

Mine Injury and Worktime, Quarterly

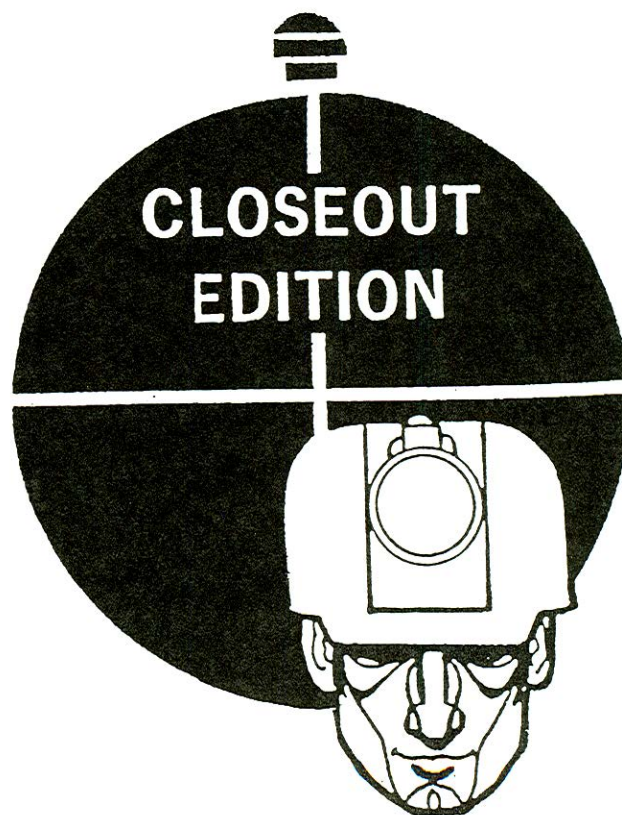


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Program Evaluation and Information Resources
Information Technology Center

January – December 2015
Final



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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 95-164 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, 2013, 2014 and 2015

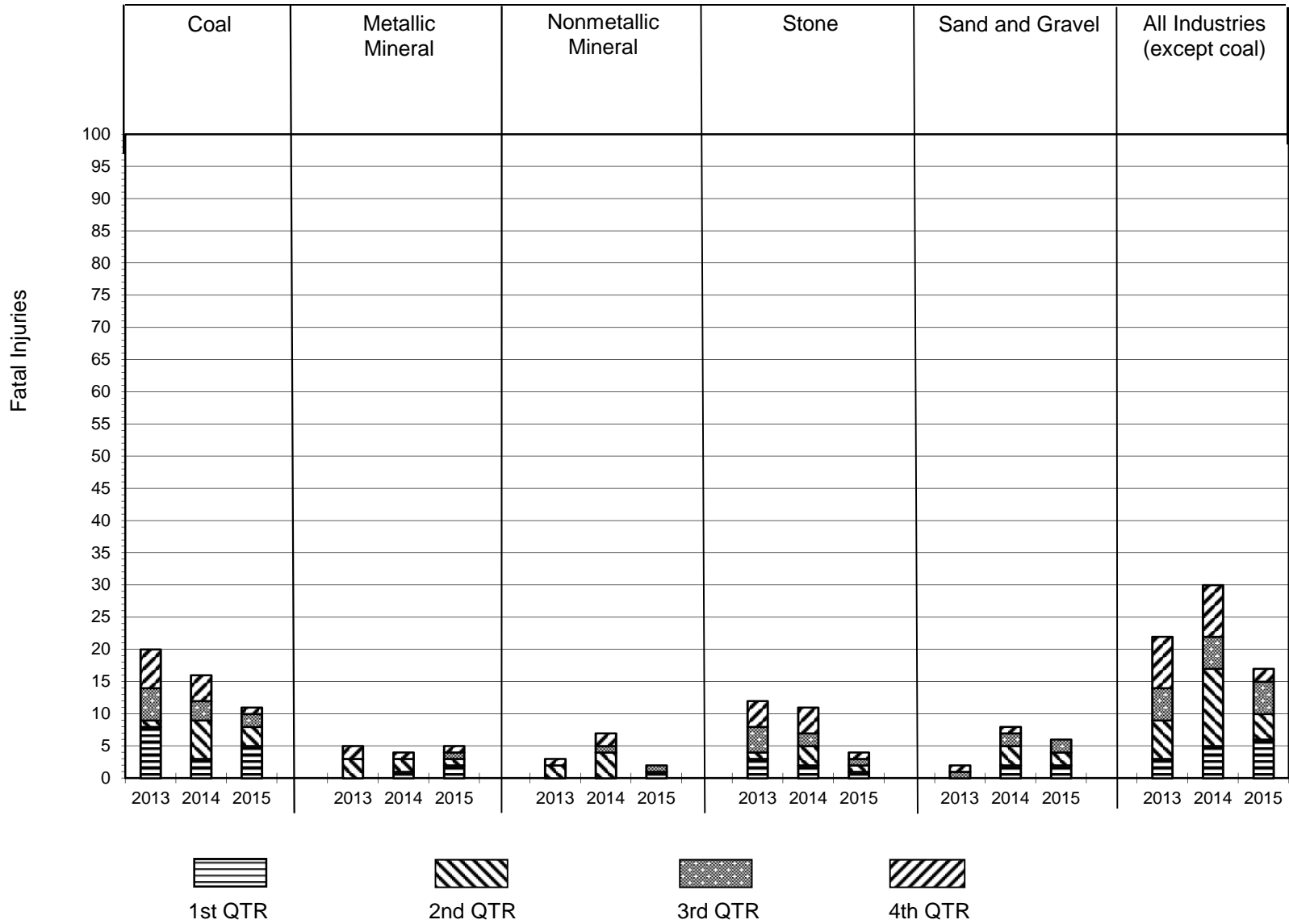


TABLE 1. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS, AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION
JANUARY - DECEMBER 2015 (FINAL)

TYPE OF COAL/WORK LOCATION	Fatal	Fatal IR	NFDL	NFDL IR	NDL	NDL IR	All OCCURENCES	ALL INCIDENT RATES	AVG # EMP	EMP HRS	PRODUCTION
BITUMINOUS COAL											
UNDERGROUND MINES:											
UNDERGROUND	8	0.022	1,210	3.348	489	1.353	1,707	4.723	32,700	72,279,853	306,736,082
SURFACE AT UG	-	-	65	2.619	45	1.813	110	4.432	2,461	4,964,087	-
TOTAL, UNDERGROUND MINES	8	0.021	1,275	3.301	534	1.383	1,817	4.705	35,161	77,243,940	306,736,082
SURFACE MINES:											
STRIP MINES	1	0.004	224	0.952	107	0.455	332	1.412	22,666	47,036,724	583,541,561
AUGER MINES	-	-	6	2.694	4	1.796	10	4.490	293	445,445	3,320,256
OTHER SURFACE MINES	-	-	-	-	1	0.880	1	0.880	166	227,349	1,237,704
TOTAL, SURFACE MINES	1	0.004	230	0.964	112	0.470	343	1.438	23,125	47,709,518	588,099,521
TOTAL, PRODUCTION MINING	9	0.014	1,505	2.409	646	1.034	2,160	3.457	58,286	124,953,458	894,835,603
PREPARATION PLANTS	-	-	103	1.566	50	0.760	153	2.326	6,152	13,155,707	-
INDEPENDENT SHOPS OR YARDS	-	-	5	1.364	3	0.818	8	2.183	363	733,055	-
TOTAL, OTHER OPERATIONS	-	-	108	1.555	53	0.763	161	2.318	6,515	13,888,762	-
Total, BITUMINOUS COAL	9	0.013	1,613	2.324	699	1.007	2,321	3.343	64,801	138,842,220	894,835,603
ANTHRACITE COAL											
UNDERGROUND MINES:											
UNDERGROUND	-	-	1	2.539	-	-	1	2.539	46	78,767	90,791
SURFACE AT UG	-	-	-	-	-	-	-	-	14	23,953	-
TOTAL, UNDERGROUND MINES	-	-	1	1.947	-	-	1	1.947	60	102,720	90,791
SURFACE MINES:											
STRIP MINES	-	-	11	2.122	3	0.579	14	2.701	518	1,036,757	1,920,698
CULM BANK	-	-	3	2.568	1	0.856	4	3.424	136	233,613	115,432
TOTAL, SURFACE MINES	-	-	14	2.204	4	0.630	18	2.834	654	1,270,370	2,036,130
TOTAL, PRODUCTION MINING	-	-	15	2.185	4	0.583	19	2.767	714	1,373,090	2,126,921
PREPARATION PLANTS	-	-	16	3.829	10	2.393	26	6.222	379	835,805	-
INDEPENDENT SHOPS OR YARDS	-	-	-	-	-	-	-	-	11	5,132	-
TOTAL, OTHER OPERATIONS	-	-	16	3.805	10	2.378	26	6.184	390	840,937	-
Total, ANTHRACITE COAL	-	-	31	2.800	14	1.265	45	4.065	1,104	2,214,027	2,126,921
ALL COAL											
UNDERGROUND MINES:											
UNDERGROUND	8	0.022	1,211	3.347	489	1.352	1,708	4.721	32,746	72,358,620	306,826,873
SURFACE AT UG	-	-	65	2.606	45	1.804	110	4.411	2,475	4,988,040	-
TOTAL, UNDERGROUND MINES	8	0.021	1,276	3.299	534	1.381	1,818	4.701	35,221	77,346,660	306,826,873
SURFACE MINES:											
STRIP MINES	1	0.004	235	0.978	110	0.458	346	1.439	23,184	48,073,481	585,462,259
AUGER MINES	-	-	6	2.694	4	1.796	10	4.490	293	445,445	3,320,256
CULM BANK	-	-	3	1.341	2	0.894	5	2.235	292	447,364	1,304,219
DREDGE	-	-	-	-	-	-	-	-	10	13,598	48,917
TOTAL, SURFACE MINES	1	0.004	244	0.996	116	0.474	361	1.474	23,779	48,979,888	590,135,651
TOTAL, PRODUCTION MINING	9	0.014	1,520	2.406	650	1.029	2,179	3.450	59,000	126,326,548	896,962,524
PREPARATION PLANTS	-	-	119	1.701	60	0.858	179	2.559	6,531	13,991,512	-
INDEPENDENT SHOPS/YARDS	-	-	5	1.355	3	0.813	8	2.167	374	738,187	-
TOTAL, OTHER OPERATIONS	-	-	124	1.684	63	0.855	187	2.539	6,905	14,729,699	-
Total, ALL COAL	9	0.013	1,644	2.331	713	1.011	2,366	3.355	65,905	141,056,247	896,962,524
OFFICEWORKERS											
BITUMINOUS COAL	-	-	4	0.168	2	0.084	6	0.253	2,398	4,749,498	-
ANTHRACITE COAL	-	-	-	-	-	-	-	-	110	191,622	-
TOTAL, OFFICEWORKERS	-	-	4	0.162	2	0.081	6	0.243	2,508	4,941,120	-
GRAND TOTAL	9	0.012	1,648	2.258	715	0.979	2,372	3.249	68,413	145,997,367	896,962,524

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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 2015 (FINAL)

WORK LOCATION/MINERAL INDUSTRY	Fatal	Fatal IR	NFDL	NFDL IR	NDL	NDL IR	AII OCCURENCES	ALL INCIDENT RATES	AVG # EMP	EMP HRS
UNDERGROUND MINES										
METAL	2	0.027	146	1.945	79	1.052	227	3.024	7,403	15,015,146
NONMETAL	-	-	66	2.045	37	1.146	103	3.191	3,157	6,455,691
STONE	-	-	55	2.009	24	0.877	79	2.886	2,504	5,474,920
TOTAL, UNDERGROUND MINES	2	0.015	267	1.982	140	1.039	409	3.036	13,064	26,945,757
SURFACE MINES										
METAL	2	0.013	212	1.335	82	0.516	296	1.864	14,915	31,757,016
NONMETAL	1	0.018	92	1.611	49	0.858	142	2.486	6,426	11,423,498
STONE	1	0.004	496	1.841	234	0.868	731	2.713	27,787	53,889,132
SAND AND GRAVEL	4	0.017	308	1.281	178	0.740	490	2.038	28,813	48,085,915
TOTAL, SURFACE MINES	8	0.011	1,108	1.527	543	0.748	1,659	2.286	77,941	145,155,561
TOTAL, MINES	10	0.012	1,375	1.598	683	0.794	2,068	2.403	91,005	172,101,318
MILLS										
METAL	-	-	246	1.607	101	0.660	347	2.266	14,275	30,623,536
NONMETAL	-	-	192	1.508	82	0.644	274	2.152	12,432	25,468,796
STONE	1	0.004	561	1.980	222	0.783	784	2.767	26,388	56,670,185
TOTAL, MILLS	1	0.002	999	1.772	405	0.718	1,405	2.492	53,095	112,762,517
INDEPENDENT SHOPS AND YARDS										
METAL	-	-	-	-	-	-	-	-	40	108,777
NONMETAL	-	-	-	-	-	-	-	-	14	30,057
STONE	-	-	3	1.513	-	-	3	1.513	250	396,516
SAND AND GRAVEL	-	-	-	-	-	-	-	-	17	10,638
TOTAL, INDEPENDENT SHOPS AND YARDS	-	-	3	1.099	-	-	3	1.099	321	545,988
ALL MINES, MILLS AND SHOPS										
METAL	4	0.010	604	1.559	262	0.676	870	2.245	36,633	77,504,475
NONMETAL	1	0.005	350	1.614	168	0.775	519	2.393	22,029	43,378,042
STONE	2	0.003	1,115	1.915	480	0.825	1,597	2.743	56,929	116,430,753
SAND AND GRAVEL	4	0.017	308	1.281	178	0.740	490	2.038	28,830	48,096,553
TOTAL, ALL MINES, MILLS AND SHOPS	11	0.008	2,377	1.666	1,088	0.762	3,476	2.436	144,421	285,409,823
OFFICEWORKERS										
METAL	-	-	3	0.065	3	0.065	6	0.130	4,807	9,218,770
NONMETAL	-	-	4	0.110	2	0.055	6	0.165	4,045	7,288,157
STONE	-	-	8	0.085	4	0.042	12	0.127	10,177	18,867,841
SAND AND GRAVEL	-	-	-	-	4	0.120	4	0.120	6,018	6,681,212
TOTAL, OFFICEWORKERS	-	-	15	0.071	13	0.062	28	0.133	25,047	42,055,980
SUMMARY TOTAL (INCLUDING OFFICEWORKERS)										
METAL	4	0.009	607	1.400	265	0.611	876	2.020	41,440	86,723,245
NONMETAL	1	0.004	354	1.397	170	0.671	525	2.072	26,074	50,666,199
STONE	2	0.003	1,123	1.660	484	0.715	1,609	2.378	67,106	135,298,594
SAND AND GRAVEL	4	0.015	308	1.125	182	0.665	494	1.804	34,848	54,777,765
GRAND TOTAL	11	0.007	2,392	1.461	1,101	0.672	3,504	2.140	169,468	327,465,803

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

JANUARY - DECEMBER 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
ALABAMA																	
METAL	-	-	-	-	-	-	-	-	-	4	4,939	-	-	-	-	18	36,969
NONMETAL	-	-	-	-	-	-	-	2	1	66	123,807	-	-	2	1	193	424,649
STONE	-	-	-	14	27,032	-	-	5	3	672	1,453,101	-	-	38	16	1,417	3,166,863
SAND AND GRAVEL	-	-	-	-	-	-	-	4	3	471	998,790	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	14	27,032	-	-	11	7	1,213	2,580,637	-	-	40	17	1,628	3,628,481
COAL	-	87	21	2,061	5,194,307	9,897,327	1	-	-	705	1,623,874	3,295,215	-	7	2	399	822,571
ALASKA																	
METAL	-	24	10	662	1,529,942	-	-	4	7	742	1,745,368	-	-	8	1	534	1,367,251
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	108	88,933	-	-	-	1	19	25,585
SAND AND GRAVEL	-	-	-	-	-	-	-	-	2	376	309,892	-	-	-	-	-	-
TOTAL, M/NM	-	24	10	662	1,529,942	-	-	5	9	1,226	2,144,193	-	-	8	2	553	1,392,836
COAL	-	-	-	-	-	-	-	-	-	90	217,343	1,177,390	-	-	-	8	7,988
ARIZONA																	
METAL	-	-	1	129	194,811	-	-	68	22	3,896	8,252,288	-	-	47	19	3,690	7,692,748
NONMETAL	-	-	-	4	6,284	-	-	-	-	67	107,829	-	-	1	-	40	98,326
STONE	-	-	-	-	-	-	-	4	5	541	1,056,069	-	-	10	2	232	493,848
SAND AND GRAVEL	-	-	-	-	-	-	-	14	9	1,185	2,083,504	-	-	-	-	-	-
TOTAL, M/NM	-	-	1	133	201,095	-	-	86	36	5,689	11,499,690	-	-	58	21	3,962	8,284,922
COAL	-	-	-	-	-	-	-	7	1	323	794,971	6,804,555	-	-	-	72	163,764
ARKANSAS																	
METAL	-	-	-	-	-	-	-	-	-	11	23,491	-	-	7	2	369	602,450
NONMETAL	-	-	-	-	-	-	-	-	1	123	219,312	-	-	-	-	26	35,438
STONE	-	-	1	50	104,278	-	-	7	6	858	1,797,106	-	-	13	5	500	1,162,354
SAND AND GRAVEL	-	-	-	-	-	-	-	4	7	328	629,717	-	-	-	-	-	-
TOTAL, M/NM	-	-	1	50	104,278	-	-	11	14	1,320	2,669,626	-	-	20	7	895	1,800,242
COAL	-	5	1	55	127,030	91,272	-	-	-	8	7,442	190	-	-	-	9	18,892
CALIFORNIA																	
METAL	-	2	-	41	61,576	-	-	9	1	348	711,561	-	-	4	3	434	790,693
NONMETAL	-	-	-	11	4,024	-	-	13	1	542	968,717	-	-	13	3	791	1,575,326
STONE	-	-	-	-	-	-	-	7	4	966	1,759,685	-	-	41	3	1,290	2,450,612
SAND AND GRAVEL	-	-	-	-	-	-	-	35	18	2,387	4,884,572	-	-	-	-	-	-
TOTAL, M/NM	-	2	-	52	65,600	-	-	64	24	4,243	8,324,535	-	-	58	9	2,515	4,816,631
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS					
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES					
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	
COLORADO																		
METAL	-	8	6	446	877,124	-	-	13	6	478	856,592	-	-	4	2	478	817,051	-
NONMETAL	-	-	-	-	-	-	-	2	1	81	111,992	-	-	1	-	10	22,558	-
STONE	-	4	2	33	68,113	-	-	15	11	403	811,870	-	-	9	4	342	692,282	-
SAND AND GRAVEL	-	-	-	-	-	-	-	16	8	1,011	1,655,402	-	-	-	-	-	-	-
TOTAL, M/NM	-	12	8	479	945,237	-	-	46	26	1,973	3,435,856	-	-	14	6	830	1,531,891	-
COAL	-	7	13	1,077	2,246,501	13,141,109	-	6	5	358	730,909	5,737,806	-	-	-	92	190,372	-
CONNECTICUT																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	3	261	467,704	-	-	7	-	136	280,105	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	195	305,080	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	3	456	772,784	-	-	7	-	136	280,105	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	60,253	-
NONMETAL	-	-	-	-	-	-	-	-	-	6	10,198	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	27	61,656	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	33	71,854	-	-	-	-	32	60,253	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA																		
METAL	-	-	-	-	-	-	-	-	-	8	17,799	-	-	-	-	70	158,411	-
NONMETAL	-	-	-	-	-	-	1	13	5	809	1,830,716	-	-	2	2	570	1,269,838	-
STONE	-	-	-	-	-	-	-	25	7	984	2,299,066	-	-	13	7	1,033	2,212,209	-
SAND AND GRAVEL	-	-	-	-	-	-	-	4	1	425	696,108	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	42	13	2,226	4,843,689	-	-	15	9	1,673	3,640,458	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	2	230	439,695	-	-	18	12	2,292	4,718,274	-
STONE	-	1	-	105	210,119	-	-	15	5	730	1,488,752	-	-	12	1	913	2,102,445	-
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	267	552,712	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	105	210,119	-	-	18	7	1,227	2,481,159	-	-	30	13	3,205	6,820,719	-
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 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
HAWAII																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	4	257	513,435	-	-	2	-	29	62,161	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	48	44,488	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	4	305	557,923	-	-	2	-	29	62,161	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IDAHO																	
METAL	-	18	12	524	1,012,666	-	-	-	12	20,147	-	-	2	-	116	233,761	
NONMETAL	-	-	-	-	-	-	-	2	372	759,204	-	-	-	-	119	225,134	
STONE	-	-	-	-	-	-	-	1	251	342,301	-	-	2	1	35	67,023	
SAND AND GRAVEL	-	-	-	-	-	-	-	2	598	744,225	-	-	-	-	-	-	
TOTAL, M/NM	-	18	12	524	1,012,666	-	-	5	1,233	1,865,877	-	-	4	1	270	525,918	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ILLINOIS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	2	120	264,082	-	-	2	4	332	733,994	
STONE	-	4	5	199	433,726	-	-	14	720	1,398,358	-	-	23	4	836	1,888,047	
SAND AND GRAVEL	-	-	-	-	-	-	-	7	440	816,436	-	-	-	-	-	-	
TOTAL, M/NM	-	4	5	199	433,726	-	-	23	1,280	2,478,876	-	-	25	8	1,168	2,622,041	
COAL	2	112	70	3,125	6,919,883	51,973,265	-	5	354	760,298	4,253,911	-	3	6	476	1,043,979	
INDIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	7,450	
NONMETAL	-	-	-	16	40,450	-	-	-	21	25,644	-	-	3	-	201	294,635	
STONE	-	2	-	135	304,749	-	-	23	625	1,291,970	-	-	37	11	1,143	2,440,911	
SAND AND GRAVEL	-	-	-	-	-	-	-	5	505	1,011,975	-	-	-	-	-	-	
TOTAL, M/NM	-	2	-	151	345,199	-	-	28	1,151	2,329,589	-	-	40	11	1,347	2,742,996	
COAL	-	47	30	1,604	3,769,274	15,607,761	-	12	1,289	3,055,844	18,687,683	-	5	4	357	836,767	
IOWA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	30,799	
NONMETAL	-	3	2	145	305,601	-	-	-	97	106,534	-	-	3	-	124	238,335	
STONE	-	5	5	225	537,253	-	-	8	844	1,567,246	-	-	18	8	503	1,086,620	
SAND AND GRAVEL	-	-	-	-	-	-	-	6	478	718,454	-	-	-	-	-	-	
TOTAL, M/NM	-	8	7	370	842,854	-	-	14	1,419	2,392,234	-	-	21	8	636	1,355,754	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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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 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS					
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES					
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	
KANSAS																		
METAL	-	-	-	-	-	-	-	-	-	1	1,228	-	-	-	-	-	-	-
NONMETAL	-	2	7	132	265,816	-	-	-	2	36	61,990	-	-	3	-	129	211,485	
STONE	-	-	-	3	1,475	-	-	5	7	585	991,186	-	-	4	4	301	623,017	
SAND AND GRAVEL	-	-	-	-	-	-	-	3	2	282	409,753	-	-	-	-	-	-	
TOTAL, M/NM	-	2	7	135	267,291	-	-	8	11	904	1,464,157	-	-	7	4	430	834,502	
COAL	-	-	-	-	-	-	-	-	-	12	26,857	199,199	-	-	-	-	-	
KENTUCKY																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	37	72,019	-	-	1	-	33	66,392	
STONE	-	6	2	478	981,733	-	-	8	4	620	1,310,643	-	-	15	6	965	2,087,370	
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	175	322,136	-	-	-	-	-	-	
TOTAL, M/NM	-	6	2	478	981,733	-	-	9	5	832	1,704,798	-	-	16	6	998	2,153,762	
COAL	1	215	108	6,115	13,461,286	43,379,485	-	47	7	2,432	4,504,317	18,034,855	-	46	13	1,365	2,894,096	
LOUISIANA																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3	646	1,462,422	
NONMETAL	-	5	2	413	882,410	-	-	-	-	7	6,421	-	-	2	-	218	490,761	
STONE	-	-	-	-	-	-	-	-	-	18	28,071	-	-	-	-	12	31,157	
SAND AND GRAVEL	-	-	-	-	-	-	-	6	2	585	1,105,126	-	-	-	-	-	-	
TOTAL, M/NM	-	5	2	413	882,410	-	-	6	2	610	1,139,618	-	-	7	3	876	1,984,340	
COAL	-	-	-	-	-	-	-	1	1	299	643,566	3,438,728	-	-	-	-	-	
MAINE																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	8	3,522	-	-	-	-	1	16	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	1	161	207,181	-	-	2	1	73	147,199	
SAND AND GRAVEL	-	-	-	-	-	-	-	6	4	529	551,876	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	8	3,522	-	-	6	5	691	759,073	-	-	2	1	73	147,199	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MARYLAND																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	19	35,803	-	-	-	-	-	-	
STONE	-	-	-	20	28,258	-	-	3	4	226	450,615	-	-	2	-	477	1,064,633	
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	251	484,870	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	20	28,258	-	-	5	4	496	971,288	-	-	2	-	477	1,064,633	
COAL	-	8	2	129	242,813	599,077	-	-	-	186	395,940	1,315,614	-	1	-	51	96,463	

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

JANUARY - DECEMBER 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
MASSACHUSETTS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	19	35,624	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	15	12	332	662,671	-	-	3	3	283	555,988
SAND AND GRAVEL	-	-	-	-	-	-	1	4	-	316	416,671	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	19	12	667	1,114,966	-	-	3	3	283	555,988
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN																	
METAL	-	-	1	20	38,538	-	-	9	3	524	1,037,969	-	-	16	13	699	1,444,984
NONMETAL	-	-	-	44	131,015	-	-	-	-	73	144,067	-	-	-	-	17	32,942
STONE	-	-	-	-	-	-	-	8	5	244	540,813	-	-	9	4	529	1,278,378
SAND AND GRAVEL	-	-	-	-	-	-	-	10	6	1,205	1,712,281	-	-	-	-	-	-
TOTAL, M/NM	-	-	1	64	169,553	-	-	27	14	2,046	3,435,130	-	-	25	17	1,245	2,756,304
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA																	
METAL	-	-	-	-	-	-	-	18	7	1,868	3,809,338	-	-	32	12	1,711	3,549,301
NONMETAL	-	-	-	-	-	-	-	4	-	78	110,139	-	-	-	-	7	17,701
STONE	-	-	-	-	-	-	-	5	4	327	545,687	-	-	4	-	161	326,001
SAND AND GRAVEL	-	-	-	-	-	-	-	14	6	1,328	1,600,097	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	41	17	3,601	6,065,261	-	-	36	12	1,879	3,893,003
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSISSIPPI																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	17	29,872	-	-	5	3	320	694,524
STONE	-	-	-	-	-	-	-	-	-	7	7,463	-	-	-	-	3	6,775
SAND AND GRAVEL	-	-	-	-	-	-	-	10	3	445	860,621	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	10	3	469	897,956	-	-	5	3	323	701,299
COAL	-	-	-	-	-	-	-	-	-	330	562,240	3,143,392	-	-	-	-	-
MISSOURI																	
METAL	1	19	8	660	1,396,447	-	-	-	-	-	-	-	-	2	1	97	220,653
NONMETAL	-	-	-	2	1,125	-	-	2	1	111	169,963	-	-	7	3	399	823,976
STONE	-	2	2	320	757,479	-	-	17	9	1,142	2,111,462	-	-	45	17	2,110	4,232,249
SAND AND GRAVEL	-	-	-	-	-	-	-	11	2	317	490,982	-	-	-	-	-	-
TOTAL, M/NM	1	21	10	982	2,155,051	-	-	30	12	1,570	2,772,407	-	-	54	21	2,606	5,276,878
COAL	-	-	-	-	-	-	-	-	-	15	39,285	138,206	-	-	-	-	-

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

JANUARY - DECEMBER 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
MONTANA																	
METAL	-	28	11	1,265	2,353,465	-	-	4	-	298	579,055	-	-	1	3	350	696,300
NONMETAL	-	-	-	-	-	-	-	2	-	68	104,466	-	-	4	6	158	296,731
STONE	-	-	-	-	-	-	-	4	-	189	276,914	-	-	3	-	174	349,500
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	561	547,910	-	-	-	-	-	-
TOTAL, M/NM	-	28	11	1,265	2,353,465	-	-	10	1	1,116	1,508,345	-	-	8	9	682	1,342,531
COAL	-	-	2	233	529,444	6,419,645	-	7	1	925	1,807,868	35,444,359	-	-	1	109	211,639
NEBRASKA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	4	2,209	-	-	-	-	-	-
STONE	-	2	-	125	338,406	-	-	-	1	91	188,961	-	-	3	2	162	364,283
SAND AND GRAVEL	-	-	-	-	-	-	1	7	5	548	907,114	-	-	-	-	-	-
TOTAL, M/NM	-	2	-	125	338,406	-	1	7	6	643	1,098,284	-	-	3	2	162	364,283
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA																	
METAL	1	27	16	2,538	5,297,349	-	2	51	19	4,569	10,151,202	-	-	34	21	2,606	5,912,494
NONMETAL	-	-	-	-	-	-	-	3	1	578	465,044	-	-	12	5	507	1,009,627
STONE	-	-	-	-	-	-	-	5	5	169	317,901	-	-	1	1	204	437,725
SAND AND GRAVEL	-	-	-	-	-	-	-	1	2	477	814,777	-	-	-	-	-	-
TOTAL, M/NM	1	27	16	2,538	5,297,349	-	2	60	27	5,793	11,748,924	-	-	47	27	3,317	7,359,846
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW HAMPSHIRE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	1	165	310,226	-	-	1	1	27	42,646
SAND AND GRAVEL	-	-	-	-	-	-	-	3	1	350	421,850	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	5	2	515	732,076	-	-	1	1	27	42,646
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	19	44,329	-	-	2	-	75	138,382
STONE	-	-	-	-	-	-	-	16	3	312	776,521	-	-	2	2	137	335,456
SAND AND GRAVEL	-	-	-	-	-	-	-	8	-	364	719,437	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	24	3	695	1,540,287	-	-	4	2	212	473,838
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 2015 (FINAL)

Underground Mines						
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production
	Fatal	NFDL	NDL			
NEW MEXICO						
METAL	-	-	-	7	16,218	-
NONMETAL	-	13	9	604	1,171,773	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	13	9	611	1,187,991	-
COAL	-	13	2	399	803,159	6,517,519
NEW YORK						
METAL	-	-	-	6	9,624	-
NONMETAL	-	10	1	424	938,670	-
STONE	-	-	-	22	47,108	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	10	1	452	995,402	-
COAL	-	-	-	-	-	-
NORTH CAROLINA						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-
COAL	-	-	-	-	-	-
NORTH DAKOTA						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-
COAL	-	-	-	-	-	-
OHIO						
METAL	-	-	-	-	-	-
NONMETAL	-	4	1	309	691,607	-
STONE	-	6	1	123	283,720	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	10	2	432	975,327	-
COAL	-	52	18	1,378	2,821,157	12,220,153

Surface Operations						
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production
	Fatal	NFDL	NDL			
NEW MEXICO						
METAL	-	29	2	816	1,615,295	-
NONMETAL	-	1	1	161	252,993	-
STONE	-	4	2	265	472,306	-
SAND AND GRAVEL	-	4	1	408	561,216	-
TOTAL, M/NM	-	38	6	1,650	2,901,810	-
COAL	-	4	3	506	1,070,413	13,161,277
NEW YORK						
METAL	-	-	-	13	28,966	-
NONMETAL	-	2	-	87	156,487	-
STONE	-	15	4	803	1,443,018	-
SAND AND GRAVEL	-	6	5	1,186	1,690,229	-
TOTAL, M/NM	-	23	9	2,089	3,318,700	-
COAL	-	-	-	-	-	-
NORTH CAROLINA						
METAL	-	-	-	2	2,248	-
NONMETAL	-	2	1	332	620,987	-
STONE	-	6	2	795	1,611,391	-
SAND AND GRAVEL	-	3	1	450	839,286	-
TOTAL, M/NM	-	11	4	1,579	3,073,912	-
COAL	-	-	-	-	-	-
NORTH DAKOTA						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	4	3,924	-
STONE	-	-	-	11	8,907	-
SAND AND GRAVEL	1	1	5	697	929,998	-
TOTAL, M/NM	1	1	5	712	942,829	-
COAL	-	6	11	1,297	2,513,678	28,801,826
OHIO						
METAL	-	-	-	-	-	-
NONMETAL	-	1	1	135	246,349	-
STONE	-	15	6	657	1,291,302	-
SAND AND GRAVEL	1	7	2	814	1,555,219	-
TOTAL, M/NM	1	23	9	1,606	3,092,870	-
COAL	-	1	2	654	1,246,142	4,820,822

MILLS AND PREP PLANTS					
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL		
NEW MEXICO					
METAL	-	6	2	441	877,725
NONMETAL	-	10	9	566	1,240,993
STONE	-	1	-	77	148,582
SAND AND GRAVEL	-	-	-	-	-
TOTAL, M/NM	-	17	11	1,084	2,267,300
COAL	-	-	-	84	172,982
NEW YORK					
METAL	-	1	-	57	120,468
NONMETAL	-	3	-	203	412,750
STONE	-	8	14	640	1,414,762
SAND AND GRAVEL	-	-	-	-	-
TOTAL, M/NM	-	12	14	900	1,947,980
COAL	-	-	-	-	-
NORTH CAROLINA					
METAL	-	-	-	5	7,410
NONMETAL	-	14	5	451	917,372
STONE	-	6	8	745	1,516,302
SAND AND GRAVEL	-	-	-	-	-
TOTAL, M/NM	-	20	13	1,201	2,441,084
COAL	-	-	-	-	-
NORTH DAKOTA					
METAL	-	-	-	-	-
NONMETAL	-	1	-	34	71,901
STONE	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-
TOTAL, M/NM	-	1	-	34	71,901
COAL	-	-	-	8	13,559
OHIO					
METAL	-	-	-	-	-
NONMETAL	-	2	-	146	301,261
STONE	-	14	8	984	2,080,043
SAND AND GRAVEL	-	-	-	-	-
TOTAL, M/NM	-	16	8	1,130	2,381,304
COAL	-	5	4	313	642,477

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

JANUARY - DECEMBER 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
OKLAHOMA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	4	7	221	450,019	-	-	-	-	38	87,799
STONE	-	-	1	20	45,342	-	-	27	8	1,274	2,619,557	-	-	9	8	698	1,547,624
SAND AND GRAVEL	-	-	-	-	-	-	-	3	1	294	588,573	-	-	-	-	-	-
TOTAL, M/NM	-	-	1	20	45,342	-	-	34	16	1,789	3,658,149	-	-	9	8	736	1,635,423
COAL	-	4	4	76	211,081	390,706	-	1	-	86	211,260	389,493	-	-	-	1	1,404
OREGON																	
METAL	-	-	-	10	1,097	-	-	-	-	6	2,081	-	-	-	-	5	8,727
NONMETAL	-	-	-	-	-	-	-	1	1	122	157,004	-	-	4	-	123	202,431
STONE	-	-	-	-	-	-	-	14	3	751	1,126,107	-	-	3	1	88	171,757
SAND AND GRAVEL	-	-	-	-	-	-	-	9	3	417	663,509	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	10	1,097	-	-	24	7	1,296	1,948,701	-	-	7	1	216	382,915
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	23,498
NONMETAL	-	-	-	-	-	-	-	-	1	38	81,490	-	-	3	1	96	173,664
STONE	-	16	3	347	750,823	-	1	45	27	2,237	4,078,020	-	-	47	25	1,937	4,008,058
SAND AND GRAVEL	-	-	-	-	-	-	-	5	5	416	763,191	-	-	-	-	17	10,638
TOTAL, M/NM	-	16	3	347	750,823	-	1	50	33	2,691	4,922,701	-	-	50	26	2,063	4,215,858
BITUMINOUS COAL	3	103	71	3,947	8,391,824	40,523,959	-	9	7	854	1,635,056	5,219,475	-	2	9	504	1,047,054
ARTHRACTIC COAL	-	1	-	60	102,720	90,791	-	14	4	654	1,270,370	2,036,130	-	16	10	390	840,937
COAL	3	104	71	4,007	8,494,544	40,614,750	-	23	11	1,508	2,905,426	7,255,605	-	18	19	894	1,887,991
PUERTO RICO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	7	12,631	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	5	-	291	386,248	-	-	8	2	422	885,316
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	103	141,452	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	5	-	401	540,331	-	-	8	2	422	885,316
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RHODE ISLAND																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	105
STONE	-	-	-	-	-	-	-	2	-	62	91,698	-	-	-	-	14	25,919
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	136	213,914	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	4	-	198	305,612	-	-	-	-	15	26,024
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 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
SOUTH CAROLINA																	
METAL	-	-	-	-	-	-	-	-	-	91	189,035	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	55	78,926	-	-	4	-	143	307,866
STONE	-	-	-	-	-	-	-	6	-	268	566,671	-	-	19	1	556	1,218,386
SAND AND GRAVEL	-	-	-	-	-	-	-	3	-	221	461,283	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	10	-	635	1,295,915	-	-	23	1	699	1,526,252
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA																	
METAL	-	-	-	-	-	-	-	4	1	141	261,237	-	-	-	-	44	89,021
NONMETAL	-	-	-	-	-	-	-	1	-	10	7,361	-	-	3	2	38	75,446
STONE	-	-	-	-	-	-	-	9	5	232	439,740	-	-	10	1	184	406,336
SAND AND GRAVEL	-	-	-	-	-	-	-	4	6	389	477,656	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	18	12	772	1,185,994	-	-	13	3	266	570,803
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE																	
METAL	-	13	7	733	1,536,586	-	-	-	-	-	-	-	-	1	-	115	245,020
NONMETAL	-	-	-	-	-	-	-	-	2	69	115,069	-	-	2	1	166	332,711
STONE	-	1	2	126	202,801	-	-	3	1	814	1,261,857	-	-	24	6	883	1,795,104
SAND AND GRAVEL	-	-	-	-	-	-	-	3	3	249	454,082	-	-	-	-	-	-
TOTAL, M/NM	-	14	9	859	1,739,387	-	-	6	6	1,132	1,831,008	-	-	27	7	1,164	2,372,835
COAL	-	7	2	167	312,912	531,197	-	-	-	112	193,398	366,287	-	-	-	37	81,883
TEXAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	67	17	1,069	2,880,017
NONMETAL	-	2	-	48	99,880	-	-	9	3	504	1,027,513	-	-	11	4	767	1,624,366
STONE	-	3	-	13	27,546	-	-	62	18	3,750	8,410,560	-	-	45	18	2,472	5,819,440
SAND AND GRAVEL	-	-	-	-	-	-	-	32	17	2,747	6,258,141	-	-	-	-	-	-
TOTAL, M/NM	-	5	-	61	127,426	-	-	103	38	7,001	15,696,214	-	-	123	39	4,308	10,323,823
COAL	-	-	-	-	-	-	-	15	9	2,639	5,616,407	35,917,966	-	-	-	6	12,960
UTAH																	
METAL	-	2	1	62	89,532	-	-	3	10	1,070	2,407,293	-	-	9	2	532	1,125,794
NONMETAL	-	1	6	126	229,300	-	-	-	-	120	223,215	-	-	6	1	246	482,090
STONE	-	-	-	-	-	-	-	1	1	199	319,659	-	-	1	3	190	380,183
SAND AND GRAVEL	-	-	-	-	-	-	-	6	5	952	1,481,125	-	-	-	-	-	-
TOTAL, M/NM	-	3	7	188	318,832	-	-	10	16	2,341	4,431,292	-	-	16	6	968	1,988,067
COAL	-	15	16	1,100	2,236,334	14,103,385	-	-	1	36	108,600	315,693	-	-	1	87	159,395

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

JANUARY - DECEMBER 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
VERMONT																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	1	-	14	25,141	
STONE	-	-	-	31	74,102	-	-	6	5	343	551,228	-	-	2	2	320	625,130
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	205	214,436	-	-	-	-	-	
TOTAL, M/NM	-	-	-	31	74,102	-	-	6	6	584	793,727	-	-	3	2	334	650,271
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIRGIN ISLANDS OF THE U S																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	1	46	96,321	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	1	46	96,321	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	4	16	39,501	-	-	-	-	120	171,113
NONMETAL	-	-	-	3	1,728	-	-	2	2	56	82,698	-	-	9	1	315	632,556
STONE	-	-	-	32	66,851	-	-	19	4	692	1,487,362	-	1	10	6	1,180	2,494,712
SAND AND GRAVEL	-	-	-	-	-	-	-	4	1	257	400,852	-	-	-	-	-	
TOTAL, M/NM	-	-	-	35	68,579	-	-	25	11	1,021	2,010,413	-	1	19	7	1,615	3,298,381
COAL	1	42	26	1,900	4,105,016	9,676,946	-	22	7	790	1,475,517	4,409,929	-	6	1	438	962,471
WASHINGTON																	
METAL	-	5	6	300	600,171	-	-	-	-	-	-	-	-	-	-	44	83,592
NONMETAL	-	-	-	-	-	-	-	5	-	32	69,462	-	-	1	1	59	127,710
STONE	-	-	-	-	-	-	-	5	7	376	552,925	-	-	11	2	209	424,459
SAND AND GRAVEL	-	-	-	-	-	-	-	11	9	925	1,468,367	-	-	-	-	-	
TOTAL, M/NM	-	5	6	300	600,171	-	-	21	16	1,333	2,090,754	-	-	12	3	312	635,761
COAL	-	-	-	-	-	-	-	2	1	29	48,377	-	-	-	-	-	
WEST VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	15,938
NONMETAL	-	-	-	-	-	-	-	-	-	13	20,475	-	-	1	2	100	221,029
STONE	-	3	-	83	184,006	-	-	7	3	198	390,445	-	-	7	4	369	799,313
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	14	24,457	-	-	-	-	-	
TOTAL, M/NM	-	3	-	83	184,006	-	-	7	4	225	435,377	-	-	8	6	477	1,036,280
COAL	1	546	146	11,495	25,174,020	78,573,101	-	38	12	2,651	5,768,210	20,343,321	-	31	13	1,999	4,320,313

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

JANUARY - DECEMBER 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
WISCONSIN																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	73	77,545	-	-	14	11	621	1,123,504	-	-	10	6	689	1,304,424
STONE	-	-	-	-	-	-	-	23	9	842	1,472,321	-	-	20	8	493	984,834
SAND AND GRAVEL	-	-	-	-	-	-	-	14	11	1,028	1,506,206	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	73	77,545	-	-	51	31	2,491	4,102,031	-	-	30	14	1,182	2,289,258
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING																	
METAL	-	-	-	-	-	-	-	-	-	1	383	-	-	-	-	-	-
NONMETAL	-	26	9	795	1,604,941	-	-	3	1	202	415,636	-	-	26	10	1,690	3,538,210
STONE	-	-	-	-	-	-	-	3	-	73	149,578	-	-	-	1	131	306,999
SAND AND GRAVEL	-	-	-	-	-	-	-	6	6	431	514,211	-	-	-	-	-	-
TOTAL, M/NM	-	26	9	795	1,604,941	-	-	12	7	707	1,079,808	-	-	26	11	1,821	3,845,209
COAL	-	12	2	308	697,899	3,090,175	-	47	35	6,145	12,651,706	372,682,329	-	1	-	100	187,733
NATION																	
METAL	2	146	79	7,403	15,015,146	-	2	212	82	14,915	31,757,016	-	-	246	101	14,315	30,732,313
NONMETAL	-	66	37	3,157	6,455,691	-	1	92	49	6,426	11,423,498	-	-	192	82	12,446	25,498,853
STONE	-	55	24	2,504	5,474,920	-	1	496	234	27,787	53,889,132	-	1	564	222	26,638	57,066,701
SAND AND GRAVEL	-	-	-	-	-	-	4	308	178	28,813	48,085,915	-	-	-	-	17	10,638
TOTAL, M/NM	2	267	140	13,064	26,945,757	-	8	1,108	543	77,941	145,155,561	-	1	1,002	405	53,416	113,308,505
COAL	8	1,276	534	35,229	77,346,660	306,826,873	1	244	116	23,779	48,979,888	590,135,651	-	124	63	6,905	14,729,699

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

JANUARY - DECEMBER 2015 (FINAL)

Accident Classification	COAL									METAL								
	UNDERGROUND			SURFACE			PREPARATION PLANTS			UNDERGROUND			SURFACE			PREPARATION PLANTS		
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL
Electrical	-	15	1	-	-	-	-	2	-	-	-	-	1	-	-	-	1	1
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	6	3	-	-	-	-	1	-	-	2	1	-	-	-	-	2	2
Explosives and breaking agents	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	1	5	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Fall of face, rib, pillar, side or highwall	2	40	5	-	-	-	-	-	-	-	4	1	-	-	1	-	-	-
Fall of roof or back	1	122	50	-	-	-	-	-	-	1	3	8	-	-	-	-	-	-
Fire	-	-	-	-	-	2	-	-	1	-	1	-	-	1	-	-	1	1
Handling material	-	452	207	-	52	42	-	49	27	-	52	24	-	55	36	-	93	51
Handtools	-	79	113	-	18	26	-	11	13	-	7	18	-	12	6	-	34	21
Nonpowered haulage	-	2	-	-	-	-	-	2	-	-	-	-	-	2	-	-	2	-
Powered haulage	2	118	35	-	37	6	-	5	1	-	19	3	2	43	12	-	9	1
HAULAGE TRUCKS	-	3	1	-	28	2	-	4	1	-	7	2	2	31	9	-	6	-
FRONT-END LOADERS	-	33	14	-	7	4	-	-	-	-	8	-	-	5	1	-	3	1
ALL OTHER Powered haulage	2	82	20	-	2	-	-	1	-	-	4	1	-	7	2	-	-	-
Hoisting	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Machinery	2	97	48	-	26	16	-	10	6	1	12	11	-	21	13	-	17	10
DOZER	-	-	1	-	8	3	-	4	-	-	-	-	-	7	-	-	-	-
DRILL	-	1	4	-	3	-	-	-	1	1	7	3	-	-	3	-	2	-
ALL OTHER Machinery	2	96	43	-	15	13	-	6	5	-	5	8	-	14	10	-	15	10
Slip or fall of person	-	265	48	1	102	19	-	38	9	-	40	10	-	58	12	-	69	8
Stepping or kneeling on object	-	30	3	-	3	2	-	2	2	-	2	-	-	8	1	-	6	-
Striking or bumping	-	17	15	-	-	1	-	1	3	-	-	-	-	1	1	-	3	1
Other	-	26	5	-	5	2	-	3	1	-	4	3	-	9	-	-	9	4
Total	8	1,276	534	1	244	116	-	124	63	2	146	79	2	212	82	-	246	101

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

JANUARY - DECEMBER 2015 (FINAL)

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	1	-	-	-	-	1	1	-	1	-	-	2	2
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	2	-	-	-	-	-	1	1	-	-	-	-	2	2	-	2	2	-	2	-
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	-	1	-	-	-	-	1	-	-	-	-	-	2	2	1	4	1	2	1	1
Fall of face, rib, pillar, side or highwall	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-
Fall of roof or back	-	-	3	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
Handling material	-	21	18	-	28	20	-	83	44	-	19	6	-	189	89	-	234	91	-	111	62
Handtools	-	5	7	-	8	9	-	22	11	-	3	9	-	62	54	-	58	45	-	36	36
Nonpowered haulage	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2	-	1	-	-	-	-
<u>Powered haulage</u>	-	10	-	-	6	-	-	13	6	-	8	2	-	51	14	-	26	9	1	36	8
HAULAGE TRUCKS	-	3	-	-	3	-	-	5	4	-	5	1	-	21	5	-	9	5	1	16	4
FRONT-END LOADERS	-	3	-	-	3	-	-	6	1	-	3	-	-	28	9	-	13	4	-	16	3
ALL OTHER Powered haulage	-	4	-	-	-	-	-	2	1	-	-	1	-	2	-	-	4	-	-	4	1
Hoisting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Ignition or explosion of gas or dust	-	-	-	-	1	-	-	-	-	-	3	-	-	-	-	-	2	-	-	1	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Machinery</u>	-	3	2	1	10	4	-	9	8	-	2	3	1	50	25	-	55	24	1	20	25
DOZER	-	-	-	-	2	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	2
DRILL	-	1	-	-	-	-	-	-	1	-	-	-	-	7	-	-	6	2	-	1	-
ALL OTHER Machinery	-	2	2	1	8	4	-	9	7	-	2	3	1	39	25	-	49	22	1	19	23
Slip or fall of person	-	19	4	-	34	10	-	52	8	-	13	3	-	120	29	-	139	26	-	87	28
Stepping or kneeling on object	-	4	-	-	1	-	-	3	1	-	1	-	-	9	2	-	12	1	-	3	1
Striking or bumping	-	-	1	-	-	2	-	2	-	-	1	-	-	1	4	-	6	5	-	1	8
Other	-	1	1	-	3	2	-	5	2	-	1	1	-	7	10	-	21	18	-	7	6
Total	-	66	37	1	92	49	-	192	82	-	55	24	1	496	234	1	564	222	4	308	178

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 2015 (FINAL)

TYPE OF COAL/WORK LOCATION	Fatal	Fatal IR	NFDL	NFDL IR	NDL	NDL IR	All OCCURENCES	ALL INCIDENT RATES	AVG # EMP	EMP HRS	PRODUCTION
BITUMINOUS COAL											
UNDERGROUND MINES:											
UNDERGROUND OPERATIONS	-	-	63	-	35	-	98	-	-	-	-
SURFACE OPERATIONS AT UNDERGROU	-	-	20	-	6	-	26	-	-	-	-
TOTAL, UNDERGROUND MINES	-	-	83	-	41	-	124	-	-	-	-
SURFACE MINES:											
STRIP OR OPEN PIT	2	-	55	-	29	-	86	-	-	-	-
AUGER	-	-	1	-	-	-	1	-	-	-	-
CULM BANK OR REFUSE PILE	-	-	-	-	-	-	-	-	-	-	-
DREDGE	-	-	-	-	-	-	-	-	-	-	-
TOTAL, SURFACE MINES	2	-	56	-	29	-	87	-	-	-	-
TOTAL, PRODUCTION MINING	2	-	139	-	70	-	211	-	-	-	-
PREPARATION PLANTS	-	-	31	-	14	-	45	-	-	-	-
INDEPENDENT SHOPS OR YARDS	-	-	1	-	-	-	1	-	-	-	-
TOTAL, OTHER OPERATIONS	-	-	32	-	14	-	46	-	-	-	-
Total, BITUMINOUS COAL	2	-	171	-	84	-	257	-	-	-	-
ANTHRACITE COAL											
UNDERGROUND MINES:											
UNDERGROUND OPERATIONS	-	-	-	-	-	-	-	-	-	-	-
SURFACE OPERATIONS AT UNDERGROU	-	-	-	-	-	-	-	-	-	-	-
TOTAL, UNDERGROUND MINES	-	-	-	-	-	-	-	-	-	-	-
SURFACE MINES:											
STRIP OR OPEN PIT	-	-	-	-	-	-	-	-	-	-	-
CULM BANK OR REFUSE PILE	-	-	-	-	-	-	-	-	-	-	-
DREDGE	-	-	-	-	-	-	-	-	-	-	-
TOTAL, SURFACE MINES	-	-	-	-	-	-	-	-	-	-	-
TOTAL, PRODUCTION MINING	-	-	-	-	-	-	-	-	-	-	-
PREPARATION PLANTS	-	-	2	-	-	-	2	-	-	-	-
INDEPENDENT SHOPS OR YARDS	-	-	-	-	-	-	-	-	-	-	-
TOTAL, OTHER OPERATIONS	-	-	2	-	-	-	2	-	-	-	-
Total, ANTHRACITE COAL	-	-	2	-	-	-	2	-	-	-	-
ALL COAL											
UNDERGROUND MINES:											
UNDERGROUND	-	-	63	1.903	35	1.057	98	2.960	5,589	6,620,766	-
SURFACE AT UG	-	-	20	0.628	6	0.189	26	0.817	6,976	6,364,498	-
TOTAL, UNDERGROUND MINES	-	-	83	1.278	41	0.631	124	1.910	12,565	12,985,264	-
SURFACE MINES:											
STRIP MINES	2	0.029	55	0.795	29	0.419	86	1.244	13,350	13,830,713	169,573
AUGER MINES	-	-	1	1.884	-	-	1	1.884	218	106,144	-
CULM BANK	-	-	-	-	-	-	-	-	520	393,988	-
DREDGE	-	-	-	-	-	-	-	-	24	11,182	-
TOTAL, SURFACE MINES	2	0.028	56	0.781	29	0.404	87	1.213	14,112	14,342,027	169,573
TOTAL, PRODUCTION MINING	2	0.015	139	1.017	70	0.512	211	1.544	26,677	27,327,291	169,573
PREPARATION PLANTS	-	-	33	0.963	14	0.409	47	1.372	5,818	6,851,432	-
INDEPENDENT SHOPS/YARDS	-	-	1	1.089	-	-	1	1.089	97	183,652	-
TOTAL, OTHER OPERATIONS	-	-	34	0.967	14	0.398	48	1.365	5,915	7,035,084	-
Total, ALL COAL	2	0.012	173	1.007	84	0.489	259	1.507	32,592	34,362,375	169,573
OFFICeworkERS											
BITUMINOUS COAL	-	-	2	-	2	-	4	-	-	-	-
ANTHRACITE COAL	-	-	-	-	-	-	-	-	-	-	-
TOTAL, OFFICeworkERS	-	-	2	0.175	2	0.175	4	0.350	1,766	2,285,802	-
GRAND TOTAL	2	0.011	175	0.955	86	0.469	263	1.435	34,358	36,648,177	169,573

TABLE 6. NUMBER OF CONTRACTOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY JANUARY - DECEMBER 2015 (FINAL)

WORK LOCATION/MINERAL INDUSTRY	Fatal	Fatal IR	NFDL	NFDL IR	NDL	NDL IR	ALL OCCURENCES	ALL INCIDENT RATES	AVG # EMP	EMP HRS
UNDERGROUND MINES	-	-	-	-	-	-	-	-	-	-
METAL	1	-	19	0.465	23	0.563	43	1.053	-	-
NONMETAL	-	-	6	-	3	-	9	-	-	-
STONE	-	-	14	-	3	-	17	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, UNDERGROUND MINES	1	-	39	0.955	29	0.710	69	1.689	9,667	8,170,247
SURFACE MINES	-	-	-	-	-	-	-	-	-	-
METAL	-	-	50	0.233	36	0.168	86	0.401	-	-
NONMETAL	-	-	14	-	13	-	27	-	-	-
STONE	1	-	70	-	35	-	106	-	-	-
SAND AND GRAVEL	2	-	19	-	5	-	26	-	-	-
TOTAL, SURFACE MINES	3	-	153	0.714	89	0.415	245	1.144	45,214	42,849,455
TOTAL, MINES	4	0.016	192	0.753	118	0.463	314	1.231	54,881	51,019,702
MILLS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	49	0.481	31	0.305	80	0.786	-	-
NONMETAL	1	-	10	-	15	-	26	-	-	-
STONE	1	-	74	-	57	-	132	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, MILLS	2	-	133	1.307	103	1.012	238	2.338	19,561	20,357,072
INDEPENDENT SHOPS AND YARDS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, INDEPENDENT SHOPS AND YARDS	-	-	-	-	-	-	-	-	1	73
ALL MINES, MILLS AND SHOPS	-	-	-	-	-	-	-	-	-	-
METAL	1	-	118	0.331	90	0.252	209	0.586	-	-
NONMETAL	1	-	30	-	31	-	62	-	-	-
STONE	2	-	158	-	95	-	255	-	-	-
SAND AND GRAVEL	2	-	19	-	5	-	26	-	-	-
TOTAL, ALL MINES, MILLS AND SHOPS	6	0.017	325	0.911	221	0.619	552	1.547	74,443	71,376,847
OFFICEWORKERS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	2	0.098	1	0.049	3	0.147	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-
STONE	-	-	1	-	1	-	2	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, OFFICEWORKERS	-	-	3	0.147	2	0.098	5	0.244	3,234	4,093,565
SUMMARY TOTAL (INCLUDING OFFICEWORKERS)	-	-	-	-	-	-	-	-	-	-
METAL	1	-	120	0.318	91	0.241	212	0.562	-	-
NONMETAL	1	-	30	-	31	-	62	-	-	-
STONE	2	-	159	-	96	-	257	-	-	-
SAND AND GRAVEL	2	-	19	-	5	-	26	-	-	-
GRAND TOTAL	6	0.016	328	0.869	223	0.591	557	1.476	77,677	75,470,412

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

JANUARY - DECEMBER 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
ALABAMA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
STONE	-	-	-	-	-	-	-	5	1	-	-	-	-	3	4	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	5	1	-	-	-	-	3	6	-	-
COAL	-	1	1	-	-	-	-	1	1	-	-	-	-	1	-	-	-
ALASKA																	
METAL	-	4	2	-	-	-	-	2	6	-	-	-	-	5	4	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	4	2	-	-	-	-	2	6	-	-	-	-	5	4	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA																	
METAL	-	3	-	-	-	-	-	16	8	-	-	-	-	16	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	2	-	-	-	-	1	2	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	3	-	-	-	-	-	18	10	-	-	-	-	17	3	-	-
COAL	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
ARKANSAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	1	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA																	
METAL	-	-	-	-	-	-	-	2	2	-	-	-	-	1	3	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
STONE	-	-	-	-	-	-	-	2	1	-	-	-	-	13	3	-	-
SAND AND GRAVEL	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	5	3	-	-	-	-	14	7	-	-
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 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
COLORADO																	
METAL	-	-	-	-	-	-	-	2	4	-	-	-	-	-	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	4	5	-	-	-	-	-	1	-	-
COAL	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	3	2	-	-	-	-	2	-	-	-
STONE	-	-	-	-	-	-	-	2	-	-	-	-	-	1	3	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	6	2	-	-	-	-	3	3	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	2	-	-	-	-	1	2	3	-	-
STONE	-	-	-	-	-	-	-	3	-	-	-	-	-	3	5	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	6	-	-	-	-	1	5	8	-	-
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 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL				Fatal	NFDL	NDL				Fatal	NFDL	NDL		
HAWAII																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO																	
METAL	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	3	3	-	-	-	-	1	2	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	4	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	-	-	-	-	-	5	2	-	-
COAL	-	5	5	-	-	-	-	-	1	-	-	-	-	2	1	-	-
INDIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	1	-	-	-	-	2	-	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	-	1	-	-	-	-	2	2	-	-
IOWA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	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 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
KANSAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	1	-	-	-	-	-	4	-	-	-	-	-	3	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	-	-	-	-	4	-	-	-	-	-	3	1	-	-
COAL	-	10	3	-	-	-	1	8	3	-	-	-	-	6	-	-	-
LOUISIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	-
COAL	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
MAINE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	4	4	-	-	-	-	-	4	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	5	5	-	-	-	-	-	4	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	-	-

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

JANUARY - DECEMBER 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
MASSACHUSETTS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	-	-
NONMETAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	4	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	-	-	-	-	2	-	-	-	-	-	2	8	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA																	
METAL	-	-	-	-	-	-	-	2	1	-	-	-	-	4	3	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	4	2	-	-	-	-	4	3	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSISSIPPI																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI																	
METAL	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
STONE	-	6	-	-	-	-	-	2	1	-	-	-	1	-	3	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	6	1	-	-	-	-	2	2	-	-	-	1	-	3	-	-
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 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
MONTANA																	
METAL	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
STONE	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	2	-	-	-	-	-	1	-	-	-	-	1	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEBRASKA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA																	
METAL	1	6	11	-	-	-	-	17	8	-	-	-	-	9	5	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-
STONE	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	1	6	11	-	-	-	-	17	11	-	-	-	-	10	7	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW HAMPSHIRE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
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 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
NEW MEXICO																	
METAL	-	-	4	-	-	-	-	5	5	-	-	-	-	2	2	-	-
NONMETAL	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	4	-	-	-	-	5	6	-	-	-	-	2	2	-	-
COAL	-	-	1	-	-	-	-	3	1	-	-	-	-	1	-	-	-
NEW YORK																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	3	2	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	-	-	-	-	-	3	2	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	2	1	-	-	-	-	1	-	-	-
STONE	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	4	2	-	-	-	-	1	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DAKOTA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	3	3	-	-	-	-	1	-	-	-
OHIO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-
COAL	-	4	-	-	-	-	-	-	-	-	-	-	-	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 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
OKLAHOMA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	2	-	-	-	-	6	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	2	-	-	-	-	6	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STONE	-	5	2	-	-	-	-	5	4	-	-	-	-	6	2	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	5	2	-	-	-	-	6	4	-	-	-	-	6	2	-	-
BITUMINOUS COAL	-	21	9	-	-	-	-	-	2	-	-	-	-	4	2	-	-
ARTHACITE COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
COAL	-	21	9	-	-	-	-	-	2	-	-	-	-	6	2	-	-
PUERTO RICO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RHODE ISLAND																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS					
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES					
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	
SOUTH CAROLINA																		
METAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE																		
METAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	-	-	-	-	1	1	-	-	-	-	-	1	-	-	-
COAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	-	-	-
NONMETAL	-	-	2	-	-	-	-	3	1	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	9	5	-	-	-	-	15	14	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	2	-	-	-	-	16	6	-	-	-	-	19	19	-	-	-
COAL	-	-	-	-	-	-	-	10	3	-	-	-	-	-	-	-	-	-
UTAH																		
METAL	-	-	-	-	-	-	-	3	2	-	-	-	-	3	1	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	3	2	-	-	-	-	3	1	-	-	-
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 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
VERMONT																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGIN ISLANDS OF THE U S																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	2	-	-	-	-	-	-	3	-	-
STONE	-	-	-	-	-	-	-	7	1	-	-	-	-	6	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	10	1	-	-	-	-	6	3	-	-
COAL	-	-	1	-	-	-	-	4	1	-	-	-	-	1	-	-	-
WASHINGTON																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
WEST VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
STONE	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
COAL	-	38	17	-	-	-	1	14	4	-	-	-	-	9	5	-	-

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

JANUARY - DECEMBER 2015 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
WISCONSIN																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-
STONE	-	-	-	-	-	-	-	4	-	-	-	-	-	2	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	7	3	-	-	-	-	3	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	2	1	-	-	-	-	-	2	-	-	-	-	2	3	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	1	-	-	-	-	-	2	-	-	-	-	2	3	-	-
COAL	-	-	-	-	-	-	-	9	6	-	-	-	-	1	-	-	-
NATION																	
METAL	1	19	23	-	-	-	-	50	36	-	-	-	-	49	31	-	-
NONMETAL	-	6	3	-	-	-	-	14	13	-	-	-	1	10	15	-	-
STONE	-	14	3	-	-	-	1	70	35	-	-	-	1	74	57	-	-
SAND AND GRAVEL	-	-	-	-	-	-	2	19	5	-	-	-	-	-	-	-	-
TOTAL, M/NM	1	39	29	9,667	8,170,247	-	3	153	89	45,214	42,849,455	-	2	133	103	19,562	20,357,145
COAL	-	83	41	12,565	12,985,264	-	2	56	29	14,112	14,342,027	169,573	-	34	14	5,915	7,035,084

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

JANUARY - DECEMBER 2015 (FINAL)

Accident Classification	COAL									METAL									
	UNDERGROUND			SURFACE			PREPARATION PLANTS			UNDERGROUND			SURFACE			PREPARATION PLANTS			
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	
Electrical	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	2	-	-
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Fall of face, rib, pillar, side or highwall	-	3	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Fall of roof or back	-	2	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Handling material	-	30	18	-	16	9	-	13	7	-	6	8	-	20	13	-	22	13	-
Handtools	-	6	8	-	2	8	-	1	-	-	-	4	-	3	8	-	4	4	-
Nonpowered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Powered haulage</u>	-	11	3	1	4	2	-	3	1	-	2	-	-	3	2	-	3	2	-
HAULAGE TRUCKS	-	2	-	1	3	1	-	2	1	-	2	-	-	2	1	-	2	2	-
FRONT-END LOADERS	-	3	1	-	1	1	-	-	-	-	-	-	-	1	-	-	1	-	-
ALL OTHER Powered haulage	-	6	2	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
Hoisting	-	-	-	-	1	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Ignition or explosion of gas or dust	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Machinery</u>	-	7	1	1	13	5	-	3	1	-	3	5	-	6	5	-	3	7	-
DOZER	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
DRILL	-	-	-	-	1	-	-	-	-	-	2	3	-	2	1	-	-	-	-
ALL OTHER Machinery	-	6	1	1	12	5	-	2	1	-	1	1	-	4	4	-	3	7	-
Slip or fall of person	-	18	7	-	16	4	-	13	2	-	5	2	-	16	4	-	11	2	-
Stepping or kneeling on object	-	3	1	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	1
Striking or bumping	-	1	-	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-	1
Other	-	-	-	-	1	1	-	-	-	-	-	2	-	1	3	-	4	-	-
Total	-	83	41	2	56	29	-	34	14	-	1	19	23	-	50	36	-	49	31

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

JANUARY - DECEMBER 2015 (FINAL)

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	-	-	1	-
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-
Falling, rolling, or sliding material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fall of face, rib, pillar, side or highwall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fall of roof or back	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Handling material	-	3	-	-	3	3	-	6	2	-	9	2	-	26	10	-	19	27	-	8	3	
Handtools	-	-	-	-	1	3	-	-	1	-	-	-	-	4	12	-	5	9	-	2	1	
Nonpowered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	
<u>Powered haulage</u>	-	-	-	-	3	-	-	1	-	-	-	-	-	3	2	-	4	1	-	3	-	
HAULAGE TRUCKS	-	-	-	-	1	-	-	1	-	-	-	-	-	2	1	-	4	1	-	1	-	
FRONT-END LOADERS	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	
ALL OTHER Powered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	
Hoisting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Machinery</u>	-	1	-	-	1	5	-	-	7	-	-	1	1	8	7	-	13	10	1	1	-	
DOZER	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
DRILL	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	
ALL OTHER Machinery	-	1	-	-	-	3	-	-	6	-	-	1	1	8	6	-	13	8	1	1	-	
Slip or fall of person	-	2	2	-	5	2	-	3	4	-	3	-	-	22	3	1	17	5	-	4	1	
Stepping or kneeling on object	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	3	-	-	-	-	
Striking or bumping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Other	-	-	-	-	1	-	1	-	1	-	1	-	-	1	1	-	3	3	-	-	-	
Total	-	6	3	-	14	13	1	10	15	-	14	3	1	70	35	1	74	57	2	19	5	