

Mine Injury and Worktime, Quarterly

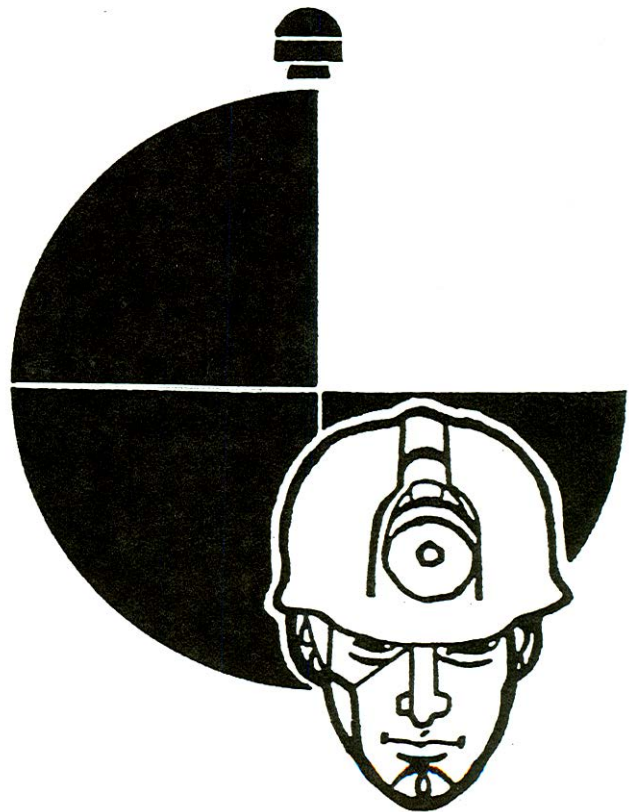


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This publication has been reviewed and approved for distribution to the mining public by the Office of the Assistant Secretary for Mine Safety and Health.

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LIMITATIONS AND SCOPE OF DATA

In order to maintain consistency with prior years, fatalities occurring to independent contractor employees are included in chart 1. However, beginning in 1983, tabular data on independent contractors are depicted separately from operator data. Independent contractors have been exempted from reporting employment and injury information relating to “low hazard” activities performed at mining operations. Mandatory information now is limited to their activities which involve: mine development; construction, reconstruction or demolition of mine facilities; construction of dams; excavation or earth moving; equipment installation, service or repair; material handling; drilling or blasting. Also, data collected for employment and hours worked in those activities reflect the contractor’s total metallic/nonmetallic work locations and total coal work locations and not the individual mine sites. For more detailed information concerning these changes, see the guidelines accompanying MSHA Policy Memoranda Nos. 82-6A MM and 81-35A C.

All current-year data presented in this publication are preliminary and subject to change. 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. Compilations are based on reports received at the Office of Injury and Employment Information as of the 25th of the month (or first subsequent workday) following the end of the reported quarter. Any injuries reported for mines that do not have employee-hours in file for the same time period and sub-unit are not counted or used in computation of incidence rates.

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,
2014, 2015 and 2016 through 3rd Quarter

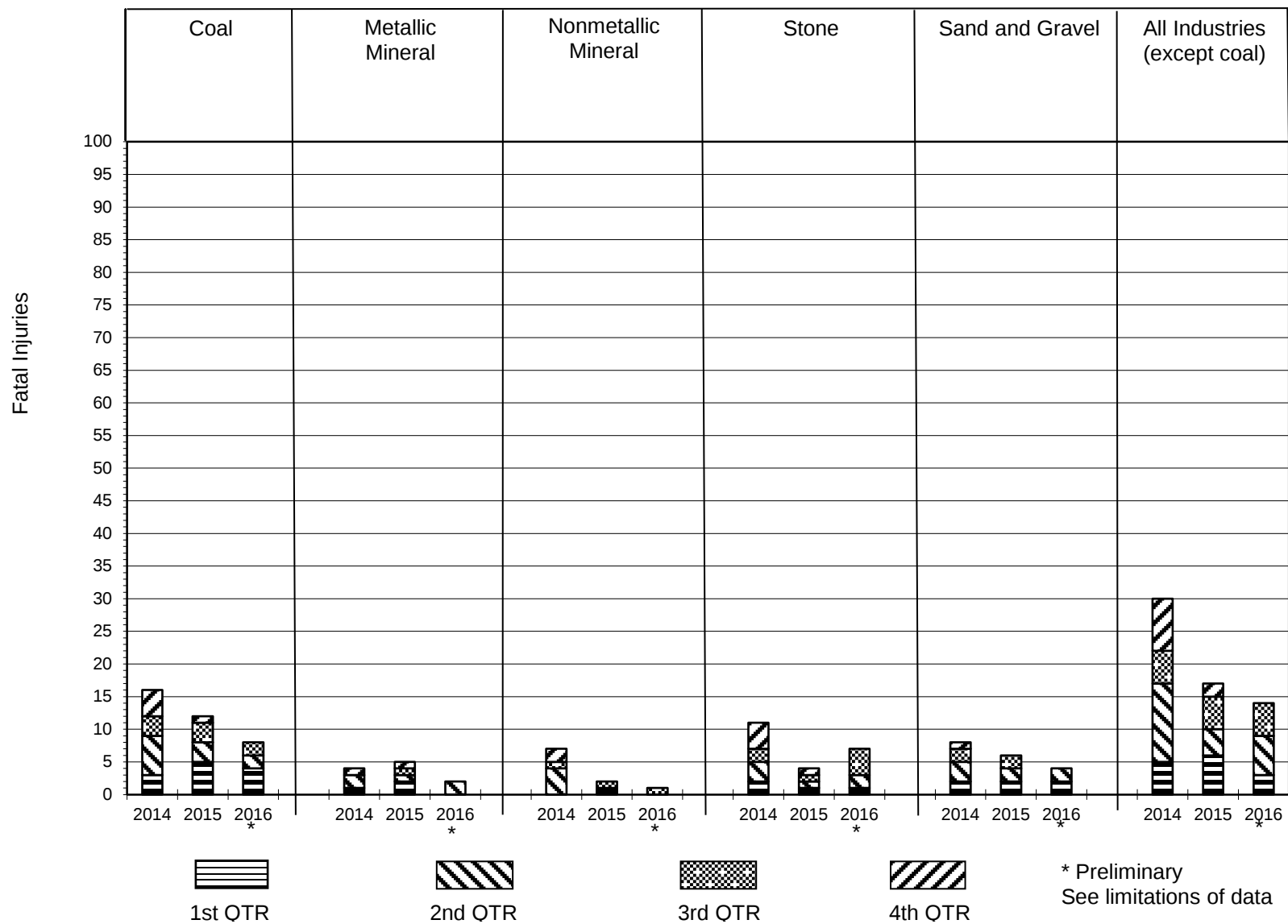


TABLE 1. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS, AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION
JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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	6	0.031	705	3.605	277	1.416	988	5.051	23,959	39,117,703	184,576,319
SURFACE AT UG	2	0.146	38	2.772	19	1.386	59	4.304	1,807	2,741,326	-
TOTAL, UNDERGROUND MINES	8	0.038	743	3.550	296	1.414	1,047	5.003	25,766	41,859,029	184,576,319
SURFACE MINES:											
STRIP MINES	-	-	109	0.763	55	0.385	164	1.147	18,662	28,588,075	328,788,968
AUGER MINES	-	-	2	1.782	-	-	2	1.782	244	224,468	1,198,310
OTHER SURFACE MINES	-	-	-	-	-	-	-	-	126	154,065	608,831
TOTAL, SURFACE MINES	-	-	111	0.766	55	0.380	166	1.146	19,032	28,966,608	330,596,109
TOTAL, PRODUCTION MINING	8	0.023	854	2.412	351	0.991	1,213	3.425	44,798	70,825,637	515,172,428
PREPARATION PLANTS	-	-	50	1.349	26	0.701	76	2.051	4,803	7,412,780	-
INDEPENDENT SHOPS OR YARDS	-	-	2	1.007	3	1.510	5	2.517	248	397,343	-
TOTAL, OTHER OPERATIONS	-	-	52	1.332	29	0.743	81	2.074	5,051	7,810,123	-
Total, BITUMINOUS COAL	8	0.020	906	2.304	380	0.966	1,294	3.291	49,849	78,635,760	515,172,428
ANTHRACITE COAL											
UNDERGROUND MINES:											
UNDERGROUND	-	-	-	-	-	-	-	-	49	56,477	67,229
SURFACE AT UG	-	-	-	-	-	-	-	-	13	17,173	-
TOTAL, UNDERGROUND MINES	-	-	-	-	-	-	-	-	62	73,650	67,229
SURFACE MINES:											
STRIP MINES	-	-	12	3.555	2	0.592	14	4.147	498	675,111	1,122,068
CULM BANK	-	-	1	1.393	-	-	1	1.393	106	143,562	22,194
TOTAL, SURFACE MINES	-	-	13	3.176	2	0.489	15	3.664	604	818,673	1,144,262
TOTAL, PRODUCTION MINING	-	-	13	2.914	2	0.448	15	3.362	666	892,323	1,211,491
PREPARATION PLANTS	-	-	15	5.358	5	1.786	20	7.145	369	559,870	-
INDEPENDENT SHOPS OR YARDS	-	-	-	-	-	-	-	-	7	8,397	-
TOTAL, OTHER OPERATIONS	-	-	15	5.279	5	1.760	20	7.039	376	568,267	-
Total, ANTHRACITE COAL	-	-	28	3.834	7	0.959	35	4.793	1,042	1,460,590	1,211,491
ALL COAL											
UNDERGROUND MINES:											
UNDERGROUND	6	0.031	705	3.599	277	1.414	988	5.044	24,008	39,174,180	184,643,548
SURFACE AT UG	2	0.145	38	2.755	19	1.378	59	4.278	1,820	2,758,499	-
TOTAL, UNDERGROUND MINES	8	0.038	743	3.544	296	1.412	1,047	4.994	25,828	41,932,679	184,643,548
SURFACE MINES:											
STRIP MINES	-	-	121	0.827	57	0.390	178	1.217	19,160	29,263,186	329,911,036
AUGER MINES	-	-	2	1.782	-	-	2	1.782	244	224,468	1,198,310
CULM BANK	-	-	1	0.686	-	-	1	0.686	226	291,658	568,433
DREDGE	-	-	-	-	-	-	-	-	6	5,969	62,592
TOTAL, SURFACE MINES	-	-	124	0.833	57	0.383	181	1.215	19,636	29,785,281	331,740,371
TOTAL, PRODUCTION MINING	8	0.022	867	2.418	353	0.984	1,228	3.425	45,464	71,717,960	516,383,919
PREPARATION PLANTS	-	-	65	1.631	31	0.778	96	2.408	5,172	7,972,650	-
INDEPENDENT SHOPS/YARDS	-	-	2	0.986	3	1.479	5	2.465	255	405,740	-
TOTAL, OTHER OPERATIONS	-	-	67	1.599	34	0.812	101	2.411	5,427	8,378,390	-
Total, ALL COAL	8	0.020	934	2.332	387	0.966	1,329	3.319	50,891	80,096,350	516,383,919
OFFICEWORKERS											
BITUMINOUS COAL	-	-	-	-	3	0.181	3	0.181	2,293	3,323,016	-
ANTHRACITE COAL	-	-	1	1.477	-	-	1	1.477	99	135,452	-
TOTAL, OFFICEWORKERS	-	-	1	0.058	3	0.173	4	0.231	2,392	3,458,468	-
GRAND TOTAL	8	0.019	935	2.238	390	0.934	1,333	3.191	53,283	83,554,818	516,383,919

TABLE 2. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES,
AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY
JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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	-	-	92	1.811	45	0.886	137	2.697	6,657	10,157,782
NONMETAL	-	-	32	1.542	18	0.867	50	2.409	2,840	4,150,693
STONE	-	-	40	1.919	18	0.864	58	2.783	2,491	4,168,612
TOTAL, UNDERGROUND MINES	-	-	164	1.775	81	0.877	245	2.652	11,988	18,477,087
SURFACE MINES										
METAL	-	-	138	1.241	50	0.450	188	1.690	13,876	22,246,820
NONMETAL	-	-	45	1.057	30	0.704	75	1.761	6,046	8,517,793
STONE	4	0.019	372	1.764	161	0.763	537	2.547	28,151	42,174,503
SAND AND GRAVEL	3	0.016	241	1.301	130	0.702	374	2.019	28,699	37,040,907
TOTAL, SURFACE MINES	7	0.013	796	1.448	371	0.675	1,174	2.135	76,772	109,980,023
TOTAL, MINES	7	0.011	960	1.495	452	0.704	1,419	2.209	88,760	128,457,110
MILLS										
METAL	1	0.010	158	1.555	66	0.649	225	2.214	12,267	20,325,023
NONMETAL	1	0.011	115	1.290	50	0.561	166	1.861	11,669	17,835,800
STONE	1	0.005	405	1.874	213	0.985	619	2.864	26,354	43,227,274
TOTAL, MILLS	3	0.007	678	1.666	329	0.808	1,010	2.482	50,290	81,388,097
INDEPENDENT SHOPS AND YARDS										
METAL	-	-	1	2.519	-	-	1	2.519	41	79,391
NONMETAL	-	-	-	-	-	-	-	-	12	21,598
STONE	-	-	3	1.912	4	2.550	7	4.462	234	313,779
TOTAL, INDEPENDENT SHOPS AND YARDS	-	-	4	1.929	4	1.929	8	3.858	287	414,768
ALL MINES, MILLS AND SHOPS										
METAL	1	0.004	389	1.473	161	0.610	551	2.087	32,841	52,809,016
NONMETAL	1	0.007	192	1.258	98	0.642	291	1.907	20,567	30,525,884
STONE	5	0.011	820	1.825	396	0.881	1,221	2.717	57,230	89,884,168
SAND AND GRAVEL	3	0.016	241	1.301	130	0.702	374	2.019	28,699	37,040,907
TOTAL, ALL MINES, MILLS AND SHOPS	10	0.010	1,642	1.562	785	0.747	2,437	2.318	139,337	210,259,975
OFFICEWORKERS										
METAL	-	-	6	0.194	1	0.032	7	0.226	4,200	6,200,204
NONMETAL	-	-	1	0.037	-	-	1	0.037	3,921	5,435,204
STONE	-	-	6	0.083	3	0.041	9	0.124	10,092	14,491,528
SAND AND GRAVEL	-	-	-	-	3	0.119	3	0.119	5,990	5,043,262
TOTAL, OFFICEWORKERS	-	-	13	0.083	7	0.045	20	0.128	24,203	31,170,198
SUMMARY TOTAL (INCLUDING OFFICEWORKERS)										
METAL	1	0.003	395	1.339	162	0.549	558	1.891	37,041	59,009,220
NONMETAL	1	0.006	193	1.073	98	0.545	292	1.624	24,488	35,961,088
STONE	5	0.010	826	1.583	399	0.765	1,230	2.357	67,322	104,375,696
SAND AND GRAVEL	3	0.014	241	1.145	133	0.632	377	1.792	34,689	42,084,169
GRAND TOTAL	10	0.008	1,655	1.371	792	0.656	2,457	2.035	163,540	241,430,173

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

Underground Mines						
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production
	Fatal	NFDL	NDL			
ALABAMA						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	14	19,146	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	14	19,146	-
COAL	-	40	8	1,203	1,863,733	4,905,316
ALASKA						
METAL	-	12	6	672	1,118,671	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	12	6	672	1,118,671	-
COAL	-	-	-	-	-	-
AMERICAN SAMOA						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-
COAL	-	-	-	-	-	-
ARIZONA						
METAL	-	1	-	106	137,102	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	106	137,102	-
COAL	-	-	-	-	-	-
ARKANSAS						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	50	77,138	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	50	77,138	-
COAL	-	-	-	40	23,399	18,036

Surface Operations					
NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production
Fatal	NFDL	NDL			
-	-	-	5	3,158	-
-	-	-	90	99,233	-
-	2	-	682	1,120,900	-
-	8	1	472	801,576	-
-	10	1	1,249	2,024,867	-
-	3	-	510	806,642	1,565,176
-	9	2	763	1,239,304	-
-	-	-	-	-	-
-	-	-	87	76,269	-
-	1	1	451	254,615	-
-	10	3	1,301	1,570,188	-
-	1	-	90	129,956	720,794
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	17	22,452	-
-	-	-	17	22,452	-
-	-	-	-	-	-
-	44	15	3,516	5,275,068	-
-	-	2	59	79,321	-
-	5	2	554	835,694	-
-	15	5	1,165	1,644,458	-
-	64	24	5,294	7,834,541	-
-	3	-	299	566,847	4,038,795
-	-	-	11	13,792	-
-	-	-	125	180,547	-
1	12	5	823	1,345,582	-
-	3	-	250	404,613	-
1	15	5	1,209	1,944,534	-
-	-	-	15	23,804	11,478

MILLS AND PREP PLANTS				
NUMBER OF INJURIES				
Fatal	NFDL	NDL	AVG # EMP	EMP HRS
-	-	-	19	29,537
-	2	-	199	318,892
-	24	13	1,410	2,346,347
-	-	-	-	-
-	26	13	1,628	2,694,776
-	3	4	233	345,788
-	4	1	544	939,617
-	-	-	-	-
-	-	-	11	16,297
-	-	-	-	-
-	4	1	555	955,914
-	-	-	7	4,622
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
1	41	21	3,374	5,394,262
-	-	-	52	83,420
-	4	2	211	335,934
-	-	-	-	-
1	45	23	3,637	5,813,616
-	1	-	72	108,331
-	5	-	256	328,930
-	-	1	27	22,532
-	5	3	519	940,550
-	-	-	-	-
-	10	4	802	1,292,012
-	-	-	10	6,837

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
CALIFORNIA																	
METAL	-	1	1	38	34,913	-	-	7	3	371	542,278	-	-	3	-	116	178,873
NONMETAL	-	-	-	12	3,465	-	-	5	3	521	717,978	-	-	3	11	751	1,154,768
STONE	-	-	-	-	-	-	-	19	7	974	1,403,390	-	-	34	9	1,153	1,821,821
SAND AND GRAVEL	-	-	-	-	-	-	-	34	6	2,480	3,803,908	-	-	-	-	-	-
TOTAL, M/NM	-	1	1	50	38,378	-	-	65	19	4,346	6,467,554	-	-	40	20	2,020	3,155,462
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO																	
METAL	-	2	-	174	251,685	-	-	4	1	493	843,201	-	-	3	-	451	746,583
NONMETAL	-	-	-	-	-	-	-	-	1	80	81,725	-	-	-	-	6	9,683
STONE	-	-	1	29	47,722	-	-	11	8	417	625,984	-	-	5	-	335	510,645
SAND AND GRAVEL	-	-	-	-	-	-	-	12	12	1,086	1,361,711	-	-	-	-	-	-
TOTAL, M/NM	-	2	1	203	299,407	-	-	27	22	2,076	2,912,621	-	-	8	-	792	1,266,911
COAL	-	4	7	823	1,349,760	5,832,181	-	2	1	337	520,514	2,785,852	-	-	-	72	111,365
COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	89	114,231	-	-	-	-	68	37,540
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	21	5,942	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	110	120,173	-	-	-	-	68	37,540
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	5	4	299	408,263	-	-	-	1	123	186,626
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	187	215,401	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	6	4	486	623,664	-	-	-	1	123	186,626
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	38,067
NONMETAL	-	-	-	-	-	-	-	-	-	5	3,065	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	31	51,691	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	-	36	54,756	-	-	-	-	31	38,067
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
FLORIDA																	
METAL	-	-	-	-	-	-	-	-	-	8	12,425	-	-	1	-	71	110,678
NONMETAL	-	-	-	-	-	-	-	7	4	810	1,423,562	-	-	4	2	573	1,004,394
STONE	-	-	-	-	-	-	-	8	3	1,039	1,860,633	-	-	17	7	1,094	1,778,019
SAND AND GRAVEL	-	-	-	-	-	-	-	3	2	368	612,539	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	18	9	2,225	3,909,159	-	-	22	9	1,738	2,893,091
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	3	-	243	362,882	-	-	11	6	2,077	3,205,184
STONE	-	1	-	111	184,641	-	-	6	2	729	1,185,321	-	-	12	9	922	1,717,537
SAND AND GRAVEL	-	-	-	-	-	-	-	3	4	275	440,310	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	111	184,641	-	-	12	6	1,247	1,988,513	-	-	23	15	2,999	4,922,721
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GUAM																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAWAII																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	5	2	248	360,171	-	-	1	-	26	44,963
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	30	26,751	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	5	2	278	386,922	-	-	1	-	26	44,963
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO																	
METAL	-	14	7	474	675,568	-	-	-	-	4	2,929	-	-	2	1	111	163,570
NONMETAL	-	-	-	-	-	-	-	1	1	369	554,586	-	-	1	-	110	146,843
STONE	-	-	-	-	-	-	-	-	1	272	269,667	-	-	-	-	37	58,169
SAND AND GRAVEL	-	-	-	-	-	-	-	-	4	609	623,388	-	-	-	-	-	-
TOTAL, M/NM	-	14	7	474	675,568	-	-	1	6	1,254	1,450,570	-	-	3	1	258	368,582
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
ILLINOIS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	16,486
NONMETAL	-	-	-	-	-	-	-	2	2	128	203,148	-	-	7	-	327	539,120
STONE	-	4	1	193	344,192	-	-	10	2	710	1,086,421	-	-	19	6	855	1,496,780
SAND AND GRAVEL	-	-	-	-	-	-	-	5	1	427	606,526	-	-	-	-	-	-
TOTAL, M/NM	-	4	1	193	344,192	-	-	17	5	1,265	1,896,095	-	-	26	6	1,197	2,052,386
COAL	1	74	46	2,485	4,296,854	30,858,674	-	1	5	215	346,867	1,851,177	-	1	3	392	655,171
INDIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4,421
NONMETAL	-	-	-	16	32,260	-	-	-	-	23	24,066	-	-	1	-	206	286,282
STONE	-	3	2	142	244,003	-	-	17	4	665	1,039,037	-	-	28	13	1,130	1,805,543
SAND AND GRAVEL	-	-	-	-	-	-	-	7	5	541	830,030	-	-	-	-	-	-
TOTAL, M/NM	-	3	2	158	276,263	-	-	24	9	1,229	1,893,133	-	-	29	13	1,339	2,096,246
COAL	-	29	11	1,315	2,206,046	8,977,051	-	10	-	1,198	2,077,601	12,487,336	-	3	2	296	517,879
IOWA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	9	21,876
NONMETAL	-	3	1	103	155,039	-	-	-	-	102	92,589	-	-	-	-	102	142,940
STONE	-	3	4	238	424,715	-	1	7	6	819	1,177,655	-	-	8	7	490	829,555
SAND AND GRAVEL	-	-	-	-	-	-	-	2	7	470	526,435	-	-	-	-	-	-
TOTAL, M/NM	-	6	5	341	579,754	-	1	9	13	1,391	1,796,679	-	-	9	7	601	994,371
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	2	1	125	191,706	-	-	-	-	26	32,356	-	-	1	1	104	124,426
STONE	-	-	-	11	9,333	-	-	4	3	567	785,545	-	-	4	6	307	434,600
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	277	354,490	-	-	-	-	-	-
TOTAL, M/NM	-	2	1	136	201,039	-	-	5	4	870	1,172,391	-	-	5	7	411	559,026
COAL	-	-	-	-	-	-	-	-	-	12	8,685	26,788	-	-	-	-	-
KENTUCKY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	36	50,457	-	-	-	2	61	99,017
STONE	-	4	4	443	667,025	-	-	7	8	646	1,047,878	-	-	4	10	901	1,425,000
SAND AND GRAVEL	-	-	-	-	-	-	-	2	2	121	189,478	-	-	-	-	-	-
TOTAL, M/NM	-	4	4	443	667,025	-	-	9	10	803	1,287,813	-	-	4	12	962	1,524,017
COAL	2	128	67	4,251	7,288,461	24,131,951	-	17	2	1,413	1,943,837	7,431,510	-	14	6	955	1,422,573

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

Underground Mines						
	NUMBER OF INJURIES					
STATE AND MINERAL INDUSTRY	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production
LOUISIANA						
METAL	-	-	-	-	-	-
NONMETAL	-	5	5	423	656,578	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	5	5	423	656,578	-
COAL	-	-	-	-	-	-
MAINE						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	4	3,152	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	4	3,152	-
COAL	-	-	-	-	-	-
MARYLAND						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	1	-	19	18,474	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	19	18,474	-
COAL	-	1	1	132	210,223	528,329
MASSACHUSETTS						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-
COAL	-	-	-	-	-	-
MICHIGAN						
METAL	-	-	-	20	32,638	-
NONMETAL	-	-	-	45	96,307	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	65	128,945	-
COAL	-	-	-	-	-	-

Surface Operations					
NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production
Fatal	NFDL	NDL			
-	-	-	-	-	-
-	-	-	7	5,020	-
-	1	-	13	15,545	-
-	1	-	552	786,134	-
-	2	-	572	806,699	-
-	1	3	292	526,496	1,992,841
-	-	-	-	-	-
-	-	-	4	731	-
-	1	1	183	168,709	-
-	2	2	548	464,786	-
-	3	3	735	634,226	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	21	30,205	-
-	4	2	222	362,752	-
-	4	-	254	377,342	-
-	8	2	497	770,299	-
-	1	2	155	217,498	532,904
-	-	-	-	-	-
-	-	-	18	23,712	-
-	9	3	363	523,080	-
-	2	-	304	313,483	-
-	11	3	685	860,275	-
-	-	-	-	-	-
-	4	-	439	777,065	-
-	1	1	76	108,584	-
-	6	5	251	399,781	-
-	5	9	1,166	1,300,087	-
-	16	15	1,932	2,585,517	-
-	-	-	-	-	-

MILLS AND PREP PLANTS				
NUMBER OF INJURIES			AVG # EMP	EMP HRS
Fatal	NFDL	NDL		
-	17	4	635	1,053,439
-	3	-	227	354,997
-	-	-	10	20,510
-	-	-	-	-
-	20	4	872	1,428,946
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	2	86	103,746
-	-	-	-	-
-	-	2	86	103,746
-	-	-	-	-
-	-	-	-	-
-	5	2	483	836,800
-	-	-	-	-
-	5	2	483	836,800
-	1	2	49	62,448
-	-	-	-	-
-	-	-	-	-
-	2	2	285	401,177
-	-	-	-	-
-	2	2	285	401,177
-	-	-	-	-
-	7	8	614	1,086,809
-	-	-	16	17,352
-	9	6	519	863,295
-	-	-	-	-
-	16	14	1,149	1,967,456
-	-	-	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

Underground Mines						
	NUMBER OF INJURIES					
STATE AND MINERAL INDUSTRY	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production
MINNESOTA						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-
COAL	-	-	-	-	-	-
MISSISSIPPI						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-
COAL	-	-	-	-	-	-
MISSOURI						
METAL	-	20	6	584	924,034	-
NONMETAL	-	-	-	-	-	-
STONE	-	5	-	305	557,745	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	25	6	889	1,481,779	-
COAL	-	-	-	-	-	-
MONTANA						
METAL	-	16	9	1,190	1,683,477	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	16	9	1,190	1,683,477	-
COAL	-	-	-	178	287,811	4,305,547
NEBRASKA						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	3	1	130	265,625	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	3	1	130	265,625	-
COAL	-	-	-	-	-	-

Surface Operations					
NUMBER OF INJURIES					
Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production
-	10	8	1,645	2,575,251	-
-	1	1	32	37,542	-
-	1	-	299	397,867	-
-	4	7	1,457	1,221,152	-
-	16	16	3,433	4,231,812	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	18	26,328	-
-	-	-	6	9,365	-
2	6	-	455	652,258	-
2	6	-	479	687,951	-
-	1	3	323	441,655	2,118,575
-	-	-	1	240	-
-	2	-	91	118,220	-
-	10	7	1,158	1,738,419	-
-	9	1	312	374,392	-
-	21	8	1,562	2,231,271	-
-	-	-	19	32,915	174,012
-	-	2	209	297,940	-
-	-	1	61	82,887	-
-	2	-	201	208,646	-
-	4	1	523	421,031	-
-	6	4	994	1,010,504	-
-	5	4	839	1,181,562	18,632,418
-	-	-	-	-	-
-	-	-	4	1,113	-
-	1	-	91	145,858	-
-	2	2	502	628,046	-
-	3	2	597	775,017	-
-	-	-	-	-	-

MILLS AND PREP PLANTS				
NUMBER OF INJURIES				
Fatal	NFDL	NDL	AVG # EMP	EMP HRS
-	28	13	1,331	2,061,210
-	-	-	6	13,386
-	3	1	136	210,306
-	-	-	-	-
-	31	14	1,473	2,284,902
-	-	-	-	-
-	-	-	-	-
-	6	1	318	523,014
-	-	-	2	4,764
-	-	-	-	-
-	6	1	320	527,778
-	-	-	-	-
-	4	-	81	133,725
-	5	2	367	575,683
-	38	16	2,165	3,314,547
-	-	-	-	-
-	47	18	2,613	4,023,955
-	-	-	-	-
-	-	1	278	430,152
-	5	1	160	238,522
-	3	2	178	274,682
-	-	-	-	-
-	8	4	616	943,356
-	1	-	89	137,867
-	-	-	-	-
-	-	-	-	-
-	-	1	169	289,187
-	-	-	-	-
-	-	1	169	289,187
-	-	-	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
NEVADA																	
METAL	-	15	11	2,573	4,127,527	-	-	38	11	4,388	7,486,747	-	-	15	9	2,516	4,528,627
NONMETAL	-	-	-	4	7,050	-	-	-	-	226	324,372	-	1	3	4	488	696,421
STONE	-	-	-	-	-	-	-	1	-	159	216,613	-	-	2	-	202	305,848
SAND AND GRAVEL	-	-	-	-	-	-	-	4	2	527	724,427	-	-	-	-	-	-
TOTAL, M/NM	-	15	11	2,577	4,134,577	-	-	43	13	5,300	8,752,159	-	1	20	13	3,206	5,530,896
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW HAMPSHIRE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	2	3,656	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	3	1	169	248,374	-	-	4	-	21	31,455
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	342	347,676	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	4	1	513	599,706	-	-	4	-	21	31,455
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	17	27,930	-	-	3	1	69	93,823
STONE	-	-	-	-	-	-	-	8	2	317	593,566	-	-	3	-	136	249,650
SAND AND GRAVEL	-	-	-	-	-	-	-	4	2	353	538,361	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	12	4	687	1,159,857	-	-	6	1	205	343,473
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO																	
METAL	-	-	-	-	-	-	-	15	3	756	1,145,272	-	-	11	2	357	582,640
NONMETAL	-	5	2	508	774,487	-	-	-	-	171	194,784	-	-	5	1	584	853,906
STONE	-	-	-	-	-	-	-	7	2	266	350,226	-	-	4	-	78	111,639
SAND AND GRAVEL	-	-	-	-	-	-	-	3	2	431	451,360	-	-	-	-	-	-
TOTAL, M/NM	-	5	2	508	774,487	-	-	25	7	1,624	2,141,642	-	-	20	3	1,019	1,548,185
COAL	-	15	1	361	492,940	2,796,165	-	3	1	466	743,289	6,853,488	-	-	1	91	134,791
NEW YORK																	
METAL	-	-	-	7	7,121	-	-	-	-	12	18,705	-	-	-	-	41	74,022
NONMETAL	-	2	-	384	554,839	-	-	3	-	84	116,371	-	-	3	1	182	272,308
STONE	-	1	-	20	33,107	-	-	15	4	856	1,180,845	-	-	12	5	640	1,037,847
SAND AND GRAVEL	-	-	-	-	-	-	-	4	4	1,185	1,325,108	-	-	-	-	-	-
TOTAL, M/NM	-	3	-	411	595,067	-	-	22	8	2,137	2,641,029	-	-	15	6	863	1,384,177
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
NORTH CAROLINA																	
METAL	-	-	-	-	-	-	-	-	-	1	1,437	-	-	-	-	4	5,692
NONMETAL	-	-	-	-	-	-	-	2	-	322	485,810	-	-	5	3	449	720,460
STONE	-	-	-	-	-	-	1	7	5	795	1,292,227	-	-	4	6	716	1,251,041
SAND AND GRAVEL	-	-	-	-	-	-	-	1	2	440	659,834	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	10	7	1,558	2,439,308	-	-	9	9	1,169	1,977,193
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DAKOTA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	2	2,536	-	-	3	-	24	33,704
STONE	-	-	-	-	-	-	-	-	-	7	3,154	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	4	1	588	537,002	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	4	1	597	542,692	-	-	3	-	24	33,704
COAL	-	-	-	-	-	-	-	2	3	1,246	1,802,695	20,666,170	-	-	-	7	6,675
OHIO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	1	-	300	455,763	-	-	-	1	132	176,233	-	-	-	-	141	218,981
STONE	-	3	-	139	230,700	-	-	3	2	645	945,711	-	-	11	8	961	1,538,914
SAND AND GRAVEL	-	-	-	-	-	-	-	9	4	813	1,168,908	-	-	-	-	-	-
TOTAL, M/NM	-	4	-	439	686,463	-	-	12	7	1,590	2,290,852	-	-	11	8	1,102	1,757,895
COAL	-	24	1	835	1,318,463	7,891,731	-	1	1	452	692,536	2,597,701	-	1	1	227	350,221
OKLAHOMA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	4	220	382,785	-	-	-	-	38	60,446
STONE	-	-	-	19	33,191	-	-	19	8	1,279	2,038,960	-	-	9	6	720	1,253,710
SAND AND GRAVEL	-	-	-	-	-	-	-	5	1	282	438,631	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	19	33,191	-	-	25	13	1,781	2,860,376	-	-	9	6	758	1,314,156
COAL	-	3	2	75	158,081	293,648	-	1	1	77	138,996	178,934	-	-	-	1	926
OREGON																	
METAL	-	-	-	-	-	-	-	-	-	28	5,277	-	-	-	-	3	2,564
NONMETAL	-	-	-	-	-	-	-	-	1	108	113,015	-	-	1	-	126	156,862
STONE	-	-	-	-	-	-	-	6	5	783	933,822	-	-	-	-	92	137,462
SAND AND GRAVEL	-	-	-	-	-	-	-	13	3	445	560,190	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	19	9	1,364	1,612,304	-	-	1	-	221	296,888
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

Underground Mines						
	NUMBER OF INJURIES					
STATE AND MINERAL INDUSTRY	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production
PENNSYLVANIA						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	6	4	363	596,226	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	6	4	363	596,226	-
BITUMINOUS COAL	1	72	26	2,934	4,764,555	27,170,864
ARTHRAHITE COAL	-	-	-	62	73,650	67,229
COAL	1	72	26	2,996	4,838,205	27,238,093
PUERTO RICO						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-
COAL	-	-	-	-	-	-
RHODE ISLAND						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-
COAL	-	-	-	-	-	-
SOUTH CAROLINA						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-
COAL	-	-	-	-	-	-
SOUTH DAKOTA						
METAL	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-
STONE	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-
COAL	-	-	-	-	-	-

Surface Operations					
NUMBER OF INJURIES					
Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production
-	-	-	-	-	-
-	2	-	36	48,604	-
-	40	13	2,231	3,133,675	-
-	4	2	415	568,234	-
-	46	15	2,682	3,750,513	-
-	5	3	613	792,754	2,075,176
-	13	2	604	818,673	1,144,262
-	18	5	1,217	1,611,427	3,219,438
-	-	-	-	-	-
-	-	-	11	19,049	-
-	3	-	275	285,808	-
-	-	-	112	91,572	-
-	3	-	398	396,429	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	1	-	62	80,999	-
-	-	-	131	169,373	-
-	1	-	193	250,372	-
-	-	-	-	-	-
-	2	1	156	279,690	-
-	-	-	49	58,576	-
-	6	1	311	545,811	-
-	1	1	231	376,426	-
-	9	3	747	1,260,503	-
-	-	-	-	-	-
-	3	1	158	209,025	-
-	-	-	9	5,221	-
-	10	2	215	333,701	-
-	5	1	369	342,538	-
-	18	4	751	890,485	-
-	-	-	-	-	-

MILLS AND PREP PLANTS				
NUMBER OF INJURIES				
Fatal	NFDL	NDL	AVG # EMP	EMP HRS
-	-	-	11	16,285
-	3	2	83	117,582
-	37	14	1,983	3,128,075
-	-	-	-	-
-	40	16	2,077	3,261,942
-	6	1	380	584,520
-	15	5	376	568,267
-	21	6	756	1,152,787
-	-	-	-	-
-	-	-	-	-
-	2	2	390	551,687
-	-	-	-	-
-	2	2	390	551,687
-	-	-	-	-
-	-	-	-	-
-	-	-	1	35
-	-	-	10	15,885
-	-	-	-	-
-	-	-	11	15,920
-	-	-	-	-
-	-	-	-	-
-	2	-	140	224,216
-	14	3	563	944,539
-	-	-	-	-
-	16	3	703	1,168,755
-	-	-	-	-
-	-	-	42	64,899
-	-	-	30	54,177
-	6	1	177	278,041
-	-	-	-	-
-	6	1	249	397,117
-	-	-	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
TENNESSEE																	
METAL	-	5	2	468	718,597	-	-	-	-	-	-	-	-	-	-	91	139,768
NONMETAL	-	-	-	-	-	-	-	-	-	69	108,809	-	-	1	-	153	261,188
STONE	-	1	1	104	167,412	-	1	4	2	830	1,057,481	-	-	7	6	925	1,471,766
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	243	361,368	-	-	-	-	-	-
TOTAL, M/NM	-	6	3	572	886,009	-	1	5	3	1,142	1,527,658	-	-	8	6	1,169	1,872,722
COAL	-	-	2	116	152,124	292,367	-	-	1	70	88,448	228,046	-	-	-	34	53,025
TEXAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	12	6	772	1,476,471
NONMETAL	-	1	-	45	75,276	-	-	5	3	546	892,246	-	-	10	2	710	1,152,069
STONE	-	3	-	13	19,543	-	-	44	16	3,781	6,430,713	-	1	36	12	2,475	4,518,409
SAND AND GRAVEL	-	-	-	-	-	-	-	17	12	2,722	4,831,896	-	-	-	-	-	-
TOTAL, M/NM	-	4	-	58	94,819	-	-	66	31	7,049	12,154,855	-	1	58	20	3,957	7,146,949
COAL	-	-	-	-	-	-	-	9	7	2,413	3,787,296	24,573,007	-	-	-	6	9,720
UTAH																	
METAL	-	1	-	52	75,571	-	-	2	3	912	1,518,016	-	-	4	-	481	706,204
NONMETAL	-	1	-	100	119,376	-	-	-	1	140	169,741	-	-	4	1	235	364,924
STONE	-	-	-	-	-	-	-	-	-	191	225,004	-	-	-	1	191	288,162
SAND AND GRAVEL	-	-	-	-	-	-	1	3	3	971	1,220,485	-	-	-	-	-	-
TOTAL, M/NM	-	2	-	152	194,947	-	1	5	7	2,214	3,133,246	-	-	8	2	907	1,359,290
COAL	-	16	8	1,014	1,565,553	9,647,289	-	-	2	38	70,856	465,340	-	-	-	90	119,690
VERMONT																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	33	15,502	-	-	1	-	12	18,555
STONE	-	-	-	32	37,341	-	-	2	-	344	417,227	-	-	-	-	302	432,497
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	209	166,857	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	32	37,341	-	-	2	-	586	599,586	-	-	1	-	314	451,052
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGIN ISLANDS OF THE U S																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	-	43	62,183	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	-	43	62,183	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	2	449	-	-	1	1	307	113,741	-	-	3	1	293	345,605
STONE	-	1	-	32	59,355	-	-	12	6	722	1,180,800	-	-	14	16	1,178	1,923,966
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	251	313,931	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	34	59,804	-	-	14	8	1,280	1,608,472	-	-	17	17	1,471	2,269,571
COAL	-	30	10	1,435	2,149,327	6,131,789	-	6	2	600	886,907	3,110,532	-	1	2	366	559,874
WASHINGTON																	
METAL	-	5	3	299	370,878	-	-	-	-	-	-	-	-	-	-	43	58,050
NONMETAL	-	-	-	-	-	-	-	2	-	34	56,155	-	-	-	-	59	97,477
STONE	-	-	-	-	-	-	-	5	6	379	421,627	-	-	4	1	228	335,665
SAND AND GRAVEL	-	-	-	-	-	-	-	13	5	895	1,107,281	-	-	-	-	-	-
TOTAL, M/NM	-	5	3	299	370,878	-	-	20	11	1,308	1,585,063	-	-	4	1	330	491,192
COAL	-	-	-	-	-	-	-	-	-	26	41,691	-	-	-	-	-	-
WEST VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	8	10,957
NONMETAL	-	-	-	-	-	-	-	-	-	14	15,988	-	-	-	-	103	154,965
STONE	-	1	-	84	131,978	-	-	3	1	204	286,860	-	-	2	4	374	612,015
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	12	18,600	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	84	131,978	-	-	3	1	230	321,448	-	-	3	4	485	777,937
COAL	4	299	102	8,281	13,258,670	49,574,019	-	24	5	2,025	3,235,533	11,610,713	-	19	6	1,571	2,469,396
WISCONSIN																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	10	13,627	-	-	6	3	380	555,452	-	-	3	3	497	574,898
STONE	-	-	-	-	-	-	-	15	9	802	1,070,713	-	-	12	11	464	750,160
SAND AND GRAVEL	-	-	-	-	-	-	-	5	8	955	1,045,604	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	10	13,627	-	-	26	20	2,137	2,671,769	-	-	15	14	961	1,325,058
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	12	9	759	1,011,319	-	-	1	-	185	291,360	-	-	16	4	1,575	2,524,341
STONE	-	-	-	-	-	-	-	3	1	78	125,740	-	-	-	3	137	267,680
SAND AND GRAVEL	-	-	-	-	-	-	-	6	2	426	360,220	-	-	-	-	-	-
TOTAL, M/NM	-	12	9	759	1,011,319	-	-	10	3	689	777,320	-	-	16	7	1,712	2,792,021
COAL	-	8	4	288	473,029	1,221,362	-	15	9	5,302	7,860,728	203,867,346	-	1	1	103	148,404

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

Underground Mines						
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production
	Fatal	NFDL	NDL			
NATION						
METAL	-	92	45	6,657	10,157,782	-
NONMETAL	-	32	18	2,840	4,150,693	-
STONE	-	40	18	2,491	4,168,612	-
SAND AND GRAVEL	-	-	-	-	-	-
TOTAL, M/NM	-	164	81	11,988	18,477,087	-
COAL	8	743	296	25,828	41,932,679	184,643,548

Surface Operations					
NUMBER OF INJURIES					
Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production
-	138	50	13,876	22,246,820	-
-	45	30	6,046	8,517,793	-
4	372	161	28,151	42,174,503	-
3	241	130	28,699	37,040,907	-
7	796	371	76,772	109,980,023	-
-	124	57	19,649	29,785,281	331,740,371

MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			EMP HRS
	Fatal	NFDL	NDL	
NATION				
METAL	1	159	66	12,308
NONMETAL	1	115	50	11,681
STONE	1	408	217	26,588
SAND AND GRAVEL	-	-	-	-
TOTAL, M/NM	3	682	333	50,577
COAL	-	67	34	5,427

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

COAL										METAL								
Accident Classification	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	-	6	1	-	-	-	-	1	-	-	-	-	-	1	-	1	-	-
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	3	1	-	-	-	-	1	-	-	1	2	-	-	-	-	3	1
Fall of face, rib, pillar, side or highwall	2	15	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Fall of roof or back	-	56	35	-	-	-	-	-	-	-	4	5	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	1	-
Handling material	-	270	120	-	34	18	-	25	16	-	32	18	-	37	16	-	75	31
Handtools	-	43	49	-	5	15	-	4	7	-	8	5	-	12	12	-	19	15
Nonpowered haulage	-	3	-	-	1	-	-	1	-	-	-	-	-	-	-	-	1	1
<u>Powered haulage</u>	4	74	15	-	24	2	-	4	-	-	9	3	-	27	6	-	7	-
HAULAGE TRUCKS	1	6	1	-	16	-	-	4	-	-	5	2	-	21	3	-	5	-
FRONT-END LOADERS	2	26	7	-	8	-	-	-	-	-	3	1	-	4	1	-	2	-
ALL OTHER Powered haulage	1	42	7	-	-	2	-	-	-	-	1	-	-	2	2	-	-	-
Hoisting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignition or explosion of gas or dust	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Machinery</u>	1	61	36	-	18	7	-	2	5	-	5	4	-	12	8	-	11	9
DOZER	-	-	-	-	6	2	-	-	-	-	-	-	-	4	1	-	-	-
DRILL	-	1	1	-	1	-	-	1	-	-	3	1	-	1	-	-	1	1
ALL OTHER Machinery	1	60	35	-	11	5	-	1	5	-	2	3	-	7	7	-	10	8
Slip or fall of person	-	162	23	-	35	11	-	23	3	-	28	3	-	34	5	-	30	5
Stepping or kneeling on object	-	21	1	-	2	-	-	-	-	-	3	-	-	9	-	-	5	-
Striking or bumping	-	14	11	-	2	-	-	1	2	-	1	2	-	-	-	-	2	2
Other	-	8	3	-	3	4	-	2	1	-	1	2	-	6	3	-	3	2
Total	8	743	296	-	124	57	-	67	34	-	92	45	-	138	50	1	159	66

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

Accident Classification	NONMETAL									STONE									SAND / GRAVEL		
	UNDERGROUND			SURFACE			MILLS			UNDERGROUND			SURFACE			MILLS			SURFACE		
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL
Electrical	-	-	-	-	-	-	-	3	-	-	-	-	1	-	-	-	-	-	-	3	1
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	-	-	-	-	1	-	-	1	-	-	-	3	-	-	2	-	-	-	-	-
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	-	-	-	-	1	-	2	1	-	-	-	-	-	1	-	3	3	-	3	1
Fall of face, rib, pillar, side or highwall	-	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Fall of roof or back	-	1	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	1	6	-	-	-	1	-	-	2	-	-	-	-	-
Handling material	-	12	3	-	18	8	-	50	19	-	17	5	-	143	58	-	176	85	-	71	47
Handtools	-	3	4	-	3	8	-	6	12	-	1	2	-	44	40	-	53	55	-	31	33
Nonpowered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
<u>Powered haulage</u>	-	1	3	-	2	4	-	2	2	-	4	4	2	38	9	-	22	8	1	21	6
HAULAGE TRUCKS	-	-	-	-	-	-	-	-	2	-	1	2	2	17	5	-	10	3	1	6	2
FRONT-END LOADERS	-	-	2	-	2	4	-	2	-	-	1	1	-	21	3	-	10	2	-	15	3
ALL OTHER Powered haulage	-	1	1	-	-	-	-	-	-	-	2	1	-	-	1	-	2	3	-	-	1
Hoisting	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-	-
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
<u>Machinery</u>	-	4	3	-	5	2	-	10	4	-	1	3	-	37	22	-	33	32	-	22	15
DOZER	-	-	-	-	1	-	-	-	-	-	-	1	-	1	1	-	1	1	-	-	1
DRILL	-	1	-	-	1	-	-	-	-	-	-	-	-	4	-	-	5	2	-	-	-
ALL OTHER Machinery	-	3	3	-	3	2	-	10	4	-	1	2	-	32	21	-	27	29	-	22	14
Slip or fall of person	-	9	2	-	15	5	1	36	3	-	9	4	-	88	19	1	84	18	-	72	13
Stepping or kneeling on object	-	-	-	-	1	-	-	1	1	-	3	-	-	13	3	-	8	2	-	2	4
Striking or bumping	-	-	-	-	-	-	-	-	1	-	1	-	-	1	2	-	2	5	-	5	3
Other	-	1	-	-	1	1	-	2	-	-	2	-	-	3	7	-	21	8	-	11	7
Total	-	32	18	-	45	30	1	115	50	-	40	18	4	372	161	1	408	217	3	241	130

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 - SEPTEMBER 2016 (PRELIMINARY)

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	-	-	27	-	15	-	42	-		-	
SURFACE OPERATIONS AT UNDERGROU	-	-	10	-	5	-	15	-		-	
TOTAL, UNDERGROUND MINES	-	-	37	-	20	-	57	-		-	
SURFACE MINES:											
STRIP OR OPEN PIT	-	-	33	-	17	-	50	-		-	
AUGER	-	-	-	-	-	-	-	-		-	
OTHER SURFACE MINES	-	-	1	-	-	-	1	-		-	
CULM BANK OR REFUSE PILE	-	-	-	-	-	-	-	-		-	
DREDGE	-	-	-	-	-	-	-	-		-	
TOTAL, SURFACE MINES	-	-	34	-	17	-	51	-		-	
TOTAL, PRODUCTION MINING	-	-	71	-	37	-	108	-		-	
PREPARATION PLANTS	-	-	16	-	11	-	27	-		-	
INDEPENDENT SHOPS OR YARDS	-	-	-	-	-	-	-	-		-	
TOTAL, OTHER OPERATIONS	-	-	16	-	11	-	27	-		-	
Total, BITUMINOUS COAL	-	-	87	-	48	-	135	-		-	
ANTHRACITE COAL											
UNDERGROUND MINES:											
UNDERGROUND OPERATIONS	-	-	-	-	-	-	-	-		-	
SURFACE OPERATIONS AT UNDERGROU	-	-	-	-	-	-	-	-		-	
TOTAL, UNDERGROUND MINES	-	-	-	-	-	-	-	-		-	
SURFACE MINES:											
STRIP OR OPEN PIT	-	-	-	-	-	-	-	-		-	
CULM BANK OR REFUSE PILE	-	-	1	-	-	-	1	-		-	
DREDGE	-	-	-	-	-	-	-	-		-	
TOTAL, SURFACE MINES	-	-	1	-	-	-	1	-		-	
TOTAL, PRODUCTION MINING	-	-	1	-	-	-	1	-		-	
PREPARATION PLANTS	-	-	-	-	-	-	-	-		-	
INDEPENDENT SHOPS OR YARDS	-	-	-	-	-	-	-	-		-	
TOTAL, OTHER OPERATIONS	-	-	-	-	-	-	-	-		-	
Total, ANTHRACITE COAL	-	-	1	-	-	-	1	-		-	
ALL COAL											
UNDERGROUND MINES:											
UNDERGROUND	-	-	27	1.999	15	1.110	42	3.109	4,162	2,701,780	-
SURFACE AT UG	-	-	10	0.648	5	0.324	15	0.972	4,942	3,087,332	-
TOTAL, UNDERGROUND MINES	-	-	37	1.278	20	0.691	57	1.969	9,104	5,789,112	-
SURFACE MINES:											
STRIP MINES	-	-	33	0.843	17	0.434	50	1.277	10,518	7,829,024	241,408
AUGER MINES	-	-	-	-	-	-	-	-	113	30,997	-
CULM BANK	-	-	2	2.205	-	-	2	2.205	332	181,419	-
DREDGE	-	-	-	-	-	-	-	-	17	7,823	-
TOTAL, SURFACE MINES	-	-	35	0.870	17	0.422	52	1.292	10,980	8,049,263	241,408
TOTAL, PRODUCTION MINING	-	-	72	1.041	37	0.535	109	1.575	20,084	13,838,375	241,408
PREPARATION PLANTS	-	-	16	0.917	11	0.630	27	1.547	4,309	3,490,371	-
INDEPENDENT SHOPS/YARDS	-	-	-	-	-	-	-	-	288	272,985	-
TOTAL, OTHER OPERATIONS	-	-	16	0.850	11	0.585	27	1.435	4,597	3,763,356	-
Total, ALL COAL	-	-	88	1.000	48	0.545	136	1.545	24,681	17,601,731	241,408
OFFICEWORKERS											
BITUMINOUS COAL	-	-	2	-	-	-	2	-		-	
ANTHRACITE COAL	-	-	-	-	-	-	-	-		-	
TOTAL, OFFICEWORKERS	-	-	2	0.295	-	-	2	0.295	1,392	1,356,421	-
GRAND TOTAL	-	-	90	0.949	48	0.506	138	1.456	26,073	18,958,152	241,408

TABLE 6. NUMBER OF CONTRACTOR INJURIES, INJURY-INCIDENT RATES, AVERAGE NUMBER OF EMPLOYEES,
AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY
JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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	-	-	12	0.447	11	0.410	23	0.856	-	-
NONMETAL	-	-	5	-	1	-	6	-	-	-
STONE	-	-	6	-	2	-	8	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, UNDERGROUND MINES	-	-	23	0.856	14	0.521	37	1.378	7,244	5,371,860
SURFACE MINES	-	-	-	-	-	-	-	-	-	-
METAL	1	-	29	0.204	20	0.141	50	0.352	-	-
NONMETAL	-	-	9	-	8	-	17	-	-	-
STONE	1	-	54	-	28	-	83	-	-	-
SAND AND GRAVEL	1	-	12	-	4	-	17	-	-	-
TOTAL, SURFACE MINES	3	-	104	0.732	60	0.422	167	1.175	42,513	28,419,611
TOTAL, MINES	3	0.018	127	0.752	74	0.438	204	1.207	49,757	33,791,471
MILLS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	10	0.155	9	0.140	19	0.295	-	-
NONMETAL	-	-	11	-	6	-	17	-	-	-
STONE	1	-	52	-	39	-	92	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, MILLS	1	-	73	1.132	54	0.838	128	1.985	16,094	12,895,157
INDEPENDENT SHOPS AND YARDS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, INDEPENDENT SHOPS AND YARDS	-	-	-	-	-	-	-	-	1	40
ALL MINES, MILLS AND SHOPS	-	-	-	-	-	-	-	-	-	-
METAL	1	-	51	0.218	40	0.171	92	0.394	-	-
NONMETAL	-	-	25	-	15	-	40	-	-	-
STONE	2	-	112	-	69	-	183	-	-	-
SAND AND GRAVEL	1	-	12	-	4	-	17	-	-	-
TOTAL, ALL MINES, MILLS AND SHOPS	4	0.017	200	0.857	128	0.548	332	1.422	65,852	46,686,668
OFFICEWORKERS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	2	0.141	-	-	2	0.141	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-
STONE	-	-	1	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, OFFICEWORKERS	-	-	3	0.211	-	-	3	0.211	2,969	2,836,899
SUMMARY TOTAL (INCLUDING OFFICEWORKERS)	-	-	-	-	-	-	-	-	-	-
METAL	1	-	53	0.214	40	0.162	94	0.380	-	-
NONMETAL	-	-	25	-	15	-	40	-	-	-
STONE	2	-	113	-	69	-	184	-	-	-
SAND AND GRAVEL	1	-	12	-	4	-	17	-	-	-
GRAND TOTAL	4	0.016	203	0.820	128	0.517	335	1.353	68,821	49,523,567

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
ALABAMA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
STONE	-	-	-	-	-	-	-	1	3	-	-	-	-	1	2	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	3	-	-	-	-	2	2	-	-
COAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALASKA																	
METAL	-	-	2	-	-	-	-	3	3	-	-	-	-	1	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	2	-	-	-	-	3	3	-	-	-	-	1	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMERICAN SAMOA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA																	
METAL	-	-	-	-	-	-	-	10	4	-	-	-	-	-	2	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	10	4	-	-	-	-	1	2	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	1	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	3	1	-	-	-	-	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 - SEPTEMBER 2016 (PRELIMINARY)

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		
CALIFORNIA																	
METAL	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	-	-	-	-	-	3	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	9	-	-	-	-	-	3	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
COAL	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE																	
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 - SEPTEMBER 2016 (PRELIMINARY)

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		
FLORIDA																	
METAL	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-
STONE	-	-	-	-	-	-	-	4	1	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	5	1	-	-	-	-	2	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	6	3	-	-
STONE	-	-	-	-	-	-	-	3	2	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	3	2	-	-	-	-	6	4	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GUAM																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAWAII																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO																	
METAL	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	1	-	-	-	-	1	2	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
ILLINOIS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	2	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-
COAL	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	1	-	-	-	-	-	1	-	-	-	-	-	5	3	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	-	-	-	-	1	1	-	-	-	-	5	3	-	-
COAL	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-
IOWA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	-	-	-	-	1	-	2	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	3	-	-	-	-	1	-	2	-	-
COAL	-	3	-	-	-	-	-	4	-	-	-	-	-	2	2	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
LOUISIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
NONMETAL	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-
COAL	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
MAINE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	5	1	-	-	-	-	3	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	5	1	-	-	-	-	3	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-
MASSACHUSETTS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN																	
METAL	-	3	1	-	-	-	-	1	-	-	-	-	-	1	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	1	-	-	-	-	1	3	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	3	1	-	-	-	-	2	1	-	-	-	-	2	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 - SEPTEMBER 2016 (PRELIMINARY)

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		
MINNESOTA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	1	-	-	-	-	2	2	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSISSIPPI																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI																	
METAL	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	2	1	-	-	-	-	3	2	-	-	-	-	2	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	3	2	-	-	-	-	3	2	-	-	-	-	2	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA																	
METAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
NEBRASKA																	
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 - SEPTEMBER 2016 (PRELIMINARY)

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		
NEVADA																	
METAL	-	4	3	-	-	-	-	3	4	-	-	-	-	3	2	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	4	3	-	-	-	-	4	5	-	-	-	-	3	2	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW HAMPSHIRE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO																	
METAL	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-
NONMETAL	-	3	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	3	-	-	-	-	-	3	1	-	-	-	-	1	-	-	-
COAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
NEW YORK																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	-	-	-	-	-	2	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	-	-	-	-	-	2	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
NORTH CAROLINA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-
STONE	-	-	-	-	-	-	-	2	3	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	4	3	-	-	-	-	1	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DAKOTA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
OHIO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	2	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-
OKLAHOMA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	2	-	-	-	-	3	3	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	2	-	-	-	-	3	3	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	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 - SEPTEMBER 2016 (PRELIMINARY)

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		
PENNSYLVANIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	1	-	-	-	-	-	4	1	-	-	-	-	4	4	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	-	-	-	-	4	1	-	-	-	-	4	4	-	-
BITUMINOUS COAL	-	12	7	-	-	-	-	2	-	-	-	-	-	1	3	-	-
ARTHACITE COAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
COAL	-	12	7	-	-	-	-	3	-	-	-	-	-	1	3	-	-
PUERTO RICO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RHODE ISLAND																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA																	
METAL	-	-	-	-	-	-	-	3	4	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	5	4	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
TENNESSEE																	
METAL	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	1	-	-	-	-	1	2	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	4	1	-	-	-	-	15	14	-	-
SAND AND GRAVEL	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	6	1	-	-	-	-	16	14	-	-
COAL	-	-	-	-	-	-	-	7	3	-	-	-	-	-	-	-	-
UTAH																	
METAL	-	2	2	-	-	-	-	3	4	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	2	-	-	-	-	4	4	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-
STONE	-	-	-	-	-	-	1	5	3	-	-	-	-	2	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	5	4	-	-	-	-	2	1	-	-
COAL	-	-	4	-	-	-	-	2	4	-	-	-	-	-	-	-	-
WASHINGTON																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
COAL	-	18	5	-	-	-	-	10	2	-	-	-	-	10	2	-	-
WISCONSIN																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	2	-	-	-	-	1	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	-
STONE	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	2	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	1	5	-	-	-	-	-	-	-	-

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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		
NATION																	
METAL	-	12	11	-	-	-	1	29	20	-	-	-	-	10	9	-	-
NONMETAL	-	5	1	-	-	-	-	9	8	-	-	-	-	11	6	-	-
STONE	-	6	2	-	-	-	1	54	28	-	-	-	1	52	39	-	-
SAND AND GRAVEL	-	-	-	-	-	-	1	12	4	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	23	14	7,244	5,371,860	-	3	104	60	42,513	28,419,611	-	1	73	54	16,095	12,895,197
COAL	-	37	20	9,104	5,789,112	-	-	35	17	10,980	8,049,263	241,408	-	16	11	4,597	3,763,356

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

COAL										METAL								
Accident Classification	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-	-
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fall of face, rib, pillar, side or highwall	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Fall of roof or back	-	4	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Handling material	-	6	8	-	5	5	-	3	4	-	1	4	-	11	8	-	6	6
Handtools	-	3	6	-	5	5	-	1	4	-	5	3	-	1	2	-	-	1
Nonpowered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Powered haulage	-	2	-	-	2	2	-	1	-	-	-	1	-	4	2	-	-	-
HAULAGE TRUCKS	-	1	-	-	2	1	-	1	-	-	-	1	-	3	1	-	-	-
FRONT-END LOADERS	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER Powered haulage	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Hoisting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	6	5	-	3	2	-	2	2	-	1	1	1	4	2	-	2	-
DOZER	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-
DRILL	-	-	1	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-
ALL OTHER Machinery	-	6	4	-	2	2	-	2	2	-	-	1	-	2	2	-	2	-
Slip or fall of person	-	12	-	-	15	-	-	7	-	-	2	-	-	3	4	-	2	2
Stepping or kneeling on object	-	1	-	-	2	1	-	-	-	-	1	-	-	2	-	-	-	-
Striking or bumping	-	1	1	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Other	-	2	-	-	1	1	-	1	-	-	-	-	-	3	1	-	-	-
Total	-	37	20	-	35	17	-	16	11	-	12	11	1	29	20	-	10	9

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

JANUARY - SEPTEMBER 2016 (PRELIMINARY)

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	-	-	-	-
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	-	-
Fall of face, rib, pillar, side or highwall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fall of roof or back	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Handling material	-	1	1	-	4	4	-	4	4	-	-	2	-	20	9	-	24	11	-	5	1
Handtools	-	-	-	-	-	3	-	2	-	-	1	-	-	5	8	-	5	7	-	-	1
Nonpowered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Powered haulage</u>	-	1	-	-	2	1	-	1	-	-	-	-	-	3	2	-	7	-	-	1	-
HAULAGE TRUCKS	-	1	-	-	1	1	-	1	-	-	-	-	-	2	1	-	2	-	-	1	-
FRONT-END LOADERS	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-
ALL OTHER Powered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-	-	-	-
Hoisting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Machinery</u>	-	2	-	-	-	-	-	2	1	-	2	-	1	8	3	1	7	14	-	3	2
DOZER	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
DRILL	-	1	-	-	-	-	-	-	-	-	-	-	1	2	-	-	1	-	-	-	-
ALL OTHER Machinery	-	1	-	-	-	-	-	1	1	-	2	-	-	6	2	1	6	14	-	3	2
Slip or fall of person	-	1	-	-	1	-	-	2	1	-	2	-	-	11	3	-	6	5	-	2	-
Stepping or kneeling on object	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Striking or bumping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	-	1	-	-	-
Total	-	5	1	-	9	8	-	11	6	-	6	2	1	54	28	1	52	39	1	12	4