARDS:										
METAL-----	-	-	3	1.05	2	.70	5	1.74	263	573,630
NONMETAL-----	-	-	-	-	-	-	-	-	-	-
STONE-----	-	-	5	2.89	3	1.73	8	4.62	201	346,236
TOTAL, SHOPS AND YARDS---	-	-	8	1.74	5	1.09	13	2.83	464	919,866
ALL MINES, MILLS AND SHOPS:										
METAL-----	4	.01	638	1.69	345	.92	987	2.62	35,468	75,359,763
NONMETAL-----	-	-	318	1.74	163	.89	481	2.64	17,787	36,467,684
STONE-----	5	.01	1,115	2.07	538	1.00	1,658	3.07	56,740	107,901,155
SUBTOTAL-----	9	.01	2,071	1.89	1,046	.95	3,126	2.85	109,995	219,728,602
SAND AND GRAVEL-----	3	.01	371	1.57	216	.91	590	2.50	29,773	47,280,230
TOTAL, MINES/MILLS/SHOPS--	12	.01	2,442	1.83	1,262	.95	3,716	2.78	139,768	267,008,832
OFFICEWORKERS:										
METAL-----	-	-	7	.15	4	.08	11	.23	4,885	9,513,902
NONMETAL-----	-	-	2	.06	5	.16	7	.22	3,347	6,369,938
STONE-----	-	-	11	.12	7	.08	18	.19	10,243	18,582,781
SAND AND GRAVEL-----	-	-	8	.22	2	.06	10	.28	6,358	7,215,185
TOTAL, OFFICEWORKERS-----	-	-	28	.13	18	.09	46	.22	24,833	41,681,806
SUMMARY TOTAL (INCLUDES OFFICEWORKERS):										
METAL-----	4	.01	645	1.52	349	.82	998	2.35	40,353	84,873,665
NONMETAL-----	-	-	320	1.49	168	.78	488	2.28	21,134	42,837,622
STONE-----	5	.01	1,126	1.78	545	.86	1,676	2.65	66,983	126,483,936
SUBTOTAL-----	9	.01	2,091	1.65	1,062	.84	3,162	2.49	128,470	254,195,223
SAND AND GRAVEL-----	3	.01	379	1.39	218	.80	600	2.20	36,131	54,495,415
GRAND TOTAL-----	12	.01	2,470	1.60	1,280	.83	3,762	2.44	164,601	308,690,638

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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, 2011

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-----	-	-	-	-	-	-	-	-	-	5	8,267	-	-	-	17	37,589	
NONMETAL-----	-	-	-	-	-	-	-	-	-	54	77,908	-	1	1	188	402,309	
STONE-----	-	-	-	8	11,777	-	6	3	687	1,480,625	-	-	-	1,477	3,146,919		
SAND AND GRAVEL--	-	-	-	-	-	-	2	1	434	873,311	-	-	-	-	-		
TOTAL-----	-	-	-	8	11,777	-	8	4	1,180	2,440,111	-	-	-	1,682	3,586,817		
COAL-----	-	161	58	2,766	6,600,295	10,878,707	-	36	10	1,524	3,751,625	8,502,302	-	8	3	427	1,010,483
ALASKA																	
METAL-----	1	25	5	616	1,533,581	-	-	4	5	611	1,492,285	-	1	7	6	449	1,226,924
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE-----	-	-	-	-	-	-	-	3	1	125	133,017	-	-	-	-	3	650
SAND AND GRAVEL--	-	-	-	-	-	-	-	-	-	364	289,598	-	-	-	-	-	-
TOTAL-----	1	25	5	616	1,533,581	-	-	7	6	1,100	1,914,900	-	1	7	6	452	1,227,574
COAL-----	-	-	-	-	-	-	-	8	-	115	282,159	2,148,926	-	-	-	6	16,847
ARIZONA																	
METAL-----	-	11	7	263	459,024	-	-	72	15	3,960	8,466,305	-	-	50	46	3,215	7,011,859
NONMETAL-----	-	-	-	-	-	-	-	-	1	60	90,428	-	-	-	-	12	21,418
STONE-----	-	-	-	-	-	-	-	16	6	508	795,998	-	-	7	2	272	473,122
SAND AND GRAVEL--	-	-	-	-	-	-	-	16	7	1,267	1,981,802	-	-	-	-	-	-
TOTAL-----	-	11	7	263	459,024	-	-	104	29	5,795	11,334,533	-	-	57	48	3,499	7,506,399
COAL-----	-	-	-	-	-	-	-	4	3	330	749,850	8,110,942	-	-	-	77	186,385
ARKANSAS																	
METAL-----	-	-	-	-	-	-	-	-	-	17	33,917	-	-	3	2	383	833,135
NONMETAL-----	-	-	-	-	-	-	-	1	-	52	65,477	-	-	-	-	6	13,326
STONE-----	-	1	3	26	63,503	-	-	11	8	877	1,531,503	-	-	5	12	485	1,004,280
SAND AND GRAVEL--	-	-	-	-	-	-	-	8	8	517	1,036,943	-	-	-	-	-	-
TOTAL-----	-	1	3	26	63,503	-	-	20	16	1,463	2,667,840	-	-	8	14	874	1,850,741
COAL-----	-	11	-	55	153,207	126,628	-	-	-	3	5,072	6,719	-	-	-	6	17,323
CALIFORNIA																	
METAL-----	-	3	1	52	65,851	-	-	8	3	316	675,678	-	-	1	3	236	514,576
NONMETAL-----	-	-	-	7	2,886	-	-	5	3	400	771,904	-	-	7	5	705	1,350,441
STONE-----	-	-	-	-	-	-	-	25	5	938	1,632,090	-	-	37	10	1,198	2,390,413
SAND AND GRAVEL--	-	-	-	-	-	-	-	45	16	2,532	4,667,128	-	-	-	-	-	-
TOTAL-----	-	3	1	59	68,737	-	-	83	27	4,186	7,746,800	-	-	45	18	2,139	4,255,430
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, 2011 - 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-----	-	8	3	468	881,926	-	6	4	415	709,370	-	9	4	302	634,171	-	-	-	-	-		
NONMETAL-----	-	-	-	-	-	-	2	1	63	95,964	-	-	-	4	7,768	-	-	-	-	-		
STONE-----	-	-	-	10	20,451	-	15	3	352	617,044	-	2	3	323	602,518	-	-	-	-	-		
SAND AND GRAVEL--	-	-	-	-	-	-	10	5	989	1,410,706	-	-	-	-	-	-	-	-	-	-		
TOTAL-----	-	8	3	478	902,377	-	33	13	1,819	2,833,084	-	11	7	629	1,244,457	-	-	-	-	-		
COAL-----	-	44	22	1,739	3,570,975	21,507,613	-	2	3	408	805,332	5,382,019	-	-	-	126	254,762	-	-	-	-	-
CONNECTICUT																						
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
STONE-----	-	-	-	-	-	-	1	1	265	442,464	-	4	-	132	244,230	-	-	-	-	-		
SAND AND GRAVEL--	-	-	-	-	-	-	2	1	212	303,975	-	-	-	-	-	-	-	-	-	-		
TOTAL-----	-	-	-	-	-	-	3	2	477	746,439	-	4	-	132	244,230	-	-	-	-	-		
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
DELAWARE																						
METAL-----	-	-	-	-	-	-	-	-	-	-	-	1	-	37	70,565	-	-	-	-	-		
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
STONE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SAND AND GRAVEL--	-	-	-	-	-	-	1	1	38	76,042	-	-	-	-	-	-	-	-	-	-		
TOTAL-----	-	-	-	-	-	-	1	1	38	76,042	-	1	-	37	70,565	-	-	-	-	-		
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
FLORIDA																						
METAL-----	-	-	-	-	-	-	3	-	41	86,283	-	-	-	41	89,141	-	-	-	-	-		
NONMETAL-----	-	-	-	-	-	-	14	9	993	2,218,352	-	7	1	655	1,426,072	-	-	-	-	-		
STONE-----	-	-	-	-	-	-	15	6	821	1,650,071	-	13	9	882	1,864,031	-	-	-	-	-		
SAND AND GRAVEL--	-	-	-	-	-	-	1	1	282	549,914	-	-	-	-	-	-	-	-	-	-		
TOTAL-----	-	-	-	-	-	-	33	16	2,137	4,504,620	-	20	10	1,578	3,379,244	-	-	-	-	-		
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
GEORGIA																						
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL-----	-	-	-	-	-	-	-	-	145	304,782	-	25	4	2,043	4,268,293	-	-	-	-	-		
STONE-----	-	3	4	88	171,098	-	17	6	772	1,465,438	-	11	3	957	1,951,927	-	-	-	-	-		
SAND AND GRAVEL--	-	-	-	-	-	-	4	-	270	501,797	-	-	-	-	-	-	-	-	-	-		
TOTAL-----	-	3	4	88	171,098	-	21	6	1,187	2,272,017	-	36	7	3,000	6,220,220	-	-	-	-	-		
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, 2011 - 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-----	-	-	-	-	-	-	9	3	247	447,610	-	-	-	-	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	1	1	76	62,930	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	10	4	323	510,540	-	-	-	-	-	-	
COAL-----																	
IDAHO																	
METAL-----	1	25	12	488	941,855	-	6	2	242	514,773	-	5	5	219	423,051		
NONMETAL-----	-	-	-	-	-	-	4	2	286	590,294	-	2	5	107	182,639		
STONE-----	-	-	-	-	-	-	1	-	242	293,202	-	2	1	45	74,883		
SAND AND GRAVEL--	-	-	-	-	-	1	1	3	611	600,236	-	-	-	-	-	-	
TOTAL-----	1	25	12	488	941,855	1	12	7	1,381	1,998,505	-	9	11	371	680,573		
COAL-----																	
ILLINOIS																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	2	-	19	34,523	
NONMETAL-----	-	-	-	-	-	-	1	-	13	26,777	-	2	-	88	190,051		
STONE-----	-	5	1	184	423,374	-	11	8	684	1,349,777	-	13	15	1,070	2,223,444		
SAND AND GRAVEL--	-	-	-	-	-	-	1	4	451	737,920	-	-	-	-	-	-	
TOTAL-----	-	5	1	184	423,374	-	13	12	1,148	2,114,474	-	17	15	1,177	2,448,018		
COAL-----	-	134	106	3,141	6,990,006	-	6	2	458	1,081,399	-	12	10	463	998,074		
INDIANA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	1	33	64,216	-	3	-	25	27,317	-	2	-	42	101,245		
STONE-----	-	1	-	106	216,652	-	23	3	554	1,062,908	-	24	17	1,159	2,399,871		
SAND AND GRAVEL--	-	-	-	-	-	-	8	9	546	1,014,287	-	-	-	-	-	-	
TOTAL-----	-	1	1	139	280,868	-	34	12	1,125	2,104,512	-	26	17	1,201	2,501,116		
COAL-----	-	53	43	1,645	4,187,792	-	19	6	1,421	3,342,636	-	11	-	465	1,174,285		
IOWA																	
METAL-----	-	-	-	-	-	-	-	-	13	20,437	-	-	-	-	-	-	
NONMETAL-----	-	16	3	107	223,670	-	-	-	33	50,506	-	-	-	74	152,948		
STONE-----	-	-	2	230	468,014	1	11	3	987	1,682,244	-	16	7	446	905,729		
SAND AND GRAVEL--	-	-	-	-	-	-	7	1	576	799,731	-	-	-	-	-	-	
TOTAL-----	-	16	5	337	691,684	1	18	4	1,609	2,552,918	-	16	7	520	1,058,677		
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, 2011 - 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-----	-	2	3	104	214,355	-	-	-	21	24,462	-	-	118	230,768	-		
STONE-----	-	-	-	26	23,224	-	13	9	622	1,062,979	-	-	368	714,573	-		
SAND AND GRAVEL--	-	-	-	-	-	-	7	4	306	466,695	-	-	-	-	-		
TOTAL-----	-	2	3	130	237,579	-	20	13	949	1,554,136	-	-	486	945,341	-		
COAL-----	-	-	-	-	-	-	-	-	8	18,812	37,257	-	-	-	-		
KENTUCKY																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL-----	-	-	-	11	8,942	-	1	-	30	44,639	-	-	38	75,062	-		
STONE-----	-	8	1	464	931,936	-	5	5	672	1,269,702	-	-	1,041	2,058,313	-		
SAND AND GRAVEL--	-	-	-	-	-	-	-	2	136	238,295	-	-	-	-	-		
TOTAL-----	-	8	1	475	940,878	-	6	7	838	1,552,636	-	-	1,079	2,133,375	-		
COAL-----	5	410	317	10,667	25,148,170	65,190,149	1	121	34	5,843	13,286,605	43,366,465	-	37	16	2,047	4,824,011
LOUISIANA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL-----	-	11	4	392	852,494	-	-	-	6	6,579	-	-	540	886,577	-		
STONE-----	-	-	-	-	-	-	-	-	15	24,105	-	-	308	560,810	-		
SAND AND GRAVEL--	-	-	-	-	-	-	-	2	612	1,221,349	-	-	7	8,893	-		
TOTAL-----	-	11	4	392	852,494	-	8	2	633	1,252,033	-	-	855	1,456,280	-		
COAL-----	-	-	-	-	-	-	-	1	1	259	548,751	3,864,700	-	-	-	-	
MAINE																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL-----	-	-	-	2	3,682	-	-	-	2	55	-	-	-	-	-		
STONE-----	-	-	-	-	-	-	-	1	178	203,323	-	-	82	174,033	-		
SAND AND GRAVEL--	-	-	-	-	-	-	-	1	436	495,570	-	-	-	-	-		
TOTAL-----	-	-	-	2	3,682	-	8	2	616	698,948	-	-	82	174,033	-		
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MARYLAND																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL-----	-	-	-	-	-	-	-	-	2	23	-	-	-	-	-		
STONE-----	-	-	-	6	10,512	-	5	1	250	488,086	-	-	442	1,008,536	-		
SAND AND GRAVEL--	-	-	-	-	-	-	8	3	221	437,174	-	-	-	-	-		
TOTAL-----	-	-	-	6	10,512	-	13	4	473	925,283	-	-	442	1,008,536	-		
COAL-----	-	9	1	146	311,838	872,648	-	5	4	313	670,656	2,064,110	-	4	1	50	127,952

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, 2011 - 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-----	-	-	-	-	-	-	-	-	14	26,319	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	9	5	337	576,729	-	-	-	-	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	1	-	314	403,320	-	-	-	250	449,470	-	
TOTAL-----	-	-	-	-	-	-	10	5	665	1,006,368	-	-	-	250	449,470	-	
COAL-----																	
MI CHIGAN																	
METAL-----	-	-	-	4	344	-	6	3	703	1,578,352	-	14	18	778	1,880,064	-	
NONMETAL-----	-	-	-	37	116,775	-	-	-	22	37,195	-	-	-	1	1,957	-	
STONE-----	-	-	-	-	-	-	9	5	269	495,448	-	7	6	542	1,166,205	-	
SAND AND GRAVEL--	-	-	-	-	-	-	11	5	1,124	1,446,653	-	-	-	-	-	-	
TOTAL-----	-	-	-	41	117,119	-	26	13	2,118	3,557,648	-	21	24	1,321	3,048,226	-	
COAL-----																	
MI NESOTA																	
METAL-----	-	-	-	-	-	-	18	15	1,903	3,971,636	-	24	19	1,930	4,023,005	-	
NONMETAL-----	-	-	-	-	-	-	-	-	2	405	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	1	5	3	350	581,502	-	3	2	131	326,766	-	
SAND AND GRAVEL--	-	-	-	-	-	1	6	11	1,263	1,503,010	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	2	29	29	3,518	6,056,553	-	27	21	2,061	4,349,771	-	
COAL-----																	
MI SSI SSI PPI																	
METAL-----	-	-	-	-	-	-	-	-	9	16,218	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	8	16,327	-	4	1	270	576,874	-	
STONE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	3	7,457	-	
SAND AND GRAVEL--	-	-	-	-	-	-	10	5	486	867,704	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	10	5	503	900,249	-	4	1	273	584,331	-	
COAL-----	-	-	-	-	-	-	1	3	233	468,326	2,746,744	-	-	-	-	-	
MI SSOURI																	
METAL-----	-	8	9	602	1,314,241	-	-	-	3	1,902	-	-	-	108	215,746	-	
NONMETAL-----	-	-	-	-	-	-	-	-	66	95,939	-	5	2	263	588,010	-	
STONE-----	-	6	1	297	669,026	-	18	12	1,234	2,239,749	-	48	19	2,114	4,098,060	-	
SAND AND GRAVEL--	-	-	-	-	-	-	6	7	414	728,520	-	-	-	-	-	-	
TOTAL-----	-	14	10	899	1,983,267	-	24	19	1,717	3,066,110	-	53	22	2,485	4,901,816	-	
COAL-----	-	-	-	-	-	-	-	-	26	67,794	464,738	-	-	-	-	-	

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, 2011 - 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-----	1	26	24	1,356	2,625,375	-	4	2	338	663,715	-	3	5	421	835,813		
NONMETAL-----	-	-	-	1	480	-	-	-	45	74,321	-	1	2	134	265,629		
STONE-----	-	-	-	-	-	-	7	4	220	253,647	-	-	-	-	-		
SAND AND GRAVEL--	-	-	-	-	-	-	4	5	610	534,081	-	2	6	139	261,751		
TOTAL-----	1	26	24	1,357	2,625,855	-	15	11	1,213	1,525,764	-	6	13	694	1,363,193		
COAL-----	-	5	1	222	545,437	5,135,570	-	5	4	863	1,689,063	36,872,668	-	-	-	94	193,553
NEBRASKA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	4	1,290	-	-	-	-	-		
STONE-----	-	1	2	88	237,188	-	2	1	87	165,412	-	6	2	174	371,798		
SAND AND GRAVEL--	-	-	-	-	-	-	9	5	568	944,969	-	-	-	-	-		
TOTAL-----	-	1	2	88	237,188	-	11	6	659	1,111,671	-	6	2	174	371,798		
COAL-----																	
NEVADA																	
METAL-----	-	38	22	2,238	4,602,915	-	45	25	4,277	9,394,433	-	30	19	2,390	4,959,612		
NONMETAL-----	-	-	-	4	6,790	-	3	1	148	272,323	-	8	16	502	1,026,238		
STONE-----	-	-	-	-	-	-	1	1	122	223,614	-	-	-	-	-		
SAND AND GRAVEL--	-	-	-	-	-	-	6	1	572	794,618	-	5	2	207	426,506		
TOTAL-----	-	38	22	2,242	4,609,705	-	55	28	5,119	10,684,988	-	43	37	3,099	6,412,356		
COAL-----																	
NEW HAMPSHIRE																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	4	1	171	278,300	-	2	-	31	60,834		
SAND AND GRAVEL--	-	-	-	-	-	-	3	1	327	417,384	-	-	-	-	-		
TOTAL-----	-	-	-	-	-	-	7	2	498	695,684	-	2	-	31	60,834		
COAL-----																	
NEW JERSEY																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	11	4	266	581,573	-	3	-	40	72,735		
SAND AND GRAVEL--	-	-	-	-	-	-	12	3	410	798,623	-	2	2	169	370,449		
TOTAL-----	-	-	-	-	-	-	23	7	676	1,380,196	-	5	2	209	443,184		
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, 2011 - 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-----	-	7	10	166	344,694	-	17	2	632	1,351,415	-	7	3	412	784,178		
NONMETAL-----	-	25	9	662	1,381,867	-	-	1	101	164,553	-	11	4	503	1,038,172		
STONE-----	-	-	-	-	-	-	1	-	271	446,089	-	1	1	68	123,443		
SAND AND GRAVEL--	-	-	-	-	-	-	5	1	483	646,310	-	-	-	-	-		
TOTAL-----	-	32	19	828	1,726,561	-	23	4	1,487	2,608,367	-	19	8	983	1,945,793		
COAL-----	-	10	3	393	751,052	3,983,025	-	15	2	827	1,709,903	17,939,432	-	1	-	66	134,116
NEW YORK																	
METAL-----	-	-	-	7	9,465	-	1	-	21	43,013	-	1	-	42	94,753		
NONMETAL-----	-	3	3	429	853,616	-	-	1	35	56,506	-	6	-	149	309,832		
STONE-----	-	1	1	20	46,402	-	15	9	853	1,381,382	-	7	9	721	1,452,265		
SAND AND GRAVEL--	-	-	-	-	-	-	1	11	5	1,242	1,710,959	-	-	-	-	-	
TOTAL-----	-	4	4	456	909,483	-	1	27	15	2,151	3,191,860	-	14	9	912	1,856,850	
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA																	
METAL-----	-	-	-	-	-	-	-	-	1	2,048	-	-	-	8	13,072		
NONMETAL-----	-	-	-	-	-	-	-	2	320	655,128	-	8	2	515	1,090,886		
STONE-----	-	-	-	-	-	-	-	15	919	1,699,232	-	7	7	745	1,435,603		
SAND AND GRAVEL--	-	-	-	-	-	-	-	3	644	1,042,464	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	-	20	11	1,884	3,398,872	-	15	9	1,268	2,539,561	
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DAKOTA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL-----	-	-	-	-	-	-	-	-	1	639	-	-	-	25	51,561		
STONE-----	-	-	-	-	-	-	-	-	20	25,338	-	-	-	-	-	-	-
SAND AND GRAVEL--	-	-	-	-	-	-	-	5	2	650	864,750	-	-	-	-	-	-
TOTAL-----	-	-	-	-	-	-	-	5	2	671	890,727	-	-	-	25	51,561	
COAL-----	-	-	-	-	-	-	-	6	8	1,151	2,302,582	28,231,419	-	-	-	9	16,236
OHIO																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL-----	-	5	3	303	640,325	-	-	2	79	108,656	-	1	-	59	119,206		
STONE-----	1	2	5	116	172,387	-	-	9	575	1,117,242	-	15	9	972	1,994,960		
SAND AND GRAVEL--	-	-	-	-	-	-	-	8	11	918	1,716,823	-	-	-	-	-	-
TOTAL-----	1	7	8	419	812,712	-	-	13	22	1,572	2,942,721	-	-	-	1,031	2,114,166	
COAL-----	1	53	28	1,638	3,822,159	18,971,510	1	14	6	998	2,377,795	9,192,325	-	2	3	390	921,881

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, 2011 - 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	2	164	334,408	-	-	-	17	37,989	-	
STONE-----	-	2	-	39	48,951	-	10	6	1,158	2,214,546	-	-	-	714	1,454,223	-	
SAND AND GRAVEL--	-	-	-	-	-	-	5	1	357	701,514	-	-	-	-	-	-	
TOTAL-----	-	2	-	39	48,951	-	16	9	1,679	3,250,468	-	-	-	731	1,492,212	-	
COAL-----	-	2	1	56	138,899	408,358	-	4	2	133	331,051	736,307	-	-	-	2	4,971
OREGON																	
METAL-----	-	-	-	2	260	-	-	1	23	9,158	-	-	-	63	86,738	-	
NONMETAL-----	-	-	-	-	-	-	-	-	42	42,936	-	-	-	89	161,934	-	
STONE-----	-	-	-	-	-	-	-	9	690	903,033	-	-	-	84	144,689	-	
SAND AND GRAVEL--	-	-	-	-	-	-	11	2	438	592,788	-	-	-	-	-	-	
TOTAL-----	-	-	-	2	260	-	20	3	1,193	1,547,915	-	-	-	236	393,361	-	
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PENNSYLVANIA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6,859	-	
NONMETAL-----	-	-	-	-	-	-	-	-	15	15,234	-	-	-	59	131,799	-	
STONE-----	-	12	2	286	643,762	-	58	28	2,479	4,298,145	-	-	-	2,079	4,198,281	-	
SAND AND GRAVEL--	-	-	-	-	-	-	9	7	516	935,911	-	-	-	-	-	-	
TOTAL-----	-	12	2	286	643,762	-	67	35	3,010	5,249,290	-	-	-	2,142	4,336,939	-	
COAL-ANTHRACITE--	-	13	-	88	135,076	166,383	-	20	4	643	1,293,222	2,068,342	-	13	6	382	791,700
BITUMINOUS--	-	190	90	4,698	11,019,564	42,766,054	-	32	11	1,801	3,876,731	10,397,051	-	13	2	704	1,590,483
PUERTO RICO																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	-	8	463	692,257	-	-	-	613	722,930	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	5	164	238,520	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	-	13	627	930,777	-	-	-	613	722,930	-	
COAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHODE ISLAND																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	-	-	42	66,789	-	-	-	11	11,516	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	3	95	162,552	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	-	3	137	229,341	-	-	-	11	11,516	-	
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, 2011 - 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-----	-	-	-	-	-	-	3	-	98	220,270	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	1	1	50	56,080	-	1	3	141	266,107	-	
STONE-----	-	-	-	-	-	-	5	2	243	485,032	-	5	2	484	986,948	-	
SAND AND GRAVEL--	-	-	-	-	-	-	3	2	238	432,319	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	12	5	629	1,193,701	-	6	5	625	1,253,055	-	
COAL-----																	
SOUTH DAKOTA																	
METAL-----	-	-	-	-	-	-	4	3	110	232,435	-	-	-	33	62,999	-	
NONMETAL-----	-	-	-	-	-	-	-	-	8	4,919	-	1	-	62	99,070	-	
STONE-----	-	-	-	-	-	-	7	2	218	412,092	-	3	3	154	322,007	-	
SAND AND GRAVEL--	-	-	-	-	-	-	8	5	426	578,185	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	19	10	762	1,227,631	-	4	3	249	484,076	-	
COAL-----																	
TENNESSEE																	
METAL-----	-	29	9	616	1,346,878	-	-	-	24	80,856	-	6	1	105	234,993	-	
NONMETAL-----	-	-	-	-	-	-	1	1	65	105,683	-	8	4	206	406,779	-	
STONE-----	-	1	1	86	185,770	-	5	4	904	1,532,076	-	15	9	807	1,599,176	-	
SAND AND GRAVEL--	-	-	-	-	-	-	7	1	267	523,066	-	-	-	-	-	-	
TOTAL-----	-	30	10	702	1,532,648	-	13	6	1,260	2,241,681	-	29	14	1,118	2,240,948	-	
COAL-----	-	13	4	185	365,865	422,651	-	3	320	667,335	1,082,660	-	-	2	49	109,197	
Texas																	
METAL-----	-	3	-	35	52,323	-	-	-	7	11,299	-	65	10	975	2,313,622	-	
NONMETAL-----	-	4	2	48	113,785	-	3	1	266	464,377	-	14	3	724	1,570,731	-	
STONE-----	-	-	-	13	26,223	-	42	16	3,114	5,917,606	-	59	19	2,237	4,880,973	-	
SAND AND GRAVEL--	-	-	-	-	-	-	42	20	2,417	5,403,422	-	-	-	-	-	-	
TOTAL-----	-	7	2	96	192,331	-	87	37	5,804	11,796,704	-	138	32	3,936	8,765,326	-	
COAL-----	-	-	-	-	-	-	30	19	2,820	6,090,703	45,903,597	-	-	-	6	13,032	
UTAH																	
METAL-----	-	2	-	122	178,007	-	3	6	1,052	2,339,920	-	4	6	568	1,129,186	-	
NONMETAL-----	-	9	3	152	302,506	-	2	-	109	198,560	-	-	1	244	464,794	-	
STONE-----	-	-	-	-	-	-	1	2	218	318,464	-	1	4	199	336,373	-	
SAND AND GRAVEL--	-	-	-	-	-	-	9	11	981	1,399,915	-	-	-	-	-	-	
TOTAL-----	-	11	3	274	480,513	-	16	21	2,360	4,256,859	-	5	11	1,011	1,930,353	-	
COAL-----	-	49	30	1,615	3,468,472	19,648,020	-	-	8	19,779	-	-	1	4	111	206,098	

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, 2011 - 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-----	-	-	-	-	-	-	-	-	4	7,664	-	-	-	14	29,851	-	
STONE-----	-	-	-	25	57,281	-	9	2	343	527,361	-	-	-	301	552,929	-	
SAND AND GRAVEL--	-	-	-	-	-	-	1	2	212	222,410	-	-	-	-	-	-	
TOTAL-----	-	-	-	25	57,281	-	10	2	559	757,435	-	-	-	315	582,780	-	
COAL-----																	
VIRGIN ISLANDS																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE-----	-	-	-	-	-	-	-	-	40	86,025	-	-	-	-	-	-	
SAND AND GRAVEL--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL-----	-	-	-	-	-	-	-	-	40	86,025	-	-	-	-	-	-	
COAL-----																	
VIRGINIA																	
METAL-----	-	-	-	-	-	-	2	-	23	46,257	-	-	-	86	207,353	-	
NONMETAL-----	-	-	-	3	1,432	-	2	-	46	74,668	-	-	293	651,792	-		
STONE-----	-	2	-	44	73,906	-	16	11	693	1,415,745	-	-	1,147	2,496,791	-		
SAND AND GRAVEL--	-	-	-	-	-	-	6	-	219	419,682	-	-	-	-	-	-	
TOTAL-----	-	2	-	47	75,338	-	26	11	981	1,956,352	-	-	1,526	3,355,936	-		
COAL-----	-	116	47	3,318	7,807,972	15,431,101	1	17	4	1,384	3,105,315	7,130,799	-	640	1,550,840	-	
WASHINGTON																	
METAL-----	-	2	2	164	318,875	-	-	-	-	-	-	-	39	93,349	-		
NONMETAL-----	-	-	-	-	-	-	2	1	30	61,660	-	-	65	141,526	-		
STONE-----	-	-	-	-	-	-	4	1	442	583,383	-	-	267	441,620	-		
SAND AND GRAVEL--	-	-	-	-	-	-	11	15	915	1,343,763	-	-	-	-	-		
TOTAL-----	-	2	2	164	318,875	-	17	17	1,387	1,988,806	-	-	371	676,495	-		
COAL-----	-	-	-	-	-	-	1	-	58	110,474	-	-	-	-	-		
WEST VIRGINIA																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	14	26,672	-		
NONMETAL-----	-	-	-	-	-	-	-	-	-	-	-	-	27	62,685	-		
STONE-----	-	4	-	69	172,893	-	4	1	164	337,431	-	-	430	822,617	-		
SAND AND GRAVEL--	-	-	-	-	-	-	-	-	14	23,657	-	-	-	-	-		
TOTAL-----	-	4	-	69	172,893	-	4	1	178	361,088	-	-	471	911,974	-		
COAL-----	4	708	274	15,635	36,088,069	87,705,847	1	61	50	5,725	13,714,528	51,202,227	-	2,360	5,664,349	-	

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, 2011 - 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-----	-	-	2	22	57,276	-	-	-	23	51,724	-	-	5	114	266,506		
STONE-----	-	-	2	18	50,199	-	20	12	768	1,294,445	-	16	13	535	1,061,684		
SAND AND GRAVEL--	-	-	-	-	-	-	8	6	1,141	1,523,621	-	-	-	-	-		
TOTAL-----	-	-	4	40	107,475	-	28	18	1,932	2,869,790	-	16	18	649	1,328,190		
COAL-----																	
WYOMING																	
METAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL-----	-	15	7	794	1,641,963	-	7	3	208	476,815	-	33	19	1,711	3,765,124		
STONE-----	-	-	-	-	-	-	3	2	147	225,877	-	4	1	124	274,893		
SAND AND GRAVEL--	-	-	-	-	-	-	11	5	472	593,314	-	-	-	-	-		
TOTAL-----	-	15	7	794	1,641,963	-	21	10	827	1,296,006	-	37	20	1,835	4,040,017		
COAL-----	-	3	4	234	567,344	3,043,110	-	32	33	6,590	13,964,409	435,630,278	-	-	1	109	226,052
NATION																	
METAL-----	3	187	104	7,199	14,675,614	-	202	86	14,835	31,954,024	-	1	249	155	13,434	28,730,125	
NONMETAL-----	-	90	40	3,111	6,487,060	-	55	30	4,061	7,799,687	-	173	93	10,615	22,180,937		
STONE-----	1	49	25	2,249	4,724,529	-	497	220	27,624	49,024,077	-	1	569	293	26,867	54,152,549	
SAND AND GRAVEL--	-	-	-	-	-	-	3	216	29,773	47,280,230	-	-	-	-	-		
TOTAL-----	4	326	169	12,559	25,887,203	-	6	1,125	552	76,293	136,058,018	-	2	991	541	50,916	105,063,611
COAL-----	10	1,984	1,029	48,241	111,672,192	345,406,727	4	443	210	34,262	76,331,907	749,531,268	-	160	83	8,589	20,032,630

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

JANUARY - DECEMBER, 2011

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-----	-	16	8	-	4	1	-	1	-	-	2	-	-	2	-	-	4	1
ENTRAPMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSELS	-	4	1	-	2	-	-	-	-	-	1	-	-	-	1	-	2	-
UNDER PRESSURE-----	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
EXPLOSIVES AND BREAKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AGENTS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	1	3	4	-	1	-	-	-	-	-	3	-	-	-	-	-	2	-
SLIDING MATERIAL-----	2	71	18	1	1	1	-	-	-	-	12	1	-	-	1	-	-	-
FALL OF FACE, RIB, SIDE	1	234	146	-	-	-	-	-	-	1	11	11	-	-	-	-	-	-
OR HIGHWALL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF ROOF (UNDER-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
GROUND MINES ONLY)----	-	234	146	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIRE-----	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
HANDLING MATERIAL-----	-	624	333	-	105	80	-	51	36	-	61	35	-	60	35	-	92	68
HAND TOOLS-----	-	114	248	-	25	42	-	15	22	-	7	23	-	18	13	-	24	39
NONPOWERED HAULAGE-----	-	2	2	-	1	-	-	-	-	-	1	-	-	-	-	-	2	1
POWERED HAULAGE-----	3	196	62	-	73	14	-	12	2	1	12	4	-	24	9	-	10	2
HAULAGE TRUCKS-----	-	2	-	-	50	9	-	3	-	-	2	1	-	21	8	-	3	-
FRONT-END LOADERS-----	-	1	-	-	15	3	-	4	1	-	-	-	-	3	1	-	3	1
ALL OTHER POWERED	3	193	62	-	8	2	-	5	1	1	10	3	-	-	-	-	4	1
HAULAGE-----	-	2	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
HOISTING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IGNITION OR EXPLOSION	-	1	-	-	1	1	-	-	-	-	1	-	-	1	-	-	-	-
OF GAS OR DUST-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IMPOUNDMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INUNDATION-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY-----	3	229	116	3	44	20	-	10	5	-	25	18	-	22	13	-	18	26
DOZER-----	-	-	1	2	17	4	-	2	-	-	-	-	-	3	1	-	-	1
DRI LL-----	-	-	-	-	3	-	-	-	-	-	-	-	-	1	1	-	-	-
ALL OTHER MACHINERY--	3	229	115	1	24	16	-	8	5	-	25	18	-	18	11	-	18	25
SLIPS OR FALLS OF	-	394	53	-	168	40	-	62	12	-	40	9	-	63	7	1	76	9
PERSON-----	-	49	2	-	10	2	-	7	2	-	7	1	-	5	-	-	6	1
STEPPING OR KNEELING	-	28	31	-	2	3	-	-	1	-	-	-	-	1	2	-	3	1
ON OBJECT-----	-	17	5	-	5	6	-	2	3	-	2	1	-	6	5	-	10	7
STRIKING OR BUMPING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	10	1,984	1,029	4	443	210	-	160	83	3	187	104	-	202	86	1	249	155

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

JANUARY - DECEMBER, 2011 - 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	1	-	-	-	-	2	2	-	-	-	-	1	-	-	3	1	1	1	1	1
ENTRAPMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSELS UNDER PRESSURE-----	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	1	-	-	-	-
EXPLOSIVES AND BREAKING AGENTS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR SLIDING MATERIAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	-	-	-	-	1
FALL OF FACE, RIB, SIDE OR HIGHWALL-----	-	4	-	-	-	-	-	-	-	-	3	1	-	-	-	-	1	-	-	-	-	-
FALL OF ROOF (UNDER- GROUND MINES ONLY)----	-	6	1	-	-	-	-	-	-	1	2	1	-	-	-	-	-	-	-	-	-	-
FIRE-----	-	-	-	-	-	-	-	-	1	-	1	-	-	1	-	-	3	-	-	-	-	-
HANDLING MATERIAL-----	-	34	17	-	20	13	-	81	37	-	10	5	-	200	80	-	234	116	-	138	77	
HAND TOOLS-----	-	8	11	-	8	2	-	13	15	-	5	2	-	55	53	-	63	75	-	48	51	
NONPOWERED HAULAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	
POWERED HAULAGE-----	-	6	1	-	8	1	-	17	2	-	6	2	2	40	9	-	29	10	1	29	9	
HAULAGE TRUCKS-----	-	1	-	-	5	-	-	1	-	-	2	-	-	17	5	-	6	-	-	2	4	
FRONT-END LOADERS-----	-	-	-	-	-	-	-	6	-	-	-	-	-	18	2	-	9	4	-	11	4	
ALL OTHER POWERED HAULAGE-----	-	5	1	-	3	1	-	10	2	-	4	2	2	5	2	-	14	6	1	16	1	
HOISTING-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	
IGNITION OR EXPLOSION OF GAS OR DUST-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	-	
IMPOUNDMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
INUNDATION-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MACHINERY-----	-	7	7	-	2	7	-	9	13	-	4	4	1	28	30	1	54	34	-	29	32	
DOZER-----	-	-	-	-	-	-	-	1	-	-	-	-	-	2	1	-	1	-	-	-	3	
DRI LL-----	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	1	1	-	-	-	
ALL OTHER MACHINERY--	-	7	7	-	2	7	-	8	13	-	3	4	1	24	29	1	52	33	-	29	29	
SLIPS OR FALLS OF PERSON-----	-	20	1	-	15	6	-	44	20	-	13	8	-	141	36	-	137	37	1	105	33	
STEPPING OR KNEELING ON OBJECT-----	-	1	-	-	-	1	-	1	-	-	1	-	-	17	2	-	19	4	-	10	2	
STRIKING OR BUMPING-----	-	-	-	-	-	-	-	4	-	-	-	-	-	2	-	-	1	3	-	4	1	
OTHER-----	-	2	1	-	2	-	-	2	3	-	4	1	-	8	8	-	16	9	-	6	9	
TOTAL-----	-	90	40	-	55	30	-	173	93	1	49	25	3	497	220	1	569	293	3	371	216	

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, 2011

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-----	-		172		68		240				
SURFACE-----	1		43		35		79				
TOTAL, UNDERGROUND MINES--	1		215		103		319				
<b>SURFACE MINES:</b>											
STRIP MINES-----	5		119		71		195				
AUGER MINES-----	-		-		-		-				
OTHER SURFACE MINES-----	-		-		-		-				
TOTAL, SURFACE MINES-----	5		119		71		195				
TOTAL, PRODUCTION MINING--	6		334		174		514				
PREPARATION PLANTS-----	1		65		36		102				
INDEPENDENT SHOPS/YARDS-----	-		-		-		-				
TOTAL, OTHER OPERATIONS---	1		65		36		102				
TOTAL, BITUMINOUS MINING--	7		399		210		616				
<b>PENNSYLVANIA ANTHRACITE COAL:</b>											
<b>UNDERGROUND MINES:</b>											
UNDERGROUND-----	-		-		-		-				
SURFACE-----	-		-		-		-				
TOTAL, UNDERGROUND MINES--	-		-		-		-				
<b>SURFACE MINES:</b>											
STRIP MINES-----	-		1		1		2				
CULM BANK-----	-		-		-		-				
DREDGE-----	-		-		-		-				
TOTAL, SURFACE MINES-----	-		1		1		2				
TOTAL, PRODUCTION MINING--	-		1		1		2				
PREPARATION PLANTS-----	-		3		-		3				
INDEPENDENT SHOPS/YARDS-----	-		-		-		-				
TOTAL, OTHER OPERATIONS---	-		3		-		3				
TOTAL, ANTHRACITE MINING--	-		4		1		5				
<b>ALL COAL:</b>											
<b>UNDERGROUND MINES:</b>											
UNDERGROUND-----	-		172	3.93	68	1.55	240	5.48	6,440	8,751,808	-
SURFACE-----	1	.02	43	1.05	35	.86	79	1.93	9,084	8,166,770	-
TOTAL, UNDERGROUND MINES--	1	.01	215	2.54	103	1.22	319	3.77	15,524	16,918,578	-
<b>SURFACE MINES:</b>											
STRIP MINES-----	5	.04	120	1.07	72	.64	197	1.76	20,770	22,402,529	601,226
AUGER MINES-----	-		-		-		-		230	133,478	-
CULM BANK-----	-		-		-		-		651	557,813	-
DREDGE-----	-		-		-		-		55	31,025	-
TOTAL, SURFACE MINES-----	5	.04	120	1.04	72	.62	197	1.70	21,706	23,124,845	601,226
TOTAL, PRODUCTION MINING--	6	.03	335	1.67	175	.87	516	2.58	37,230	40,043,423	601,226
PREPARATION PLANTS-----	1	.02	68	1.33	36	.70	105	2.05	8,547	10,229,615	-
INDEPENDENT SHOPS/YARDS-----	-		-		-		-		370	419,571	-
TOTAL, OTHER OPERATIONS---	1	.02	68	1.28	36	.68	105	1.97	8,917	10,649,186	-
TOTAL, ALL COAL-----	7	.03	403	1.59	211	.83	621	2.45	46,147	50,692,609	601,226
<b>OFFICEWORKERS:</b>											
BITUMINOUS-----	-		3		3		6				
ANTHRACITE-----	-		-		-		-				
TOTAL, OFFICEWORKERS-----	-		3	.17	3	.17	6	.34	2,587	3,568,353	-
GRAND TOTAL-----	7	.03	406	1.50	214	.79	627	2.31	48,734	54,260,962	601,226

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

JANUARY - DECEMBER, 2011

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-----	1		48		41		90			
NONMETAL-----	-		5		6		11			
STONE-----	-		4		2		6			
TOTAL, UNDERGROUND MINES--	1	.03	57	1.55	49	1.33	107	2.91	7,602	7,360,412
SURFACE MINES:										
METAL-----	1		92		54		147			
NONMETAL-----	2		18		8		28			
STONE-----	-		51		29		80			
SUBTOTAL, SURFACE MINES--	3		161		91		255			
SAND AND GRAVEL-----	-		23		9		32			
TOTAL, SURFACE MINES-----	3	.01	184	.87	100	.47	287	1.35	43,237	42,390,433
TOTAL, MINES-----	4	.02	241	.97	149	.60	394	1.58	50,839	49,750,845
MILLS:										
METAL-----	-		36		39		75			
NONMETAL-----	-		19		19		38			
STONE-----	-		49		24		73			
TOTAL, MILLS-----	-		104	1.08	82	.85	186	1.93	18,655	19,317,335
INDEPENDENT SHOPS AND YARDS:										
METAL-----	-		-		-		-			
NONMETAL-----	-		-		-		-			
STONE-----	-		-		-		-			
TOTAL, SHOPS AND YARDS---	-		-		-		-		45	9,974
ALL MINES, MILLS AND SHOPS:										
METAL-----	2		176		134		312			
NONMETAL-----	2		42		33		77			
STONE-----	-		104		55		159			
SUBTOTAL-----	4		322		222		548			
SAND AND GRAVEL-----	-		23		9		32			
TOTAL, MINES/MILLS/SHOPS--	4	.01	345	1.00	231	.67	580	1.68	69,539	69,078,154
OFFICEWORKERS:										
METAL-----	-		4		3		7			
NONMETAL-----	-		-		1		1			
STONE-----	-		-		1		1			
SAND AND GRAVEL-----	-		-		-		-			
TOTAL, OFFICEWORKERS---	-		4	.17	5	.21	9	.39	3,624	4,659,588
SUMMARY TOTAL (INCLUDES OFFICEWORKERS):										
METAL-----	2		180		137		319			
NONMETAL-----	2		42		34		78			
STONE-----	-		104		56		160			
SUBTOTAL-----	4		326		227		557			
SAND AND GRAVEL-----	-		23		9		32			
GRAND TOTAL-----	4	.01	349	.95	236	.64	589	1.60	73,163	73,737,742

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

JANUARY - DECEMBER, 2011

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--							4		2					6		2	
TOTAL-----							4		2					6		2	
COAL-----		16	7				7		2					2		2	
ALASKA																	
METAL-----		8	2				2		6					2		4	
NONMETAL-----																	
STONE-----							1										
SAND AND GRAVEL--																	
TOTAL-----		8	2				3		6					2		4	
COAL-----																	
ARI ZONA																	
METAL-----		3	6				26		10					5		8	
NONMETAL-----														3			
STONE-----									1								
SAND AND GRAVEL--																	
TOTAL-----		3	6				26		11					8		8	
COAL-----							1		4								
ARKANSAS																	
METAL-----																	
NONMETAL-----																	
STONE-----		1							1					3		1	
SAND AND GRAVEL--																	
TOTAL-----		1							1					3		1	
COAL-----																	
CALIFORNIA																	
METAL-----							4		1					2			
NONMETAL-----							1							2			
STONE-----							3							9		1	
SAND AND GRAVEL--							2									3	
TOTAL-----							10		1					13		4	
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, 2011 - 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-----		1	3				3							1			
NONMETAL-----							1		1								
STONE-----																	
SAND AND GRAVEL--																	
TOTAL-----		1	3				4		1					1			
COAL-----		2							1								
NEBRASKA																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--							1										
TOTAL-----							1										
COAL-----																	
NEVADA																	
METAL-----		18	20				1	34	18				7	5			
NONMETAL-----								1	2								
STONE-----								1	1					1			
SAND AND GRAVEL--								1	1								
TOTAL-----		18	20				1	37	22				7	6			
COAL-----																	
NEW HAMPSHIRE																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--								1									
TOTAL-----								1									
COAL-----																	
NEW JERSEY																	
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, 2011 - 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-----																	
NONMETAL-----		2	1				8	3					1	1			
STONE-----													3	4			
SAND AND GRAVEL--																	
TOTAL-----		2	1				8	3					4	5			
COAL-----							1	2	1								
NEW YORK																	
METAL-----																	
NONMETAL-----																	
STONE-----							1										
SAND AND GRAVEL--																	
TOTAL-----							1										
COAL-----																	
NORTH CAROLINA																	
METAL-----																	
NONMETAL-----							1						4	2			
STONE-----																	
SAND AND GRAVEL--								2	1								
TOTAL-----							1	5	3				4	2			
COAL-----																	
NORTH DAKOTA																	
METAL-----																	
NONMETAL-----														1			
STONE-----																	
SAND AND GRAVEL--																	
TOTAL-----														1			
COAL-----									5					4			
OHIO																	
METAL-----																	
NONMETAL-----																	
STONE-----		1	1										3	2			
SAND AND GRAVEL--								2									
TOTAL-----		1	1					2					3	2			
COAL-----		5	1					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, 2011 - 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-----																	
STONE-----																	
SAND AND GRAVEL--							1			2					1		
TOTAL-----							1			2					1		
COAL-----							1										
OREGON																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--															1		
TOTAL-----															1		
COAL-----																	
PENNSYLVANIA																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--								7		3					3	1	
TOTAL-----								7		3					3	1	
COAL-ANTHRACITE--								1		1					3		
BITUMINOUS--		23		13				3		2					9	8	
SOUTH CAROLINA																	
METAL-----																	
NONMETAL-----									1								
STONE-----															2	1	
SAND AND GRAVEL--																	
TOTAL-----									1						2	1	
COAL-----																	
SOUTH DAKOTA																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--										1						1	
TOTAL-----										1						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, 2011 - 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		
TENNESSEE																	
METAL-----		2															
NONMETAL-----																	
STONE-----							5	2						1	2		
SAND AND GRAVEL--																	
TOTAL-----		2					5	2						1	2		
COAL-----								2									
TEXAS																	
METAL-----		1												5	5		
NONMETAL-----		1															
STONE-----							8	4						3	3		
SAND AND GRAVEL--							4	2									
TOTAL-----		2					12	6						8	8		
COAL-----								8									
UTAH																	
METAL-----		1	1														
NONMETAL-----																	
STONE-----							3	5						2	3		
SAND AND GRAVEL--							1	2							1		
TOTAL-----		1	1				4	7						2	4		
COAL-----		3	3														
VERMONT																	
METAL-----																	
NONMETAL-----																	
STONE-----														1			
SAND AND GRAVEL--																	
TOTAL-----														1			
COAL-----																	
VIRGINIA																	
METAL-----																	
NONMETAL-----																	
STONE-----																	
SAND AND GRAVEL--							5	1							1		
TOTAL-----							5	1							1		
COAL-----		6	5				4	1						7	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, 2011 - 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--							2	1									
TOTAL-----			1				2	1									
COAL-----																	
WEST VIRGINIA																	
METAL-----																	
NONMETAL-----																	
STONE-----			1										3				
SAND AND GRAVEL--																	
TOTAL-----			1										3				
COAL-----		87	34				35	14					1	31	15		
WISCONSIN																	
METAL-----																	
NONMETAL-----		1												1	3		
STONE-----								1									
SAND AND GRAVEL--								1									
TOTAL-----		1						2						1	3		
COAL-----																	
WYOMING																	
METAL-----																	
NONMETAL-----			1											1	1		
STONE-----																	
SAND AND GRAVEL--																	
TOTAL-----			1											1	1		
COAL-----		3	2				1	15	25					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, 2011 - 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-----	1	48	41			1	92	54					36	39			
NONMETAL-----		5	6			2	18	8					19	19			
STONE-----		4	2				51	29					49	24			
SAND AND GRAVEL--							23	9									
TOTAL-----	1	57	49	7,602	7,360,412	3	184	100	43,282	42,400,407			104	82	18,655	19,317,335	
COAL-----	1	215	103	15,524	16,918,578	5	120	72	22,076	23,544,416	601,226	1	68	36	8,547	10,229,615	

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

JANUARY - DECEMBER, 2011

ACCI DENT CLASSI FI CATON	COAL									METAL								
	UNDERGROUND			SURFACE			PREPARATI ON PLANTS			UNDERGROUND			SURFACE			MI LLS		
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL
ELECTRI CAL-----	-	4	2	-	1	-	1	-	-	-	-	-	-	1	-	-	-	-
ENTRAPMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSELS	-	1	1	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-
UNDER PRESSURE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLOSI VES AND BREAKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AGENTS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	-	2	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	1
SLI DING MATERI AL-----	-	7	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
FALL OF FACE, RIB, SIDE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OR HIGHWALL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF ROOF (UNDER-	-	24	4	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
GROUND MI NES ONLY)----	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
FIRE-----	-	75	35	-	42	29	-	22	11	-	15	18	-	43	29	-	12	15
HANDLING MATERI AL-----	-	13	18	-	15	14	-	4	6	-	6	8	-	5	11	-	6	4
HAND TOOLS-----	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
NONPOWERED HAULAGE-----	-	19	5	2	14	3	-	9	1	-	7	1	-	8	3	-	3	2
POWERED HAULAGE-----	-	1	2	2	11	3	-	7	1	-	-	-	-	6	1	-	1	1
HAULAGE TRUCKS-----	-	-	-	-	1	-	-	-	-	-	2	-	-	1	1	-	-	-
FRONT-END LOADERS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER POWERED	-	18	3	-	2	-	-	2	-	-	5	1	-	1	1	-	2	1
HAULAGE-----	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOI STING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IGNI TI ON OR EXPLOSI ON	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OF GAS OR DUST-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IMPOUNDMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INUNDATI ON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHI NERY-----	-	16	16	1	12	14	-	6	6	-	6	8	-	10	5	-	4	8
DOZER-----	-	-	-	-	1	-	-	1	-	-	1	-	-	2	-	-	-	-
DRI LL-----	-	-	1	1	1	-	-	-	-	-	-	1	-	4	-	-	-	-
ALL OTHER MACHI NERY--	-	16	15	-	10	14	-	5	6	-	5	7	-	4	5	-	4	8
SLI PS OR FALLS OF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERSON-----	1	44	12	-	31	8	-	25	6	1	11	4	-	19	4	-	10	5
STEPPING OR KNEELING	-	5	2	-	-	-	-	1	1	-	-	-	-	3	-	-	-	-
ON OBJECT-----	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
STRI KING OR BUMPI NG-----	-	1	5	-	3	3	-	-	4	-	3	1	1	1	1	-	-	3
OTHER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	1	215	103	5	120	72	1	68	36	1	48	41	1	92	54	-	36	39

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

JANUARY - DECEMBER, 2011 - 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-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ENTRAPMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSELS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDER PRESSURE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLOSIVES AND BREAKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AGENTS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	1	-	-
SLIDING MATERIAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OR HIGHWALL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF ROOF (UNDER-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GROUND MINES ONLY)----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIRE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLING MATERIAL-----	-	3	4	-	4	3	-	8	6	-	-	-	18	12	-	14	10	-	-	5	2	-
HAND TOOLS-----	-	-	-	-	1	1	-	1	5	-	-	1	-	4	4	-	2	2	-	4	2	-
NONPOWERED HAULAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POWERED HAULAGE-----	-	-	2	-	7	1	-	1	-	-	-	-	1	3	-	10	-	-	-	-	-	-
HAULAGE TRUCKS-----	-	-	-	-	3	1	-	1	-	-	-	-	1	2	-	5	-	-	-	-	-	-
FRONT-END LOADERS-----	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
ALL OTHER POWERED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAULAGE-----	-	-	2	-	3	-	-	-	-	-	-	-	-	1	-	4	-	-	-	-	-	-
HOISTING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IGNITION OR EXPLOSION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OF GAS OR DUST-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IMPOUNDMENT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INUNDATION-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY-----	-	-	-	1	2	3	-	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-
DOZER-----	-	-	-	-	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
DRI LL-----	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-
ALL OTHER MACHINERY--	-	-	-	1	-	2	-	6	4	-	-	1	-	4	3	-	4	8	-	2	3	-
SLIPS OR FALLS OF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERSON-----	-	2	-	-	4	-	-	3	2	-	4	-	-	19	6	-	13	3	-	9	2	-
STEPPING OR KNEELING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ON OBJECT-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STRIKING OR BUMPING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER-----	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
TOTAL-----	-	5	6	2	18	8	-	19	19	-	4	2	-	51	29	-	49	24	-	23	9	-