

# Mine Injury and Worktime, Quarterly

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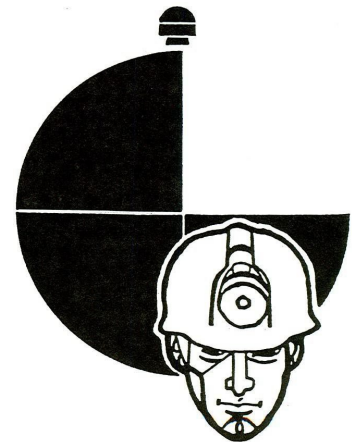


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## SCOPE OF DATA AND ITS LIMITATIONS

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:       Non fatal occurrences with Days Lost (lost workdays). That is, non fatal injury occurrences that result in days away from work or days of restricted work activity.
3.     NDL:        Occurrences with No Days Lost. That is, non fatal 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**  
 Calendar Year 2022, 2023 and 2024

CY 2022					
	Coal	Metal	Nonmetal	Sand & Gravel	Stone
Q1	6	2	1	2	1
Q2					4
Q3	3			3	1
Q4	2	1	1	1	2

CY 2023					
	Coal	Metal	Nonmetal	Sand & Gravel	Stone
Q1	3	1	2		8
Q2	3	1		3	3
Q3	2		1	2	5
Q4	1	1	1	1	2

CY 2024					
	Coal	Metal	Nonmetal	Sand & Gravel	Stone
Q1	1		1		1
Q2	2		1	2	2
Q3	7	1			7
Q4			1	1	1

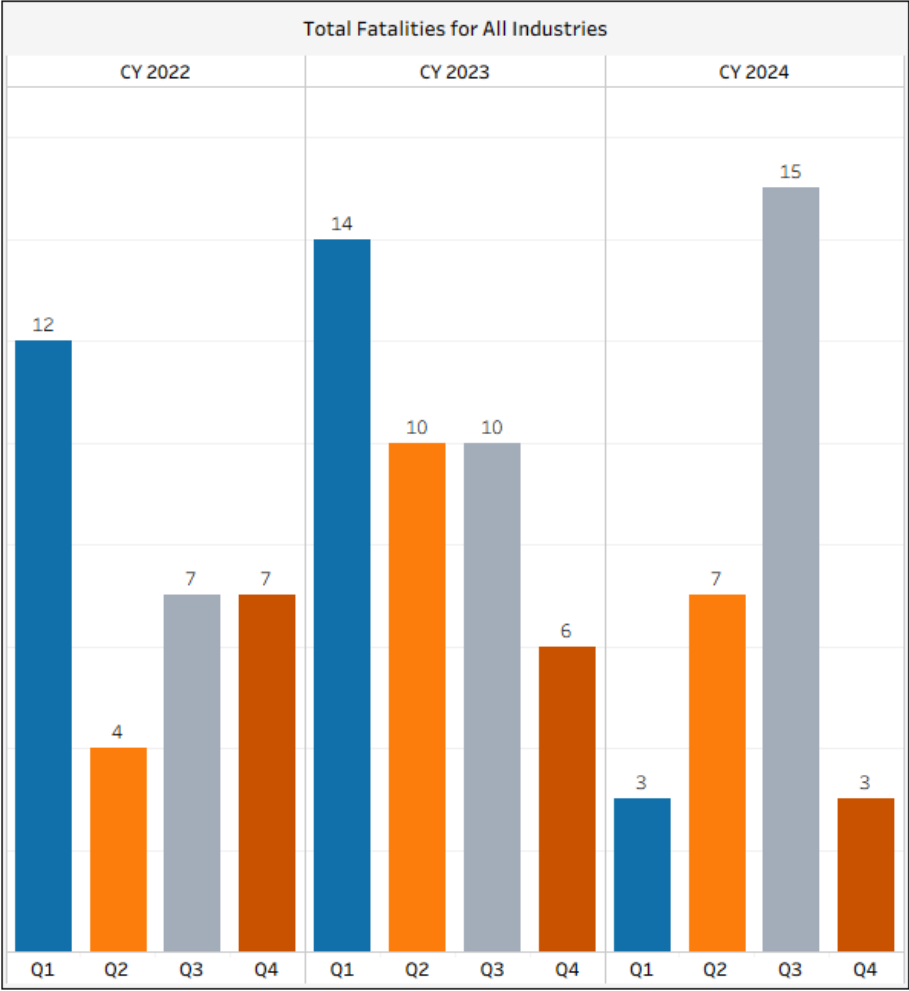


TABLE 1. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENT RATES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS, AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION JANUARY - DECEMBER 2024 (FINAL)

TYPE OF COAL/WORK LOCATION	Fatal	Fatal IR	NFDL	NFDL IR	NDL	NDL IR	All OCCURENCES	ALL INCIDENT RATES	AVG # EMP	EMP HRS	PRODUCTION
<b>BITUMINOUS COAL</b>											
UNDERGROUND MINES:											
UNDERGROUND	5	0.019	868	3.349	287	1.107	1,160	4.476	22,580	51,837,300	206,032,002
SURFACE AT UG	1	0.055	22	1.206	15	0.822	38	2.083	1,618	3,648,157	-
TOTAL, UNDERGROUND MINES	6	0.022	890	3.208	302	1.089	1,198	4.318	24,198	55,485,457	206,032,002
SURFACE MINES:											
STRIP MINES	1	0.007	119	0.813	48	0.328	168	1.148	13,846	29,266,493	299,684,920
AUGER MINES	-	-	8	2.962	4	1.481	12	4.444	333	540,091	3,211,807
OTHER SURFACE MINES	-	-	2	1.359	1	0.679	3	2.038	168	294,393	412,387
TOTAL, SURFACE MINES	1	0.007	129	0.857	53	0.352	183	1.216	14,347	30,100,977	303,309,114
TOTAL, PRODUCTION MINING	7	0.016	1,019	2.381	355	0.830	1,381	3.227	38,545	85,586,434	509,341,116
PREPARATION PLANTS	-	-	36	0.749	21	0.437	57	1.185	4,362	9,617,034	-
INDEPENDENT SHOPS OR YARDS	-	-	2	1.282	1	0.641	3	1.923	149	311,989	-
TOTAL, OTHER OPERATIONS	-	-	38	0.765	22	0.443	60	1.209	4,511	9,929,023	-
Total, BITUMINOUS COAL	7	0.015	1,057	2.213	377	0.789	1,441	3.017	43,056	95,515,457	509,341,116
<b>ANTHRACITE COAL</b>											
UNDERGROUND MINES:											
UNDERGROUND	-	-	3	4.074	1	1.358	4	5.432	105	147,263	180,154
SURFACE AT UG	-	-	-	-	-	-	-	-	16	20,326	-
TOTAL, UNDERGROUND MINES	-	-	3	3.580	1	1.193	4	4.774	121	167,589	180,154
SURFACE MINES:											
STRIP MINES	-	-	23	3.896	1	0.169	24	4.065	589	1,180,752	2,911,792
CULM BANK	1	0.911	-	-	-	-	1	0.911	117	219,498	105,036
TOTAL, SURFACE MINES	1	0.143	23	3.279	1	0.143	25	3.564	708	1,402,950	3,027,116
TOTAL, PRODUCTION MINING	1	0.127	26	3.311	2	0.255	29	3.693	829	1,570,539	3,207,270
PREPARATION PLANTS	1	0.239	14	3.344	1	0.239	16	3.822	421	837,321	-
INDEPENDENT SHOPS OR YARDS	-	-	-	-	1	6.229	1	6.229	15	32,110	-
TOTAL, OTHER OPERATIONS	1	0.230	14	3.220	2	0.460	17	3.911	436	869,431	-
Total, ANTHRACITE COAL	2	0.164	40	3.279	4	0.328	46	3.771	1,265	2,439,970	3,207,270
<b>ALL COAL</b>											
UNDERGROUND MINES:											
UNDERGROUND	5	0.019	871	3.351	288	1.108	1,164	4.478	22,685	51,984,563	206,212,156
SURFACE AT UG	1	0.055	22	1.199	15	0.818	38	2.072	1,634	3,668,483	-
TOTAL, UNDERGROUND MINES	6	0.022	893	3.209	303	1.089	1,202	4.320	24,319	55,653,046	206,212,156
SURFACE MINES:											
STRIP MINES	1	0.007	142	0.933	49	0.322	192	1.261	14,435	30,447,245	302,596,712
AUGER MINES	-	-	8	2.948	4	1.474	12	4.422	335	542,791	3,222,095
CULM BANK	1	0.392	2	0.783	1	0.392	4	1.566	283	510,705	514,936
DREDGE	-	-	-	-	-	-	-	-	2	3,186	2,487
TOTAL, SURFACE MINES	2	0.013	152	0.965	54	0.343	208	1.320	15,055	31,503,927	306,336,230
TOTAL, PRODUCTION MINING	8	0.018	1,045	2.398	357	0.819	1,410	3.236	39,374	87,156,973	512,548,386
PREPARATION PLANTS	1	0.019	50	0.957	22	0.421	73	1.397	4,783	10,454,355	-
INDEPENDENT SHOPS/YARDS	-	-	2	1.162	2	1.162	4	2.325	164	344,099	-
TOTAL, OTHER OPERATIONS	1	0.019	52	0.963	24	0.445	77	1.426	4,947	10,798,454	-
Total, ALL COAL	9	0.018	1,097	2.240	381	0.778	1,487	3.036	44,321	97,955,427	512,548,386
<b>OFFICEWORKERS</b>											
BITUMINOUS COAL	-	-	4	0.311	-	-	4	0.311	1,457	2,573,997	-
ANTHRACITE COAL	-	-	-	-	-	-	-	-	94	171,066	-
TOTAL, OFFICEWORKERS	-	-	4	0.291	-	-	4	0.291	1,551	2,745,063	-
<b>GRAND TOTAL</b>	<b>9</b>	<b>0.018</b>	<b>1,101</b>	<b>2.187</b>	<b>381</b>	<b>0.757</b>	<b>1,491</b>	<b>2.961</b>	<b>45,872</b>	<b>100,700,490</b>	<b>512,548,386</b>

TABLE 2. NUMBER OF OPERATOR INJURIES, INJURY-INCIDENT RATES, AVERAGE NUMBER OF EMPLOYEES,  
AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY  
JANUARY - DECEMBER 2024 (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	-	-	141	1.742	46	0.568	187	2.310	8,172	16,192,103
NONMETAL	1	0.038	42	1.594	19	0.721	62	2.353	2,691	5,269,282
STONE	-	-	43	1.496	20	0.696	63	2.191	2,688	5,750,239
TOTAL, UNDERGROUND MINES	1	0.007	226	1.661	85	0.625	312	2.293	13,551	27,211,624
SURFACE MINES										
METAL	-	-	243	1.449	62	0.370	305	1.818	17,482	33,546,326
NONMETAL	1	0.014	86	1.232	46	0.659	133	1.906	7,198	13,959,140
STONE	6	0.019	430	1.375	164	0.525	600	1.919	31,594	62,525,627
SAND AND GRAVEL	4	0.013	329	1.085	163	0.537	496	1.635	35,119	60,656,890
TOTAL, SURFACE MINES	11	0.013	1,088	1.275	435	0.510	1,534	1.797	91,393	170,687,983
TOTAL, MINES	12	0.012	1,314	1.328	520	0.526	1,846	1.866	104,944	197,899,607
MILLS										
METAL	-	-	188	1.377	76	0.557	264	1.934	13,241	27,299,461
NONMETAL	1	0.008	150	1.248	68	0.566	219	1.822	11,588	24,035,403
STONE	-	-	450	1.534	181	0.617	631	2.152	27,297	58,651,453
TOTAL, MILLS	1	0.002	788	1.433	325	0.591	1,114	2.026	52,126	109,986,317
INDEPENDENT SHOPS AND YARDS										
STONE	-	-	-	-	-	-	-	-	39	54,269
TOTAL, INDEPENDENT SHOPS AND YARDS	-	-	-	-	-	-	-	-	39	54,269
ALL MINES, MILLS AND SHOPS										
METAL	-	-	572	1.485	184	0.478	756	1.963	38,895	77,037,890
NONMETAL	3	0.014	278	1.285	133	0.615	414	1.914	21,477	43,263,825
STONE	6	0.009	923	1.454	365	0.575	1,294	2.038	61,618	126,981,588
SAND AND GRAVEL	4	0.013	329	1.085	163	0.537	496	1.635	35,119	60,656,890
TOTAL, ALL MINES, MILLS AND SHOPS	13	0.008	2,102	1.365	845	0.549	2,960	1.922	157,109	307,940,193
OFFICEWORKERS										
METAL	-	-	2	0.039	5	0.099	7	0.138	5,268	10,135,665
NONMETAL	-	-	3	0.085	-	-	3	0.085	3,874	7,080,147
STONE	-	-	7	0.069	5	0.050	12	0.119	10,877	20,153,500
SAND AND GRAVEL	-	-	2	0.057	2	0.057	4	0.113	5,865	7,075,984
TOTAL, OFFICEWORKERS	-	-	14	0.063	12	0.054	26	0.117	25,884	44,445,296
SUMMARY TOTAL (INCLUDING OFFICEWORKERS)										
METAL	-	-	574	1.317	189	0.434	763	1.751	44,163	87,173,555
NONMETAL	3	0.012	281	1.116	133	0.528	417	1.657	25,351	50,343,972
STONE	6	0.008	930	1.264	370	0.503	1,306	1.775	72,495	147,135,088
SAND AND GRAVEL	4	0.012	331	0.977	165	0.487	500	1.476	40,984	67,732,874
GRAND TOTAL	13	0.007	2,116	1.201	857	0.486	2,986	1.695	182,993	352,385,489

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

JANUARY - DECEMBER 2024 (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		
<b>ALABAMA</b>																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	61,359
NONMETAL	-	-	-	-	-	-	-	1	1	157	238,897	-	-	-	-	159	347,980
STONE	-	-	1	9	17,800	-	-	7	1	855	1,808,410	-	-	24	10	1,617	3,715,092
SAND AND GRAVEL	-	-	-	-	-	-	-	2	2	490	1,084,441	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	-	1	9	17,800	-	-	10	4	1,502	3,131,748	-	-	24	10	1,797	4,124,431
<b>COAL</b>	1	73	9	1,995	5,095,006	13,471,255	-	-	-	216	492,833	911,110	-	-	1	251	672,079
<b>ALASKA</b>																	
METAL	-	20	5	1,150	2,219,750	-	-	3	3	779	1,745,589	-	-	4	4	467	1,351,904
NONMETAL	-	-	-	-	-	-	-	-	-	2	625	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	84	74,811	-	-	-	-	2	1,116
SAND AND GRAVEL	-	-	-	-	-	-	-	1	3	513	359,880	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	20	5	1,150	2,219,750	-	-	4	6	1,378	2,180,905	-	-	4	4	469	1,353,020
<b>COAL</b>	-	-	-	-	-	-	-	2	2	85	164,494	1,003,565	-	-	-	3	5,550
<b>ARIZONA</b>																	
METAL	-	-	1	260	493,938	-	-	114	17	4,946	10,107,538	-	-	91	26	4,367	8,742,642
NONMETAL	-	-	-	-	-	-	-	-	1	72	132,660	-	-	5	1	90	183,209
STONE	-	-	-	-	-	-	-	2	1	448	840,774	-	-	6	4	400	880,288
SAND AND GRAVEL	-	-	-	-	-	-	-	17	6	1,690	3,147,036	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	-	1	260	493,938	-	-	133	25	7,156	14,228,008	-	-	102	31	4,857	9,786,139
<b>COAL</b>	-	-	-	-	-	-	-	-	-	36	69,092	-	-	-	-	-	-
<b>ARKANSAS</b>																	
METAL	-	-	-	-	-	-	-	-	-	23	47,125	-	-	2	6	241	529,551
NONMETAL	-	-	-	-	-	-	-	-	1	109	163,862	-	-	-	-	104	210,133
STONE	-	-	1	20	37,597	-	-	4	2	854	1,736,451	-	-	11	3	585	1,314,425
SAND AND GRAVEL	-	-	-	-	-	-	-	1	3	353	712,719	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	-	1	20	37,597	-	-	5	6	1,339	2,660,157	-	-	13	9	910	2,054,109
<b>COAL</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	843
<b>CALIFORNIA</b>																	
METAL	-	-	-	23	29,870	-	-	8	4	786	1,344,634	-	-	4	1	613	1,032,120
NONMETAL	-	-	-	9	4,173	-	-	6	3	585	1,133,231	-	-	1	4	859	1,748,021
STONE	-	-	-	-	-	-	-	16	3	1,061	2,096,353	-	-	21	3	1,071	2,204,598
SAND AND GRAVEL	-	-	-	-	-	-	1	36	8	2,721	5,635,910	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	-	-	32	33,843	-	1	66	18	5,153	10,210,128	-	-	26	8	2,543	4,984,739
<b>COAL</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

JANUARY - DECEMBER 2024 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS				
	NUMBER OF INJURIES							NUMBER OF INJURIES							NUMBER OF INJURIES			
STATE AND MINERAL INDUSTRY	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	
COLORADO																		
METAL	-	2	1	216	427,874	-	-	11	2	405	970,380	-	-	2	-	426	887,209	
NONMETAL	-	-	-	7	6,130	-	-	2	2	169	385,367	-	-	-	-	3	5,162	
STONE	-	1	-	30	55,707	-	-	14	2	391	838,688	-	-	7	2	348	706,798	
SAND AND GRAVEL	-	-	-	-	-	-	1	8	5	1,231	2,103,035	-	-	-	-	-	-	
TOTAL, M/NM	-	3	1	253	489,711	-	1	35	11	2,196	4,297,470	-	-	9	2	777	1,599,169	
COAL	1	9	4	698	1,497,592	7,190,430	-	6	-	300	592,187	5,200,895	-	1	-	79	177,014	
COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	-	-	2	1,709	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	77	149,890	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	79	151,599	-	-	-	-	-	-	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONNECTICUT																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STONE	-	-	-	-	-	-	-	5	1	397	646,241	-	-	4	-	109	204,857	
SAND AND GRAVEL	-	-	-	-	-	-	-	6	-	175	255,062	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	11	1	572	901,303	-	-	4	-	109	204,857	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DELAWARE																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	43,107	
NONMETAL	-	-	-	-	-	-	-	-	-	15	19,854	-	-	-	-	1	2,167	
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	33	74,711	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	-	2	-	48	94,565	-	-	-	-	19	45,274	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FLORIDA																		
METAL	-	-	-	-	-	-	-	1	-	34	70,587	-	-	1	1	144	300,126	
NONMETAL	-	-	-	-	-	-	1	25	4	940	2,063,976	-	-	5	2	484	1,079,161	
STONE	-	-	-	-	-	-	-	10	6	1,348	3,190,550	-	-	12	7	1,245	2,822,306	
SAND AND GRAVEL	-	-	-	-	-	-	-	8	4	594	1,296,540	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	-	-	-	1	44	14	2,916	6,621,653	-	-	18	10	1,873	4,201,593	
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 2024 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS						
	NUMBER OF INJURIES							NUMBER OF INJURIES							NUMBER OF INJURIES					
STATE AND MINERAL INDUSTRY	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	-	-	-	-	-	-	-	-	-	4	7,427	-	-	-	-	4	5,502			
NONMETAL	-	-	-	-	-	-	-	3	1	304	549,514	-	-	17	7	1,951	4,067,629			
STONE	-	-	1	78	166,548	-	1	21	5	922	1,882,775	-	-	14	5	1,206	2,781,385			
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	288	597,000	-	-	-	-	-	-			
TOTAL, M/NM	-	-	1	78	166,548	-	1	26	6	1,518	3,036,716	-	-	31	12	3,161	6,854,516			
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
GUAM																				
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
STONE	-	-	-	-	-	-	-	-	-	22	47,942	-	-	-	-	86	70,088			
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	104	192,344	-	-	-	-	-	-			
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	126	240,286	-	-	-	-	86	70,088			
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
HAWAII																				
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
STONE	-	-	-	-	-	-	-	8	-	256	536,543	-	-	1	-	21	51,391			
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	57	47,705	-	-	-	-	-	-			
TOTAL, M/NM	-	-	-	-	-	-	-	8	-	313	584,248	-	-	1	-	21	51,391			
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
IDAHO																				
METAL	-	13	12	650	1,222,738	-	-	1	1	75	128,766	-	-	-	2	115	220,841			
NONMETAL	-	-	-	-	-	-	-	3	3	341	684,689	-	-	2	-	180	307,560			
STONE	-	-	-	-	-	-	-	2	2	262	312,078	-	-	2	-	30	52,598			
SAND AND GRAVEL	-	-	-	-	-	-	-	9	5	809	1,166,216	-	-	-	-	-	-			
TOTAL, M/NM	-	13	12	650	1,222,738	-	-	15	11	1,487	2,291,749	-	-	4	2	325	580,999			
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ILLINOIS																				
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	28,153			
NONMETAL	-	-	-	-	-	-	-	4	1	116	244,719	-	-	4	1	295	663,551			
STONE	-	5	1	208	465,515	-	-	6	6	733	1,528,262	-	-	14	4	786	1,678,517			
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	394	692,666	-	-	-	-	-	-			
TOTAL, M/NM	-	5	1	208	465,515	-	-	12	7	1,243	2,465,647	-	-	18	5	1,094	2,370,221			
COAL	-	112	43	1,821	3,956,834	33,530,484	-	-	1	74	170,257	897,356	-	-	1	1	287	625,968		

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

JANUARY - DECEMBER 2024 (FINAL)

Underground Mines							Surface Operations						MILLS AND PREP PLANTS					
	NUMBER OF INJURIES							NUMBER OF INJURIES						NUMBER OF INJURIES				
STATE AND MINERAL INDUSTRY	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	
INDIANA																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4,195	
NONMETAL	-	-	-	29	61,959	-	-	-	-	27	52,339	-	-	1	-	106	211,902	
STONE	-	-	-	171	385,123	-	-	13	7	679	1,339,959	-	-	9	8	1,052	2,226,607	
SAND AND GRAVEL	-	-	-	-	-	-	-	8	-	533	1,056,785	-	-	-	-	-	-	
TOTAL, M/NM	-	-	-	200	447,082	-	-	21	7	1,239	2,449,083	-	-	10	8	1,161	2,442,704	
COAL	-	65	15	1,064	2,610,396	11,311,006	-	6	3	742	1,639,762	8,842,239	-	1	1	193	435,985	
IOWA																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	2	4	129	269,088	-	-	-	-	64	126,665	-	-	1	-	86	165,042	
STONE	-	1	1	241	543,419	-	-	3	5	778	1,410,315	-	-	4	5	397	890,310	
SAND AND GRAVEL	-	-	-	-	-	-	-	3	5	521	704,289	-	-	-	-	-	-	
TOTAL, M/NM	-	3	5	370	812,507	-	-	6	10	1,363	2,241,269	-	-	5	5	483	1,055,352	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KANSAS																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	4	1	123	271,205	-	-	-	-	33	65,882	-	-	-	-	56	109,852	
STONE	-	-	-	8	13,234	-	-	2	5	572	1,047,980	-	-	3	5	319	649,696	
SAND AND GRAVEL	-	-	-	-	-	-	-	2	2	331	549,418	-	-	-	-	-	-	
TOTAL, M/NM	-	4	1	131	284,439	-	-	4	7	936	1,663,280	-	-	3	5	375	759,548	
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KENTUCKY																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NONMETAL	-	-	-	-	-	-	-	-	-	23	43,165	-	-	-	-	54	118,139	
STONE	-	9	7	483	934,140	-	-	6	3	745	1,526,254	5,280	-	15	4	1,120	2,351,173	
SAND AND GRAVEL	-	-	-	-	-	-	-	3	1	173	364,365	-	-	-	-	-	-	
TOTAL, M/NM	-	9	7	483	934,140	-	-	9	4	941	1,933,784	5,280	-	15	4	1,174	2,469,312	
COAL	-	120	55	2,858	6,444,032	18,529,044	-	19	4	956	2,303,677	5,779,555	-	16	5	638	1,451,211	
LOUISIANA																		
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	17	4	457	1,149,623	
NONMETAL	-	6	1	396	693,726	-	-	-	1	78	181,236	-	-	1	1	124	280,077	
STONE	-	-	-	-	-	-	-	-	-	5	5,374	-	-	-	-	2	1,287	
SAND AND GRAVEL	-	-	-	-	-	-	-	4	2	890	1,664,758	-	-	-	-	-	-	
TOTAL, M/NM	-	6	1	396	693,726	-	-	4	3	973	1,851,368	-	-	18	5	583	1,430,987	
COAL	-	-	-	-	-	-	-	-	-	33	65,247	264,374	-	-	-	-	-	

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

JANUARY - DECEMBER 2024 (FINAL)

Underground Mines							Surface Operations							MILLS AND PREP PLANTS						
	NUMBER OF INJURIES							NUMBER OF INJURIES							NUMBER OF INJURIES					
STATE AND MINERAL INDUSTRY	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production	Fatal	NFDL	NDL	AVG # EMP	EMP HRS	Production		
MAINE																				
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL	-	-	-	8	2,745	-	-	-	-	1	1,118	-	-	-	-	-	-	-		
STONE	-	-	-	-	-	-	-	4	3	187	261,100	-	-	1	1	26	42,244	-		
SAND AND GRAVEL	-	-	-	-	-	-	-	4	3	694	841,413	-	-	-	-	-	-	-		
TOTAL, M/NM	-	-	-	8	2,745	-	-	8	6	882	1,103,631	-	-	1	1	26	42,244	-		
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MARYLAND																				
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL	-	-	-	-	-	-	-	-	-	6	7,588	-	-	1	-	12	18,140	-		
STONE	-	-	-	8	17,681	-	-	9	2	279	538,182	-	-	2	2	440	967,922	-		
SAND AND GRAVEL	-	-	-	-	-	-	-	4	1	210	429,162	-	-	-	-	-	-	-		
TOTAL, M/NM	-	-	-	8	17,681	-	-	13	3	495	974,932	-	-	3	2	452	986,062	-		
COAL	-	4	3	115	268,587	503,575	-	1	-	128	274,121	817,354	-	-	-	53	115,201	-		
MASSACHUSETTS																				
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NONMETAL	-	-	-	-	-	-	-	-	-	18	25,556	-	-	-	-	-	-	-		
STONE	-	-	-	-	-	-	-	7	3	409	741,433	-	-	-	2	169	291,794	-		
SAND AND GRAVEL	-	-	-	-	-	-	1	2	2	374	515,717	-	-	-	-	-	-	-		
TOTAL, M/NM	-	-	-	-	-	-	1	9	5	801	1,282,706	-	-	-	2	169	291,794	-		
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MICHIGAN																				
METAL	-	10	-	106	190,661	-	-	5	3	440	1,043,192	-	-	6	-	492	1,120,100	-		
NONMETAL	-	2	1	72	165,794	-	-	-	1	105	217,470	-	-	-	-	14	31,564	-		
STONE	-	-	-	-	-	-	-	2	3	312	615,346	-	-	20	6	650	1,400,629	-		
SAND AND GRAVEL	-	-	-	-	-	-	-	13	5	1,375	2,064,032	-	-	-	-	-	-	-		
TOTAL, M/NM	-	12	1	178	356,455	-	-	20	12	2,232	3,940,040	-	-	26	6	1,156	2,552,293	-		
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MINNESOTA																				
METAL	-	-	-	-	-	-	-	23	13	2,013	4,139,022	-	-	16	11	1,608	3,316,824	-		
NONMETAL	-	-	-	-	-	-	-	-	-	14	17,533	-	-	-	-	-	-	-		
STONE	-	-	-	-	-	-	-	3	4	285	488,826	-	-	5	-	60	112,767	-		
SAND AND GRAVEL	-	-	-	-	-	-	-	8	4	1,436	1,687,788	-	-	-	-	-	-	-		
TOTAL, M/NM	-	-	-	-	-	-	-	34	21	3,748	6,333,169	-	-	21	11	1,668	3,429,591	-		
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 2024 (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	-	-	-	-	-	-	-	1	-	69	134,079	-	-	9	4	326	692,626
STONE	-	-	-	-	-	-	-	-	-	9	16,600	-	-	-	-	4	8,136
SAND AND GRAVEL	-	-	-	-	-	-	-	6	3	545	844,407	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	7	3	623	995,086	-	-	9	4	330	700,762
COAL	-	-	-	-	-	-	-	2	1	216	443,737	2,041,402	-	-	-	-	-
MISSOURI																	
METAL	-	21	3	595	1,197,962	-	-	1	-	57	42,187	-	-	2	-	95	194,400
NONMETAL	-	-	-	-	-	-	-	-	-	74	121,734	-	-	8	5	541	1,188,295
STONE	-	9	7	425	934,802	-	-	27	7	1,328	2,605,281	-	-	41	25	2,226	4,552,549
SAND AND GRAVEL	-	-	-	-	-	-	-	5	2	235	374,497	-	-	-	-	-	-
TOTAL, M/NM	-	30	10	1,020	2,132,764	-	-	33	9	1,694	3,143,699	-	-	51	30	2,862	5,935,244
COAL	-	-	-	-	-	-	-	-	-	8	18,226	147,314	-	-	-	-	-
MONTANA																	
METAL	-	28	4	1,223	2,253,166	-	-	4	1	205	403,504	-	-	3	4	365	690,151
NONMETAL	-	-	-	12	4,155	-	-	1	-	81	134,798	-	-	3	4	158	329,870
STONE	-	-	-	-	-	-	-	4	-	132	185,542	-	-	3	-	160	308,668
SAND AND GRAVEL	-	-	-	-	-	-	-	6	3	593	644,679	-	-	-	-	-	-
TOTAL, M/NM	-	28	4	1,235	2,257,321	-	-	15	4	1,011	1,368,523	-	-	9	8	683	1,328,689
COAL	-	8	3	189	412,353	7,067,888	-	5	6	589	1,150,034	19,915,570	-	-	-	95	182,728
NEBRASKA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	13	9,481	-	-	-	-	-	-
STONE	-	6	1	229	568,635	-	-	-	1	54	82,446	-	-	-	-	129	281,859
SAND AND GRAVEL	-	-	-	-	-	-	-	4	1	391	685,362	-	-	-	-	-	-
TOTAL, M/NM	-	6	1	229	568,635	-	-	4	2	458	777,289	-	-	-	-	129	281,859
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA																	
METAL	-	19	10	2,803	5,764,560	-	-	45	12	5,769	9,408,577	-	-	23	6	2,231	4,424,457
NONMETAL	-	-	-	-	-	-	-	3	3	265	479,061	-	-	4	-	473	960,447
STONE	-	-	-	-	-	-	-	3	1	167	347,495	-	-	6	3	226	469,394
SAND AND GRAVEL	-	-	-	-	-	-	-	3	-	761	1,379,579	-	-	-	-	-	-
TOTAL, M/NM	-	19	10	2,803	5,764,560	-	-	54	16	6,962	11,614,712	-	-	33	9	2,930	5,854,298
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 2024 (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	-	-	-	-	-	-	-	-	-	1	1,798	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	5	2	165	303,729	-	-	6	4	24	44,911
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	448	568,786	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	6	2	612	872,313	-	-	6	4	24	44,911
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	29	59,159	-	-	3	1	114	231,746
STONE	-	-	-	-	-	-	-	16	2	418	995,275	-	-	1	-	141	307,021
SAND AND GRAVEL	-	-	-	-	-	-	-	7	1	410	840,808	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	24	3	857	1,895,242	-	-	4	1	255	538,767
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO																	
METAL	-	-	-	-	-	-	-	6	1	420	920,953	-	-	9	1	387	798,516
NONMETAL	-	6	1	279	578,353	-	-	5	-	213	393,715	-	-	9	2	326	685,704
STONE	-	-	-	-	-	-	-	2	-	269	473,235	-	-	-	1	90	207,083
SAND AND GRAVEL	-	-	-	-	-	-	-	2	1	476	739,610	-	-	-	-	-	-
TOTAL, M/NM	-	6	1	279	578,353	-	-	15	2	1,368	2,527,513	-	-	18	4	803	1,671,303
COAL	-	-	-	-	-	-	-	4	1	629	1,205,401	7,198,771	-	-	-	10	21,921
NEW YORK																	
METAL	-	1	2	100	211,056	-	-	1	-	17	37,000	-	-	1	-	32	82,210
NONMETAL	-	4	1	414	858,651	-	-	2	1	63	73,554	-	-	9	-	190	377,054
STONE	-	-	-	19	46,304	-	1	13	10	973	1,755,656	-	-	12	6	575	1,186,459
SAND AND GRAVEL	-	-	-	-	-	-	-	8	7	1,282	1,677,708	-	-	-	-	-	-
TOTAL, M/NM	-	5	3	533	1,116,011	-	1	24	18	2,335	3,543,918	-	-	22	6	797	1,645,723
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH CAROLINA																	
METAL	-	-	-	-	-	-	-	-	-	1	2,507	-	-	-	-	5	7,786
NONMETAL	-	-	-	-	-	-	-	1	2	426	930,159	-	-	7	3	478	1,015,444
STONE	-	-	-	-	-	-	-	5	2	942	1,945,731	-	-	14	4	863	1,940,760
SAND AND GRAVEL	-	-	-	-	-	-	-	6	1	314	631,175	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	12	5	1,683	3,509,572	-	-	21	7	1,346	2,963,990
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 2024 (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		
NORTH DAKOTA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	50	69,978	-	-	-	-	34	53,136
STONE	-	-	-	-	-	-	-	-	-	7	1,370	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	453	561,127	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	1	510	632,475	-	-	-	-	34	53,136
COAL	-	-	-	-	-	-	-	7	4	1,232	2,396,732	25,414,668	-	-	-	3	3,575
OHIO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	1	4	1	289	595,825	-	-	-	1	95	132,539	-	-	-	1	148	304,526
STONE	-	-	-	123	251,203	-	-	6	9	764	1,507,427	-	-	12	6	935	1,899,656
SAND AND GRAVEL	-	-	-	-	-	-	1	9	4	809	1,562,426	-	-	-	-	-	-
TOTAL, M/NM	1	4	1	412	847,028	-	1	15	14	1,668	3,202,392	-	-	12	7	1,083	2,204,182
COAL	-	8	-	124	276,186	779,737	-	2	-	172	364,635	1,015,362	-	1	-	55	86,335
OKLAHOMA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	229	477,395	-	-	2	-	38	75,900
STONE	-	-	-	12	24,956	-	-	27	12	1,510	3,248,738	-	-	6	3	559	1,219,555
SAND AND GRAVEL	-	-	-	-	-	-	-	2	2	450	903,738	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	12	24,956	-	-	29	15	2,189	4,629,871	-	-	8	3	597	1,295,455
COAL	-	-	-	-	-	-	-	-	-	1	299	118	-	-	-	-	-
OREGON																	
METAL	-	-	-	8	5,237	-	-	-	-	15	5,967	-	-	-	-	1	144
NONMETAL	-	-	-	-	-	-	-	1	-	114	116,953	-	-	-	-	125	233,903
STONE	-	-	-	-	-	-	-	12	5	829	1,335,617	-	-	4	-	97	198,925
SAND AND GRAVEL	-	-	-	-	-	-	-	8	4	511	788,333	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	8	5,237	-	-	21	9	1,469	2,246,870	-	-	4	-	223	432,972
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	108	215,373
NONMETAL	-	-	-	-	-	-	-	-	1	47	86,780	-	-	5	2	121	216,027
STONE	-	7	-	317	653,575	-	1	44	11	2,113	3,910,485	-	-	45	5	1,800	3,664,292
SAND AND GRAVEL	-	-	-	-	-	-	-	4	3	369	652,458	-	-	-	-	-	-
TOTAL, M/NM	-	7	-	317	653,575	-	1	48	15	2,529	4,649,723	-	-	50	7	2,029	4,095,692
BITUMINOUS COAL	-	86	35	2,947	6,492,315	36,066,978	-	8	1	459	953,153	1,574,561	-	1	-	407	875,244
ARTHRAHITE COAL	-	-	-	32	39,470	51,697	1	23	1	704	1,398,804	3,011,227	1	14	2	429	886,443
COAL	-	86	35	2,979	6,531,785	36,118,675	1	31	2	1,163	2,351,957	4,585,788	1	15	2	836	1,741,687

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

JANUARY - DECEMBER 2024 (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		
PUERTO RICO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	14	27,911	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	6	-	388	729,523	-	-	7	2	289	577,789
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	101	157,395	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	7	-	503	914,829	-	-	7	2	289	577,789
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RHODE ISLAND																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	83	147,144	-	-	-	-	9	17,158
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	171	315,845	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	-	254	462,989	-	-	-	-	9	17,158
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA																	
METAL	-	21	2	485	1,152,184	-	-	-	-	-	-	-	-	-	-	98	214,982
NONMETAL	-	-	-	-	-	-	-	-	-	79	146,596	-	-	4	-	140	300,336
STONE	-	-	-	-	-	-	-	6	2	406	888,057	-	-	12	5	631	1,441,236
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	253	533,599	-	-	-	-	-	-
TOTAL, M/NM	-	21	2	485	1,152,184	-	-	7	3	738	1,568,252	-	-	16	5	869	1,956,554
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA																	
METAL	-	-	-	-	-	-	-	2	1	183	327,145	-	-	1	-	54	110,502
NONMETAL	-	-	-	-	-	-	-	-	-	4	9,425	-	-	-	-	5	9,196
STONE	-	-	-	-	-	-	-	5	2	242	473,676	-	-	8	2	162	319,277
SAND AND GRAVEL	-	-	-	-	-	-	-	5	5	492	575,938	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	12	8	921	1,386,184	-	-	9	2	221	438,975
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE																	
METAL	-	5	6	413	813,519	-	-	-	-	-	-	-	-	2	-	66	117,805
NONMETAL	-	-	-	-	-	-	-	-	-	84	124,477	-	-	2	-	160	315,328
STONE	-	-	-	137	256,969	-	1	9	-	1,297	2,251,214	-	-	7	9	1,155	2,429,812
SAND AND GRAVEL	-	-	-	-	-	-	-	4	1	296	556,241	-	-	-	-	-	-
TOTAL, M/NM	-	5	6	550	1,070,488	-	1	13	1	1,677	2,931,932	-	-	11	9	1,381	2,862,945
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3,837

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

JANUARY - DECEMBER 2024 (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		
<b>TEXAS</b>																	
METAL	-	-	-	-	-	-	-	-	-	11	7,479	-	-	-	-	11	23,818
NONMETAL	-	3	-	40	89,411	-	-	10	9	1,029	2,134,239	-	1	16	6	1,051	2,182,914
STONE	-	1	-	20	46,704	-	2	42	21	4,354	9,834,870	-	-	42	23	2,657	6,269,799
SAND AND GRAVEL	-	-	-	-	-	-	-	57	27	5,033	11,306,413	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	4	-	60	136,115	-	2	109	57	10,427	23,283,001	-	1	58	29	3,719	8,476,531
<b>COAL</b>	-	-	-	-	-	-	-	6	2	770	1,685,618	12,296,514	-	-	-	-	-
<b>UTAH</b>																	
METAL	-	1	-	117	177,279	-	-	18	4	1,294	2,783,159	-	-	4	10	710	1,503,080
NONMETAL	-	1	4	115	170,304	-	-	1	3	190	301,967	-	-	1	6	357	690,802
STONE	-	-	-	-	-	-	-	1	-	223	378,261	-	-	-	-	216	411,808
SAND AND GRAVEL	-	-	-	-	-	-	-	8	21	1,608	2,528,978	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	2	4	232	347,583	-	-	28	28	3,315	5,992,365	-	-	5	16	1,283	2,605,670
<b>COAL</b>	-	12	9	1,291	2,553,583	7,464,386	-	-	-	29	31,970	-	-	-	-	44	90,830
<b>VERMONT</b>																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	16	17,036	-	-	-	-	20	38,150
STONE	-	1	-	32	64,323	-	-	8	2	435	636,242	-	-	10	1	254	510,059
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	178	164,927	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	1	-	32	64,323	-	-	8	2	629	818,205	-	-	10	1	274	548,209
<b>COAL</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>VIRGIN ISLANDS OF THE U S</b>																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	13	26,164	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	-	-	-	-	-	-	-	-	13	26,164	-	-	-	-	-	-
<b>COAL</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>VIRGINIA</b>																	
METAL	-	-	-	-	-	-	-	-	-	4	3,013	-	-	-	-	52	18,145
NONMETAL	-	-	-	-	-	-	-	-	1	38	52,928	-	-	2	2	189	400,050
STONE	-	-	-	4	6,511	-	-	14	2	751	1,526,258	-	-	14	5	1,163	2,494,092
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	249	477,785	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	-	-	4	6,511	-	-	16	3	1,042	2,059,984	-	-	16	7	1,404	2,912,287
<b>COAL</b>	1	38	10	1,412	3,241,792	7,380,323	-	7	-	696	1,455,708	2,372,429	-	2	5	377	849,600

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

JANUARY - DECEMBER 2024 (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				
<b>WASHINGTON</b>																			
METAL	-	-	-	23	32,509	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	32	58,876	-	-	1	1	58	120,084	-	-
STONE	-	-	-	-	-	-	-	7	1	384	645,352	-	-	8	3	265	413,182	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	15	7	940	1,577,927	-	-	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	-	-	23	32,509	-	-	22	8	1,356	2,282,155	-	-	9	4	323	533,266	-	-
<b>COAL</b>	-	-	-	-	-	-	-	1	-	35	61,900	-	-	-	-	-	-	-	-
<b>WEST VIRGINIA</b>																			
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	104,856	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	13	25,411	-	-	1	1	100	246,305	-	-
STONE	-	3	-	114	259,693	-	-	3	1	242	482,732	-	-	2	-	335	666,710	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	26	42,104	-	-	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	3	-	114	259,693	-	-	3	1	281	550,247	-	-	3	1	472	1,017,871	-	-
<b>COAL</b>	3	358	117	9,773	22,764,900	62,865,353	1	34	13	2,765	6,302,241	16,900,932	-	15	8	1,928	4,196,179	-	-
<b>WISCONSIN</b>																			
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	2	2	452	835,309	-	-	2	4	257	509,032	-	-
STONE	-	-	-	-	-	-	-	20	7	1,084	1,992,752	-	-	12	1	492	1,054,091	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	15	6	1,140	1,591,063	-	-	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	-	-	-	-	-	-	37	15	2,676	4,419,124	-	-	14	5	749	1,563,123	-	-
<b>COAL</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>WYOMING</b>																			
METAL	-	-	-	-	-	-	-	-	-	1	575	-	-	-	-	-	-	-	-
NONMETAL	-	10	5	769	1,497,763	-	-	13	2	299	647,836	-	-	24	10	1,601	3,329,239	-	-
STONE	-	-	-	-	-	-	-	-	-	136	282,399	-	-	3	2	158	413,553	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	4	2	521	583,100	-	-	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	-	10	5	769	1,497,763	-	-	17	4	957	1,513,910	-	-	27	12	1,759	3,742,792	-	-
<b>COAL</b>	-	-	-	-	-	-	-	19	15	4,180	8,265,799	190,730,914	-	-	1	91	137,911	-	-
<b>NATION</b>																			
METAL	-	141	46	8,172	16,192,103	-	-	243	62	17,482	33,546,326	-	-	188	76	13,241	27,299,461	-	-
NONMETAL	1	42	19	2,691	5,269,282	-	1	86	46	7,198	13,959,140	-	1	150	68	11,588	24,035,403	-	-
STONE	-	43	20	2,688	5,750,239	-	6	430	164	31,594	62,525,627	5,280	-	450	181	27,336	58,705,722	-	-
SAND AND GRAVEL	-	-	-	-	-	-	4	329	163	35,119	60,656,890	-	-	-	-	-	-	-	-
<b>TOTAL, M/NM</b>	1	226	85	13,551	27,211,624	-	11	1,088	435	91,393	170,687,983	5,280	1	788	325	52,165	110,040,586	-	-
<b>COAL</b>	6	893	303	24,319	55,653,046	206,212,156	2	152	54	15,055	31,503,927	306,336,230	1	52	24	4,947	10,798,454	-	-

**Table 4. NUMBER OF OPERATOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION**  
**JANUARY - DECEMBER 2024 (FINAL)**

COAL										METAL									
	UNDERGROUND			SURFACE			PREPARATION PLANTS				UNDERGROUND			SURFACE			PREPARATION PLANTS		
Accident Classification	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	
Electrical	-	8	2	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Exploding vessels under pressure	-	1	4	-	5	1	-	2	-	-	3	-	-	1	-	-	-	-	
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Falling, rolling, or sliding material	-	5	-	-	1	-	-	-	-	-	-	1	-	1	1	-	-	-	
Fall of face, rib, pillar, side or highwall	-	29	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fall of roof or back	3	103	32	-	-	-	-	-	-	-	7	2	-	-	-	-	-	-	
Fire	-	-	-	-	3	-	-	-	-	-	-	-	-	-	1	-	-	1	
Handling material	-	299	115	-	38	23	-	15	9	-	54	15	-	55	20	-	82	29	
Handtools	-	40	52	-	8	8	-	4	2	-	11	10	-	17	10	-	21	13	
Nonpowered haulage	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	
Powered haulage	2	84	20	2	24	2	1	4	-	-	15	2	-	57	7	-	7	-	
HAULAGE TRUCKS	1	2	2	1	20	2	-	2	-	-	6	1	-	44	6	-	4	-	
FRONT-END LOADERS	1	25	12	1	4	-	1	2	-	-	3	1	-	8	-	-	-	-	
ALL OTHER Powered haulage	-	57	6	-	-	-	-	-	-	-	6	-	-	5	1	-	3	-	
Hoisting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ignition or explosion of gas or dust	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Machinery	1	117	49	-	19	11	-	4	7	-	11	9	-	25	12	-	16	11	
DOZER	-	-	-	-	7	3	-	-	1	-	-	-	-	4	-	-	-	1	
DRILL	-	2	-	-	2	1	-	-	-	-	3	3	-	1	-	-	2	3	
ALL OTHER Machinery	1	115	49	-	10	7	-	4	6	-	8	6	-	20	12	-	14	7	
Slip or fall of person	-	168	17	-	41	6	-	16	3	-	29	5	-	76	9	-	49	14	
Stepping or kneeling on object	-	19	2	-	3	1	-	2	-	-	2	-	-	4	-	-	2	-	
Striking or bumping	-	8	9	-	-	2	-	1	2	-	3	1	-	1	-	-	2	1	
Other	-	10	1	-	8	-	-	4	1	-	5	1	-	5	2	-	6	6	
Total	6	893	303	2	152	54	1	52	24	-	141	46	-	243	62	-	188	76	

**Table 4. NUMBER OF OPERATOR INJURIES BY MINERAL INDUSTRY, WORK LOCATION, AND ACCIDENT CLASSIFICATION**  
**JANUARY - DECEMBER 2024 (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	-	-	2	-	-	-	-	-	4	2	-	1	9	-	4	1
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Exploding vessels under pressure	-	-	-	-	-	2	-	1	-	-	1	-	-	1	1	-	2	-	-	3	-
Explosives and breaking agents	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	-	-	-	-	-	-	1	1	-	-	-	-	2	-	-	3	1	-	1	3
Fall of face, rib, pillar, side or highwall	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-
Fall of roof or back	-	2	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	3	-
Handling material	-	14	9	-	29	15	-	62	22	-	17	5	-	155	65	-	165	67	-	95	55
Handtools	-	2	4	-	10	10	-	19	10	-	3	7	-	49	33	-	59	43	-	36	37
Nonpowered haulage	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	2	2	-	1	1
<u>Powered haulage</u>	1	1	2	-	10	3	1	7	3	-	5	2	4	38	10	-	28	5	1	40	11
HAULAGE TRUCKS	-	-	-	-	5	2	-	4	1	-	1	2	3	23	6	-	9	3	-	14	4
FRONT-END LOADERS	1	-	1	-	4	1	-	2	1	-	3	-	1	11	4	-	12	2	1	24	7
ALL OTHER Powered haulage	-	1	1	-	1	-	1	1	1	-	1	-	-	4	-	-	7	-	-	2	-
Hoisting	-	1	-	-	-	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Machinery</u>	-	2	2	1	2	5	-	11	17	-	3	1	-	45	18	-	35	29	1	25	28
DOZER	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	3	1
DRILL	-	-	1	-	-	-	-	-	1	-	-	-	-	2	-	-	8	1	-	1	-
ALL OTHER Machinery	-	2	1	-	2	5	-	11	16	-	3	1	-	43	17	-	27	28	1	21	27
Slip or fall of person	-	14	2	-	27	6	-	38	9	-	10	4	1	106	26	-	120	14	-	98	14
Stepping or kneeling on object	-	1	-	-	3	2	-	3	-	-	1	-	-	7	-	-	12	1	-	8	-
Striking or bumping	-	-	-	-	-	-	-	1	1	-	-	-	-	4	2	-	4	2	-	4	3
Other	-	4	-	-	3	2	-	5	4	-	-	-	1	16	6	-	18	7	-	11	10
<b>Total</b>	<b>1</b>	<b>42</b>	<b>19</b>	<b>1</b>	<b>86</b>	<b>46</b>	<b>1</b>	<b>150</b>	<b>68</b>	<b>-</b>	<b>43</b>	<b>20</b>	<b>6</b>	<b>430</b>	<b>164</b>	<b>-</b>	<b>450</b>	<b>181</b>	<b>4</b>	<b>329</b>	<b>163</b>

TABLE 5. NUMBER OF CONTRACTOR INJURIES, INJURY-INCIDENT RATES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS, AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION  
JANUARY - DECEMBER 2024 (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
<b>BITUMINOUS COAL</b>											
UNDERGROUND MINES:											
UNDERGROUND	-	-	69	-	39	-	108	-	-	-	-
SURFACE AT UG	-	-	11	-	4	-	15	-	-	-	-
TOTAL, UNDERGROUND MINES	-	-	80	-	43	-	123	-	-	-	-
SURFACE MINES:											
STRIP MINES	1	-	33	-	12	-	46	-	-	-	-
AUGER MINES	-	-	-	-	-	-	-	-	-	-	-
CULM BANK	-	-	-	-	-	-	-	-	-	-	-
DREDGE	-	-	-	-	-	-	-	-	-	-	-
TOTAL, SURFACE MINES	1	-	33	-	12	-	46	-	-	-	-
TOTAL, PRODUCTION MINING	1	-	113	-	55	-	169	-	-	-	-
PREPARATION PLANTS	-	-	23	-	10	-	33	-	-	-	-
INDEPENDENT SHOPS OR YARDS	-	-	-	-	-	-	-	-	-	-	-
TOTAL, OTHER OPERATIONS	-	-	23	-	10	-	33	-	-	-	-
Total, BITUMINOUS COAL	1	-	136	-	65	-	202	-	-	-	-
<b>ANTHRACITE COAL</b>											
UNDERGROUND MINES:											
UNDERGROUND	-	-	-	-	-	-	-	-	-	-	-
SURFACE AT UG	-	-	-	-	-	-	-	-	-	-	-
TOTAL, UNDERGROUND MINES	-	-	-	-	-	-	-	-	-	-	-
SURFACE MINES:											
STRIP MINES	-	-	3	-	-	-	3	-	-	-	-
CULM BANK	-	-	-	-	-	-	-	-	-	-	-
DREDGE	-	-	-	-	-	-	-	-	-	-	-
TOTAL, SURFACE MINES	-	-	3	-	-	-	3	-	-	-	-
TOTAL, PRODUCTION MINING	-	-	3	-	-	-	3	-	-	-	-
PREPARATION PLANTS	-	-	-	-	-	-	-	-	-	-	-
INDEPENDENT SHOPS OR YARDS	-	-	-	-	-	-	-	-	-	-	-
TOTAL, OTHER OPERATIONS	-	-	-	-	-	-	-	-	-	-	-
Total, ANTHRACITE COAL	-	-	3	-	-	-	3	-	-	-	-
<b>ALL COAL</b>											
UNDERGROUND MINES:											
UNDERGROUND	-	-	69	2.536	39	1.433	108	3.969	4,148	5,441,871	975,415
SURFACE AT UG	-	-	11	0.497	4	0.181	15	0.677	4,737	4,428,911	-
TOTAL, UNDERGROUND MINES	-	-	80	1.621	43	0.871	123	2.492	8,885	9,870,782	975,415
SURFACE MINES:											
STRIP MINES	1	0.024	36	0.860	12	0.287	49	1.170	7,259	8,374,847	69,566
AUGER MINES	-	-	-	-	-	-	-	-	61	43,258	-
CULM BANK	-	-	-	-	-	-	-	-	237	344,646	502,398
DREDGE	-	-	-	-	-	-	-	-	26	12,688	-
TOTAL, SURFACE MINES	1	0.023	36	0.820	12	0.273	49	1.117	7,583	8,775,439	571,964
TOTAL, PRODUCTION MINING	1	0.011	116	1.244	55	0.590	172	1.845	16,468	18,646,221	1,547,379
PREPARATION PLANTS	-	-	23	1.094	10	0.476	33	1.570	3,970	4,202,956	-
INDEPENDENT SHOPS/YARDS	-	-	-	-	-	-	-	-	91	233,102	-
TOTAL, OTHER OPERATIONS	-	-	23	1.037	10	0.451	33	1.488	4,061	4,436,058	-
Total, ALL COAL	1	0.009	139	1.204	65	0.563	205	1.776	20,529	23,082,279	1,547,379
<b>OFFICEWORKERS</b>											
BITUMINOUS COAL	-	-	1	-	-	-	1	-	-	-	-
ANTHRACITE COAL	-	-	-	-	-	-	-	-	-	-	-
TOTAL, OFFICEWORKERS	-	-	1	0.368	-	-	1	0.368	509	543,326	-
<b>GRAND TOTAL</b>	1	0.008	140	1.185	65	0.550	206	1.744	21,038	23,625,605	1,547,379

TABLE 6. NUMBER OF CONTRACTOR INJURIES, INJURY-INCIDENT RATES, AVERAGE NUMBER OF EMPLOYEES, AND EMPLOYEE HOURS BY WORK LOCATION AND MINERAL INDUSTRY  
JANUARY - DECEMBER 2024 (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	-	-	22	0.480	22	0.480	44	0.961	-	-
NONMETAL	-	-	1	-	1	-	2	-	-	-
STONE	-	-	7	-	3	-	10	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, UNDERGROUND MINES	-	-	30	0.655	26	0.568	56	1.222	8,318	9,161,754
SURFACE MINES	-	-	-	-	-	-	-	-	-	-
METAL	-	-	60	0.233	24	0.093	84	0.327	-	-
NONMETAL	-	-	15	-	8	-	23	-	-	-
STONE	3	-	69	-	34	-	106	-	-	-
SAND AND GRAVEL	-	-	15	-	11	-	26	-	-	-
TOTAL, SURFACE MINES	3	-	159	0.618	77	0.299	239	0.929	47,809	51,446,946
TOTAL, MINES	3	0.010	189	0.624	103	0.340	295	0.973	56,127	60,608,700
MILLS	-	-	-	-	-	-	-	-	-	-
METAL	1	-	26	0.221	27	0.230	54	0.460	-	-
NONMETAL	-	-	3	-	9	-	12	-	-	-
STONE	1	-	38	-	26	-	65	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, MILLS	2	-	67	0.570	62	0.528	131	1.115	19,558	23,497,388
INDEPENDENT SHOPS AND YARDS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, INDEPENDENT SHOPS AND YARDS	-	-	-	-	-	-	-	-	14	13,404
ALL MINES, MILLS AND SHOPS	-	-	-	-	-	-	-	-	-	-
METAL	1	-	108	0.257	73	0.174	182	0.433	-	-
NONMETAL	-	-	19	-	18	-	37	-	-	-
STONE	4	-	114	-	63	-	181	-	-	-
SAND AND GRAVEL	-	-	15	-	11	-	26	-	-	-
TOTAL, ALL MINES, MILLS AND SHOPS	5	0.012	256	0.609	165	0.392	426	1.013	75,699	84,119,492
OFFICEWORKERS	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	1	0.064	1	0.064	-	-
NONMETAL	-	-	1	-	-	-	1	-	-	-
STONE	-	-	1	-	1	-	2	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-
TOTAL, OFFICEWORKERS	-	-	2	0.128	2	0.128	4	0.256	2,447	3,121,791
SUMMARY TOTAL (INCLUDING OFFICEWORKERS)	-	-	-	-	-	-	-	-	-	-
METAL	1	-	108	0.248	74	0.170	183	0.420	-	-
NONMETAL	-	-	20	-	18	-	38	-	-	-
STONE	4	-	115	-	64	-	183	-	-	-
SAND AND GRAVEL	-	-	15	-	11	-	26	-	-	-
GRAND TOTAL	5	0.011	258	0.591	167	0.383	430	0.986	78,146	87,241,283

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

JANUARY - DECEMBER 2024 (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	-	-	-	-	-	-	-	2	-	-	-	-	-	4	3	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	3	1	-	-	-	-	4	3	-	-
COAL	-	6	4	-	-	-	-	-	-	-	-	-	-	1	2	-	-
ALASKA																	
METAL	-	4	4	-	-	-	-	1	2	-	-	-	-	1	6	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	4	4	-	-	-	-	1	2	-	-	-	-	1	6	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA																	
METAL	-	2	1	-	-	-	-	21	8	-	-	-	-	9	9	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	1	-	-	-	-	23	10	-	-	-	-	9	9	-	-
COAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
ARKANSAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	1	-	-	-	-	1	2	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	1	-	-	-	-	1	2	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA																	
METAL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	3	3	-	-	-	-	2	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	6	5	-	-	-	-	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 2024 (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		
COLORADO																	
METAL	-	2	-	-	-	-	-	13	3	-	-	-	-	2	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	-	-	-	-	-	14	3	-	-	-	-	3	-	-	-
COAL	-	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONNECTICUT																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA																	
METAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	8	3	-	-	-	-	5	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	14	3	-	-	-	-	5	-	-	-
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 2024 (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	-	-	-	-	-	-	-	2	-	-	-	-	-	-	3	-	-
STONE	-	-	-	-	-	-	-	11	4	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	13	4	-	-	-	-	-	3	-	-
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	-	-	-	-	1	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	2	-	-	-	-	1	2	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
COAL	-	6	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 2024 (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	-	-	-	-	-	-	1	1	2	-	-	-	-	-	2	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	1	2	-	-	-	-	-	2	-	-
COAL	-	1	1	-	-	-	-	2	1	-	-	-	-	-	1	-	-
IOWA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	2	-	-	-	-	-	2	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KANSAS																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENTUCKY																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	2	1	-	-	-	-	1	3	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	1	-	-	-	-	1	3	-	-	-	-	-	-	-	-
COAL	-	2	1	-	-	-	-	1	-	-	-	-	-	2	1	-	-
LOUISIANA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

JANUARY - DECEMBER 2024 (FINAL)

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

JANUARY - DECEMBER 2024 (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	Fatal	NFDL	NDL	AVG # EMP	EMP HRS
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	2	1	-	-	-	-	1	2	-	-	-	-	3	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	5	2	-	-	-	-	1	2	-	-	-	-	3	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
COAL	-	2	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	7	10	-	-	-	-	10	2	-	-	-	-	2	5	-	-
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	7	10	-	-	-	-	10	2	-	-	-	-	3	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 2024 (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		
<b>NEW HAMPSHIRE</b>																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL, M/MM</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>COAL</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>NEW JERSEY</b>																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<b>TOTAL, M/MM</b>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<b>COAL</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>NEW MEXICO</b>																	
METAL	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL, M/MM</b>	-	-	-	-	-	-	-	5	-	-	-	-	-	-	1	-	-
<b>COAL</b>	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
<b>NEW YORK</b>																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL, M/MM</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-
<b>COAL</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>NORTH CAROLINA</b>																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	2	1	-	-	-	-	-	1	1	-
STONE	-	-	-	-	-	-	-	6	2	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
<b>TOTAL, M/MM</b>	-	-	-	-	-	-	-	9	4	-	-	-	-	-	1	1	-
<b>COAL</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION  
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY  
JANUARY - DECEMBER 2024 (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
<b>NORTH DAKOTA</b>																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>OHIO</b>																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	3	-	-	-	-	-	1	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	1	-	-	-	-	4	-	-	-	-	-	1	-	-	-
COAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
<b>OKLAHOMA</b>																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	1	4	1	-	-	-	-	1	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	4	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	1	5	5	-	-	-	-	1	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>OREGON</b>																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>PENNSYLVANIA</b>																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	2	-	-	-	-	1	6	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	2	-	-	-	-	1	6	-	-	-	-	-	-	-	-	-
BITUMINOUS COAL	-	24	11	-	-	-	-	2	-	-	-	-	-	3	2	-	-
ARTHRACTIC COAL	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
COAL	-	24	11	-	-	-	-	5	-	-	-	-	-	3	2	-	-

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

JANUARY - DECEMBER 2024 (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		
PUERTO RICO																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/MM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RHODE ISLAND																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/MM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA																	
METAL	-	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/MM	-	-	1	-	-	-	-	1	1	-	-	-	-	-	2	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA																	
METAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/MM	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	1	-	-	-	-	-	4	3	-	-	-	-	2	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/MM	-	1	-	-	-	-	-	4	3	-	-	-	-	2	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 7. NUMBER OF CONTRACTOR INJURIES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE HOURS AND COAL PRODUCTION  
BY WORK LOCATION, STATE, AND MINERAL INDUSTRY  
JANUARY - DECEMBER 2024 (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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	4	2	-	-	-	-	1	-	-	-
STONE	-	-	-	-	-	-	-	7	1	-	-	-	1	6	7	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	3	2	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	14	5	-	-	-	1	7	7	-	-
COAL	-	-	-	-	-	-	-	3	2	-	-	-	-	-	-	-	-
UTAH																	
METAL	-	3	-	-	-	-	-	2	3	-	-	-	-	-	1	-	-
NONMETAL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	3	-	-	-	-	-	3	6	-	-	-	-	-	1	-	-
COAL	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	4	2	-	-	-	-	2	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	5	3	-	-	-	-	2	1	-	-
COAL	-	4	4	-	-	-	-	1	-	-	-	-	-	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 2024 (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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
COAL	-	30	16	-	-	-	1	10	2	-	-	-	-	8	4	-	-
WISCONSIN																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	-	-	-	-	-	-	1	1	-	-	-	-	2	-	-	-
COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING																	
METAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMETAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
STONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
COAL	-	-	-	-	-	-	-	10	5	-	-	-	-	3	-	-	-
NATION																	
METAL	-	22	22	-	-	-	-	60	24	-	-	-	1	26	27	-	-
NONMETAL	-	1	1	-	-	-	-	15	8	-	-	-	-	3	9	-	-
STONE	-	7	2	-	-	-	3	69	34	-	-	-	1	38	26	-	-
SAND AND GRAVEL	-	-	-	-	-	-	-	15	11	-	-	-	-	-	-	-	-
TOTAL, M/NM	-	30	25	8,318	9,161,754	-	3	159	77	47,809	51,446,946	-	2	67	62	19,572	23,510,792
COAL	-	81	43	8,885	9,870,782	975,415	1	36	12	7,583	8,775,439	571,964	-	23	10	4,061	4,436,058

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

**JANUARY - DECEMBER 2024 (FINAL)**

COAL										METAL									
	UNDERGROUND			SURFACE			PREPARATION PLANTS				UNDERGROUND			SURFACE			PREPARATION PLANTS		
Accident Classification	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	FATAL	NFDL	NDL	
Electrical	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Exploding vessels under pressure	-	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Falling, rolling, or sliding material	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	
Fall of face, rib, pillar, side or highwall	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
Fall of roof or back	-	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fire	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	
Handling material	-	25	19	-	11	4	-	7	2	-	7	6	-	21	6	-	7	8	
Handtools	-	15	7	-	2	2	-	1	2	-	4	4	-	2	6	-	2	7	
Nonpowered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Powered haulage	-	16	-	-	3	2	-	1	-	-	2	1	-	6	1	-	1	-	
HAULAGE TRUCKS	-	4	-	-	2	1	-	1	-	-	1	-	-	4	1	-	-	-	
FRONT-END LOADERS	-	5	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1	-	
ALL OTHER Powered haulage	-	7	-	-	1	1	-	-	-	-	-	1	-	1	-	-	-	-	
Hoisting	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	
Ignition or explosion of gas or dust	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Machinery	-	9	7	1	6	3	-	2	3	-	1	4	-	6	5	-	3	9	
DOZER	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
DRILL	-	2	-	-	1	-	-	-	-	-	1	-	-	2	-	-	-	-	
ALL OTHER Machinery	-	7	7	1	5	3	-	2	3	-	-	3	-	4	5	-	3	9	
Slip or fall of person	-	8	6	-	11	1	-	7	3	-	6	5	-	21	1	1	10	2	
Stepping or kneeling on object	-	-	-	-	1	-	-	1	-	-	1	1	-	-	1	-	1	-	
Striking or bumping	-	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	
Other	-	-	-	-	2	-	-	1	-	-	-	-	-	2	2	-	1	-	
Total	-	80	43	1	36	12	-	23	10	-	22	22	-	60	24	1	26	27	

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

**JANUARY - DECEMBER 2024 (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	5	-	-	-	-
Entrapment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploding vessels under pressure	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-
Explosives and breaking agents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling, rolling, or sliding material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Fall of face, rib, pillar, side or highwall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fall of roof or back	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Handling material	-	1	-	-	3	3	-	1	1	-	2	1	-	23	16	-	14	12	-	3	2
Handtools	-	-	1	-	-	2	-	1	1	-	-	1	-	8	7	-	4	4	-	2	3
Nonpowered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-
<u>Powered haulage</u>	-	-	-	-	1	1	-	1	1	-	1	-	-	7	3	-	1	-	-	1	1
HAULAGE TRUCKS	-	-	-	-	1	1	-	1	-	-	1	-	-	5	1	-	1	-	-	1	-
FRONT-END LOADERS	-	-	-	-	-	-	-	-	1	-	-	-	-	2	2	-	-	-	-	-	1
ALL OTHER Powered haulage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoisting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ignition or explosion of gas or dust	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Impoundment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inundation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Machinery</u>	-	-	-	-	1	1	-	-	3	-	2	-	-	7	4	-	5	3	-	4	2
DOZER	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
DRILL	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	1	-	-	-
ALL OTHER Machinery	-	-	-	-	-	1	-	-	3	-	2	-	-	4	3	-	5	2	-	4	2
Slip or fall of person	-	-	-	-	8	1	-	-	3	-	1	-	1	15	4	-	5	3	-	3	2
Stepping or kneeling on object	-	-	-	-	-	-	-	-	-	-	1	-	-	3	-	-	-	-	-	1	-
Striking or bumping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Other	-	-	-	-	1	-	-	-	-	-	-	-	1	3	-	-	1	1	-	-	1
<b>Total</b>	-	1	1	-	15	8	-	3	9	-	7	2	3	69	34	1	38	26	-	15	11