

Mine Injury and Worktime, Quarterly

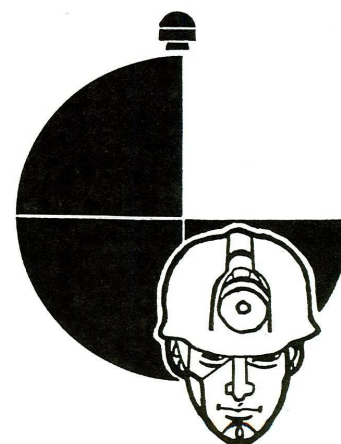


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This publication has been reviewed and approved for distribution to the mining public by the Office of the Assistant Secretary for Mine Safety and Health.

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SCOPE OF DATA AND ITS LIMITATIONS

Enclosed in this packet are informational reports detailing the occupational injury and illness experience of mining, by category, in the United States. Data reported by operators of mining establishments concerning work injuries are summarized by work location, accident classification, part of body injured, nature of injury, and occupation. Related information on employment, worktime, and operating activity is also presented. Data reported by independent contractors performing certain work at mining locations are depicted separately in these reports.

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. Any injuries reported for mines that do not have employee hours on file for the same time period and sub-unit are not counted or used in the computation of incidence rates. Furthermore, 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.

In order to maintain consistency with prior years, fatalities attributed to independent contractor employees are included in chart 1 (see page 3). However, beginning in 1983, tabular data on independent contractors are depicted separately from operator data. Independent contractors are exempt 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

Please note all current-year data presented in this publication are preliminary and subject to change.

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:

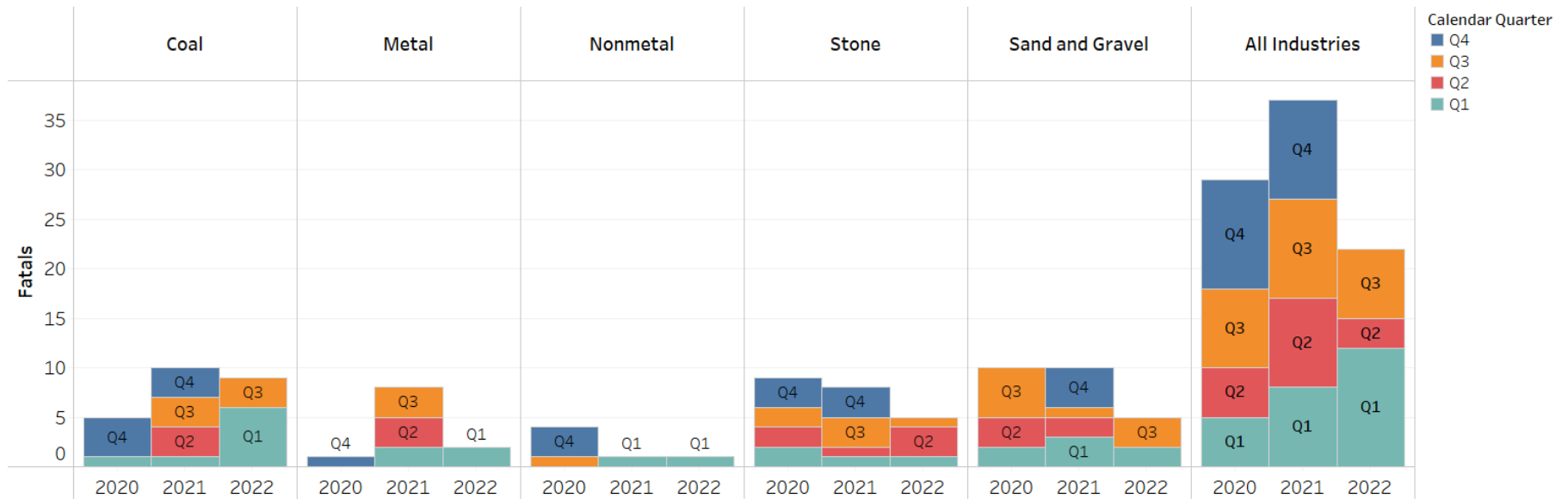
$$IR = (Number\ of\ Injury\ Occurrences \div Number\ of\ Employee\ Hours) \times 200,000$$

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. This number is self-reported by coal operators.

**Chart 1. Number of Fatal Injuries in the U.S. Mining Industries
2020, 2021 and 2022 Q1- Q3**



Note: CY 2022 is Preliminary. See page 1 for details.

TABLE 1. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENT RATES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS, AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION
JANUARY - SEPTEMBER 2022 (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	5	0.027	650	3.485	226	1.212	881	4.724	21,165	37,301,177	169,800,858
SURFACE AT UG	-	-	38	3.024	14	1.114	52	4.138	1,551	2,513,569	-
TOTAL, UNDERGROUND MINES	5	0.025	688	3.456	240	1.206	933	4.687	22,716	39,814,746	169,800,858
SURFACE MINES:											
STRIP MINES	1	0.009	75	0.665	38	0.337	114	1.011	14,524	22,556,465	258,949,666
AUGER MINES	-	-	-	-	2	1.524	2	1.524	220	262,525	1,243,541
OTHER SURFACE MINES	-	-	-	-	1	1.153	1	1.153	126	173,442	193,254
TOTAL, SURFACE MINES	1	0.009	75	0.652	41	0.357	117	1.018	14,870	22,992,432	260,386,461
TOTAL, PRODUCTION MINING	6	0.019	763	2.430	281	0.895	1,050	3.344	37,586	62,807,178	430,187,319
PREPARATION PLANTS	-	-	29	0.854	19	0.559	48	1.413	4,087	6,793,182	-
INDEPENDENT SHOPS OR YARDS	-	-	2	1.931	-	-	2	1.931	144	207,116	-
TOTAL, OTHER OPERATIONS	-	-	31	0.886	19	0.543	50	1.429	4,231	7,000,298	-
Total, BITUMINOUS COAL	6	0.017	794	2.275	300	0.860	1,100	3.152	41,817	69,807,476	430,187,319
ANTHRACITE COAL											
UNDERGROUND MINES:											
UNDERGROUND	-	-	-	-	-	-	-	-	24	26,293	34,103
SURFACE AT UG	-	-	-	-	-	-	-	-	15	8,965	-
TOTAL, UNDERGROUND MINES	-	-	-	-	-	-	-	-	39	35,258	34,103
SURFACE MINES:											
STRIP MINES	-	-	12	3.728	2	0.621	14	4.350	448	643,749	1,755,399
CULM BANK	-	-	-	-	-	-	-	-	110	147,395	10,543
TOTAL, SURFACE MINES	-	-	12	3.022	2	0.504	14	3.526	560	794,054	1,777,580
TOTAL, PRODUCTION MINING	-	-	12	2.894	2	0.482	14	3.376	599	829,312	1,811,683
PREPARATION PLANTS	-	-	7	2.669	4	1.525	11	4.194	374	524,502	-
INDEPENDENT SHOPS OR YARDS	-	-	1	7.847	-	-	1	7.847	15	25,488	-
TOTAL, OTHER OPERATIONS	-	-	8	2.909	4	1.455	12	4.364	389	549,990	-
Total, ANTHRACITE COAL	-	-	20	2.900	6	0.870	26	3.770	988	1,379,302	1,811,683
ALL COAL											
UNDERGROUND MINES:											
UNDERGROUND	5	0.027	650	3.483	226	1.211	881	4.720	21,189	37,327,470	169,834,961
SURFACE AT UG	-	-	38	3.013	14	1.110	52	4.123	1,566	2,522,534	-
TOTAL, UNDERGROUND MINES	5	0.025	688	3.453	240	1.205	933	4.683	22,755	39,850,004	169,834,961
SURFACE MINES:											
STRIP MINES	1	0.009	87	0.750	40	0.345	128	1.103	14,972	23,200,214	260,705,065
AUGER MINES	-	-	-	-	2	1.507	2	1.507	222	265,435	1,255,179
CULM BANK	-	-	-	-	1	0.629	1	0.629	233	318,081	201,989
DREDGE	-	-	-	-	-	-	-	-	3	2,756	1,808
TOTAL, SURFACE MINES	1	0.008	87	0.732	43	0.362	131	1.101	15,430	23,786,486	262,164,041
TOTAL, PRODUCTION MINING	6	0.019	775	2.436	283	0.889	1,064	3.344	38,185	63,636,490	431,999,002
PREPARATION PLANTS	-	-	36	0.984	23	0.629	59	1.613	4,461	7,317,684	-
INDEPENDENT SHOPS/YARDS	-	-	3	2.579	-	-	3	2.579	159	232,604	-
TOTAL, OTHER OPERATIONS	-	-	39	1.033	23	0.609	62	1.642	4,620	7,550,288	-
Total, ALL COAL	6	0.017	814	2.287	306	0.860	1,126	3.164	42,805	71,186,778	431,999,002
OFFICEWORKERS											
BITUMINOUS COAL	-	-	1	0.101	1	0.101	2	0.201	1,401	1,985,795	-
ANTHRACITE COAL	-	-	2	3.524	-	-	2	3.524	95	113,495	-
TOTAL, OFFICEWORKERS	-	-	3	0.286	1	0.095	4	0.381	1,496	2,099,290	-
GRAND TOTAL	6	0.016	817	2.230	307	0.838	1,130	3.084	44,301	73,286,068	431,999,002

TABLE 2. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENT RATES, AVERAGE NUMBER OF EMPLOYEES, AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY
JANUARY - SEPTEMBER 2022 (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	1	0.017	69	1.184	39	0.669	109	1.870	7,890	11,654,927
NONMETAL	-	-	44	2.078	12	0.567	56	2.645	2,614	4,235,000
STONE	1	0.048	34	1.632	13	0.624	48	2.305	2,712	4,165,746
TOTAL, UNDERGROUND MINES	2	0.020	147	1.466	64	0.638	213	2.124	13,216	20,055,673
SURFACE MINES										
METAL	-	-	167	1.484	60	0.533	227	2.017	15,244	22,507,018
NONMETAL	1	0.021	67	1.411	34	0.716	102	2.147	6,428	9,499,797
STONE	-	-	318	1.421	116	0.518	434	1.940	30,165	44,749,169
SAND AND GRAVEL	5	0.024	228	1.076	113	0.533	346	1.632	32,360	42,395,921
TOTAL, SURFACE MINES	6	0.010	780	1.309	323	0.542	1,109	1.861	84,197	119,151,905
TOTAL, MINES	8	0.011	927	1.332	387	0.556	1,322	1.899	97,413	139,207,578
MILLS										
METAL	-	-	153	1.583	54	0.559	207	2.141	12,858	19,334,171
NONMETAL	-	-	93	1.077	50	0.579	143	1.656	11,183	17,268,837
STONE	1	0.005	315	1.478	144	0.676	460	2.159	26,273	42,613,779
TOTAL, MILLS	1	0.003	561	1.416	248	0.626	810	2.045	50,314	79,216,787
INDEPENDENT SHOPS AND YARDS										
STONE	-	-	-	-	1	5.815	1	5.815	36	34,396
SAND AND GRAVEL	-	-	-	-	-	-	-	-	5	3,704
TOTAL, INDEPENDENT SHOPS AND YARDS	-	-	-	-	1	5.249	1	5.249	41	38,100
ALL MINES, MILLS AND SHOPS										
METAL	1	0.004	389	1.454	153	0.572	543	2.030	35,992	53,496,116
NONMETAL	1	0.006	204	1.316	96	0.619	301	1.942	20,225	31,003,634
STONE	2	0.004	667	1.457	274	0.598	943	2.060	59,186	91,563,090
SAND AND GRAVEL	5	0.024	228	1.075	113	0.533	346	1.632	32,365	42,399,625
TOTAL, ALL MINES, MILLS AND SHOPS	9	0.008	1,488	1.362	636	0.582	2,133	1.953	147,768	218,462,465
OFFICEWORKERS										
METAL	-	-	3	0.090	3	0.090	6	0.181	4,556	6,641,330
NONMETAL	-	-	1	0.037	1	0.037	2	0.075	3,837	5,348,580
STONE	-	-	4	0.055	4	0.055	8	0.110	10,297	14,588,812
SAND AND GRAVEL	-	-	2	0.075	1	0.038	3	0.113	5,807	5,323,528
TOTAL, OFFICEWORKERS	-	-	10	0.063	9	0.056	19	0.119	24,497	31,902,250
SUMMARY TOTAL (INCLUDING OFFICEWORKERS)										
METAL	1	0.003	392	1.304	156	0.519	549	1.826	40,548	60,137,446
NONMETAL	1	0.006	205	1.128	97	0.534	303	1.667	24,062	36,352,214
STONE	2	0.004	671	1.264	278	0.524	951	1.792	69,483	106,151,902
SAND AND GRAVEL	5	0.021	230	0.964	114	0.478	349	1.463	38,172	47,723,153
GRAND TOTAL	9	0.007	1,498	1.197	645	0.515	2,152	1.719	172,265	250,364,715

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

JANUARY - SEPTEMBER 2022 (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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	47,430	
NONMETAL	-	-	-	-	-	-	-	-	-	54	68,270	-	-	-	1	1	122	198,346	
STONE	-	-	-	10	14,073	-	-	2	1	760	1,294,303	-	-	-	17	8	1,591	2,815,471	
SAND AND GRAVEL	-	-	-	-	-	-	-	4	-	514	832,697	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	10	14,073	-	-	6	1	1,328	2,195,270	-	-	-	18	9	1,737	3,061,247	
COAL	-	41	8	1,456	3,064,571	6,900,909	-	1	2	389	644,405	831,658	-	-	1	-	170	328,981	
ALASKA																			
METAL	-	12	5	1,035	1,543,064	-	-	5	5	783	1,279,393	-	-	-	7	2	493	899,923	
NONMETAL	-	-	-	-	-	-	-	-	-	2	650	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	57	34,096	-	-	-	-	-	12	8,798	
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	422	275,119	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	12	5	1,035	1,543,064	-	-	6	6	1,264	1,589,258	-	-	-	7	2	505	908,721	
COAL	-	-	-	-	-	-	-	-	-	79	118,240	720,669	-	-	-	-	2	3,234	
ARIZONA																			
METAL	-	1	-	152	165,651	-	-	102	17	4,630	6,779,597	-	-	-	58	19	3,970	6,053,696	
NONMETAL	-	-	-	-	-	-	-	-	1	54	72,833	-	-	-	5	-	83	113,575	
STONE	-	-	-	-	-	-	-	5	-	545	859,732	-	-	-	1	-	259	434,476	
SAND AND GRAVEL	-	-	-	-	-	-	-	17	6	1,416	2,120,627	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	152	165,651	-	-	124	24	6,645	9,832,789	-	-	-	64	19	4,312	6,601,747	
COAL	-	-	-	-	-	-	-	-	-	33	49,092	-	-	-	-	-	-	-	-
ARKANSAS																			
METAL	-	-	-	-	-	-	-	-	-	15	23,455	-	-	-	4	3	240	427,386	
NONMETAL	-	-	-	-	-	-	-	-	-	119	163,367	-	-	-	2	-	52	78,204	
STONE	-	-	-	18	28,219	-	-	3	2	836	1,342,570	-	-	-	9	4	506	817,256	
SAND AND GRAVEL	-	-	-	-	-	-	2	2	2	421	645,508	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	18	28,219	-	2	5	4	1,391	2,174,900	-	-	-	15	7	798	1,322,846	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA																			
METAL	-	1	-	26	29,105	-	-	9	1	467	620,056	-	-	-	2	-	446	417,939	
NONMETAL	-	-	-	2	779	-	-	9	4	561	795,748	-	-	-	6	5	827	1,195,272	
STONE	-	-	-	-	-	-	-	19	4	990	1,439,935	-	-	-	17	3	1,059	1,606,552	
SAND AND GRAVEL	-	-	-	-	-	-	-	26	8	2,720	4,155,174	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	28	29,884	-	-	63	17	4,738	7,010,913	-	-	-	25	8	2,332	3,219,763	
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 2022 (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		
COLORADO																	
METAL	-	-	1	320	332,228	-	-	6	4	402	566,368	-	-	7	2	414	604,297
NONMETAL	-	1	-	9	7,268	-	-	1	-	47	67,320	-	-	-	-	6	7,350
STONE	-	-	-	23	10,771	-	-	7	3	393	548,181	-	-	4	-	317	469,016
SAND AND GRAVEL	-	-	-	-	-	-	-	10	1	1,094	1,481,866	-	-	-	-	-	-
TOTAL, M/NM	-	1	1	352	350,267	-	-	24	8	1,936	2,663,735	-	-	11	2	737	1,080,663
COAL	-	9	4	754	1,038,877	6,682,311	-	5	1	299	457,157	3,353,906	-	-	-	106	156,837
COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	93	110,019	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	93	110,019	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	1	295	420,202	-	-	2	-	99	155,375
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	192	211,867	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	1	487	632,069	-	-	2	-	99	155,375
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	36,416
NONMETAL	-	-	-	-	-	-	-	1	-	15	15,814	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	28	47,681	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	3	-	43	63,495	-	-	-	-	22	36,416
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA																	
METAL	-	-	-	-	-	-	-	-	-	8	14,984	-	-	2	-	142	228,146
NONMETAL	-	-	-	-	-	-	-	9	4	799	1,327,355	-	-	-	-	446	721,119
STONE	-	-	-	-	-	-	-	12	3	1,179	2,210,521	-	-	9	7	1,114	1,880,571
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	542	858,948	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	23	7	2,528	4,411,808	-	-	11	7	1,702	2,829,836
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 2022 (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		
GEORGIA																	
METAL	-	-	-	-	-	-	-	-	-	2	4,300	-	-	-	-	3	1,819
NONMETAL	-	-	-	-	-	-	-	5	-	267	372,089	-	-	8	6	2,121	3,280,272
STONE	-	1	-	109	160,214	-	-	22	2	818	1,301,767	-	-	11	3	1,185	2,041,479
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	264	426,256	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	109	160,214	-	-	27	2	1,351	2,104,412	-	-	19	9	3,309	5,303,570
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GUAM																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	67	29,356	-	-	-	-	88	69,117
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	95	124,267	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	162	153,623	-	-	-	-	88	69,117
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAWAII																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	8	1	243	368,289	-	-	2	1	20	36,737
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	37	27,354	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	8	1	280	395,643	-	-	2	1	20	36,737
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO																	
METAL	-	7	5	582	829,283	-	-	-	-	3	2,749	-	-	-	3	121	181,389
NONMETAL	-	-	-	-	-	-	-	1	-	374	516,324	-	-	-	-	166	220,195
STONE	-	-	-	-	-	-	-	1	1	280	239,970	-	-	1	1	27	38,423
SAND AND GRAVEL	-	-	-	-	-	-	-	3	6	739	773,903	-	-	-	-	-	-
TOTAL, M/NM	-	7	5	582	829,283	-	-	5	7	1,396	1,532,946	-	-	1	4	314	440,007
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	16	26,361
NONMETAL	-	-	-	-	-	-	-	1	-	148	242,137	-	-	2	1	275	457,911
STONE	-	3	1	202	309,813	-	-	8	5	686	1,015,392	-	-	5	4	781	1,217,904
SAND AND GRAVEL	-	-	-	-	-	-	-	1	3	393	533,979	-	-	-	-	-	-
TOTAL, M/NM	-	3	1	202	309,813	-	-	10	8	1,227	1,791,508	-	-	8	5	1,072	1,702,176
COAL	-	81	30	1,679	2,865,200	28,735,128	-	1	-	97	139,712	681,803	-	2	2	285	475,608

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

JANUARY - SEPTEMBER 2022 (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		
INDIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3,049
NONMETAL	-	-	-	33	56,330	-	-	1	-	34	45,333	-	-	-	-	84	135,962
STONE	-	-	1	226	326,646	-	-	3	5	784	988,197	-	-	10	11	1,041	1,742,142
SAND AND GRAVEL	-	-	-	-	-	-	-	5	2	539	815,798	-	-	-	-	-	-
TOTAL, MINM	-	-	1	259	382,976	-	-	9	7	1,357	1,849,328	-	-	10	11	1,128	1,881,153
COAL	1	39	8	1,180	2,221,483	9,938,738	-	1	2	803	1,312,602	7,275,699	-	3	2	198	356,817
IOWA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	4	3	126	207,300	-	-	1	-	75	84,175	-	-	2	1	83	121,854
STONE	-	3	3	237	410,625	-	-	9	5	828	1,140,979	-	-	4	1	385	627,139
SAND AND GRAVEL	-	-	-	-	-	-	-	4	1	448	503,075	-	-	-	-	5	3,704
TOTAL, MINM	-	7	6	363	617,925	-	-	14	6	1,351	1,728,229	-	-	6	2	473	752,697
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	5	1	118	168,226	-	-	-	-	41	54,412	-	-	-	-	57	77,364
STONE	-	-	-	8	7,255	-	-	4	2	613	821,122	-	-	8	3	286	448,931
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	315	364,305	-	-	-	-	-	-
TOTAL, MINM	-	5	1	126	175,481	-	-	5	2	969	1,239,839	-	-	8	3	343	526,295
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	21	25,123	-	-	-	-	57	99,461
STONE	-	11	2	448	645,756	-	-	12	2	670	1,024,115	-	-	5	2	1,046	1,684,973
SAND AND GRAVEL	-	-	-	-	-	-	-	2	1	190	267,042	-	-	-	-	-	-
TOTAL, MINM	-	11	2	448	645,756	-	-	14	3	881	1,316,280	-	-	5	2	1,103	1,764,434
COAL	1	135	39	3,115	5,645,977	17,074,735	1	9	3	949	1,483,255	4,016,888	-	7	4	604	1,033,704
LOUISIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	16	5	463	773,308
NONMETAL	-	3	-	274	480,051	-	-	-	-	75	175,827	-	-	-	-	195	276,558
STONE	-	-	-	-	-	-	-	-	-	1	520	-	-	-	-	2	446
SAND AND GRAVEL	-	-	-	-	-	-	-	7	-	740	1,078,432	-	-	-	-	-	-
TOTAL, MINM	-	3	-	274	480,051	-	-	7	-	816	1,254,779	-	-	16	5	660	1,050,312
COAL	-	-	-	-	-	-	-	-	-	74	106,385	226,026	-	-	-	-	-

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

JANUARY - SEPTEMBER 2022 (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		
MAINE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	8	2,630	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	1	144	177,148	-	-	1	1	58	96,448
SAND AND GRAVEL	-	-	-	-	-	-	-	2	3	536	501,675	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	8	2,630	-	-	2	4	680	678,823	-	-	1	1	58	96,448
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	5	5,914	-	-	-	-	9	9,942
STONE	-	-	-	15	14,142	-	-	1	3	218	353,606	-	-	3	1	430	748,151
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	204	316,672	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	15	14,142	-	-	2	3	427	676,192	-	-	3	1	439	758,093
COAL	-	1	4	82	142,118	225,658	-	1	-	125	212,813	863,868	-	-	-	41	71,203
MASSACHUSETTS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	15	13,868	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	5	2	368	521,214	-	-	3	1	221	351,021
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	376	349,908	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	7	2	759	884,990	-	-	3	1	221	351,021
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN																	
METAL	-	1	-	23	33,852	-	-	-	-	463	494,571	-	-	-	2	535	619,280
NONMETAL	-	-	-	56	111,204	-	-	-	-	74	122,032	-	-	-	-	15	22,718
STONE	-	-	-	-	-	-	-	2	2	284	455,205	-	-	11	4	621	1,080,659
SAND AND GRAVEL	-	-	-	-	-	-	-	5	9	1,288	1,485,288	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	79	145,056	-	-	7	11	2,109	2,557,096	-	-	11	6	1,171	1,722,635
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA																	
METAL	-	-	-	-	-	-	-	16	9	1,909	2,824,742	-	-	12	3	1,496	2,214,596
NONMETAL	-	-	-	-	-	-	-	-	-	19	13,503	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	6	-	272	369,329	-	-	3	-	53	86,136
SAND AND GRAVEL	-	-	-	-	-	-	-	8	8	1,717	1,227,831	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	30	17	3,917	4,535,405	-	-	15	3	1,549	2,300,732
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 2022 (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		
MISSISSIPPI																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	36	51,109	-	-	5	1	311	557,260
STONE	-	-	-	-	-	-	-	-	-	9	14,468	-	-	-	-	4	5,826
SAND AND GRAVEL	-	-	-	-	-	-	-	4	2	428	548,575	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	4	3	473	614,152	-	-	5	1	315	563,086
COAL	-	-	-	-	-	-	-	1	-	228	361,238	2,604,460	-	-	-	-	-
MISSOURI																	
METAL	-	9	5	585	993,834	-	-	-	-	-	-	-	-	4	1	131	225,372
NONMETAL	-	-	-	23	29,838	-	-	-	-	73	98,407	-	-	5	1	546	891,550
STONE	-	4	3	420	631,279	-	-	8	9	1,295	1,936,585	-	-	37	22	2,077	3,252,218
SAND AND GRAVEL	-	-	-	-	-	-	-	1	3	233	268,801	-	-	-	-	-	-
TOTAL, M/NM	-	13	8	1,028	1,654,951	-	-	9	12	1,601	2,303,793	-	-	46	24	2,754	4,369,140
COAL	-	-	-	-	-	-	-	-	-	7	9,338	50,029	-	-	-	-	-
MONTANA																	
METAL	-	13	8	1,531	2,083,644	-	-	1	1	202	307,719	-	-	4	2	357	485,406
NONMETAL	-	-	-	9	6,225	-	-	1	-	69	80,709	-	-	7	-	149	218,758
STONE	-	-	-	-	-	-	-	4	1	158	167,498	-	-	4	2	156	241,535
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	523	451,381	-	-	-	-	-	-
TOTAL, M/NM	-	13	8	1,540	2,089,869	-	-	8	2	952	1,007,307	-	-	15	4	662	945,699
COAL	-	7	2	170	268,011	5,929,647	-	9	4	676	994,184	15,800,940	-	-	-	90	126,787
NEBRASKA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	17	12,321	-	-	-	-	-	-
STONE	-	3	-	224	416,673	-	-	-	1	52	66,274	-	-	3	5	118	207,981
SAND AND GRAVEL	-	-	-	-	-	-	-	3	1	417	526,068	-	-	-	-	-	-
TOTAL, M/NM	-	3	-	224	416,673	-	-	3	2	486	604,663	-	-	3	5	118	207,981
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA																	
METAL	1	11	5	2,844	4,418,308	-	-	19	22	4,229	6,715,739	-	-	19	9	2,579	4,001,761
NONMETAL	-	-	-	-	-	-	-	-	3	290	387,491	-	-	5	2	461	661,823
STONE	-	-	-	-	-	-	-	1	-	168	244,188	-	-	1	-	212	330,739
SAND AND GRAVEL	-	-	-	-	-	-	-	2	4	688	985,749	-	-	-	-	-	-
TOTAL, M/NM	1	11	5	2,844	4,418,308	-	-	24	25	5,375	8,333,167	-	-	25	11	3,252	4,994,323
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 2022 (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		
NEW HAMPSHIRE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	1	2,072	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	3	1	159	219,773	-	-	3	3	21	33,119
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	374	376,039	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	4	1	534	597,884	-	-	3	3	21	33,119
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	24	42,809	-	-	3	-	107	154,284
STONE	-	-	-	-	-	-	-	10	3	381	654,518	-	-	4	2	126	206,058
SAND AND GRAVEL	-	-	-	-	-	-	-	1	2	357	522,391	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	11	6	762	1,219,518	-	-	7	2	233	360,342
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO																	
METAL	-	-	-	-	-	-	-	4	-	398	557,288	-	-	9	-	332	425,465
NONMETAL	-	3	3	270	434,387	-	-	2	1	195	295,080	-	-	9	4	308	450,733
STONE	-	-	-	-	-	-	-	3	-	268	371,151	-	-	-	-	79	112,735
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	396	486,888	-	-	-	-	-	-
TOTAL, M/NM	-	3	3	270	434,387	-	-	11	1	1,255	1,710,407	-	-	18	4	719	988,933
COAL	-	3	2	192	282,068	1,596,850	-	3	2	581	865,037	6,661,205	-	-	-	18	32,082
NEW YORK																	
METAL	-	1	1	110	164,663	-	-	-	-	14	23,864	-	-	3	-	75	132,779
NONMETAL	-	11	1	449	793,315	-	-	1	-	61	54,910	-	-	4	2	172	251,873
STONE	-	-	-	19	31,795	-	-	8	7	915	1,195,998	-	-	8	4	628	974,993
SAND AND GRAVEL	-	-	-	-	-	-	-	4	-	1,116	1,186,371	-	-	-	-	-	-
TOTAL, M/NM	-	12	2	578	989,773	-	-	13	7	2,106	2,461,143	-	-	15	6	875	1,359,645
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA																	
METAL	-	-	-	-	-	-	-	-	-	1	1,540	-	-	-	-	3	5,024
NONMETAL	-	-	-	-	-	-	-	8	3	382	583,015	-	-	2	5	396	633,643
STONE	-	-	-	-	-	-	-	6	4	919	1,420,828	-	-	10	5	793	1,403,707
SAND AND GRAVEL	-	-	-	-	-	-	-	3	-	289	459,770	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	17	7	1,591	2,465,153	-	-	12	10	1,192	2,042,374
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 2022 (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 DAKOTA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	23	10,371	-	-	1	-	26	34,765
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	3	441	400,136	-	-	-	-	-	-
TOTAL, MINM	-	-	-	-	-	-	-	2	3	464	410,507	-	-	1	-	26	34,765
COAL	-	-	-	-	-	-	-	2	1	1,171	1,698,853	20,637,327	-	-	-	3	1,935
OHIO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	3	-	301	494,962	-	-	1	-	146	202,964	-	-	1	-	91	137,858
STONE	-	-	-	102	173,361	-	-	7	-	778	1,006,218	-	-	7	6	945	1,398,364
SAND AND GRAVEL	-	-	-	-	-	-	-	4	2	898	1,193,531	-	-	-	-	-	-
TOTAL, MINM	-	3	-	403	668,323	-	-	12	2	1,822	2,402,713	-	-	8	6	1,036	1,536,222
COAL	-	3	-	185	243,917	973,643	-	3	-	152	274,146	871,889	-	1	-	87	93,539
OKLAHOMA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	2	3	216	343,657	-	-	-	-	42	67,494
STONE	-	-	-	9	15,482	-	-	13	4	1,444	2,319,931	-	-	6	1	546	874,257
SAND AND GRAVEL	-	-	-	-	-	-	-	5	2	438	721,253	-	-	-	-	-	-
TOTAL, MINM	-	-	-	9	15,482	-	-	20	9	2,098	3,384,841	-	-	6	1	588	941,741
COAL	-	-	-	-	-	-	-	-	-	1	799	1,315	-	-	-	-	-
OREGON																	
METAL	-	-	-	9	7,437	-	-	-	-	35	21,719	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	87	76,397	-	-	1	-	156	259,573
STONE	-	-	-	-	-	-	-	6	2	800	1,039,380	-	-	1	1	93	137,944
SAND AND GRAVEL	-	-	-	-	-	-	-	6	3	486	564,245	-	-	-	-	-	-
TOTAL, MINM	-	-	-	9	7,437	-	-	12	5	1,408	1,701,741	-	-	2	1	249	397,517
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	125	175,500
NONMETAL	-	-	-	-	-	-	-	-	-	45	57,651	-	-	4	2	133	184,184
STONE	1	8	1	344	545,242	-	-	39	9	2,321	2,975,021	-	-	15	2	1,909	2,697,808
SAND AND GRAVEL	-	-	-	-	-	-	-	2	2	361	485,441	-	-	-	-	-	-
TOTAL, MINM	1	8	1	344	545,242	-	-	41	11	2,727	3,518,113	-	-	20	5	2,167	3,057,492
BITUMINOUS COAL	1	69	26	2,719	4,522,046	26,057,109	-	2	2	463	730,734	1,507,253	-	3	-	391	650,435
ARTHRAIC COAL	-	-	-	39	35,258	34,103	-	12	2	553	782,654	1,740,452	-	8	4	378	536,046
COAL	1	69	26	2,758	4,557,304	26,091,212	-	14	4	1,016	1,513,388	3,247,705	-	11	4	769	1,186,481

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

JANUARY - SEPTEMBER 2022 (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		
PUERTO RICO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	12	14,471	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	5	-	306	412,718	-	-	5	-	306	443,909
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	98	116,884	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	6	-	416	544,073	-	-	5	-	306	443,909
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RHODE ISLAND																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	59	92,372	-	-	-	-	5	9,521
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	198	268,528	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	1	257	360,900	-	-	-	-	5	9,521
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA																	
METAL	-	-	-	-	-	-	-	2	1	414	722,813	-	-	1	-	110	168,862
NONMETAL	-	-	-	-	-	-	-	-	1	57	84,772	-	-	1	1	142	236,512
STONE	-	-	-	-	-	-	-	3	4	356	605,960	-	1	11	1	571	949,782
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	246	401,314	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	7	6	1,073	1,814,859	-	1	13	2	823	1,355,156
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA																	
METAL	-	-	-	-	-	-	-	-	-	159	217,087	-	-	-	1	43	66,531
NONMETAL	-	-	-	-	-	-	-	-	-	13	11,156	-	-	-	-	22	29,045
STONE	-	-	-	-	-	-	-	3	3	201	302,545	-	-	9	1	177	348,089
SAND AND GRAVEL	-	-	-	-	-	-	-	4	1	374	396,282	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	7	4	747	927,070	-	-	9	2	242	443,665
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE																	
METAL	-	12	5	563	919,909	-	-	-	-	-	-	-	-	2	-	94	128,474
NONMETAL	-	-	-	-	-	-	-	-	-	50	76,259	-	-	1	2	167	272,480
STONE	-	-	2	127	175,791	-	-	10	3	1,080	1,527,444	-	-	2	4	1,055	1,677,302
SAND AND GRAVEL	-	-	-	-	-	-	-	3	1	257	398,427	-	-	-	-	-	-
TOTAL, M/NM	-	12	7	690	1,065,700	-	-	13	4	1,387	2,002,130	-	-	5	6	1,316	2,078,256
COAL	-	-	-	-	-	-	-	-	-	4	7,690	482	-	-	-	6	4,940

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

JANUARY - SEPTEMBER 2022 (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		
TEXAS																	
METAL	-	-	-	-	-	-	-	-	-	2	3,835	-	-	-	-	11	21,280
NONMETAL	-	5	-	43	75,227	-	-	14	7	859	1,480,144	-	-	5	2	993	1,571,888
STONE	-	-	-	17	29,051	-	-	30	7	4,057	6,900,690	-	-	30	11	2,477	4,501,973
SAND AND GRAVEL	-	-	-	-	-	-	1	32	19	4,202	7,195,188	-	-	-	-	-	-
TOTAL, M/NM	-	5	-	60	104,278	-	1	76	33	9,120	15,559,857	-	-	35	13	3,481	6,095,101
COAL	-	-	-	-	-	-	-	4	1	993	1,613,523	12,628,277	-	-	-	-	-
UTAH																	
METAL	-	-	3	86	105,864	-	-	3	-	1,108	1,224,159	-	-	1	1	577	902,758
NONMETAL	-	2	1	106	140,640	-	-	-	1	165	208,286	-	-	3	2	248	340,774
STONE	-	-	-	-	-	-	-	1	-	226	303,284	-	-	-	3	204	289,319
SAND AND GRAVEL	-	-	-	-	-	-	-	7	9	1,376	1,706,816	-	-	-	-	-	-
TOTAL, M/NM	-	2	4	192	246,504	-	-	11	10	2,873	3,442,545	-	-	4	6	1,029	1,532,851
COAL	-	27	14	1,209	1,673,951	8,283,181	-	-	2	26	44,254	186,427	-	-	1	93	145,882
VERMONT																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	22	14,839	-	-	1	-	20	29,501
STONE	-	1	-	32	53,727	-	-	2	-	343	397,078	-	-	4	1	246	361,793
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	195	150,872	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	32	53,727	-	-	3	-	560	562,789	-	-	5	1	266	391,294
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGIN ISLANDS OF THE U S																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	28	43,833	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	28	43,833	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	43	47,526	-	-	1	5	196	280,290
STONE	-	-	-	15	17,092	-	-	8	2	716	1,127,397	-	-	11	5	1,153	1,855,967
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	257	368,412	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	15	17,092	-	-	9	4	1,016	1,543,335	-	-	12	10	1,349	2,136,257
COAL	-	18	10	1,208	2,134,798	5,673,780	-	1	-	710	1,214,424	2,438,296	-	2	3	359	610,450

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

JANUARY - SEPTEMBER 2022 (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		
WASHINGTON																	
METAL	-	1	1	24	28,085	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	34	54,858	-	-	-	-	57	94,004
STONE	-	-	-	-	-	-	-	5	-	378	488,165	-	-	6	6	226	310,830
SAND AND GRAVEL	-	-	-	-	-	-	-	12	2	935	1,186,341	-	-	-	-	-	-
TOTAL, M/NM	-	1	1	24	28,085	-	-	18	2	1,347	1,729,364	-	-	6	6	283	404,834
COAL	-	-	-	-	-	-	-	-	-	19	26,381	-	-	-	-	-	-
WEST VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	59,964
NONMETAL	-	-	-	-	-	-	-	-	-	13	19,052	-	-	-	-	87	129,706
STONE	-	-	-	107	148,739	-	-	2	-	229	302,179	-	-	4	2	336	478,030
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	20	23,380	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	107	148,739	-	-	2	-	262	344,611	-	-	4	2	456	667,700
COAL	2	255	93	8,783	15,509,107	51,729,169	-	19	11	2,375	4,199,967	11,040,345	-	12	7	1,698	2,825,802
WISCONSIN																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	1	1	1	451	644,429	-	-	1	-	202	299,028
STONE	-	-	-	-	-	-	-	12	9	1,068	1,454,487	-	-	8	2	488	814,654
SAND AND GRAVEL	-	-	-	-	-	-	-	13	5	1,045	1,131,469	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	26	15	2,564	3,230,385	-	-	9	2	690	1,113,682
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING																	
METAL	-	-	-	-	-	-	-	-	-	2	1,040	-	-	-	-	-	-
NONMETAL	-	7	3	787	1,226,618	-	-	6	2	245	383,148	-	-	7	7	1,553	2,485,740
STONE	-	-	-	-	-	-	-	-	2	122	203,437	-	-	-	1	157	292,501
SAND AND GRAVEL	-	-	-	-	-	-	-	4	3	389	340,078	-	-	-	-	-	-
TOTAL, M/NM	-	7	3	787	1,226,618	-	-	10	7	758	927,703	-	-	7	8	1,710	2,778,241
COAL	-	-	-	4	2,622	-	-	13	10	4,623	6,439,803	168,024,827	-	-	-	91	95,996
NATION																	
METAL	1	69	39	7,890	11,654,927	-	-	167	60	15,244	22,507,018	-	-	153	54	12,858	19,334,171
NONMETAL	-	44	12	2,614	4,235,000	-	1	67	34	6,428	9,499,797	-	-	93	50	11,183	17,268,837
STONE	1	34	13	2,712	4,165,746	-	-	318	116	30,165	44,749,169	-	1	315	145	26,309	42,648,175
SAND AND GRAVEL	-	-	-	-	-	-	5	228	113	32,360	42,395,921	-	-	-	-	5	3,704
TOTAL, M/NM	2	147	64	13,216	20,055,673	-	6	780	323	84,197	119,151,905	-	1	561	249	50,355	79,254,887
COAL	5	688	240	22,755	39,850,004	169,834,961	1	87	43	15,430	23,786,486	262,164,041	-	39	23	4,620	7,550,288

Table 4. NUMBER OF OPERATOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION
JANUARY - SEPTEMBER 2022 (PRELIMINARY)

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	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	6	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	1
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	2	3	1	1	-	-	-	-	-	-	-	-	-	-	-	2	-
Fall of face, rib, pillar, side or highwall	1	10	4	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Fall of roof or back	1	62	27	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-
Fire	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
Handling material	-	243	76	-	22	13	-	11	8	-	27	11	-	44	23	-	67	19
Handtools	-	47	42	-	1	10	-	2	6	-	4	7	-	11	8	-	10	10
Nonpowered haulage	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	2	2
<u>Powered haulage</u>	1	72	16	-	13	5	-	3	2	1	10	3	-	37	3	-	-	3
HAULAGE TRUCKS	-	3	-	-	9	4	-	1	1	1	2	2	-	29	2	-	-	1
FRONT-END LOADERS	-	27	5	-	1	-	-	1	1	-	6	-	-	5	1	-	-	1
ALL OTHER Powered haulage	1	42	11	-	3	1	-	1	-	-	2	1	-	3	-	-	-	1
Hoisting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignition or explosion of gas or dust	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Machinery</u>	1	103	44	-	8	8	-	4	5	-	7	8	-	24	9	-	12	4
DOZER	-	2	-	-	-	2	-	-	-	-	-	-	-	5	1	-	-	-
DRILL	-	4	-	-	2	1	-	-	-	-	5	1	-	1	-	-	1	-
ALL OTHER Machinery	1	97	44	-	6	5	-	4	5	-	2	7	-	18	8	-	11	4
Slip or fall of person	-	103	18	-	34	7	-	17	2	-	11	5	-	41	13	-	42	11
Stepping or kneeling on object	-	11	-	-	4	-	-	-	-	-	2	1	-	3	-	-	2	1
Striking or bumping	-	4	4	-	-	-	-	1	-	-	-	1	-	1	-	-	4	-
Other	-	18	3	-	2	-	-	-	-	-	4	1	-	5	3	-	12	3
Total	5	688	240	1	87	43	-	39	23	1	69	39	-	167	60	-	153	54

Table 4. NUMBER OF OPERATOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION
JANUARY - SEPTEMBER 2022 (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	-	-	-	-	1	-	-	3	1	-	-	2	3
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	1	1	-	-	2	1
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	1	-	-	-	1
Fall of face, rib, pillar, side or highwall	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
Fall of roof or back	-	-	-	-	-	-	-	-	-	1	3	1	-	-	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Handling material	-	13	3	-	17	10	-	33	24	-	10	4	-	97	44	-	110	55	-	77	36
Handtools	-	1	3	-	4	8	-	8	6	-	-	2	-	44	21	-	41	42	-	24	27
Nonpowered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-
<u>Powered haulage</u>	-	6	1	-	14	4	-	5	3	-	4	2	-	47	7	-	10	7	1	26	7
HAULAGE TRUCKS	-	1	-	-	5	-	-	2	2	-	2	1	-	21	4	-	6	1	1	7	3
FRONT-END LOADERS	-	1	-	-	8	4	-	1	1	-	-	-	-	24	2	-	1	4	-	17	4
ALL OTHER Powered haulage	-	4	1	-	1	-	-	2	-	-	2	1	-	2	1	-	3	2	-	2	-
Hoisting	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Machinery</u>	-	6	2	-	10	3	-	15	6	-	3	1	-	33	17	1	36	25	2	16	21
DOZER	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	1	-	2	1	1
DRILL	-	2	-	-	-	-	-	1	2	-	-	-	-	1	3	-	2	1	-	-	-
ALL OTHER Machinery	-	4	2	-	8	3	-	14	4	-	3	1	-	32	13	1	33	24	-	15	20
Slip or fall of person	-	12	1	-	16	4	-	25	7	-	10	3	-	76	16	-	86	7	-	63	14
Stepping or kneeling on object	-	1	1	-	2	-	-	1	1	-	2	-	-	8	1	-	4	1	-	5	-
Striking or bumping	-	1	-	-	2	-	-	1	1	-	-	-	-	2	1	-	1	1	-	1	-
Other	-	3	-	1	2	5	-	2	1	-	1	-	-	5	9	-	18	4	2	10	3
Total	-	44	12	1	67	34	-	93	50	1	34	13	-	318	116	1	315	145	5	228	113

TABLE 5. NUMBER OF CONTRACTOR INJURIES, INJURY-INCIDENT RATES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS, AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION
JANUARY - SEPTEMBER 2022 (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	1	-	39	-	15	-	55	-		-	
SURFACE AT UG	-	-	10	-	8	-	18	-		-	
TOTAL, UNDERGROUND MINES	1	-	49	-	23	-	73	-		-	
SURFACE MINES:											
STRIP MINES	1	-	12	-	7	-	20	-		-	
AUGER MINES	-	-	-	-	-	-	-	-		-	
OTHER SURFACE MINES	-	-	1	-	-	-	1	-		-	
CULM BANK	-	-	-	-	-	-	-	-		-	
DREDGE	-	-	-	-	-	-	-	-		-	
TOTAL, SURFACE MINES	1	-	13	-	7	-	21	-		-	
TOTAL, PRODUCTION MINING	2	-	62	-	30	-	94	-		-	
PREPARATION PLANTS	1	-	16	-	8	-	25	-		-	
INDEPENDENT SHOPS OR YARDS	-	-	-	-	-	-	-	-		-	
TOTAL, OTHER OPERATIONS	1	-	16	-	8	-	25	-		-	
Total, BITUMINOUS COAL	3	-	78	-	38	-	119	-		-	
ANTHRACITE COAL											
UNDERGROUND MINES:											
UNDERGROUND	-	-	-	-	-	-	-	-		-	
SURFACE AT UG	-	-	-	-	-	-	-	-		-	
TOTAL, UNDERGROUND MINES	-	-	-	-	-	-	-	-		-	
SURFACE MINES:											
STRIP MINES	-	-	1	-	2	-	3	-		-	
CULM BANK	-	-	-	-	-	-	-	-		-	
DREDGE	-	-	-	-	-	-	-	-		-	
TOTAL, SURFACE MINES	-	-	1	-	2	-	3	-		-	
TOTAL, PRODUCTION MINING	-	-	1	-	2	-	3	-		-	
PREPARATION PLANTS	-	-	-	-	-	-	-	-		-	
INDEPENDENT SHOPS OR YARDS	-	-	-	-	-	-	-	-		-	
TOTAL, OTHER OPERATIONS	-	-	-	-	-	-	-	-		-	
Total, ANTHRACITE COAL	-	-	1	-	2	-	3	-		-	
ALL COAL											
UNDERGROUND MINES:											
UNDERGROUND	1	0.057	39	2.238	15	0.861	55	3.156	4,366	3,485,015	140,083
SURFACE AT UG	-	-	10	0.699	8	0.559	18	1.258	3,806	2,861,498	-
TOTAL, UNDERGROUND MINES	1	0.032	49	1.544	23	0.725	73	2.300	8,172	6,346,513	140,083
SURFACE MINES:											
STRIP MINES	1	0.035	13	0.456	9	0.315	23	0.806	7,313	5,705,332	160,711
AUGER MINES	-	-	-	-	-	-	-	-	57	37,831	-
CULM BANK	-	-	1	0.717	-	-	1	0.717	272	278,788	-
DREDGE	-	-	-	-	-	-	-	-	28	5,734	-
TOTAL, SURFACE MINES	1	0.033	14	0.465	9	0.299	24	0.796	7,670	6,027,685	160,711
TOTAL, PRODUCTION MINING	2	0.032	63	1.018	32	0.517	97	1.568	15,842	12,374,198	300,794
PREPARATION PLANTS	1	0.068	16	1.084	8	0.542	25	1.693	3,514	2,953,183	-
INDEPENDENT SHOPS/YARDS	-	-	-	-	-	-	-	-	60	98,847	-
TOTAL, OTHER OPERATIONS	1	0.066	16	1.048	8	0.524	25	1.638	3,574	3,052,030	-
Total, ALL COAL	3	0.039	79	1.024	40	0.519	122	1.582	19,416	15,426,228	300,794
OFFICEWORKERS											
BITUMINOUS COAL	-	-	-	-	-	-	-	-		-	
ANTHRACITE COAL	-	-	-	-	-	-	-	-		-	
TOTAL, OFFICEWORKERS	-	-	-	-	-	-	-	-	669	648,302	-
GRAND TOTAL	3	0.037	79	0.983	40	0.498	122	1.518	20,085	16,074,530	300,794

TABLE 6. NUMBER OF CONTRACTOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY
JANUARY - SEPTEMBER 2022 (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	-	-	21	0.734	20	0.699	41	1.432	-	-
NONMETAL	-	-	1	-	1	-	2	-	-	-
STONE	1	-	4	-	2	-	7	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, UNDERGROUND MINES	1	-	26	0.908	23	0.804	50	1.747	7,340	5,724,326
SURFACE MINES	-	-	-	-	-	-	-	-	-	-
METAL	1	-	45	0.262	16	0.093	62	0.360	-	-
NONMETAL	-	-	9	-	7	-	16	-	-	-
STONE	1	-	54	-	18	-	73	-	-	-
SAND AND GRAVEL	-	-	11	-	9	-	20	-	-	-
TOTAL, SURFACE MINES	2	-	119	0.692	50	0.291	171	0.994	43,068	34,406,797
TOTAL, MINES	3	0.015	145	0.723	73	0.364	221	1.101	50,408	40,131,123
MILLS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	22	0.256	22	0.256	44	0.513	-	-
NONMETAL	-	-	6	-	2	-	8	-	-	-
STONE	1	-	29	-	16	-	46	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, MILLS	1	-	57	0.664	40	0.466	98	1.142	16,979	17,157,780
INDEPENDENT SHOPS AND YARDS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, INDEPENDENT SHOPS AND YARDS	-	-	-	-	-	-	-	-	1	2
ALL MINES, MILLS AND SHOPS	-	-	-	-	-	-	-	-	-	-
METAL	1	-	88	0.307	58	0.202	147	0.513	-	-
NONMETAL	-	-	16	-	10	-	26	-	-	-
STONE	3	-	87	-	36	-	126	-	-	-
SAND AND GRAVEL	-	-	11	-	9	-	20	-	-	-
TOTAL, ALL MINES, MILLS AND SHOPS	4	0.014	202	0.705	113	0.394	319	1.114	67,388	57,288,905
OFFICEWORKERS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	1	0.091	-	-	1	0.091	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, OFFICEWORKERS	-	-	1	0.091	-	-	1	0.091	2,242	2,197,020
SUMMARY TOTAL (INCLUDING OFFICEWORKERS)	-	-	-	-	-	-	-	-	-	-
METAL	1	-	89	0.299	58	0.195	148	0.498	-	-
NONMETAL	-	-	16	-	10	-	26	-	-	-
STONE	3	-	87	-	36	-	126	-	-	-
SAND AND GRAVEL	-	-	11	-	9	-	20	-	-	-
GRAND TOTAL	4	0.013	203	0.683	113	0.380	320	1.076	69,630	59,485,925

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

JANUARY - SEPTEMBER 2022 (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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	5	1	-	-	-	-	4	6	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	5	1	-	-	-	-	4	6	-	-
COAL	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALASKA																	
METAL	-	3	5	-	-	-	-	1	1	-	-	-	-	-	3	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	3	5	-	-	-	-	1	1	-	-	-	-	-	3	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA																	
METAL	-	1	1	-	-	-	1	16	6	-	-	-	-	8	9	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	-	-	-	-	-	2	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	1	-	-	-	1	18	6	-	-	-	-	10	9	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	3	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	4	3	-	-	-	-	3	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 2022 (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		
COLORADO																	
METAL	-	1	-	-	-	-	-	5	2	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	-	-	-	-	5	2	-	-	-	-	-	-	-	-
COAL	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA																	
METAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	4	1	-	-	-	-	2	2	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	7	2	-	-	-	-	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 2022 (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		
GEORGIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	3	1	-	-	-	-	-	1	-	-
STONE	-	-	-	-	-	-	-	2	1	-	-	-	1	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	5	2	-	-	-	1	-	1	-	-
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	-	2	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	2	-	-	-	-	1	1	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-
COAL	-	2	5	-	-	-	-	1	-	-	-	-	-	3	2	-	-

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

JANUARY - SEPTEMBER 2022 (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		
INDIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	2	-	-	-	-	-	3	-	-	-	-	-	4	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	-	-	-	-	-	3	-	-	-	-	-	4	1	-	-
COAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOWA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
COAL	-	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
LOUISIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
NONMETAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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 - SEPTEMBER 2022 (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		
MAINE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
MASSACHUSETTS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN																	
METAL	-	1	1	-	-	-	-	3	-	-	-	-	-	4	2	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	1	-	-	-	-	4	-	-	-	-	-	4	2	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA																	
METAL	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	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 2022 (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		
MISSISSIPPI																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	4	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	6	1	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA																	
METAL	-	3	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	3	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
NEBRASKA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA																	
METAL	-	5	7	-	-	-	-	17	4	-	-	-	-	4	3	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	5	7	-	-	-	-	19	4	-	-	-	-	4	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 - SEPTEMBER 2022 (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		
NEW HAMPSHIRE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO																	
METAL	-	-	-	-	-	-	-	1	1	-	-	-	-	3	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	2	-	-	-	-	3	-	-	-
COAL	-	1	-	-	-	-	1	-	-	-	-	-	-	-	2	-	-
NEW YORK																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
STONE	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	-	-	-	-	-	1	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	1	-	-	-	-	4	-	-	-
STONE	-	-	-	-	-	-	-	1	3	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	4	-	-	-	-	4	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 2022 (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 DAKOTA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, MINM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	6	-	-	-	-	-	2	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, MINM	-	-	-	-	-	-	-	6	1	-	-	-	-	2	1	-	-
COAL	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OKLAHOMA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL, MINM	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL, MINM	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	2	-	-	-	-	-	6	3	-	-	-	-	2	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, MINM	-	2	-	-	-	-	-	6	3	-	-	-	-	2	1	-	-
BITUMINOUS COAL	-	11	7	-	-	-	-	2	-	-	-	-	-	1	1	-	-
ARTHRAHITE COAL	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
COAL	-	11	7	-	-	-	-	3	2	-	-	-	-	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 - SEPTEMBER 2022 (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		
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	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
STONE	-	-	-	-	-	-	-	1	1	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	1	-	-	-	-	1	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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 2022 (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		
TEXAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	5	1	-	-	-	-	3	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	7	4	-	-	-	-	3	1	-	-
COAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
UTAH																	
METAL	-	4	-	-	-	-	-	-	1	-	-	-	-	1	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	4	-	-	-	-	-	1	3	-	-	-	-	2	1	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-
COAL	-	3	1	-	-	-	-	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 2022 (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	NOL				Fatal	NFDL	NOL				Fatal	NFDL	NOL		
WASHINGTON																	
METAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, MINM	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, MINM	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-
COAL	1	28	4	-	-	-	-	3	-	-	-	-	1	8	2	-	-
WISCONSIN																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, MINM	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, MINM	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	4	5	-	-	-	-	2	-	-	-
NATION																	
METAL	-	21	20	-	-	-	1	45	16	-	-	-	-	22	22	-	-
NONMETAL	-	1	1	-	-	-	-	9	7	-	-	-	-	6	2	-	-
STONE	1	4	2	-	-	-	1	53	18	-	-	-	1	29	16	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	11	9	-	-	-	-	-	-	-	-
TOTAL, MINM	1	26	23	7,340	5,724,326	-	2	118	50	43,068	34,406,797	-	1	57	40	16,980	17,157,782
COAL	1	49	23	8,172	6,346,513	140,083	1	14	9	7,670	6,027,685	160,711	1	16	8	3,574	3,052,030

Table 8. NUMBER OF CONTRACTOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION
JANUARY - SEPTEMBER 2022 (PRELIMINARY)

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Fall of roof or back	-	1	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Handling material	-	23	6	-	3	1	-	9	4	-	5	9	-	15	6	-	9	6
Handtools	-	3	6	-	1	1	-	2	3	-	2	3	-	5	4	-	2	6
Nonpowered haulage	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Powered haulage</u>	-	5	3	-	1	1	-	1	-	-	1	1	1	2	1	-	1	1
HAULAGE TRUCKS	-	2	1	-	-	-	-	1	-	-	-	-	1	2	1	-	1	1
FRONT-END LOADERS	-	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER Powered haulage	-	3	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Hoisting	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Machinery</u>	1	3	2	1	1	5	-	1	-	-	6	2	-	11	2	-	2	3
DOZER	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
DRILL	1	-	-	-	-	1	-	-	-	-	5	1	-	2	1	-	1	-
ALL OTHER Machinery	-	3	2	1	1	4	-	1	-	-	1	1	-	8	1	-	1	3
Slip or fall of person	-	9	3	-	7	1	1	3	-	-	4	1	-	10	3	-	6	4
Stepping or kneeling on object	-	2	-	-	-	-	-	-	1	-	-	1	-	1	-	-	1	-
Striking or bumping	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Other	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2
Total	1	49	23	1	14	9	1	16	8	-	21	20	1	45	16	-	22	22

Table 8. NUMBER OF CONTRACTOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION
JANUARY - SEPTEMBER 2022 (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	-
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Fall of face, rib, pillar, side or highwall	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Fall of roof or back	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Handling material	-	1	-	-	2	2	-	2	1	-	-	1	-	16	7	-	8	4	-	2	5
Handtools	-	-	-	-	-	-	-	-	-	-	1	-	-	3	7	-	5	5	-	3	-
Nonpowered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
<u>Powered haulage</u>	-	-	-	-	1	-	-	1	1	-	1	-	-	5	-	-	3	1	-	-	-
HAULAGE TRUCKS	-	-	-	-	1	-	-	1	-	-	1	-	-	4	-	-	1	1	-	-	-
FRONT-END LOADERS	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-
ALL OTHER Powered haulage	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Hoisting	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Machinery</u>	-	-	-	-	1	1	-	1	-	1	1	-	-	12	2	1	5	4	-	-	1
DOZER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
DRILL	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-	1	-	-	-	-	-
ALL OTHER Machinery	-	-	-	-	1	1	-	-	-	1	1	-	-	10	1	-	5	4	-	-	-
Slip or fall of person	-	-	1	-	4	2	-	-	-	-	1	1	1	13	1	-	4	1	-	4	2
Stepping or kneeling on object	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Striking or bumping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	1	-	-	-	-	-	-	-	2	1	-	-	1	-	1	-
Total	-	1	1	-	9	7	-	6	2	1	4	2	1	53	18	1	29	16	-	11	9