

Mine Injury and Worktime, Quarterly

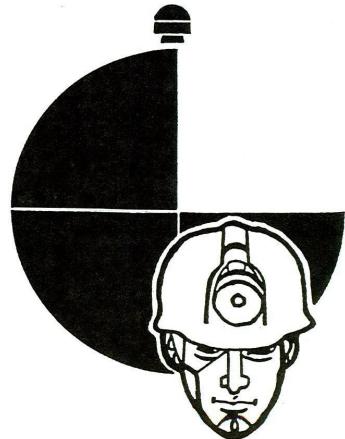


U.S. Department of Labor
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Mine Safety and Health Administration
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This publication has been reviewed and approved for distribution to the mining public by the Office of the Assistant Secretary for Mine 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 than 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:

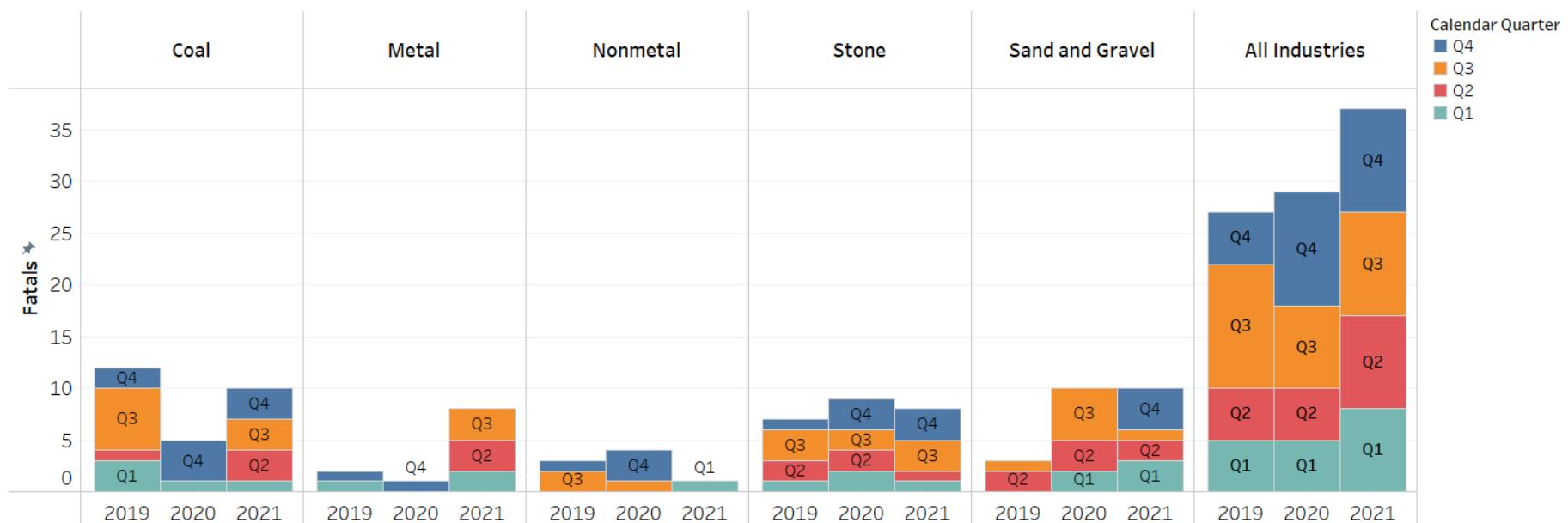
$$IR = (Number\ of\ Injury\ Occurrences \div Number\ of\ Employee\ Hours) \times 200,000$$

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 2019, 2020 and 2021



Note: CY 2021 data is Final . See page 1 for details.

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 2021 (FINAL)

TYPE OF COAL/WORK LOCATION	Fatal	Fatal IR	NFDL	NFDL IR	NDL	NDL IR	All Occurrences	All Incident Rates	Avg # Emp	Emp Hrs	Production
BITUMINOUS COAL											
UNDERGROUND MINES:											
UNDERGROUND	6	0.027	822	3.723	238	1.078	1,066	4.828	19,268	44,155,305	220,545,870
SURFACE AT UG	2	0.128	46	2.943	14	0.896	62	3.967	1,499	3,126,036	-
TOTAL, UNDERGROUND MINES	8	0.034	868	3.672	252	1.065	1,128	4.771	20,767	47,281,941	220,545,870
SURFACE MINES:											
STRIP MINES	1	0.007	89	0.647	43	0.312	133	0.967	13,502	27,520,758	353,087,970
AUGER MINES	-	-	1	0.666	2	1.332	3	1.997	239	300,406	1,403,849
OTHER SURFACE MINES	-	-	-	-	-	-	-	-	137	162,337	477,503
TOTAL, SURFACE MINES	1	0.007	90	0.643	45	0.322	136	0.972	13,878	27,983,501	354,969,322
TOTAL, PRODUCTION MINING	9	0.024	958	2.546	297	0.789	1,264	3.359	34,645	75,265,442	575,515,192
PREPARATION PLANTS	-	-	40	0.967	21	0.508	61	1.474	3,876	8,275,470	-
INDEPENDENT SHOPS OR YARDS	-	-	1	0.681	-	-	1	0.681	137	293,586	-
TOTAL, OTHER OPERATIONS	-	-	41	0.957	21	0.490	62	1.447	4,013	8,569,056	-
Total, BITUMINOUS COAL	9	0.021	959	2.383	318	0.759	1,326	3.163	38,658	83,834,498	575,515,192
ANTHRACITE COAL											
UNDERGROUND MINES:											
UNDERGROUND	-	-	-	-	-	-	-	-	28	41,489	53,948
SURFACE AT UG	-	-	-	-	-	-	-	-	15	17,053	-
TOTAL, UNDERGROUND MINES	-	-	-	-	-	-	-	-	43	58,542	53,948
SURFACE MINES:											
STRIP MINES	-	-	10	2.363	3	0.709	13	3.072	441	846,392	2,049,092
CULM BANK	-	-	-	-	1	1.795	1	1.795	84	111,416	29,631
TOTAL, SURFACE MINES	-	-	10	2.087	4	0.835	14	2.922	527	958,268	2,081,075
TOTAL, PRODUCTION MINING	-	-	10	1.967	4	0.787	14	2.754	570	1,016,810	2,135,023
PREPARATION PLANTS	-	-	7	1.996	-	-	7	1.996	366	701,346	-
INDEPENDENT SHOPS OR YARDS	-	-	-	-	-	-	-	-	7	13,859	-
TOTAL, OTHER OPERATIONS	-	-	7	1.957	-	-	7	1.957	373	715,205	-
Total, ANTHRACITE COAL	-	-	17	1.963	4	0.462	21	2.425	943	1,732,015	2,135,023
ALL COAL											
UNDERGROUND MINES:											
UNDERGROUND	6	0.027	822	3.720	238	1.077	1,066	4.824	19,296	44,197,394	220,599,818
SURFACE AT UG	2	0.127	46	2.927	14	0.891	62	3.945	1,514	3,143,089	-
TOTAL, UNDERGROUND MINES	8	0.034	868	3.667	252	1.065	1,128	4.765	20,810	47,340,483	220,599,818
SURFACE MINES:											
STRIP MINES	1	0.007	89	0.638	46	0.324	146	1.029	13,943	28,367,150	355,137,062
AUGER MINES	-	-	1	0.665	2	1.329	3	1.994	241	300,866	1,406,201
CULM BANK	-	-	-	-	1	0.743	1	0.743	218	269,162	504,346
DREDGE	-	-	-	-	-	-	-	-	3	4,591	2,788
TOTAL, SURFACE MINES	1	0.007	100	0.691	49	0.339	150	1.037	14,405	28,941,769	357,050,397
TOTAL, PRODUCTION MINING	9	0.024	968	2.538	301	0.789	1,278	3.351	35,215	76,282,252	577,650,215
PREPARATION PLANTS	-	-	47	1.047	21	0.468	68	1.515	4,242	8,976,816	-
INDEPENDENT SHOPS/YARDS	-	-	1	0.651	-	-	1	0.651	144	307,445	-
TOTAL, OTHER OPERATIONS	-	-	48	1.034	21	0.452	69	1.486	4,386	9,284,261	-
Total, ALL COAL	9	0.021	1,016	2.375	322	0.753	1,347	3.148	39,601	85,566,513	577,650,215
OFFICEWORKERS											
BITUMINOUS COAL	-	-	-	-	-	-	-	-	1,424	2,564,223	-
ANTHRACITE COAL	-	-	-	-	-	-	-	-	99	176,416	-
TOTAL, OFFICEWORKERS	-	-	-	-	-	-	-	-	1,523	2,740,639	-
GRAND TOTAL	9	0.020	1,016	2.301	322	0.729	1,347	3.051	41,124	88,307,152	577,650,215

TABLE 2. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES,
AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY
JANUARY - DECEMBER 2021 (FINAL)

WORK LOCATION/MINERAL INDUSTRY	Fatal	Fatal IR	NFDL	NFDL IR	NDL	NDL IR	All Occurrences	All Incident Rates	Avg # Emp	Emp Hrs
UNDERGROUND MINES										
METAL	4	0.052	106	1.365	47	0.605	157	2.021	7,920	15,533,872
NONMETAL	-	-	65	2.407	33	1.222	98	3.628	2,627	5,401,912
STONE	1	0.036	54	1.955	22	0.796	77	2.787	2,769	5,524,742
TOTAL, UNDERGROUND MINES	5	0.038	225	1.701	102	0.771	332	2.509	13,316	26,460,526
SURFACE MINES										
METAL	2	0.013	244	1.567	54	0.347	300	1.927	15,330	31,139,399
NONMETAL	1	0.017	80	1.378	16	0.276	97	1.671	6,154	11,610,166
STONE	5	0.017	391	1.354	166	0.575	562	1.946	29,764	57,762,833
SAND AND GRAVEL	9	0.033	301	1.103	149	0.546	459	1.682	32,054	54,579,219
TOTAL, SURFACE MINES	17	0.022	1,016	1.310	385	0.496	1,418	1.829	83,302	155,091,617
TOTAL, MINES	22	0.024	1,241	1.367	487	0.536	1,750	1.928	96,618	181,552,143
MILLS										
METAL	-	-	175	1.337	52	0.397	227	1.734	12,958	26,181,257
NONMETAL	-	-	168	1.543	54	0.496	222	2.038	10,831	21,781,772
STONE	1	0.004	465	1.701	196	0.717	662	2.421	25,898	54,689,516
TOTAL, MILLS	1	0.002	808	1.574	302	0.588	1,111	2.165	49,687	102,652,545
INDEPENDENT SHOPS AND YARDS										
STONE	-	-	-	-	-	-	-	-	41	52,405
TOTAL, INDEPENDENT SHOPS AND YARDS	-	-	-	-	-	-	-	-	41	52,405
ALL MINES, MILLS AND SHOPS										
METAL	6	0.016	525	1.441	153	0.420	684	1.878	36,208	72,854,528
NONMETAL	1	0.005	313	1.614	103	0.531	417	2.150	19,612	38,793,850
STONE	7	0.012	910	1.542	384	0.651	1,301	2.205	58,472	118,029,496
SAND AND GRAVEL	9	0.033	301	1.103	149	0.546	459	1.682	32,054	54,579,219
TOTAL, ALL MINES, MILLS AND SHOPS	23	0.016	2,049	1.442	789	0.555	2,861	2.013	146,346	284,257,093
OFFICEWORKERS										
METAL	-	-	7	0.166	4	0.095	11	0.260	4,437	8,450,961
NONMETAL	-	-	2	0.058	2	0.058	4	0.115	3,752	6,952,875
STONE	-	-	4	0.042	4	0.042	8	0.085	10,405	18,853,509
SAND AND GRAVEL	-	-	3	0.087	3	0.087	6	0.174	5,783	6,887,304
TOTAL, OFFICEWORKERS	-	-	16	0.078	13	0.063	29	0.141	24,377	41,144,649
SUMMARY TOTAL (INCLUDING OFFICEWORKERS)										
METAL	6	0.015	532	1.309	157	0.386	695	1.710	40,645	81,305,489
NONMETAL	1	0.004	315	1.377	105	0.459	421	1.841	23,364	45,746,725
STONE	7	0.010	914	1.335	388	0.567	1,309	1.913	68,877	136,883,005
SAND AND GRAVEL	9	0.029	304	0.989	152	0.495	465	1.513	37,837	61,466,523
GRAND TOTAL	23	0.014	2,065	1.269	802	0.493	2,890	1.776	170,723	325,401,742

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

JANUARY - DECEMBER 2021 (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	-	-	-	-	-	-	-	-	-	63	103,310	-	-	-	-	23	53,745		
STONE	-	-	-	9	16,037	-	-	7	1	752	1,623,449	-	-	-	-	118	250,621		
SAND AND GRAVEL	-	-	-	-	-	-	-	8	2	502	1,038,397	-	-	-	-	20	3,425,399		
TOTAL, MINM	-	-	-	9	16,037	-	-	15	3	1,317	2,765,156	-	-	-	-	20	3,729,765		
COAL	-	52	4	1,197	3,124,518	7,958,912	-	-	3	-	310	724,948	1,295,883	-	-	4	-	164	421,771
ALASKA																			
METAL	-	11	6	987	2,048,165	-	-	1	9	3	724	1,610,631	-	-	-	5	2	509	1,316,852
NONMETAL	-	-	-	-	-	-	-	-	-	2	650	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	95	67,463	-	-	-	-	-	-	10	12,096
SAND AND GRAVEL	-	-	-	-	-	-	-	-	2	-	355	274,892	-	-	-	-	-	-	-
TOTAL, MINM	-	11	6	987	2,048,165	-	-	1	11	3	1,176	1,953,636	-	-	-	5	2	519	1,326,948
COAL	-	-	-	-	-	-	-	-	-	82	159,593	1,042,288	-	-	-	-	-	3	4,661
ARIZONA																			
METAL	-	-	-	227	383,482	-	-	-	109	16	4,362	8,641,605	-	-	-	68	18	3,904	7,551,693
NONMETAL	-	-	-	-	-	-	-	-	-	57	103,276	-	-	-	-	2	2	38	67,984
STONE	-	-	-	-	-	-	-	-	8	2	530	1,034,306	-	-	-	6	2	268	555,683
SAND AND GRAVEL	-	-	-	-	-	-	-	-	19	8	1,378	2,664,261	-	-	-	-	-	-	-
TOTAL, MINM	-	-	-	227	383,482	-	-	-	136	26	6,327	12,443,448	-	-	-	76	22	4,210	8,175,360
COAL	-	-	-	-	-	-	-	-	-	-	24	34,441	-	-	-	-	-	-	-
ARKANSAS																			
METAL	-	-	-	-	-	-	-	-	-	14	32,287	-	-	-	-	4	1	223	433,657
NONMETAL	-	-	-	-	-	-	-	-	1	-	127	228,022	-	-	-	4	1	53	96,506
STONE	-	-	-	20	28,442	-	-	-	7	6	836	1,746,039	-	-	-	12	7	511	1,066,795
SAND AND GRAVEL	-	-	-	-	-	-	-	-	2	-	447	846,321	-	-	-	-	-	-	-
TOTAL, MINM	-	-	-	20	28,442	-	-	-	8	8	1,424	2,852,669	-	-	-	20	9	787	1,596,958
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA																			
METAL	-	1	-	39	41,505	-	-	-	7	5	486	945,798	-	-	-	7	-	423	678,495
NONMETAL	-	-	-	5	1,089	-	-	-	11	1	544	1,041,472	-	-	-	6	9	791	1,562,376
STONE	-	-	-	-	-	-	-	-	20	7	985	1,835,700	-	-	-	21	5	1,045	2,102,256
SAND AND GRAVEL	-	-	-	-	-	-	-	-	41	12	2,693	5,376,404	-	-	-	-	-	-	-
TOTAL, MINM	-	1	-	44	42,595	-	-	-	79	25	4,710	9,199,374	-	-	-	34	14	2,259	4,543,127
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 2021 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS																
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES							
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production																							
COLORADO																													
METAL	-	6	2	376	631,130	-	-	9	1	380	682,745	-	-	-	-	-	-	6	-	429	792,251								
NONMETAL	-	-	-	8	11,980	-	-	1	-	48	98,455	-	-	-	-	-	-	-	-	7	12,554								
STONE	-	-	-	31	43,418	-	-	8	2	400	805,450	-	-	-	-	-	-	11	8	1,114	1,892,764	-	-	-	-	-			
SAND AND GRAVEL	-	-	-	-	-	-	-	11	8	1,114	1,892,764	-	-	-	-	-	-	29	11	1,942	3,479,414	-	-	-	-	-			
TOTAL, M/NM	-	6	2	415	686,528	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
COAL	-	12	7	570	1,177,208	7,130,005	-	-	-	-	-	-	-	-	-	-	-	5	1	284	590,314	4,744,787	-	-	-	-	-		
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 2021 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS																
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			NUMBER OF INJURIES				Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			Fatal	NFDL	NDL	AVG # EMP	EMP HRS
	Fatal	NFDL	NDL	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs				
GEORGIA																														
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
STONE	1	7	1	102	191,391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL, M/NM	1	7	1	102	191,391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
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	-	10	8	569	974,230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL, M/NM	-	10	8	569	974,230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ILLINOIS																														
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
STONE	-	3	4	209	458,837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL, M/NM	-	3	4	209	458,837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
COAL	-	95	25	1,629	3,551,616	36,197,667	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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

JANUARY - DECEMBER 2021 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS														
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS				
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production									
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	1	-	32	61,719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	169	372,972	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	1	-	201	434,691	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	51	8	954	2,238,263	10,411,324	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IOWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	7	2	110	216,118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	3	3	228	518,226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	10	5	338	734,344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	4	4	131	261,596	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	8	15,796	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	4	4	139	277,392	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	8	2	413	804,418	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	8	2	413	804,418	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	1	117	54	2,689	6,224,971	21,497,127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	5	4	364	777,563	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	5	4	364	777,563	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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 2021 (FINAL)

Underground Mines						Surface Operations						MILLS AND PREP PLANTS													
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			NUMBER OF INJURIES			Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS		
	Fatal	NFDL	NDL	Fatal	NFDL	NDL																			
MAINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	8	1,784	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	8	1,784	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	2	-	48	115,864	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	-	48	115,864	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	6	2	75	178,689	375,383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MASSACHUSETTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	25	46,573	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	3	59	150,949	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	3	-	84	197,522	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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 2021 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS																
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES					
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MISSOURI	-	17	6	571	1,186,286	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	-	-	-	19	50,611	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	583	943,007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	28	13	1,173	2,179,904	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MONTANA	-	26	11	1,635	2,930,992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	2	26	11	1,635	2,930,992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	1	921	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	2	26	11	1,635	2,931,913	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	4	2	182	364,199	7,246,554	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	4	-	227	557,113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	4	-	227	557,113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEVADA	-	15	6	2,719	5,705,445	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	15	6	2,719	5,705,445	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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 2021 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS					
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			NUMBER OF INJURIES				NUMBER OF INJURIES			NUMBER OF INJURIES		MILLS AND PREP PLANTS						
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs		
NEW HAMPSHIRE																			
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	5	2	166	304,919	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	382	500,606	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	6	3	553	808,252	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEW JERSEY																			
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEW MEXICO																			
METAL	-	-	-	-	-	-	-	6	3	395	791,276	-	-	-	-	-	-	-	-
NONMETAL	-	5	2	244	500,448	-	-	3	-	172	349,525	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	4	1	270	492,685	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	6	3	488	740,144	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	5	2	244	500,448	-	-	19	7	1,325	2,373,630	-	-	-	-	-	-	-	-
COAL	-	3	3	208	420,313	1,572,266	-	3	-	578	1,092,611	7,693,226	-	-	-	-	-	19	44,568
NEW YORK																			
METAL	-	4	1	66	168,577	-	-	-	-	15	32,308	-	-	-	-	-	-	-	-
NONMETAL	-	10	3	456	994,971	-	-	2	-	62	71,836	-	-	-	-	-	-	-	-
STONE	-	1	-	19	43,521	-	-	13	3	925	1,604,763	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	6	1,187	1,715,723	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	15	4	541	1,207,069	-	-	1	21	6	2,189	3,424,630	-	-	-	-	-	22	1,724,195
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA																			
METAL	-	-	-	-	-	-	-	-	-	1	762	-	-	-	-	-	3	6,362	-
NONMETAL	-	-	-	-	-	-	-	-	2	1	406	811,533	-	-	-	-	6	410	853,588
STONE	-	-	-	-	-	-	-	-	4	5	925	1,854,951	-	-	-	-	20	810	1,797,202
SAND AND GRAVEL	-	-	-	-	-	-	-	-	1	2	297	593,829	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	7	8	1,629	3,261,075	-	-	-	-	26	1,223	2,657,152
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 2021 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS													
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			NUMBER OF INJURIES			Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS				
	Fatal	NFDL	NDL	Fatal	NFDL	NDL	Fatal	NFDL	NDL	Fatal	NFDL	NDL	Fatal	NFDL	NDL	Fatal	NFDL	NDL	Fatal	NFDL	NDL	Fatal	NFDL	NDL			
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	5	3	305	574,844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	3	-	93	222,174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	8	3	398	797,018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	1	2	2	171	381,912	1,783,623	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	1	-	12	23,968	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	12	23,968	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	18	12,590	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	18	12,590	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	5	3	344	686,711	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	5	3	344	686,711	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BITUMINOUS COAL	1	103	42	2,521	5,589,123	36,006,405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARTHRACTITE COAL	-	-	-	43	58,542	53,948	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	1	103	42	2,564	5,647,665	36,060,353	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - DECEMBER 2021 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS									
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # Emp	Emp Hrs
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production					
PUERTO RICO							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, MNM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHODE ISLAND							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, MNM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, MNM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, MNM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	2	16	7	619	1,290,943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	5	-	120	209,953	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, MNM	2	21	7	739	1,500,896	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	9	606	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - DECEMBER 2021 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS								
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	NUMBER OF INJURIES			EMP HRS	Production	Fatal	NFDL	NDL	NUMBER OF INJURIES			EMP HRS	Production
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production				Fatal	NFDL	NDL						Avg # Emp	Emp Hrs			
TEXAS																						
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	4	-	-	35	80,638	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	1	-	-	14	31,611	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	5	-	49	112,249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UTAH																						
METAL	-	-	-	-	45	72,650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	2	5	-	83	148,309	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	2	5	128	220,959	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	1	41	10	1,176	2,510,339	11,999,666	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VERMONT																						
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	31	68,911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	31	68,911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIRGIN ISLANDS OF THE U S																						
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIRGINIA																						
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	9	19,526	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	9	19,526	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	32	9	1,097	2,523,674	8,023,070	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

JANUARY - DECEMBER 2021 (FINAL)

Underground Mines							Surface Operations					MILLS AND PREP PLANTS															
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES			NUMBER OF INJURIES			Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS				
	Fatal	NFDL	NDL	Fatal	NFDL	NDL																					
WASHINGTON																											
METAL	-	-	-				24			41,303		-															
NONMETAL	-	-	-				-			-		-															
STONE	-	-	-				-			-		-															
SAND AND GRAVEL	-	-	-				-			-		-															
TOTAL, M/NM	-	-	-				24			41,303		-															
COAL	-	-	-				-			-		-															
WEST VIRGINIA																											
METAL	-	-	-				-			-		-															
NONMETAL	-	-	-				-			-		-															
STONE	-	-	2				80			152,845		-															
SAND AND GRAVEL	-	-	-				-			-		-															
TOTAL, M/NM	-	-	2				80			152,845		-															
COAL	4	350	82				8,177			18,752,563		67,148,969															
WISCONSIN																											
METAL	-	-	-				-			-		-															
NONMETAL	-	-	-				-			-		-															
STONE	-	-	-				-			-		-															
SAND AND GRAVEL	-	-	-				-			-		-															
TOTAL, M/NM	-	-	-				-			-		-															
COAL	-	-	-				-			-		-															
WYOMING																											
METAL	-	-	-				-			-		-															
NONMETAL	-	19	10				767			1,568,272		-															
STONE	-	-	-				-			-		-															
SAND AND GRAVEL	-	-	-				-			-		-															
TOTAL, M/NM	-	19	10				767			1,568,272		-															
COAL	-	-	2				112			243,847		3,194,899															
NATION																											
METAL	4	106	47				7,920			15,533,872		-															
NONMETAL	-	65	33				2,627			5,401,912		-															
STONE	1	54	22				2,769			5,524,742		-															
SAND AND GRAVEL	-	-	-				-			-		-															
TOTAL, M/NM	5	225	102				13,316			26,460,526		-															
COAL	8	868	252				20,810			47,340,483		220,599,818															

Table 4. NUMBER OF OPERATOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION
JANUARY - DECEMBER 2021 (FINAL)

COAL											METAL											
Accident Classification	UNDERGROUND			SURFACE			PREPARATION PLANTS					UNDERGROUND			SURFACE			PREPARATION PLANTS				
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL		
Electrical	-	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-		
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Exploding vessels under pressure	-	4	4	-	1	-	-	-	-	-	-	-	-	-	2	1	-	-	1	-		
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-		
Falling, rolling, or sliding material	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Fall of face, rib, pillar, side or highwall	1	27	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Fall of roof or back	1	71	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Fire	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Handling material	-	319	85	-	30	22	-	18	9	-	-	-	-	-	-	31	14	-	58	16	67	
Handtools	-	66	39	-	5	8	-	5	4	-	-	-	-	-	-	10	10	-	19	11	15	
Nonpowered haulage	-	3	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
<u>Powered haulage</u>	<u>4</u>	<u>78</u>	<u>13</u>	-	<u>9</u>	<u>3</u>	-	<u>1</u>	<u>1</u>	-	-	-	-	-	-	<u>3</u>	<u>13</u>	<u>1</u>	-	<u>56</u>	<u>5</u>	
HAULAGE TRUCKS	1	7	-	-	9	3	-	1	1	-	-	-	-	-	-	5	1	-	39	3	5	
FRONT-END LOADERS	-	25	8	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	9	1	-	
ALL OTHER Powered haulage	3	46	5	-	-	-	-	-	-	-	-	-	-	-	-	3	4	-	8	1	2	
Hoisting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Inundation	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Machinery	1	107	39	1	11	8	-	2	2	-	-	-	-	-	-	9	9	1	34	12	15	
DOZER	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	
DRILL	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	4	1	1	1	1	1	
ALL OTHER Machinery	1	106	39	1	8	7	-	2	2	-	-	-	-	-	-	5	8	-	29	11	14	
Slip or fall of person	-	140	20	-	37	5	-	21	3	-	-	-	-	-	-	23	4	-	65	4	50	
Stepping or kneeling on object	-	17	2	-	3	-	-	-	-	-	-	-	-	-	-	4	-	-	4	-	7	
Striking or bumping	-	6	12	-	-	-	-	-	-	1	1	-	-	-	-	-	-	1	1	-	2	
Other	-	17	2	-	3	3	-	-	-	-	-	-	-	-	-	1	-	-	6	5	5	
Total	8	868	252	1	100	49	-	48	21	-	-	-	-	-	-	4	106	47	2	244	54	175
																						52

Table 4. NUMBER OF OPERATOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION
JANUARY - DECEMBER 2021 (FINAL)

NONMETAL											STONE									SAND / GRAVEL		
Accident Classification	UNDERGROUND			SURFACE			MILLS			UNDERGROUND			SURFACE			MILLS			SURFACE			
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	
Electrical	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	1	1	-	-	-	-	-	-	4	2	-	-	-	-	-	-	-	-	-	-	-
Explosives and breaking agents	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Fall of face, rib, pillar, side or highwall	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fall of roof or back	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-
Handling material	-	24	12	-	24	5	-	65	20	-	-	-	-	-	-	-	-	-	-	2	102	52
Handtools	-	8	8	-	4	5	-	15	10	-	-	-	-	-	-	-	-	-	-	-	32	35
Nonpowered haulage	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Powered haulage	-	5	4	-	13	-	-	9	2	-	-	-	-	-	-	-	-	-	-	4	30	10
HAULAGE TRUCKS	-	2	-	-	4	-	-	4	1	-	-	-	-	-	-	-	-	-	-	4	9	3
FRONT-END LOADERS	-	1	2	-	6	-	-	4	1	-	-	-	-	-	-	-	-	-	-	-	18	4
ALL OTHER Powered haulage	-	2	2	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3	3	-
Hoisting	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Machinery	-	3	5	-	8	3	-	13	6	-	-	-	-	-	-	-	-	-	-	3	32	21
DOZER	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-
DRILL	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-
ALL OTHER Machinery	-	2	4	-	8	2	-	12	5	-	-	-	-	-	-	-	-	-	-	3	26	20
Slip or fall of person	-	15	2	1	23	3	-	43	11	-	-	-	-	-	-	-	-	-	-	102	19	78
Stepping or kneeling on object	-	1	-	-	3	-	-	7	1	-	-	-	-	-	-	-	-	-	-	5	-	-
Striking or bumping	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	6	6	5
Other	-	3	-	-	2	-	-	8	1	-	-	-	-	-	-	-	-	-	-	8	4	-
Total	-	65	33	1	80	16	-	168	54	-	54	22	5	391	166	1	464	196	9	302	149	-

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 2021 (FINAL)

TYPE OF COAL/WORK LOCATION	Fatal	Fatal IR	NFDL	NFDL IR	NDL	NDL IR	All Occurrences	All Incident Rates	Avg # Emp	Emp Hrs	Production
BITUMINOUS COAL											
UNDERGROUND MINES:											
UNDERGROUND	-	-	59	-	21	-	80	-	-	-	-
SURFACE AT UG	-	-	9	-	8	-	17	-	-	-	-
TOTAL, UNDERGROUND MINES	-	-	68	-	29	-	97	-	-	-	-
SURFACE MINES:											
STRIP MINES	-	-	26	-	9	-	35	-	-	-	-
AUGER MINES	-	-	-	-	-	-	-	-	-	-	-
OTHER SURFACE MINES	-	-	2	-	2	-	4	-	-	-	-
CULM BANK	-	-	-	-	-	-	-	-	-	-	-
DREDGE	-	-	-	-	-	-	-	-	-	-	-
TOTAL, SURFACE MINES	-	-	28	-	11	-	39	-	-	-	-
TOTAL, PRODUCTION MINING	-	-	96	-	40	-	136	-	-	-	-
PREPARATION PLANTS	1	-	18	-	8	-	27	-	-	-	-
INDEPENDENT SHOPS OR YARDS	-	-	-	-	1	-	1	-	-	-	-
TOTAL, OTHER OPERATIONS	1	-	18	-	9	-	28	-	-	-	-
Total, BITUMINOUS COAL	1	-	114	-	49	-	164	-	-	-	-
ANTHRACITE COAL											
UNDERGROUND MINES:											
UNDERGROUND	-	-	-	-	-	-	-	-	-	-	-
SURFACE AT UG	-	-	-	-	-	-	-	-	-	-	-
TOTAL, UNDERGROUND MINES	-	-	-	-	-	-	-	-	-	-	-
SURFACE MINES:											
STRIP MINES	-	-	1	-	-	-	1	-	-	-	-
CULM BANK	-	-	-	-	-	-	-	-	-	-	-
DREDGE	-	-	-	-	-	-	-	-	-	-	-
TOTAL, SURFACE MINES	-	-	1	-	-	-	1	-	-	-	-
TOTAL, PRODUCTION MINING	-	-	1	-	-	-	1	-	-	-	-
PREPARATION PLANTS	-	-	1	-	-	-	1	-	-	-	-
INDEPENDENT SHOPS OR YARDS	-	-	-	-	-	-	-	-	-	-	-
TOTAL, OTHER OPERATIONS	-	-	1	-	-	-	1	-	-	-	-
Total, ANTHRACITE COAL	-	-	2	-	-	-	2	-	-	-	-
ALL COAL											
UNDERGROUND MINES:											
UNDERGROUND	-	-	59	2.753	21	0.980	80	3.732	3,723	4,286,971	170,464
SURFACE AT UG	-	-	9	0.517	8	0.460	17	0.977	3,944	3,479,593	-
TOTAL, UNDERGROUND MINES	-	-	68	1.751	29	0.747	97	2.498	7,667	7,766,564	170,464
SURFACE MINES:											
STRIP MINES	-	-	27	0.742	9	0.247	36	0.990	7,632	7,275,995	79,027
AUGER MINES	-	-	-	-	-	-	-	-	48	34,143	-
CULM BANK	-	-	2	1.384	2	1.384	4	2.768	263	288,987	-
DREDGE	-	-	-	-	-	-	-	-	36	32,932	98
TOTAL, SURFACE MINES	-	-	29	0.760	11	0.288	40	1.048	7,979	7,632,057	79,125
TOTAL, PRODUCTION MINING	-	-	97	1.260	40	0.520	137	1.779	15,646	15,398,621	249,589
PREPARATION PLANTS	1	0.057	19	1.075	8	0.453	28	1.584	3,692	3,535,145	-
INDEPENDENT SHOPS/YARDS	-	-	-	-	1	1.420	1	1.420	144	140,799	-
TOTAL, OTHER OPERATIONS	1	0.054	19	1.034	9	0.490	29	1.578	3,836	3,675,944	-
Total, ALL COAL	1	0.010	116	1.216	49	0.514	166	1.741	19,482	19,074,565	249,589
OFFICEWORKERS											
BITUMINOUS COAL	-	-	-	-	-	-	-	-	-	-	-
ANTHRACITE COAL	-	-	-	-	-	-	-	-	-	-	-
TOTAL, OFFICEWORKERS	-	-	-	-	-	-	-	-	733	1,075,996	-
GRAND TOTAL	1	0.010	116	1.151	49	0.486	166	1.648	20,215	20,150,561	249,589

TABLE 6. NUMBER OF CONTRACTOR INJURIES, INJURY-INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES,
AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY
JANUARY - DECEMBER 2021 (FINAL)

WORK LOCATION/MINERAL INDUSTRY	Fatal	Fatal IR	NFDL	NFDL IR	NDL	NDL IR	All Occurrences	All Incident Rates	Avg # Emp	Emp Hrs
UNDERGROUND MINES										
METAL	1	-	21	0.549	17	0.444	39	1.019	-	-
NONMETAL	-	-	6	-	2	-	8	-	-	-
STONE	-	-	5	-	1	-	6	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, UNDERGROUND MINES	1	-	32	0.836	20	0.522	53	1.385	7,030	7,656,060
SURFACE MINES										
METAL	1	-	51	0.237	26	0.121	76	0.362	-	-
NONMETAL	-	-	21	-	7	-	28	-	-	-
STONE	-	-	52	-	23	-	75	-	-	-
SAND AND GRAVEL	1	-	17	-	11	-	29	-	-	-
TOTAL, SURFACE MINES	2	-	141	0.654	67	0.311	210	0.974	44,058	43,102,312
TOTAL, MINES	3	0.012	173	0.682	87	0.343	263	1.036	51,088	50,758,372
MILLS										
METAL	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	15	0.161	19	0.204	34	0.366	-	-
STONE	-	-	9	-	6	-	15	-	-	-
SAND AND GRAVEL	1	-	43	-	31	-	75	-	-	-
TOTAL, MILLS	1	-	67	0.720	56	0.602	124	1.333	15,848	18,601,535
INDEPENDENT SHOPS AND YARDS										
METAL	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, INDEPENDENT SHOPS AND YARDS	-	-	-	-	-	-	-	-	1	17
ALL MINES, MILLS AND SHOPS										
METAL	2	-	87	0.251	62	0.179	151	0.435	-	-
NONMETAL	-	-	36	-	15	-	51	-	-	-
STONE	1	-	100	-	55	-	156	-	-	-
SAND AND GRAVEL	1	-	17	-	11	-	29	-	-	-
TOTAL, ALL MINES, MILLS AND SHOPS	4	0.012	240	0.692	143	0.412	387	1.116	66,937	69,359,924
OFFICEWORKERS										
METAL	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	1	-	-	-	1	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, OFFICEWORKERS	-	-	1	0.073	-	-	1	0.073	2,368	2,728,308
SUMMARY TOTAL (INCLUDING OFFICEWORKERS)										
METAL	2	-	87	0.241	62	0.172	151	0.419	-	-
NONMETAL	-	-	37	-	15	-	52	-	-	-
STONE	1	-	100	-	55	-	156	-	-	-
SAND AND GRAVEL	1	-	17	-	11	-	29	-	-	-
GRAND TOTAL	4	0.011	241	0.669	143	0.397	388	1.076	69,305	72,088,232

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

JANUARY - DECEMBER 2021 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS																	
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs		
ALABAMA																															
METAL	-	-	-	-	-	-																									
NONMETAL	-	-	-	-	-	-																									
STONE	-	-	-	-	-	-																									
SAND AND GRAVEL	-	-	-	-	-	-																									
TOTAL, M/NM	-	-	-	-	-	-																									
COAL	-	1	1	-	-	-																									
ALASKA																															
METAL	-	2	4	-	-	-																									
NONMETAL	-	-	-	-	-	-																									
STONE	-	-	-	-	-	-																									
SAND AND GRAVEL	-	-	-	-	-	-																									
TOTAL, M/NM	-	2	4	-	-	-																									
COAL	-	-	-	-	-	-																									
ARIZONA																															
METAL	-	1	1	-	-	-																									
NONMETAL	-	-	-	-	-	-																									
STONE	-	-	-	-	-	-																									
SAND AND GRAVEL	-	-	-	-	-	-																									
TOTAL, M/NM	-	1	1	-	-	-																									
COAL	-	-	-	-	-	-																									
ARKANSAS																															
METAL	-	-	-	-	-	-																									
NONMETAL	-	-	-	-	-	-																									
STONE	-	-	-	-	-	-																									
SAND AND GRAVEL	-	-	-	-	-	-																									
TOTAL, M/NM	-	-	-	-	-	-																									
COAL	-	-	-	-	-	-																									
CALIFORNIA																															
METAL	-	-	-	-	-	-																									
NONMETAL	-	-	-	-	-	-																									
STONE	-	-	-	-	-	-																									
SAND AND GRAVEL	-	-	-	-	-	-																									
TOTAL, M/NM	-	-	-	-	-	-																									
COAL	-	-	-	-	-	-																									

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

JANUARY - DECEMBER 2021 (FINAL)

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

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

JANUARY - DECEMBER 2021 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						NUMBER OF INJURIES						NUMBER OF INJURIES				
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs
GEORGIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	2	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 - DECEMBER 2021 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS									
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # Emp	Emp Hrs
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production					
INDIANA																							
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
COAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
IOWA																							
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	1	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KANSAS																							
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KENTUCKY																							
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	
COAL	-	6	5	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-	
LOUISIANA																							
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	
NONMETAL	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	
TOTAL, M/NM	-	2	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 - DECEMBER 2021 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS																			
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES								
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs				
MAINE																																	
METAL	-	-	-	-	-	-																											
NONMETAL	-	-	-	-	-	-																											
STONE	-	-	-	-	-	-																											
SAND AND GRAVEL	-	-	-	-	-	-																											
TOTAL, M/NM	-	-	-	-	-	-																											
COAL	-	-	-	-	-	-																											
MARYLAND																																	
METAL	-	-	-	-	-	-																											
NONMETAL	-	-	-	-	-	-																											
STONE	-	-	1	1	-	-																											
SAND AND GRAVEL	-	-	-	-	-	-																											
TOTAL, M/NM	-	-	1	1	-	-																											
COAL	-	-	-	-	-	-																											
MASSACHUSETTS																																	
METAL	-	-	-	-	-	-																											
NONMETAL	-	-	-	-	-	-																											
STONE	-	-	-	-	-	-																											
SAND AND GRAVEL	-	-	-	-	-	-																											
TOTAL, M/NM	-	-	-	-	-	-																											
COAL	-	-	-	-	-	-																											
MICHIGAN																																	
METAL	-	-	1	2	-	-																											
NONMETAL	-	-	-	-	-	-																											
STONE	-	-	-	-	-	-																											
SAND AND GRAVEL	-	-	-	-	-	-																											
TOTAL, M/NM	-	-	1	2	-	-																											
COAL	-	-	-	-	-	-																											
MINNESOTA																																	
METAL	-	-	-	-	-	-																											
NONMETAL	-	-	-	-	-	-																											
STONE	-	-	-	-	-	-																											
SAND AND GRAVEL	-	-	-	-	-	-																											
TOTAL, M/NM	-	-	-	-	-	-																											
COAL	-	-	-	-	-	-																											

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

JANUARY - DECEMBER 2021 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS							
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	NUMBER OF INJURIES						Fatal	NFDL	NDL	NUMBER OF INJURIES		
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production				Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production				Fatal	NFDL	Avg # Emp
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
METAL	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-
TOTAL, M/NM	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-
METAL	-	-	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - DECEMBER 2021 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS																
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES			Fatal	NFDL	NDL	AVG # EMP	EMP HRS
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production																							
NEW HAMPSHIRE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	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 2021 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS									
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS
	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production							Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production					
NORTH DAKOTA																							
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
OHIO																							
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OKLAHOMA																							
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OREGON																							
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PENNSYLVANIA																							
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	1	-	-	-	-	-	-	-	-	-	-	4	3	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	1	-	-	-	-	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	
BITUMINOUS COAL	-	20	11	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	
ARTHRACTITE COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
COAL	-	20	11	-	-	-	-	-	-	-	-	-	-	-	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 2021 (FINAL)

Underground Mines						Surface Operations						MILLS AND PREP PLANTS											
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production					
PUERTO RICO							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHODE ISLAND							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - DECEMBER 2021 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS																
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES					
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	
TEXAS							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UTAH							-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VERMONT							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIRGIN ISLANDS OF THE U S							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIRGINIA							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 2021 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS																				
STATE AND MINERAL INDUSTRY	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	NUMBER OF INJURIES						Fatal	NFDL	NDL	AVG # Emp	Emp Hrs	Production	NUMBER OF INJURIES									
	Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs	Production							Fatal	NFDL	NDL	Avg # Emp	Emp Hrs					
WASHINGTON																																		
METAL	-	-	-	1	-	-																												
NONMETAL	-	-	-	-	-	-																												
STONE	-	-	-	-	-	-																												
SAND AND GRAVEL	-	-	-	-	-	-																												
TOTAL, M/NM	-	-	1	-	-	-																												
COAL	-	-	-	-	-	-																												
WEST VIRGINIA																																		
METAL	-	-	-	-	-	-																												
NONMETAL	-	-	-	-	-	-																												
STONE	-	-	-	-	-	-																												
SAND AND GRAVEL	-	-	-	-	-	-																												
TOTAL, M/NM	-	-	-	-	-	-																												
COAL	-	34	10	-	-	-																						1	6	5	-			
WISCONSIN																																		
METAL	-	-	-	-	-	-																												
NONMETAL	-	-	-	-	-	-																												
STONE	-	-	-	-	-	-																												
SAND AND GRAVEL	-	-	-	-	-	-																												
TOTAL, M/NM	-	-	-	-	-	-																												
COAL	-	-	-	-	-	-																												
WYOMING																																		
METAL	-	-	-	-	-	-																												
NONMETAL	-	3	1	-	-	-																						1	1	-	-			
STONE	-	-	-	-	-	-																												
SAND AND GRAVEL	-	-	-	-	-	-																												
TOTAL, M/NM	-	3	1	-	-	-																						1	1	-	-			
COAL	-	1	-	-	-	-																												
NATION																																		
METAL	1	21	17	-	-	-																						-	15	19	-	-		
NONMETAL	-	6	2	-	-	-																						-	9	6	-	-		
STONE	-	5	1	-	-	-																						1	43	31	-	-		
SAND AND GRAVEL	-	-	-	-	-	-																						-	-	-	-	-		
TOTAL, M/NM	1	32	20	7,030	7,656,060	-																					2	141	67	44,058	43,102,312			
COAL	-	68	29	7,667	7,766,564	170,464																				-	29	11	7,979	7,632,057	79,125			

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

JANUARY - DECEMBER 2021 (FINAL)

COAL											METAL								
Accident Classification	UNDERGROUND			SURFACE			PREPARATION PLANTS			UNDERGROUND			SURFACE			PREPARATION PLANTS			
	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	
Electrical	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Exploding vessels under pressure	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Falling, rolling, or sliding material	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fall of face, rib, pillar, side or highwall	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fall of roof or back	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fire	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Handling material	-	22	12	-	9	6	-	6	4	-	-	-	-	-	-	-	-	-	
Handtools	-	8	5	-	6	1	-	1	2	-	-	-	-	-	-	-	-	-	
Nonpowered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Powered haulage</u>	-	5	2	-	4	-	1	4	1	-	-	-	-	-	-	-	-	-	
HAULAGE TRUCKS	-	1	1	-	4	-	1	4	1	-	-	-	-	-	-	-	-	-	
FRONT-END LOADERS	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ALL OTHER Powered haulage	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hoisting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Machinery</u>	-	7	4	-	2	2	-	1	1	-	-	-	-	-	-	-	-	-	
DOZER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DRILL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ALL OTHER Machinery	-	6	4	-	2	2	-	1	1	-	-	-	-	-	-	-	-	-	
Slip or fall of person	-	17	3	-	6	2	-	5	-	-	-	-	-	-	-	-	-	-	
Stepping or kneeling on object	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Striking or bumping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	3	
Other	-	-	3	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Total	-	68	29	-	29	11	1	19	9	1	21	17	1	51	26	-	15	19	

Table 8. NUMBER OF CONTRACTOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION
JANUARY - DECEMBER 2021 (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	-	-	-	-	-	-	-	-	-	-	
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Exploding vessels under pressure	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Falling, rolling, or sliding material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fall of face, rib, pillar, side or highwall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fall of roof or back	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Handling material	-	2	-	-	4	3	-	6	1	-	-	-	-	-	-	-	-	-	-	4	4	
Handtools	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
Nonpowered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Powered haulage</u>	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	
HAULAGE TRUCKS	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	
FRONT-END LOADERS	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	
ALL OTHER Powered haulage	-	2	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hoisting	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Machinery</u>	-	-	2	-	3	-	-	1	1	-	-	-	-	-	-	-	-	-	2	1	1	
DOZER	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	
DRILL	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
ALL OTHER Machinery	-	-	1	-	2	-	-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	
Slip or fall of person	-	2	-	-	5	-	-	1	3	-	-	-	-	-	-	-	-	-	4	2	2	
Stepping or kneeling on object	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Striking or bumping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
Other	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	
Total	-	6	2	-	21	7	-	9	6	-	-	5	1	-	52	23	1	43	31	1	17	11