

Mine Injury and Worktime, Quarterly

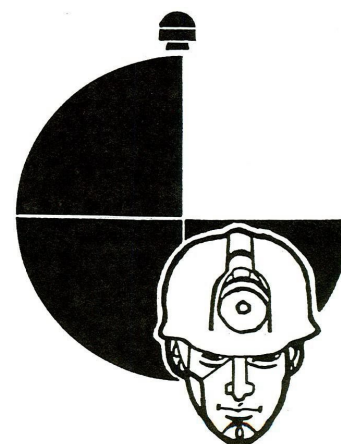


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SCOPE OF DATA AND ITS LIMITATIONS

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

CY 2020, 2021, and 2022

CY 2020					
	Coal	Metal	Nonmetal	Sand & Gravel	Stone
Q1	1			2	2
Q2				3	2
Q3			1	5	2
Q4	4	1	3		3

CY 2021					
	Coal	Metal	Nonmetal	Sand & Gravel	Stone
Q1	1	2	1	3	1
Q2	3	3		2	1
Q3	3	3		1	3
Q4	3			4	3

CY 2022					
	Coal	Metal	Nonmetal	Sand & Gravel	Stone
Q1	6	2	1	2	1
Q2					3
Q3	3			3	1
Q4	2	1	1	1	3

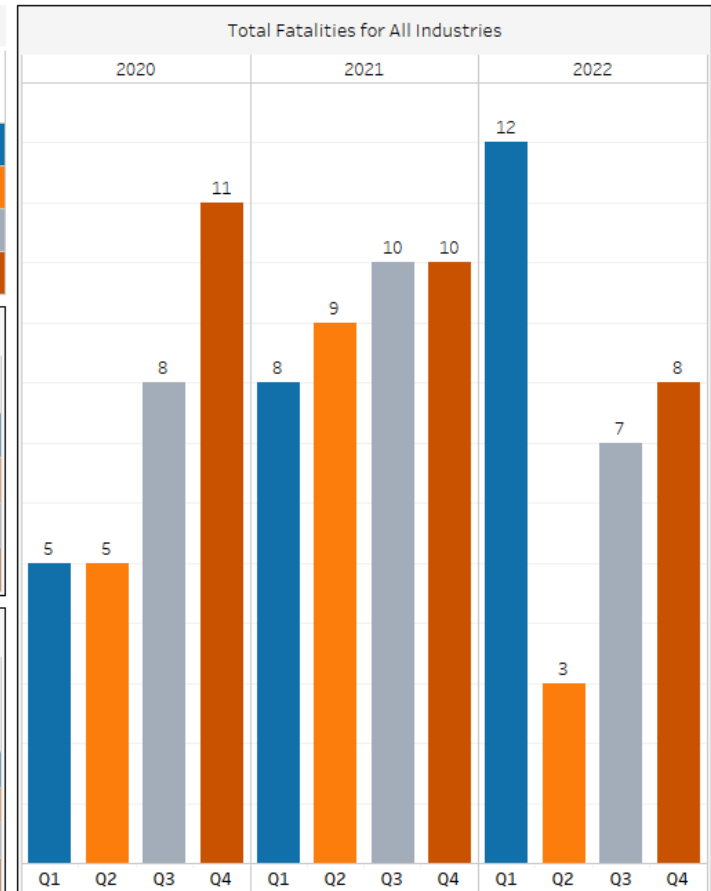


TABLE 1. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS, AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION JANUARY - DECEMBER 2022 (FINAL)

TYPE OF COAL/WORK LOCATION	Fatal	Fatal IR	NFDL	NFDL IR	NDL	NDL IR	All OCCURENCES	ALL INCIDENT RATES	AVG # EMP	EMP HRS	PRODUCTION
BITUMINOUS COAL											
UNDERGROUND MINES:											
UNDERGROUND	6	0.024	858	3.449	324	1.302	1,188	4.775	21,514	49,759,246	222,820,099
SURFACE AT UG	-	-	43	2.490	16	0.926	59	3.416	1,620	3,454,173	-
TOTAL, UNDERGROUND MINES	6	0.023	901	3.386	340	1.278	1,247	4.687	23,134	53,213,419	222,820,099
SURFACE MINES:											
STRIP MINES	2	0.013	108	0.687	45	0.286	155	0.985	14,781	31,458,230	367,218,096
AUGER MINES	-	-	1	0.528	3	1.585	4	2.114	264	378,504	1,862,442
OTHER SURFACE MINES	-	-	-	-	1	0.880	1	0.880	137	227,394	383,314
TOTAL, SURFACE MINES	2	0.012	109	0.680	49	0.306	160	0.998	15,182	32,064,128	369,463,852
TOTAL, PRODUCTION MINING	8	0.019	1,010	2.369	389	0.912	1,407	3.300	38,316	85,277,547	592,283,951
PREPARATION PLANTS	-	-	41	0.888	23	0.498	64	1.386	4,196	9,232,916	-
INDEPENDENT SHOPS OR YARDS	-	-	4	2.551	1	0.638	5	3.189	144	313,611	-
TOTAL, OTHER OPERATIONS	-	-	45	0.943	24	0.503	69	1.446	4,340	9,546,527	-
Total, BITUMINOUS COAL	8	0.017	1,055	2.225	413	0.871	1,476	3.113	42,656	94,824,074	592,283,951
ANTHRACITE COAL											
UNDERGROUND MINES:											
UNDERGROUND	-	-	-	-	-	-	-	-	25	37,083	52,301
SURFACE AT UG	-	-	-	-	-	-	-	-	13	13,642	-
TOTAL, UNDERGROUND MINES	-	-	-	-	-	-	-	-	38	50,725	52,301
SURFACE MINES:											
STRIP MINES	-	-	16	3.425	2	0.428	18	3.854	470	934,214	2,450,775
CULM BANK	-	-	-	-	-	-	-	-	112	203,053	18,773
TOTAL, SURFACE MINES	-	-	16	2.806	2	0.351	18	3.157	584	1,140,437	2,485,031
TOTAL, PRODUCTION MINING	-	-	16	2.686	2	0.336	18	3.022	622	1,191,162	2,537,332
PREPARATION PLANTS	-	-	13	3.445	4	1.060	17	4.504	383	754,823	-
INDEPENDENT SHOPS OR YARDS	-	-	1	5.854	1	5.854	2	11.709	15	34,163	-
TOTAL, OTHER OPERATIONS	-	-	14	3.549	5	1.267	19	4.816	398	788,986	-
Total, ANTHRACITE COAL	-	-	30	3.030	7	0.707	37	3.737	1,020	1,980,148	2,537,332
ALL COAL											
UNDERGROUND MINES:											
UNDERGROUND	6	0.024	858	3.446	324	1.301	1,188	4.771	21,539	49,796,329	222,872,400
SURFACE AT UG	-	-	43	2.480	16	0.923	59	3.403	1,633	3,467,815	-
TOTAL, UNDERGROUND MINES	6	0.023	901	3.383	340	1.277	1,247	4.682	23,172	53,264,144	222,872,400
SURFACE MINES:											
STRIP MINES	2	0.012	124	0.766	47	0.290	173	1.068	15,251	32,392,444	369,668,871
AUGER MINES	-	-	1	0.524	3	1.572	4	2.096	266	381,674	1,877,925
CULM BANK	-	-	-	-	1	0.470	1	0.470	246	425,137	398,720
DREDGE	-	-	-	-	-	-	-	-	3	5,310	3,367
TOTAL, SURFACE MINES	2	0.012	125	0.753	51	0.307	178	1.072	15,766	33,204,565	371,948,883
TOTAL, PRODUCTION MINING	8	0.019	1,026	2.373	391	0.904	1,425	3.296	38,938	86,468,709	594,821,283
PREPARATION PLANTS	-	-	54	1.081	27	0.541	81	1.622	4,579	9,987,739	-
INDEPENDENT SHOPS/YARDS	-	-	5	2.875	2	1.150	7	4.026	159	347,774	-
TOTAL, OTHER OPERATIONS	-	-	59	1.142	29	0.561	88	1.703	4,738	10,335,513	-
Total, ALL COAL	8	0.017	1,085	2.242	420	0.868	1,513	3.126	43,676	96,804,222	594,821,283
OFFICEWORKERS											
BITUMINOUS COAL	-	-	1	0.076	1	0.076	2	0.151	1,444	2,645,208	-
ANTHRACITE COAL	-	-	2	2.353	-	-	2	2.353	92	169,992	-
TOTAL, OFFICEWORKERS	-	-	3	0.213	1	0.071	4	0.284	1,536	2,815,200	-
GRAND TOTAL	8	0.016	1,088	2.184	421	0.845	1,517	3.046	45,212	99,619,422	594,821,283

TABLE 2. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY JANUARY - DECEMBER 2022 (FINAL)

WORK LOCATION/MINERAL INDUSTRY	Fatal	Fatal IR	NFDL	NFDL IR	NDL	NDL IR	All OCCURENCES	ALL INCIDENT RATES	AVG # EMP	EMP HRS
UNDERGROUND MINES										
METAL	2	0.026	103	1.313	47	0.599	152	1.938	7,940	15,684,477
NONMETAL	-	-	56	1.984	19	0.673	75	2.657	2,659	5,644,574
STONE	1	0.036	46	1.644	19	0.679	66	2.359	2,746	5,595,157
TOTAL, UNDERGROUND MINES	3	0.022	205	1.523	85	0.631	293	2.176	13,345	26,924,208
SURFACE MINES										
METAL	-	-	233	1.497	72	0.462	305	1.959	15,379	31,135,989
NONMETAL	1	0.015	100	1.548	40	0.619	141	2.183	6,705	12,920,842
STONE	1	0.003	398	1.323	164	0.545	563	1.872	30,682	60,146,061
SAND AND GRAVEL	6	0.021	301	1.055	154	0.540	461	1.616	33,249	57,056,777
TOTAL, SURFACE MINES	8	0.010	1,032	1.280	430	0.533	1,470	1.823	86,015	161,259,669
TOTAL, MINES	11	0.012	1,237	1.315	515	0.547	1,763	1.874	99,360	188,183,877
MILLS										
METAL	-	-	197	1.482	68	0.511	265	1.993	12,930	26,590,145
NONMETAL	-	-	135	1.162	73	0.628	208	1.791	11,298	23,231,935
STONE	3	0.011	404	1.424	193	0.680	600	2.115	26,512	56,734,655
TOTAL, MILLS	3	0.006	736	1.381	334	0.627	1,073	2.014	50,740	106,556,735
INDEPENDENT SHOPS AND YARDS										
STONE	-	-	-	-	1	4.550	1	4.550	36	43,957
SAND AND GRAVEL	-	-	-	-	-	-	-	-	10	6,600
TOTAL, INDEPENDENT SHOPS AND YARDS	-	-	-	-	1	3.956	1	3.956	46	50,557
ALL MINES, MILLS AND SHOPS										
METAL	2	0.005	533	1.452	187	0.509	722	1.967	36,249	73,410,611
NONMETAL	1	0.005	291	1.392	132	0.632	424	2.029	20,662	41,797,351
STONE	5	0.008	848	1.384	377	0.615	1,230	2.008	59,976	122,519,830
SAND AND GRAVEL	6	0.021	301	1.055	154	0.540	461	1.616	33,259	57,063,377
TOTAL, ALL MINES, MILLS AND SHOPS	14	0.009	1,973	1.339	850	0.577	2,837	1.925	150,146	294,791,169
OFFICEWORKERS										
METAL	-	-	3	0.068	4	0.090	7	0.158	4,616	8,877,776
NONMETAL	-	-	3	0.083	1	0.028	4	0.111	3,891	7,193,420
STONE	-	-	5	0.051	5	0.051	10	0.103	10,470	19,442,348
SAND AND GRAVEL	-	-	3	0.083	1	0.028	4	0.111	5,878	7,190,528
TOTAL, OFFICEWORKERS	-	-	14	0.066	11	0.052	25	0.117	24,855	42,704,072
SUMMARY TOTAL (INCLUDING OFFICEWORKERS)										
METAL	2	0.005	536	1.303	191	0.464	729	1.772	40,865	82,288,387
NONMETAL	1	0.004	294	1.200	133	0.543	428	1.747	24,553	48,990,771
STONE	5	0.007	853	1.202	382	0.538	1,240	1.747	70,446	141,962,178
SAND AND GRAVEL	6	0.019	304	0.946	155	0.482	465	1.447	39,137	64,253,905
GRAND TOTAL	14	0.008	1,987	1.177	861	0.510	2,862	1.696	175,001	337,495,241

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL				Fatal	NFDL	NDL				Fatal	NFDL	NDL		
ALABAMA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	63,249
NONMETAL	-	-	-	-	-	-	-	-	60	95,095	-	-	-	2	2	127	271,513
STONE	-	-	-	10	18,281	-	-	4	1	791	1,706,668	-	-	25	9	1,593	3,690,011
SAND AND GRAVEL	-	-	-	-	-	-	-	4	-	544	1,146,009	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	10	18,281	-	-	8	1	1,395	2,947,772	-	-	27	11	1,744	4,024,773
COAL	-	58	12	1,476	4,109,263	9,120,998	-	1	2	372	902,970	1,286,584	-	1	1	177	442,486
ALASKA																	
METAL	-	24	5	1,037	2,172,681	-	-	6	5	770	1,667,800	-	-	7	2	490	1,248,862
NONMETAL	-	-	-	-	-	-	-	-	-	2	770	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	66	47,882	-	-	-	-	12	8,798
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	419	327,412	-	-	-	-	-	-
TOTAL, M/NM	-	24	5	1,037	2,172,681	-	-	7	6	1,257	2,043,864	-	-	7	2	502	1,257,660
COAL	-	-	-	-	-	-	-	-	-	79	155,090	1,014,307	-	-	-	2	4,233
ARIZONA																	
METAL	-	1	-	159	228,242	-	-	134	20	4,671	9,080,564	-	-	86	24	3,973	8,016,387
NONMETAL	-	-	-	-	-	-	-	-	1	55	89,196	-	-	5	-	83	157,223
STONE	-	-	-	-	-	-	-	5	-	558	1,117,912	-	-	2	-	260	575,134
SAND AND GRAVEL	-	-	-	-	-	-	-	21	7	1,464	2,866,962	-	-	-	-	5	1,108
TOTAL, M/NM	-	1	-	159	228,242	-	-	160	28	6,746	13,154,634	-	-	93	24	4,321	8,749,852
COAL	-	-	-	-	-	-	-	-	-	33	65,507	-	-	-	-	-	-
ARKANSAS																	
METAL	-	-	-	-	-	-	-	-	-	15	31,957	-	-	5	4	241	560,594
NONMETAL	-	-	-	-	-	-	-	-	-	123	213,828	-	-	2	-	84	125,715
STONE	-	-	-	18	36,112	-	-	2	3	844	1,770,885	-	-	15	4	508	1,070,822
SAND AND GRAVEL	-	-	-	-	-	-	2	2	3	422	867,588	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	18	36,112	-	2	4	6	1,404	2,884,258	-	-	22	8	833	1,757,131
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA																	
METAL	-	2	-	32	41,023	-	-	12	2	466	928,140	-	-	2	-	487	1,014,804
NONMETAL	-	-	-	2	1,059	-	-	14	4	568	1,065,835	-	-	7	8	829	1,685,964
STONE	-	-	-	-	-	-	-	28	4	1,004	1,948,914	-	-	22	4	1,057	2,152,185
SAND AND GRAVEL	-	-	-	-	-	-	-	32	10	2,795	5,604,626	-	-	-	-	-	-
TOTAL, M/NM	-	2	-	34	42,082	-	-	86	20	4,833	9,547,515	-	-	31	12	2,373	4,852,953
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS					
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES					
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	
COLORADO																		
METAL	-	-	2	319	434,183	-	-	7	4	400	777,859	-	-	8	2	407	797,959	-
NONMETAL	-	1	-	9	10,548	-	-	2	-	48	94,136	-	-	1	-	6	9,489	-
STONE	-	1	-	22	20,414	-	-	9	5	397	774,972	-	-	5	2	320	636,672	-
SAND AND GRAVEL	-	-	-	-	-	-	-	11	6	1,175	1,992,068	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	2	350	465,145	-	-	29	15	2,020	3,639,035	-	-	14	4	733	1,444,120	-
COAL	-	12	5	757	1,446,736	8,378,110	-	5	1	306	629,042	4,414,793	-	1	-	110	218,187	-
COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	91	142,711	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	91	142,711	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	1	301	587,378	-	-	2	2	102	206,930	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	211	265,392	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	1	512	872,770	-	-	2	2	102	206,930	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	48,425	-
NONMETAL	-	-	-	-	-	-	-	1	-	16	20,532	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	3	-	29	66,896	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	4	-	45	87,428	-	-	-	-	22	48,425	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA																		
METAL	-	-	-	-	-	-	-	-	-	45	34,559	-	-	2	-	145	305,702	-
NONMETAL	-	-	-	-	-	-	-	20	4	835	1,839,597	-	-	4	1	439	966,696	-
STONE	-	-	-	-	-	-	-	15	5	1,190	2,962,597	-	-	10	10	1,115	2,510,751	-
SAND AND GRAVEL	-	-	-	-	-	-	-	3	-	552	1,163,402	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	38	9	2,622	6,000,155	-	-	16	11	1,699	3,783,149	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL				Fatal	NFDL	NDL				Fatal	NFDL	NDL		
GEORGIA																	
METAL	-	-	-	-	-	-	-	-	-	3	6,046	-	-	-	8	5,773	
NONMETAL	-	-	-	-	-	-	-	6	-	301	490,304	-	-	12	2,098	4,318,679	
STONE	-	2	-	109	210,072	-	-	25	7	829	1,744,715	-	-	13	1,192	2,688,652	
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	270	570,782	-	-	-	-	-	
TOTAL, M/NM	-	2	-	109	210,072	-	-	32	7	1,403	2,811,847	-	-	25	3,298	7,013,104	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GUAM																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	65	41,216	-	-	-	86	88,527	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	95	124,267	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	160	165,483	-	-	-	86	88,527	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HAWAII																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	10	3	246	496,355	-	-	2	20	47,779	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	38	35,995	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	10	3	284	532,350	-	-	2	1	20	47,779
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IDAHO																	
METAL	-	9	8	587	1,107,139	-	-	-	-	3	4,025	-	-	-	3	122	234,217
NONMETAL	-	-	-	-	-	-	-	1	1	370	675,541	-	-	-	163	286,056	
STONE	-	-	-	-	-	-	-	1	2	269	311,776	-	-	1	26	50,118	
SAND AND GRAVEL	-	-	-	-	-	-	-	3	7	766	1,057,532	-	-	-	-	-	
TOTAL, M/NM	-	9	8	587	1,107,139	-	-	5	10	1,408	2,048,874	-	-	1	5	311	570,391
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ILLINOIS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	2	16	33,891	
NONMETAL	-	-	-	-	-	-	-	1	-	151	322,559	-	-	4	280	627,102	
STONE	-	6	1	209	441,132	-	-	8	6	703	1,384,540	-	-	11	790	1,649,962	
SAND AND GRAVEL	-	-	-	-	-	-	-	2	3	415	713,767	-	-	-	-	-	
TOTAL, M/NM	-	6	1	209	441,132	-	-	11	9	1,269	2,420,866	-	-	17	9	1,086	2,310,955
COAL	-	107	33	1,701	3,811,905	37,410,625	-	2	-	102	203,399	943,025	-	2	2	294	636,791

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
INDIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4,148	
NONMETAL	-	-	-	30	64,150	-	1	-	34	60,667	-	-	1	-	84	179,523	
STONE	-	-	1	224	426,293	-	-	4	7	762	1,317,522	-	-	10	15	1,058	2,329,601
SAND AND GRAVEL	-	-	-	-	-	-	-	7	2	544	1,088,280	-	-	-	-	-	-
TOTAL, M/NM	-	-	1	254	490,443	-	-	12	9	1,340	2,466,469	-	-	11	15	1,145	2,513,272
COAL	1	63	15	1,205	3,007,115	13,366,193	-	2	2	846	1,880,148	10,685,038	-	3	2	206	490,009
IOWA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	5	3	125	275,839	-	-	1	-	78	119,701	-	-	4	2	82	161,298
STONE	-	5	3	239	548,291	-	-	13	6	841	1,509,152	-	-	5	3	393	842,143
SAND AND GRAVEL	-	-	-	-	-	-	-	8	4	483	686,637	-	-	-	-	5	5,492
TOTAL, M/NM	-	10	6	364	824,130	-	-	22	10	1,402	2,315,490	-	-	9	5	480	1,008,933
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	6	1	120	226,298	-	-	-	-	39	69,244	-	-	-	-	61	107,974
STONE	-	-	-	8	15,224	-	-	4	3	615	1,083,935	-	-	8	5	300	589,770
SAND AND GRAVEL	-	-	-	-	-	-	-	3	-	313	481,297	-	-	-	-	-	-
TOTAL, M/NM	-	6	1	128	241,522	-	-	7	3	967	1,634,476	-	-	8	5	361	697,744
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	22	36,120	-	-	-	-	56	129,063
STONE	-	11	4	450	912,638	-	-	12	4	677	1,371,427	-	-	9	2	1,058	2,215,989
SAND AND GRAVEL	-	-	-	-	-	-	-	2	1	189	363,437	-	-	-	-	-	-
TOTAL, M/NM	-	11	4	450	912,638	-	-	14	5	888	1,770,984	-	-	9	2	1,114	2,345,052
COAL	1	161	64	3,172	7,526,118	22,411,375	1	15	4	1,078	2,326,696	6,283,763	-	10	4	645	1,515,247
LOUISIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	18	5	471	1,016,368
NONMETAL	-	4	1	307	666,442	-	-	-	-	85	260,773	-	-	2	1	195	352,620
STONE	-	-	-	-	-	-	-	-	-	1	520	-	-	-	-	2	524
SAND AND GRAVEL	-	-	-	-	-	-	-	6	2	827	1,476,433	-	-	-	-	-	-
TOTAL, M/NM	-	4	1	307	666,442	-	-	6	2	913	1,737,726	-	-	20	6	668	1,369,512
COAL	-	-	-	-	-	-	-	-	-	67	130,329	307,107	-	-	-	-	-

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
MAINE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	8	3,503	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	1	148	244,335	-	-	1	2	62	129,616
SAND AND GRAVEL	-	-	-	-	-	-	-	-	2	573	704,754	-	-	-	-	-	
TOTAL, M/NM	-	-	-	8	3,503	-	-	-	2	721	949,089	-	-	1	2	62	129,616
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MARYLAND																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	5	8,186	-	-	-	9	12,412	
STONE	-	-	-	15	17,842	-	-	2	3	225	479,318	-	-	4	1	432	1,007,803
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	206	428,273	-	-	-	-	-	
TOTAL, M/NM	-	-	-	15	17,842	-	-	4	3	436	915,777	-	-	4	1	441	1,020,215
COAL	-	3	4	82	184,963	298,432	-	2	-	123	295,284	994,110	-	-	-	47	96,269
MASSACHUSETTS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	15	28,658	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	7	3	373	702,438	-	-	4	1	223	464,224
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	395	489,080	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	9	3	783	1,220,176	-	-	4	1	223	464,224
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MICHIGAN																	
METAL	-	1	1	23	43,271	-	-	3	1	467	951,487	-	-	1	4	534	1,094,705
NONMETAL	-	-	-	58	147,999	-	-	1	1	75	162,703	-	-	-	-	15	29,381
STONE	-	-	-	-	-	-	-	2	2	287	591,231	-	-	14	4	629	1,409,247
SAND AND GRAVEL	-	-	-	-	-	-	-	6	10	1,308	2,013,155	-	-	-	-	-	
TOTAL, M/NM	-	1	1	81	191,270	-	-	12	14	2,137	3,718,576	-	-	15	8	1,178	2,533,333
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MINNESOTA																	
METAL	-	-	-	-	-	-	-	22	11	1,930	3,916,689	-	-	15	6	1,516	3,086,933
NONMETAL	-	-	-	-	-	-	-	-	-	20	18,372	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	6	-	274	484,607	-	-	3	-	54	114,149
SAND AND GRAVEL	-	-	-	-	-	-	-	11	8	1,702	1,628,305	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	39	19	3,926	6,047,973	-	-	18	6	1,570	3,201,082
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
MISSISSIPPI																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	39	73,557	-	-	6	1	316	738,513
STONE	-	-	-	-	-	-	-	-	-	10	19,449	-	-	-	-	4	8,831
SAND AND GRAVEL	-	-	-	-	-	-	-	6	2	427	751,620	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	6	3	476	844,626	-	-	6	1	320	747,144
COAL	-	-	-	-	-	-	-	2	-	231	482,963	3,368,572	-	-	-	-	-
MISSOURI																	
METAL	1	14	5	590	1,283,966	-	-	-	-	-	-	-	-	4	1	132	289,487
NONMETAL	-	-	-	23	54,619	-	-	-	-	73	132,656	-	-	7	1	538	1,167,814
STONE	-	7	4	419	831,689	-	-	13	13	1,329	2,585,153	-	-	39	28	2,099	4,301,338
SAND AND GRAVEL	-	-	-	-	-	-	-	5	2	252	366,196	-	-	-	-	-	-
TOTAL, M/NM	1	21	9	1,032	2,170,254	-	-	18	15	1,654	3,084,005	-	-	50	30	2,769	5,758,639
COAL	-	-	-	-	-	-	-	-	-	7	13,278	73,530	-	-	-	-	-
MONTANA																	
METAL	-	17	8	1,512	2,753,615	-	-	2	1	199	403,685	-	-	5	2	352	647,381
NONMETAL	-	-	-	9	11,390	-	-	1	-	73	107,387	-	-	10	1	149	288,886
STONE	-	-	-	-	-	-	-	5	2	161	223,478	-	-	5	2	156	313,192
SAND AND GRAVEL	-	-	-	-	-	-	-	2	2	525	592,370	-	-	-	-	-	-
TOTAL, M/NM	-	17	8	1,521	2,765,005	-	-	10	5	958	1,326,920	-	-	20	5	657	1,249,459
COAL	-	7	2	170	352,939	7,431,273	-	11	4	667	1,278,130	20,802,081	-	-	-	87	175,052
NEBRASKA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	17	16,343	-	-	-	-	-	-
STONE	-	3	1	223	553,207	-	-	-	1	56	90,848	-	-	3	5	120	278,556
SAND AND GRAVEL	-	-	-	-	-	-	-	3	2	429	700,328	-	-	-	-	-	-
TOTAL, M/NM	-	3	1	223	553,207	-	-	3	3	502	807,519	-	-	3	5	120	278,556
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA																	
METAL	1	15	7	2,871	5,959,669	-	-	33	25	4,249	8,828,238	-	-	24	9	2,572	5,311,520
NONMETAL	-	-	-	-	-	-	-	4	3	299	548,034	-	-	6	2	522	972,109
STONE	-	-	-	-	-	-	-	1	-	175	331,528	-	-	1	-	213	448,589
SAND AND GRAVEL	-	-	-	-	-	-	2	4	-	700	1,334,390	-	-	-	-	-	-
TOTAL, M/NM	1	15	7	2,871	5,959,669	-	2	42	28	5,423	11,042,190	-	-	31	11	3,307	6,732,218
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL				Fatal	NFDL	NDL				Fatal	NFDL	NDL		
NEW HAMPSHIRE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	2	2,240	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	3	1	157	292,318	-	-	5	3	28	43,393
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	400	519,854	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	4	1	559	814,412	-	-	5	3	28	43,393
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	26	59,898	-	-	4	-	109	212,153
STONE	-	-	-	-	-	-	-	13	5	388	920,938	-	-	5	2	127	285,989
SAND AND GRAVEL	-	-	-	-	-	-	-	3	2	360	723,929	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	16	8	772	1,704,765	-	-	9	2	236	498,142
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO																	
METAL	-	-	-	-	-	-	-	7	1	406	774,453	-	-	10	-	337	595,254
NONMETAL	-	3	3	279	589,187	-	-	4	2	201	393,655	-	-	8	5	306	588,679
STONE	-	-	-	-	-	-	-	3	-	279	492,736	-	-	-	-	78	148,332
SAND AND GRAVEL	-	-	-	-	-	-	-	4	1	399	654,927	-	-	-	-	-	-
TOTAL, M/NM	-	3	3	279	589,187	-	-	18	4	1,285	2,315,771	-	-	18	5	721	1,330,265
COAL	-	4	2	171	326,767	1,596,850	1	6	4	581	1,149,906	8,952,975	-	-	-	17	38,247
NEW YORK																	
METAL	-	2	1	108	217,989	-	-	-	-	14	30,616	-	-	3	-	76	178,212
NONMETAL	-	15	3	449	1,073,610	-	-	1	-	56	72,736	-	-	5	4	182	351,498
STONE	-	-	-	19	42,421	-	1	14	9	945	1,625,381	-	-	11	6	636	1,305,973
SAND AND GRAVEL	-	-	-	-	-	-	-	8	2	1,166	1,668,883	-	-	-	-	-	-
TOTAL, M/NM	-	17	4	576	1,334,020	-	1	23	11	2,181	3,397,616	-	-	19	10	894	1,835,683
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA																	
METAL	-	-	-	-	-	-	-	-	-	1	2,095	-	-	-	-	3	6,491
NONMETAL	-	-	-	-	-	-	-	9	3	384	769,883	-	-	2	8	391	824,895
STONE	-	-	-	-	-	-	-	7	5	929	1,889,433	-	-	14	5	814	1,860,442
SAND AND GRAVEL	-	-	-	-	-	-	-	3	1	296	616,709	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	19	9	1,610	3,278,120	-	-	16	13	1,208	2,691,828
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL										Fatal	NFDL	NDL		
NORTH DAKOTA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	30	22,544	-	-	1	-	26	45,974
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	3	440	523,049	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	3	470	545,593	-	-	1	-	26	45,974
COAL	-	-	-	-	-	-	-	3	1	1,176	2,256,832	26,730,626	-	-	-	4	3,109
OHIO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	4	2	302	649,712	-	-	2	-	158	309,745	-	-	1	-	92	186,202
STONE	-	-	-	100	229,378	-	-	9	-	795	1,388,443	-	-	9	9	961	1,914,042
SAND AND GRAVEL	-	-	-	-	-	-	-	6	3	914	1,600,706	-	-	-	-	-	-
TOTAL, M/NM	-	4	2	402	879,090	-	-	17	3	1,867	3,298,894	-	-	10	9	1,053	2,100,244
COAL	-	3	-	189	349,996	1,297,810	-	3	-	156	369,505	1,194,504	-	2	-	83	121,603
OKLAHOMA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	2	3	216	456,214	-	-	-	-	42	89,569
STONE	-	-	-	9	19,919	-	-	14	6	1,471	3,057,674	-	1	11	2	564	1,206,833
SAND AND GRAVEL	-	-	-	-	-	-	-	6	4	445	957,109	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	9	19,919	-	-	22	13	2,132	4,470,997	-	1	11	2	606	1,296,402
COAL	-	-	-	-	-	-	-	-	-	1	1,068	1,743	-	-	-	-	-
OREGON																	
METAL	-	-	-	9	8,788	-	-	-	-	34	27,178	-	-	-	-	1	348
NONMETAL	-	-	-	-	-	-	-	-	-	91	102,407	-	-	1	-	154	336,703
STONE	-	-	-	-	-	-	-	10	2	820	1,383,013	-	-	1	1	92	180,792
SAND AND GRAVEL	-	-	-	-	-	-	-	7	4	494	742,346	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	9	8,788	-	-	17	6	1,439	2,254,944	-	-	2	1	247	517,843
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	125	233,370
NONMETAL	-	-	-	-	-	-	-	-	-	48	82,244	-	-	6	2	133	242,400
STONE	1	10	1	356	702,797	-	-	54	15	2,363	4,022,454	-	-	20	5	1,933	3,588,771
SAND AND GRAVEL	-	-	-	-	-	-	-	4	2	373	644,204	-	-	-	-	-	-
TOTAL, M/NM	1	10	1	356	702,797	-	-	58	17	2,784	4,748,902	-	-	27	9	2,191	4,084,541
BITUMINOUS COAL	2	101	43	2,771	6,069,951	35,135,372	-	3	2	494	1,016,569	2,425,732	-	5	-	395	859,823
ARTHRAICITE COAL	-	-	-	38	50,725	52,301	-	16	2	576	1,124,197	2,433,804	-	13	5	386	768,042
COAL	2	101	43	2,809	6,120,676	35,187,673	-	19	4	1,060	2,140,766	4,859,336	-	18	5	781	1,627,865

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
PUERTO RICO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	11	19,059	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	5	2	307	574,428	-	-	7	1	315	606,253
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	99	147,975	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	6	2	417	741,462	-	-	7	1	315	606,253
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RHODE ISLAND																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	59	126,122	-	-	-	-	8	15,467
SAND AND GRAVEL	-	-	-	-	-	-	1	1	1	191	338,712	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	1	1	250	464,834	-	-	-	-	8	15,467
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA																	
METAL	-	-	-	-	-	-	-	3	2	407	924,388	-	-	1	-	110	221,606
NONMETAL	-	-	-	-	-	-	-	-	1	59	112,107	-	-	2	1	145	313,225
STONE	-	-	-	-	-	-	-	3	5	382	816,595	-	1	13	3	568	1,260,980
SAND AND GRAVEL	-	-	-	-	-	-	-	3	-	248	540,228	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	9	8	1,076	2,393,318	-	1	16	4	823	1,795,811
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA																	
METAL	-	-	-	-	-	-	-	-	-	157	291,329	-	-	-	1	44	90,798
NONMETAL	-	-	-	-	-	-	-	-	-	13	13,839	-	-	-	-	22	38,082
STONE	-	-	-	-	-	-	-	3	3	206	399,082	-	-	10	1	177	450,443
SAND AND GRAVEL	-	-	-	-	-	-	-	6	2	382	509,503	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	9	5	758	1,213,753	-	-	10	2	243	579,323
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE																	
METAL	-	17	6	566	1,215,088	-	-	-	-	-	-	-	-	2	1	92	174,442
NONMETAL	-	-	-	-	-	-	-	-	-	54	103,134	-	-	1	3	166	348,904
STONE	-	-	2	142	238,029	-	-	15	5	1,153	2,047,932	-	1	4	6	1,070	2,241,770
SAND AND GRAVEL	-	-	-	-	-	-	-	3	1	269	516,827	-	-	-	-	-	-
TOTAL, M/NM	-	17	8	708	1,453,097	-	-	18	6	1,476	2,667,893	-	1	7	10	1,328	2,765,116
COAL	-	-	-	-	-	-	-	-	-	4	7,690	482	-	-	-	6	8,953

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS					
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS	
	Fatal	NFDL	NDL				Fatal	NFDL	NDL				Fatal	NFDL	NDL			
TEXAS																		
METAL	-	-	-	-	-	-	-	-	-	2	4,735	-	-	-	12	28,969		
NONMETAL	-	5	-	43	98,789	-	-	17	7	941	1,979,635	-	-	9	3	1,020	2,161,057	
STONE	-	-	1	18	38,067	-	-	35	9	4,105	9,389,851	-	-	35	11	2,484	5,961,951	
SAND AND GRAVEL	-	-	-	-	-	-	1	43	24	4,304	9,773,350	-	-	-	-	-	-	
TOTAL, M/NM	-	5	1	61	136,856	-	1	95	40	9,352	21,147,571	-	-	44	14	3,516	8,151,977	
COAL	-	-	-	-	-	-	-	5	1	996	2,120,807	17,083,534	-	-	-	-	-	
UTAH																		
METAL	-	-	3	103	181,895	-	-	4	-	1,138	2,448,416	-	-	1	2	582	1,200,949	
NONMETAL	-	2	1	107	175,114	-	-	-	1	165	290,516	-	-	3	2	247	497,698	
STONE	-	-	-	-	-	-	-	-	1	227	410,416	-	-	1	5	204	387,042	
SAND AND GRAVEL	-	-	-	-	-	-	-	8	13	1,401	2,242,187	-	-	-	-	-	-	
TOTAL, M/NM	-	2	4	210	356,809	-	-	12	15	2,931	5,391,535	-	-	5	9	1,033	2,085,689	
COAL	-	32	20	1,258	2,476,361	10,369,007	-	1	2	28	83,877	354,265	-	-	1	1	94	193,539
VERMONT																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	23	21,555	-	-	1	-	23	39,668	
STONE	-	1	-	32	70,582	-	-	4	-	358	570,396	-	-	5	1	248	489,367	
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	200	202,400	-	-	-	-	-	-	
TOTAL, M/NM	-	1	-	32	70,582	-	-	6	-	581	794,351	-	-	6	1	271	529,035	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIRGIN ISLANDS OF THE U S																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	28	56,498	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	28	56,498	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIRGINIA																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	1	1	44	61,779	-	-	1	5	196	372,226	
STONE	-	-	-	13	18,873	-	-	9	2	733	1,494,967	-	-	15	7	1,155	2,462,918	
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	258	480,767	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	13	18,873	-	-	11	4	1,035	2,037,513	-	-	16	12	1,351	2,835,144	
COAL	-	25	18	1,249	2,900,057	7,611,320	-	2	-	713	1,616,556	3,237,191	-	-	3	3	361	824,232

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL				Fatal	NFDL	NDL				Fatal	NFDL	NDL		
WASHINGTON																	
METAL	-	1	1	24	37,148	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	37	71,113	-	-	-	1	57	124,285
STONE	-	-	-	-	-	-	-	6	-	381	628,170	-	-	6	7	228	423,848
SAND AND GRAVEL	-	-	-	-	-	-	-	14	4	958	1,586,570	-	-	-	-	-	-
TOTAL, M/NM	-	1	1	24	37,148	-	-	21	4	1,374	2,285,853	-	-	6	8	285	548,133
COAL	-	-	-	-	-	-	-	-	-	21	38,310	-	-	-	-	-	-
WEST VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	79,301
NONMETAL	-	-	-	-	-	-	-	-	-	12	22,736	-	-	-	-	87	180,249
STONE	-	-	1	111	203,916	-	-	2	-	230	405,076	-	-	6	2	349	709,464
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	22	32,279	-	-	-	-	-	-
TOTAL, M/NM	-	-	1	111	203,916	-	-	2	-	264	460,091	-	-	6	2	469	969,014
COAL	2	325	122	8,931	20,648,626	68,392,738	-	26	14	2,538	5,808,449	15,108,958	-	18	11	1,733	3,808,250
WISCONSIN																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	1	2	4	478	894,021	-	-	2	-	205	421,158
STONE	-	-	-	-	-	-	-	13	10	1,071	1,955,422	-	-	12	3	488	1,072,557
SAND AND GRAVEL	-	-	-	-	-	-	-	19	7	1,065	1,506,805	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	34	21	2,614	4,356,048	-	-	14	3	691	1,493,715
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING																	
METAL	-	-	-	-	-	-	-	-	-	2	1,730	-	-	-	-	-	-
NONMETAL	-	11	5	788	1,596,315	-	-	7	2	253	509,988	-	-	15	10	1,559	3,271,280
STONE	-	-	-	-	-	-	-	-	2	122	267,965	-	-	-	1	141	332,272
SAND AND GRAVEL	-	-	-	-	-	-	-	5	4	408	457,694	-	-	-	-	-	-
TOTAL, M/NM	-	11	5	788	1,596,315	-	-	12	8	785	1,237,377	-	-	15	11	1,700	3,603,552
COAL	-	-	-	4	2,622	-	-	20	12	4,581	9,247,983	244,252,359	-	-	-	91	131,441
NATION																	
METAL	2	103	47	7,940	15,684,477	-	-	233	72	15,379	31,135,989	-	-	197	68	12,930	26,590,145
NONMETAL	-	56	19	2,859	5,644,574	-	1	100	40	6,705	12,920,842	-	-	135	73	11,298	23,231,935
STONE	1	46	19	2,746	5,595,157	-	1	398	164	30,682	60,146,061	-	3	404	194	26,548	56,778,612
SAND AND GRAVEL	-	-	-	-	-	-	6	301	154	33,249	57,056,777	-	-	-	-	10	6,800
TOTAL, M/NM	3	205	85	13,345	26,924,208	-	8	1,032	430	86,015	161,259,669	-	3	736	335	50,786	106,607,292
COAL	6	901	340	23,172	53,264,144	222,872,400	2	125	51	15,768	33,204,565	371,948,883	-	59	29	4,738	10,335,513

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

Accident Classification	COAL									METAL								
	UNDERGROUND			SURFACE			PREPARATION PLANTS			UNDERGROUND			SURFACE			PREPARATION PLANTS		
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL
Electrical	1	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	7	1	-	1	-	-	-	-	-	-	-	-	1	-	-	-	1
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	3	3	1	1	-	-	-	-	-	-	-	-	-	-	-	2	-
Fall of face, rib, pillar, side or highwall	1	15	5	-	-	-	-	-	-	-	-	-	4	1	-	-	-	-
Fall of roof or back	1	73	36	-	-	-	-	-	-	-	-	-	4	1	-	-	-	-
Fire	-	1	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-
Handling material	-	316	105	-	37	16	-	15	12	-	34	14	-	61	28	-	79	25
Handtools	-	60	64	-	2	13	-	2	8	-	5	7	-	12	9	-	12	14
Nonpowered haulage	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	4	3
<u>Powered haulage</u>	1	95	23	-	17	5	-	6	2	2	12	4	-	45	6	-	4	3
HAULAGE TRUCKS	-	3	1	-	12	4	-	2	1	1	3	3	-	34	3	-	1	1
FRONT-END LOADERS	-	35	8	-	2	-	-	3	1	-	6	-	-	8	3	-	1	1
ALL OTHER Powered haulage	1	57	14	-	3	1	-	1	-	1	3	1	-	3	-	-	2	1
Hoisting	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignition or explosion of gas or dust	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Machinery</u>	1	130	64	1	10	8	-	4	5	-	10	12	-	33	7	-	15	7
DOZER	-	2	-	-	-	2	-	-	-	-	1	-	-	6	-	-	-	-
DRILL	-	5	-	-	3	1	-	-	-	-	6	3	-	2	-	-	1	-
ALL OTHER Machinery	1	123	64	1	7	5	-	4	5	-	3	9	-	25	7	-	14	7
Slip or fall of person	-	147	24	-	49	9	-	28	2	-	23	5	-	66	18	-	58	10
Stepping or kneeling on object	-	16	1	-	4	-	-	-	-	-	3	1	-	6	-	-	2	1
Striking or bumping	-	6	6	-	-	-	-	1	-	-	1	1	-	1	-	-	4	-
Other	1	24	5	-	3	-	-	2	-	-	5	1	-	8	3	-	17	4
Total	6	901	340	2	125	51	-	59	29	2	103	47	-	233	72	-	197	68

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

Accident Classification	NONMETAL									STONE									SAND / GRAVEL				
	UNDERGROUND			SURFACE			MILLS			UNDERGROUND			SURFACE			MILLS			SURFACE				
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL		
Electrical	-	1	1	-	-	-	-	-	1	-	-	-	-	3	-	-	-	4	1	-	-	2	3
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	2	-	-	2	2
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	2	1	-	-	-	1
Fall of face, rib, pillar, side or highwall	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Fall of roof or back	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	2	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-
Handling material	-	15	5	-	25	11	-	49	37	-	13	5	-	118	60	-	138	80	-	-	93	48	
Handtools	-	4	6	-	6	11	-	14	8	-	1	2	-	53	32	-	54	51	-	-	36	37	
Nonpowered haulage	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-	1	1	
Powered haulage	-	10	2	-	20	5	-	7	3	-	7	2	-	54	10	-	14	9	-	-	1	32	11
HAULAGE TRUCKS	-	1	-	-	9	-	-	2	2	-	3	1	-	25	5	-	5	2	-	-	1	10	5
FRONT-END LOADERS	-	2	1	-	10	5	-	2	1	-	1	-	-	27	4	-	4	5	-	-	-	18	8
ALL OTHER Powered haulage	-	7	1	-	1	-	-	3	-	-	3	1	-	2	1	-	5	2	-	-	4	-	
Hoisting	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Machinery	-	7	4	-	13	3	-	19	7	-	2	1	1	44	24	1	51	31	-	-	2	20	26
DOZER	-	-	-	-	3	-	-	1	1	-	-	-	-	-	1	-	1	-	-	-	2	1	1
DRILL	-	2	1	-	-	-	-	1	2	-	-	-	-	3	4	-	3	2	-	-	-	1	1
ALL OTHER Machinery	-	5	3	-	10	3	-	17	4	-	2	1	1	41	19	1	47	29	-	-	-	18	24
Slip or fall of person	-	14	-	-	25	3	-	37	12	-	16	6	-	97	21	1	107	12	-	-	97	18	
Stepping or kneeling on object	-	1	1	-	4	-	-	1	1	-	2	1	-	10	2	-	4	2	-	-	5	1	
Striking or bumping	-	1	-	-	3	-	-	3	1	-	-	-	-	4	4	-	2	-	-	-	3	-	
Other	-	3	-	1	3	6	-	2	2	-	1	-	-	9	9	1	21	5	-	-	3	9	6
Total	-	56	19	1	100	40	-	135	73	1	46	19	1	398	164	3	404	194	6	301	154		

TABLE 5. NUMBER OF CONTRACTOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS, AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION JANUARY - DECEMBER 2022 (FINAL)

TYPE OF COAL/WORK LOCATION	Fatal	Fatal IR	NFDL	NFDL IR	NDL	NDL IR	All OCCURENCES	ALL INCIDENT RATES	AVG # EMP	EMP HRS	PRODUCTION
BITUMINOUS COAL											
UNDERGROUND MINES:											
UNDERGROUND	1	-	60	-	19	-	80	-	-	-	-
SURFACE AT UG	-	-	20	-	14	-	34	-	-	-	-
TOTAL, UNDERGROUND MINES	1	-	80	-	33	-	114	-	-	-	-
SURFACE MINES:											
STRIP MINES	-	-	26	-	18	-	44	-	-	-	-
AUGER MINES	-	-	-	-	-	-	-	-	-	-	-
OTHER SURFACE MINES	-	-	2	-	-	-	2	-	-	-	-
CULM BANK	-	-	-	-	-	-	-	-	-	-	-
DREDGE	-	-	-	-	-	-	-	-	-	-	-
TOTAL, SURFACE MINES	-	-	28	-	18	-	46	-	-	-	-
TOTAL, PRODUCTION MINING	1	-	108	-	51	-	160	-	-	-	-
PREPARATION PLANTS	2	-	30	-	10	-	42	-	-	-	-
INDEPENDENT SHOPS OR YARDS	-	-	1	-	-	-	1	-	-	-	-
TOTAL, OTHER OPERATIONS	2	-	31	-	10	-	43	-	-	-	-
Total, BITUMINOUS COAL	3	-	139	-	61	-	203	-	-	-	-
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	0.043	60	2.566	19	0.813	80	3.422	4,380	4,676,100	186,969
SURFACE AT UG	-	-	20	0.994	14	0.696	34	1.690	4,156	4,024,007	-
TOTAL, UNDERGROUND MINES	1	0.023	80	1.839	33	0.759	114	2.621	8,536	8,700,107	186,969
SURFACE MINES:											
STRIP MINES	-	-	27	0.644	20	0.477	47	1.120	7,784	8,390,325	253,738
AUGER MINES	-	-	-	-	-	-	-	-	59	48,267	-
CULM BANK	-	-	2	0.995	-	-	2	0.995	300	402,190	-
DREDGE	-	-	-	-	-	-	-	-	29	10,440	-
TOTAL, SURFACE MINES	-	-	29	0.655	20	0.452	49	1.107	8,172	8,851,222	253,738
TOTAL, PRODUCTION MINING	1	0.011	109	1.242	53	0.604	163	1.857	16,708	17,551,329	440,707
PREPARATION PLANTS	2	0.095	30	1.419	10	0.473	42	1.987	3,793	4,228,221	-
INDEPENDENT SHOPS/YARDS	-	-	1	1.702	-	-	1	1.702	63	117,510	-
TOTAL, OTHER OPERATIONS	2	0.092	31	1.427	10	0.460	43	1.979	3,856	4,345,731	-
Total, ALL COAL	3	0.027	140	1.279	63	0.575	206	1.882	20,564	21,897,060	440,707
OFFICEWORKERS											
BITUMINOUS COAL	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE COAL	-	-	-	-	-	-	-	-	-	-	-
TOTAL, OFFICEWORKERS	-	-	-	-	-	-	-	-	640	908,693	-
GRAND TOTAL	3	0.026	140	1.228	63	0.552	206	1.807	21,204	22,805,753	440,707

TABLE 6. NUMBER OF CONTRACTOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY
JANUARY - DECEMBER 2022 (FINAL)

WORK LOCATION/MINERAL INDUSTRY	Fatal	Fatal IR	NFDL	NFDL IR	NDL	NDL IR	All OCCURENCES	ALL INCIDENT RATES	AVG # EMP	EMP HRS
UNDERGROUND MINES	-	-	-	-	-	-	-	-	-	-
METAL	-	-	32	0.767	26	0.623	58	1.390	-	-
NONMETAL	-	-	2	-	2	-	4	-	-	-
STONE	1	-	4	-	3	-	8	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, UNDERGROUND MINES	1	-	38	0.911	31	0.743	70	1.678	8,000	8,345,074
SURFACE MINES	-	-	-	-	-	-	-	-	-	-
METAL	1	-	62	0.260	26	0.109	89	0.374	-	-
NONMETAL	-	-	16	-	11	-	27	-	-	-
STONE	1	-	74	-	24	-	99	-	-	-
SAND AND GRAVEL	-	-	19	-	16	-	35	-	-	-
TOTAL, SURFACE MINES	2	-	171	0.718	77	0.323	250	1.050	45,306	47,629,102
TOTAL, MINES	3	0.011	209	0.747	108	0.386	320	1.143	53,306	55,974,176
MILLS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	31	0.263	32	0.272	63	0.535	-	-
NONMETAL	1	-	12	-	3	-	16	-	-	-
STONE	1	-	40	-	21	-	62	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, MILLS	2	-	83	0.705	56	0.476	141	1.198	17,578	23,538,715
INDEPENDENT SHOPS AND YARDS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, INDEPENDENT SHOPS AND YARDS	-	-	-	-	-	-	-	-	1	8
ALL MINES, MILLS AND SHOPS	-	-	-	-	-	-	-	-	-	-
METAL	1	-	125	0.314	84	0.211	210	0.528	-	-
NONMETAL	1	-	30	-	16	-	47	-	-	-
STONE	3	-	118	-	48	-	169	-	-	-
SAND AND GRAVEL	-	-	19	-	16	-	35	-	-	-
TOTAL, ALL MINES, MILLS AND SHOPS	5	0.013	292	0.734	164	0.413	461	1.160	70,885	79,512,899
OFFICEWORKERS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	1	0.070	1	0.070	2	0.139	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, OFFICEWORKERS	-	-	1	0.070	1	0.070	2	0.139	2,374	2,871,618
SUMMARY TOTAL (INCLUDING OFFICEWORKERS)	-	-	-	-	-	-	-	-	-	-
METAL	1	-	126	0.306	85	0.206	212	0.515	-	-
NONMETAL	1	-	30	-	16	-	47	-	-	-
STONE	3	-	118	-	48	-	169	-	-	-
SAND AND GRAVEL	-	-	19	-	16	-	35	-	-	-
GRAND TOTAL	5	0.012	293	0.711	165	0.401	463	1.124	73,259	82,384,517

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL				Fatal	NFDL	NDL				Fatal	NFDL	NDL		
ALABAMA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	5	3	-	-	-	-	4	6	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	5	3	-	-	-	-	4	6	-	-
COAL	-	4	2	-	-	-	-	1	2	-	-	-	-	2	-	-	-
ALASKA																	
METAL	-	8	6	-	-	-	-	1	1	-	-	-	-	-	5	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	8	6	-	-	-	-	1	1	-	-	-	-	-	5	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA																	
METAL	-	2	2	-	-	-	1	21	10	-	-	-	-	12	11	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	3	-	-	-	-	-	3	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	2	-	-	-	1	24	10	-	-	-	-	15	11	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	1	-	1	-	-	-	-	1	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	1	1	-	-	-	-	1	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA																	
METAL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	-	-	-	-	-	4	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	6	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 - DECEMBER 2022 (FINAL)

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

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL				Fatal	NFDL	NDL				Fatal	NFDL	NDL		
GEORGIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	4	2	-	-	-	-	1	1	-	-
STONE	-	-	-	-	-	-	-	3	1	-	-	-	1	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	7	3	-	-	-	1	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	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-
COAL	-	3	5	-	-	-	-	1	-	-	-	-	-	3	3	-	-

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL				Fatal	NFDL	NDL				Fatal	NFDL	NDL		
INDIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	2	-	-	-	-	-	4	-	-	-	-	7	1	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
TOTAL, M/NM	-	2	-	-	-	-	-	4	1	-	-	-	7	1	-	-	
COAL																	
	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IOWA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-	
COAL																	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KANSAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	
COAL																	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KENTUCKY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	2	-	-	-	-	4	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	2	-	-	-	-	4	-	-	-	-	-	-	-	-	
COAL																	
	-	2	3	-	-	-	-	2	1	-	-	-	3	-	-	-	
LOUISIANA																	
METAL	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	
NONMETAL	-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	1	1	-	-	-	-	2	-	-	-	-	2	1	-	-	
COAL																	
	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL				Fatal	NFDL	NDL				Fatal	NFDL	NDL		
MAINE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
MASSACHUSETTS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	1	-	-	-	-	1	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN																	
METAL	-	2	1	-	-	-	-	4	-	-	-	-	-	5	2	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	1	-	-	-	-	5	-	-	-	-	-	5	2	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA																	
METAL	-	-	-	-	-	-	-	-	1	-	-	-	-	3	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	1	-	-	-	-	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 - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL				Fatal	NFDL	NDL				Fatal	NFDL	NDL		
MISSISSIPPI																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1	-	-
STONE	-	-	-	-	-	-	-	5	2	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	8	2	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA																	
METAL	-	6	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	6	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
NEBRASKA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA																	
METAL	-	6	9	-	-	-	-	23	5	-	-	-	-	5	6	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	6	9	-	-	-	-	26	7	-	-	-	-	5	6	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - DECEMBER 2022 (FINAL)

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

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL										Fatal	NFDL	NDL		
NORTH DAKOTA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OHIO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	7	-	-	-	-	-	2	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	7	2	-	-	-	-	2	1	-	-
COAL	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OKLAHOMA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	1	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	4	-	-	-	-	1	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	2	-	-	-	-	-	8	3	-	-	-	-	2	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	-	-	-	-	-	9	3	-	-	-	-	2	1	-	-
BITUMINOUS COAL	-	15	8	-	-	-	-	3	-	-	-	-	-	3	1	-	-
ARTHRACTIC COAL	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
COAL	-	15	8	-	-	-	-	4	2	-	-	-	-	3	1	-	-

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
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	1	-	-	-	-	-	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
STONE	-	-	-	-	-	-	-	1	1	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	2	-	-	-	-	1	2	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	1	-	-	-	-	2	1	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL										Fatal	NFDL	NDL		
TEXAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	-	-	-	1	2	-	-	-
STONE	-	-	-	-	-	-	-	6	2	-	-	-	-	5	2	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	3	2	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	9	5	-	-	-	1	7	2	-	-
COAL	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
UTAH																	
METAL	-	4	-	-	-	-	-	-	3	-	-	-	-	1	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	4	-	-	-	-	-	2	5	-	-	-	-	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	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	1	-	-	-	-	-	-	1	-	-	-	-	-	1	1	-	-
COAL	-	3	3	-	-	-	-	5	-	-	-	-	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 - DECEMBER 2022 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			AVG # EMP	EMP HRS
	Fatal	NFDL	NDL										Fatal	NFDL	NDL		
WASHINGTON																	
METAL	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-
COAL	1	47	10	-	-	-	-	8	1	-	-	-	1	15	3	-	-
WISCONSIN																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	-	-	-	-	1	1	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	6	8	-	-	-	-	2	-	-	-
NATION																	
METAL	-	32	26	-	-	-	1	62	26	-	-	-	-	31	32	-	-
NONMETAL	-	2	2	-	-	-	-	16	11	-	-	-	1	12	3	-	-
STONE	1	4	3	-	-	-	1	74	24	-	-	-	1	40	21	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	19	16	-	-	-	-	-	-	-	-
TOTAL, M/NM	1	38	31	8,000	8,345,074	-	2	171	77	45,306	47,629,102	-	2	83	56	17,579	23,538,723
COAL	1	80	33	8,536	8,700,107	186,969	-	29	20	8,172	8,851,222	253,738	2	31	10	3,856	4,345,731

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

JANUARY - DECEMBER 2022 (FINAL)

Accident Classification	COAL									METAL								
	UNDERGROUND			SURFACE			PREPARATION PLANTS			UNDERGROUND			SURFACE			PREPARATION PLANTS		
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL
Electrical	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	-	1	-	1	1	-	-	-	-	-	1	2	-	-	-	-	-
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fall of face, rib, pillar, side or highwall	-	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Fall of roof or back	-	1	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Handling material	-	33	8	-	5	4	-	12	4	-	7	11	-	17	9	-	12	12
Handtools	-	7	9	-	3	1	-	2	4	-	2	3	-	7	7	-	2	8
Nonpowered haulage	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Powered haulage</u>	-	9	4	-	4	1	-	4	-	-	1	1	1	4	1	-	1	1
HAULAGE TRUCKS	-	4	2	-	3	-	-	3	-	-	-	-	1	3	1	-	1	1
FRONT-END LOADERS	-	-	1	-	1	1	-	1	-	-	-	-	1	-	-	-	-	-
ALL OTHER Powered haulage	-	5	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Hoisting	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Machinery</u>	1	7	4	-	6	8	-	4	1	-	11	2	-	13	3	-	3	5
DOZER	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-
DRILL	1	1	1	-	-	1	-	-	-	-	6	1	-	3	1	-	1	-
ALL OTHER Machinery	-	6	3	-	5	7	-	4	1	-	5	1	-	9	2	-	2	5
Slip or fall of person	-	17	5	-	10	3	1	9	-	-	5	2	-	17	3	-	9	4
Stepping or kneeling on object	-	2	-	-	-	-	-	-	1	-	1	1	-	1	-	-	2	-
Striking or bumping	-	1	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-
Other	-	-	1	-	-	1	1	-	-	-	-	3	-	1	3	-	2	2
Total	1	80	33	-	29	20	2	31	10	-	32	26	1	62	26	-	31	32

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

JANUARY - DECEMBER 2022 (FINAL)

Accident Classification	NONMETAL									STONE									SAND / GRAVEL					
	UNDERGROUND			SURFACE			MILLS			UNDERGROUND			SURFACE			MILLS			SURFACE					
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL
Electrical	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
Fall of face, rib, pillar, side or highwall	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Fall of roof or back	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Handling material	-	1	-	-	2	3	-	2	2	-	-	2	-	23	7	-	12	8	-	-	-	5	7	
Handtools	-	-	-	-	1	2	-	-	-	-	1	-	6	7	-	6	5	-	-	-	-	4	1	
Nonpowered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Powered haulage	-	-	-	-	4	-	-	2	1	-	1	-	6	1	-	2	2	-	-	-	-	1	1	
HAULAGE TRUCKS	-	-	-	-	3	-	-	2	-	-	1	-	5	1	-	-	2	-	-	-	-	1	-	
FRONT-END LOADERS	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	1	
ALL OTHER Powered haulage	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hoisting	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	-	-	-	2	1	1	4	-	-	1	1	-	14	3	1	10	4	-	-	-	-	-	1
DOZER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
DRILL	-	-	-	-	-	-	-	-	1	-	-	-	2	-	1	1	-	-	-	-	-	-	-	-
ALL OTHER Machinery	-	-	-	-	2	1	1	3	-	-	1	1	-	12	2	-	9	4	-	-	-	-	-	-
Slip or fall of person	-	-	2	-	6	3	-	2	-	-	-	1	1	1	21	4	-	6	1	-	-	5	5	
Stepping or kneeling on object	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Striking or bumping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	1	-	-	-	-	-	-	2	2	-	-	1	-	-	-	-	1	-	-
Total	-	2	2	-	16	11	1	12	3	-	1	4	3	1	74	24	1	40	21	-	-	19	16	