

NMA - MSHA State Employment And Operations Report 2017



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National Mining Association's NMA – MSHA State Employment and Operations Report Final 2017 Data

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NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Alabama

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	44	2,674
	Total:	44	2,674
Metals	Aluminum Ore	2	7
	Iron Ore	1	27
	Total:	3	34
Non-metals*	Clay (Common)	6	129
	Clay (Fire)	3	106
	Clay, Ceramic & Refractory, NEC	6	65
	Shale (Common)	4	12
	Total:	19	312
Sand & Gravel	Sand & Gravel	53	526
	Total:	53	526
Stone	Cement	5	597
	Granite (Crushed & Broken)	3	65
	Granite (Dimension)	2	23
	Lime	6	433
	Limestone (Crushed & Broken)	46	792
	Limestone (Dimension)	1	23
	Marble (Crushed & Broken)	2	332
	Marble (Dimension)	1	5
	Sandstone (Crushed & Broken)	3	41
	Sandstone (Dimension)	2	36
	Slate (Crushed & Broken)	2	11
	Stone, Crushed & Broken, NEC	5	37
	Stone, Dimension NEC	1	5
	Total:	79	2,400
	Operators State Total:	198	5,946
<u>Contractors **</u>			
Coal			797
Metal and Nonmetal			2,269
<u>Operator & Contractor Totals</u>			
Coal		-	3,471
Metal and Nonmetal		-	5,541
	Total:	-	9,012

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Alaska

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	2	104
	Total:	2	104
Metals	Gold (Lode and Placer)	47	1,635
	Lead and/or Zinc Ore	1	270
	Silver Ores	1	424
	Total:	49	2,329
Sand & Gravel	Sand & Gravel	88	458
	Total:	88	458
Stone	Granite (Crushed & Broken)	1	6
	Limestone (Crushed & Broken)	1	2
	Stone, Crushed & Broken, NEC	20	108
	Stone, Dimension NEC	1	5
	Traprock (Crushed & Broken)	1	6
	Total:	24	127
Operators State Total:		163	3,018
<u>Contractors **</u>			
Coal			0
Metal and Nonmetal			410
<u>Operator & Contractor Totals</u>			
Coal		-	104
Metal and Nonmetal		-	3,324
	Total:	-	3,428

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Arizona

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	1	402
	Total:	1	402
Metals	Copper Ore	18	8,297
	Gold (Lode and Placer)	10	89
	Iron Ore	1	3
	Uranium	1	25
	Total:	30	8,414
Non-metals*	Chemical and Fertilizer, NEC	2	2
	Gemstones	1	10
	Gypsum	3	21
	Nonmetallic Minerals, NEC	1	7
	Perlite	1	6
	Total:	8	46
Sand & Gravel	Sand & Gravel	175	1,469
	Total:	175	1,469
Stone	Cement	3	356
	Granite (Crushed & Broken)	11	102
	Granite (Dimension)	1	3
	Lime	2	88
	Limestone (Crushed & Broken)	2	22
	Marble (Crushed & Broken)	1	24
	Marble (Dimension)	1	4
	Sandstone (Crushed & Broken)	2	43
	Sandstone (Dimension)	8	58
	Stone, Crushed & Broken, NEC	26	151
	Stone, Dimension NEC	11	52
	Total:	68	903
	Operators State Total:	282	11,234
<u>Contractors **</u>			
Coal			293
Metal and Nonmetal			4,792
<u>Operator & Contractor Totals</u>			
Coal		-	695
Metal and Nonmetal		-	15,624
	Total:	-	16,319

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Arkansas

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	4	74
	Total:	4	74
Metals	Alumina (Mill)	1	143
	Aluminum Ore	4	150
	Vanadium	1	36
	Total:	6	329
Non-metals*	Clay (Common)	1	3
	Clay (Fire)	2	10
	Gemstones	6	16
	Gypsum	1	74
	Total:	10	103
Sand & Gravel	Sand & Gravel	36	342
	Total:	36	342
Stone	Cement	1	143
	Granite (Crushed & Broken)	3	315
	Lime	1	31
	Limestone (Crushed & Broken)	39	501
	Limestone (Dimension)	3	51
	Sandstone (Crushed & Broken)	16	353
	Sandstone (Dimension)	2	43
	Slate (Crushed & Broken)	1	20
	Stone, Crushed & Broken, NEC	16	143
	Stone, Dimension NEC	10	88
	Traprock (Crushed & Broken)	1	41
	Total:	93	1,729
Operators State Total:		149	2,577
<u>Contractors **</u>			
Coal			4
Metal and Nonmetal			625
<u>Operator & Contractor Totals</u>			
Coal		-	78
Metal and Nonmetal		-	3,128
	Total:	-	3,206

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

California

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Metals	Gold (Lode and Placer)	9	640
	Iron Ore	3	10
	Rare Earths	1	107
	Total:	13	757
Non-metals*	Boron Minerals	1	626
	Chemical and Fertilizer, NEC	1	2
	Clay (Common)	6	149
	Clay (Fire)	1	7
	Clay, Ceramic & Refractory, NEC	4	57
	Gemstones	3	7
	Gypsum	6	82
	Nonmetallic Minerals, NEC	5	242
	Potash	1	3
	Pumice	4	23
	Trona	1	9
Total:	33	1,207	
Sand & Gravel	Sand & Gravel	264	3,111
	Total:	264	3,111
Stone	Cement	9	1,300
	Granite (Crushed & Broken)	10	184
	Granite (Dimension)	1	5
	Lime	1	59
	Limestone (Crushed & Broken)	9	218
	Limestone (Dimension)	1	7
	Marble (Crushed & Broken)	1	4
	Sandstone (Crushed & Broken)	1	16
	Slate (Crushed & Broken)	4	10
	Stone, Crushed & Broken, NEC	80	905
	Stone, Dimension NEC	8	76
	Traprock (Crushed & Broken)	3	14
	Traprock (Dimension)	1	6
Total:	129	2,804	
Operators State Total:		439	7,879
<u>Contractors **</u>			
Coal			58
Metal and Nonmetal			3,025
<u>Operator & Contractor Totals</u>			
Coal		-	58
Metal and Nonmetal		-	10,904
Total:		-	10,962

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Colorado

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	13	1,273
	Total:	13	1,273
Metals	Gold (Lode and Placer)	12	687
	Molybdenum	2	689
	Silver Ores	2	25
	Total:	16	1,401
Non-metals*	Clay (Common)	2	6
	Clay (Fire)	1	3
	Gemstones	2	6
	Gypsum	3	18
	Perlite	2	10
	Shale (Common)	2	37
	Total:	12	80
Sand & Gravel	Sand & Gravel	257	1,232
	Total:	257	1,232
Stone	Cement	3	328
	Granite (Crushed & Broken)	2	80
	Granite (Dimension)	1	6
	Limestone (Crushed & Broken)	3	20
	Limestone (Dimension)	3	38
	Marble (Crushed & Broken)	1	5
	Marble (Dimension)	1	34
	Sandstone (Crushed & Broken)	4	46
	Sandstone (Dimension)	9	111
	Stone, Crushed & Broken, NEC	15	121
	Stone, Dimension NEC	8	108
	Total:	50	897
	Operators State Total:	348	4,883
<u>Contractors **</u>			
Coal			364
Metal and Nonmetal			1,895
<u>Operator & Contractor Totals</u>			
Coal		-	1,637
Metal and Nonmetal		-	5,505
	Total:	-	7,142

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Connecticut

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Sand & Gravel	Sand & Gravel	57	275
	Total:	57	275
Stone	Granite (Crushed & Broken)	5	27
	Limestone (Crushed & Broken)	6	93
	Marble (Crushed & Broken)	1	5
	Stone, Crushed & Broken, NEC	18	128
	Stone, Dimension NEC	8	46
	Traprock (Crushed & Broken)	8	226
	Total:	46	525
Operators State Total:		103	800
<u>Contractors **</u>			
Coal			5
Metal and Nonmetal			162
<u>Operator & Contractor Totals</u>			
Coal		-	5
Metal and Nonmetal		-	962
	Total:	-	967

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Delaware

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Metals	Manganese	1	30
	Total:	1	30
Sand & Gravel	Sand & Gravel	8	63
	Total:	8	63
Operators State Total:		9	93
<u>Contractors **</u>			
Coal			14
Metal and Nonmetal			19
<u>Operator & Contractor Totals</u>			
Coal		-	14
Metal and Nonmetal		-	112
	Total:	-	126

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Florida

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Metals	Titanium	2	210
	Total:	2	210
Non-metals*	Clay (Common)	2	132
	Clay, Ceramic & Refractory, NEC	1	30
	Leonardite	1	18
	Nonmetallic Minerals, NEC	8	99
	Phosphate Rock	6	1,266
	Total:	18	1,545
Sand & Gravel	Sand & Gravel	23	234
	Total:	23	234
Stone	Cement	8	683
	Lime	2	11
	Limestone (Crushed & Broken)	79	1,757
	Limestone (Dimension)	2	14
	Sandstone (Crushed & Broken)	1	10
	Stone, Crushed & Broken, NEC	1	10
	Total:	93	2,485
Operators State Total:		136	4,474
<u>Contractors **</u>			
Coal			253
Metal and Nonmetal			3,116
<u>Operator & Contractor Totals</u>			
Coal		-	253
Metal and Nonmetal		-	7,590
	Total:	-	7,843

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Georgia

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Non-metals*	Barite	1	48
	Chemical and Fertilizer, NEC	1	8
	Clay (Common)	31	2,518
	Clay (Fire)	2	20
	Clay, Ceramic & Refractory, NEC	2	12
	Mica	2	56
	Nonmetallic Minerals, NEC	1	70
	Shale (Common)	1	2
	Total:	41	2,734
Sand & Gravel	Sand & Gravel	17	179
		Total:	17
Stone	Cement	2	172
	Granite (Crushed & Broken)	54	1,069
	Granite (Dimension)	6	42
	Lime	2	21
	Limestone (Crushed & Broken)	6	113
	Marble (Crushed & Broken)	6	369
	Marble (Dimension)	2	27
	Sandstone (Crushed & Broken)	2	49
	Slate (Crushed & Broken)	1	7
	Slate (Dimension)	1	3
	Stone, Crushed & Broken, NEC	9	204
	Stone, Dimension NEC	23	181
	Total:	114	2,257
Operators State Total:		172	5,170
<u>Contractors **</u>			
Coal			73
Metal and Nonmetal			3,005
<u>Operator & Contractor Totals</u>			
Coal		-	73
Metal and Nonmetal		-	8,175
	Total:	-	8,248

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Hawaii

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Sand & Gravel	Sand & Gravel	15	73
	Total:	15	73
Stone	Stone, Crushed & Broken, NEC	18	150
	Stone, Dimension NEC	1	40
	Traprock (Crushed & Broken)	4	140
	Total:	23	330
	Operators State Total:	38	403
<u>Contractors **</u>			
Coal			0
Metal and Nonmetal			56
<u>Operator & Contractor Totals</u>			
Coal		-	0
Metal and Nonmetal		-	459
	Total:	-	459

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Idaho

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Metals	Cobalt	2	16
	Gold (Lode and Placer)	5	23
	Lead and/or Zinc Ore	1	6
	Molybdenum	1	53
	Silver Ores	4	379
	Total:		13
Non-metals*	Clay (Common)	1	5
	Gemstones	1	21
	Nonmetallic Minerals, NEC	3	41
	Phosphate Rock	4	428
	Pumice	3	71
	Total:		12
Sand & Gravel	Sand & Gravel	154	769
Total:		154	769
Stone	Limestone (Crushed & Broken)	3	27
	Limestone (Dimension)	1	12
	Sandstone (Crushed & Broken)	1	12
	Sandstone (Dimension)	1	4
	Slate (Dimension)	1	38
	Stone, Crushed & Broken, NEC	19	119
	Stone, Dimension NEC	6	118
	Traprock (Crushed & Broken)	1	2
	Traprock (Dimension)	1	3
Total:		34	335
Operators State Total:		213	2,147
<u>Contractors **</u>			
Coal			61
Metal and Nonmetal			1,002
<u>Operator & Contractor Totals</u>			
Coal		-	61
Metal and Nonmetal		-	3,149
Total:		-	3,210

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Illinois

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	34	3,287
	Total:	34	3,287
Metals	Metal Ores, NEC	1	20
	Total:	1	20
Non-metals*	Clay (Common)	1	29
	Fluorspar	1	9
	Total:	2	38
Sand & Gravel	Sand & Gravel	91	567
	Total:	91	567
Stone	Cement	3	276
	Limestone (Crushed & Broken)	119	1,680
	Limestone (Dimension)	3	11
	Sandstone (Crushed & Broken)	1	82
	Stone, Dimension NEC	1	5
	Total:	127	2,054
Operators State Total:		255	5,966
<u>Contractors **</u>			
Coal			950
Metal and Nonmetal			1,525
<u>Operator & Contractor Totals</u>			
Coal		-	4,237
Metal and Nonmetal		-	4,204
	Total:	-	8,441

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Indiana

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	34	2,850
	Total:	34	2,850
Metals	Iron Ore	1	3
	Total:	1	3
Non-metals*	Clay (Common)	2	7
	Gypsum	1	37
	Nonmetallic Minerals, NEC	2	10
	Shale (Common)	3	45
	Total:	8	99
Sand & Gravel	Sand & Gravel	119	685
	Total:	119	685
Stone	Cement	4	560
	Lime	2	83
	Limestone (Crushed & Broken)	89	1,423
	Limestone (Dimension)	16	235
	Stone, Crushed & Broken, NEC	1	9
	Stone, Dimension NEC	3	13
	Total:	115	2,323
Operators State Total:		277	5,960
<u>Contractors **</u>			
Coal			1,101
Metal and Nonmetal			1,285
<u>Operator & Contractor Totals</u>			
Coal		-	3,951
Metal and Nonmetal		-	4,395
	Total:	-	8,346

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Iowa

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Metals	Metal Ores, NEC	1	12
	Total:	1	12
Non-metals*	Clay (Common)	2	9
	Clay, Ceramic & Refractory, NEC	1	2
	Gypsum	8	156
	Total:	11	167
Sand & Gravel	Sand & Gravel	139	642
	Total:	139	642
Stone	Cement	2	228
	Lime	1	75
	Limestone (Crushed & Broken)	143	1,543
	Limestone (Dimension)	5	42
	Stone, Crushed & Broken, NEC	5	40
	Total:	156	1,928
Operators State Total:		307	2,749
<u>Contractors **</u>			
Coal			1
Metal and Nonmetal			1,038
<u>Operator & Contractor Totals</u>			
Coal		-	1
Metal and Nonmetal		-	3,787
	Total:	-	3,788

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Kansas

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Non-metals*	Clay (Fire)	2	8
	Gypsum	3	64
	Potash, Soda & Borate Min'ls NEC	1	11
	Pumice	1	5
	Salt (Rock)	3	161
	Total:	10	249
Sand & Gravel	Sand & Gravel	91	378
	Total:	91	378
Stone	Cement	2	278
	Granite (Crushed & Broken)	1	2
	Limestone (Crushed & Broken)	72	582
	Limestone (Dimension)	13	76
	Sandstone (Crushed & Broken)	1	7
	Stone, Crushed & Broken, NEC	4	45
	Stone, Dimension NEC	14	60
	Total:	107	1,050
Operators State Total:		208	1,677
<u>Contractors **</u>			
Coal			10
Metal and Nonmetal			828
<u>Operator & Contractor Totals</u>			
Coal		-	10
Metal and Nonmetal		-	2,505
	Total:	-	2,515

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Kentucky

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	265	7,019
	Total:	265	7,019
Non-metals*	Clay (Common)	1	1
	Clay, Ceramic & Refractory, NEC	3	54
	Fluorspar	1	4
	Oil Sand	1	1
	Shale (Common)	3	32
	Total:	9	92
Sand & Gravel	Sand & Gravel	16	133
	Total:	16	133
Stone	Cement	1	156
	Lime	3	204
	Limestone (Crushed & Broken)	86	1,910
	Sandstone (Crushed & Broken)	1	30
	Stone, Crushed & Broken, NEC	2	31
	Total:	93	2,331
Operators State Total:		383	9,575
<u>Contractors **</u>			
Coal			3,139
Metal and Nonmetal			1,188
<u>Operator & Contractor Totals</u>			
Coal		-	10,158
Metal and Nonmetal		-	3,744
	Total:	-	13,902

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Louisiana

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	2	324
	Total:	2	324
Metals	Alumina (Mill)	2	788
	Total:	2	788
Non-metals*	Barite	5	63
	Clay (Fire)	3	65
	Nonmetallic Minerals, NEC	1	62
	Salt (Rock)	3	501
	Total:	12	691
Sand & Gravel	Sand & Gravel	77	515
	Total:	77	515
Stone	Stone, Crushed & Broken, NEC	4	26
	Total:	4	26
Operators State Total:		97	2,344
<u>Contractors **</u>			
Coal			239
Metal and Nonmetal			1,592
<u>Operator & Contractor Totals</u>			
Coal		-	563
Metal and Nonmetal		-	3,612
	Total:	-	4,175

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Maine

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Non-metals*	Clay, Ceramic & Refractory, NEC	1	2
	Gemstones	1	4
	Total:	2	6
Sand & Gravel	Sand & Gravel	219	765
	Total:	219	765
Stone	Cement	1	101
	Granite (Crushed & Broken)	2	30
	Granite (Dimension)	3	14
	Limestone (Crushed & Broken)	4	39
	Stone, Crushed & Broken, NEC	17	87
	Stone, Dimension NEC	5	17
	Traprock (Crushed & Broken)	2	28
	Total:	34	316
Operators State Total:		255	1,087
<u>Contractors **</u>			
Coal			0
Metal and Nonmetal			96
<u>Operator & Contractor Totals</u>			
Coal		-	0
Metal and Nonmetal		-	1,183
	Total:	-	1,183

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Maryland

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	18	312
	Total:	18	312
Non-metals*	Shale (Common)	2	2
	Total:	2	2
Sand & Gravel	Sand & Gravel	23	296
	Total:	23	296
Stone	Cement	2	254
	Granite (Crushed & Broken)	5	135
	Granite (Dimension)	1	8
	Limestone (Crushed & Broken)	13	337
	Sandstone (Crushed & Broken)	2	6
	Sandstone (Dimension)	2	14
	Stone, Crushed & Broken, NEC	1	32
	Stone, Dimension NEC	3	33
	Traprock (Crushed & Broken)	2	80
	Total:	31	899
Operators State Total:		74	1,509
<u>Contractors **</u>			
Coal			1,937
Metal and Nonmetal			821
<u>Operator & Contractor Totals</u>			
Coal		-	2,249
Metal and Nonmetal		-	2,018
	Total:	-	4,267

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Massachusetts

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Non-metals*	Clay (Common)	1	3
	Nonmetallic Minerals, NEC	1	3
	Shale (Common)	1	12
	Total:	3	18
Sand & Gravel	Sand & Gravel	97	424
	Total:	97	424
Stone	Granite (Crushed & Broken)	5	79
	Lime	2	169
	Limestone (Crushed & Broken)	2	22
	Slate (Dimension)	1	6
	Stone, Crushed & Broken, NEC	17	133
	Stone, Dimension NEC	10	106
	Traprock (Crushed & Broken)	14	197
	Total:	51	712
Operators State Total:		151	1,154
<u>Contractors **</u>			
Coal			4
Metal and Nonmetal			381
<u>Operator & Contractor Totals</u>			
Coal		-	4
Metal and Nonmetal		-	1,535
Total:		-	1,539

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Michigan

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Metals	Chromite	1	4
	Iron Ore	6	860
	Nickel	2	210
	Total:	9	1,074
Non-metals*	Gypsum	2	25
	Oil Shale	1	4
	Salt (Rock)	1	58
	Total:	4	87
Sand & Gravel	Sand & Gravel	359	1,515
	Total:	359	1,515
Stone	Cement	3	401
	Lime	2	59
	Limestone (Crushed & Broken)	18	524
	Sandstone (Dimension)	1	6
	Stone, Crushed & Broken, NEC	2	8
	Stone, Dimension NEC	1	2
	Total:	27	1,000
Operators State Total:		399	3,676
<u>Contractors **</u>			
Coal			4
Metal and Nonmetal			1,380
<u>Operator & Contractor Totals</u>			
Coal		-	4
Metal and Nonmetal		-	5,056
Total:		-	5,060

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Minnesota

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Metals	Copper Ore	1	29
	Iron Ore	12	3,582
	Total:	13	3,611
Non-metals*	Clay (Common)	1	2
	Gemstones	1	5
	Total:	2	7
Sand & Gravel	Sand & Gravel	496	1,772
	Total:	496	1,772
Stone	Granite (Crushed & Broken)	9	97
	Granite (Dimension)	7	43
	Limestone (Crushed & Broken)	32	182
	Limestone (Dimension)	3	44
	Sandstone (Crushed & Broken)	2	109
	Stone, Crushed & Broken, NEC	11	37
	Stone, Dimension NEC	2	9
	Total:	66	521
Operators State Total:		577	5,911
<u>Contractors **</u>			
Coal			76
Metal and Nonmetal			2,477
<u>Operator & Contractor Totals</u>			
Coal		-	76
Metal and Nonmetal		-	8,388
	Total:	-	8,464

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Mississippi

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	2	379
	Total:	2	379
Non-metals*	Chemical and Fertilizer, NEC	2	6
	Clay (Common)	4	253
	Clay (Fire)	1	2
	Clay, Ceramic & Refractory, NEC	2	70
	Total:	9	331
Sand & Gravel	Sand & Gravel	44	432
	Total:	44	432
Stone	Limestone (Crushed & Broken)	1	9
	Stone, Crushed & Broken, NEC	3	15
	Total:	4	24
	Operators State Total:	59	1,166
<u>Contractors **</u>			
Coal			37
Metal and Nonmetal			457
<u>Operator & Contractor Totals</u>			
Coal		-	416
Metal and Nonmetal		-	1,244
	Total:	-	1,660

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Missouri

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	1	15
	Total:	1	15
Metals	Lead and/or Zinc Ore	6	677
	Total:	6	677
Non-metals*	Clay (Common)	3	351
	Clay (Fire)	3	17
	Clay, Ceramic & Refractory, NEC	4	50
	Nonmetallic Minerals, NEC	1	12
	Shale (Common)	1	34
	Total:	12	464
Sand & Gravel	Sand & Gravel	62	328
	Total:	62	328
Stone	Cement	5	891
	Granite (Crushed & Broken)	3	227
	Granite (Dimension)	2	22
	Lime	3	694
	Limestone (Crushed & Broken)	187	2,209
	Limestone (Dimension)	9	148
	Sandstone (Crushed & Broken)	5	147
	Stone, Crushed & Broken, NEC	7	33
	Stone, Dimension NEC	1	2
	Traprock (Crushed & Broken)	1	28
	Total:	223	4,401
	Operators State Total:	304	5,885
<u>Contractors **</u>			
Coal			223
Metal and Nonmetal			1,585
<u>Operator & Contractor Totals</u>			
Coal		-	238
Metal and Nonmetal		-	7,455
	Total:	-	7,693

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Montana

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	7	1,145
	Total:	7	1,145
Metals	Copper Ore	3	378
	Gold (Lode and Placer)	10	140
	Iron Ore	1	3
	Platinum Group	2	1,233
	Silver Ores	1	4
	Total:	17	1,758
Non-metals*	Clay, Ceramic & Refractory, NEC	1	5
	Gemstones	2	82
	Gypsum	1	1
	Talc, Soapstone & Pyrophyllite	6	212
	Total:	10	300
Sand & Gravel	Sand & Gravel	172	617
	Total:	172	617
Stone	Cement	2	163
	Granite (Crushed & Broken)	1	4
	Lime	1	42
	Limestone (Crushed & Broken)	1	17
	Limestone (Dimension)	1	1
	Sandstone (Crushed & Broken)	1	1
	Sandstone (Dimension)	4	24
	Slate (Dimension)	3	5
	Stone, Crushed & Broken, NEC	2	3
	Stone, Dimension NEC	23	125
	Total:	39	385
	Operators State Total:	245	4,205
<u>Contractors **</u>			
Coal			190
Metal and Nonmetal			501
<u>Operator & Contractor Totals</u>			
Coal		-	1,335
Metal and Nonmetal		-	3,561
	Total:	-	4,896

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Nebraska

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Non-metals*	Clay (Fire)	1	5
	Total:	1	5
Sand & Gravel	Sand & Gravel	135	513
	Total:	135	513
Stone	Cement	1	128
	Limestone (Crushed & Broken)	9	306
	Limestone (Dimension)	1	4
	Stone, Crushed & Broken, NEC	2	5
	Stone, Dimension NEC	1	1
	Total:	14	444
Operators State Total:		150	962
<u>Contractors **</u>			
Coal			0
Metal and Nonmetal			512
<u>Operator & Contractor Totals</u>			
Coal		-	0
Metal and Nonmetal		-	1,474
	Total:	-	1,474

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Nevada

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Metals	Copper Ore	3	629
	Gold (Lode and Placer)	55	9,967
	Iron Ore	1	6
	Rare Earths	1	7
	Silver Ores	2	293
	Total:		62
Non-metals*	Barite	10	144
	Clay (Common)	2	11
	Clay, Ceramic & Refractory, NEC	2	41
	Gemstones	4	13
	Gypsum	5	179
	Magnesite	1	115
	Nonmetallic Minerals, NEC	8	310
	Perlite	2	12
	Potash, Soda & Borate Min'ls NEC	1	5
	Pumice	1	6
	Salt (Rock)	1	13
	Total:		37
Sand & Gravel	Sand & Gravel	75	599
Total:		75	599
Stone	Cement	1	100
	Lime	2	185
	Limestone (Crushed & Broken)	2	27
	Limestone (Dimension)	1	6
	Sandstone (Crushed & Broken)	2	42
	Sandstone (Dimension)	1	3
	Slate (Dimension)	1	10
	Stone, Crushed & Broken, NEC	8	61
	Stone, Dimension NEC	2	5
Total:		20	439
Operators State Total:		194	12,789
<u>Contractors **</u>			
Coal			27
Metal and Nonmetal			2,939
<u>Operator & Contractor Totals</u>			
Coal		-	27
Metal and Nonmetal		-	15,728
Total:		-	15,755

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

New Hampshire

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Sand & Gravel	Sand & Gravel	104	425
	Total:	104	425
Stone	Granite (Crushed & Broken)	7	72
	Granite (Dimension)	1	8
	Sandstone (Crushed & Broken)	2	11
	Sandstone (Dimension)	1	2
	Stone, Crushed & Broken, NEC	10	73
	Stone, Dimension NEC	3	39
	Traprock (Crushed & Broken)	2	16
	Total:	26	221
	Operators State Total:	130	646
<u>Contractors **</u>			
Coal			6
Metal and Nonmetal			184
<u>Operator & Contractor Totals</u>			
Coal		-	6
Metal and Nonmetal		-	830
	Total:	-	836

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

New Jersey

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Non-metals*	Nonmetallic Minerals, NEC	1	45
	Total:	1	45
Sand & Gravel	Sand & Gravel	48	454
	Total:	48	454
Stone	Granite (Crushed & Broken)	4	202
	Limestone (Crushed & Broken)	2	38
	Sandstone (Crushed & Broken)	1	26
	Slate (Crushed & Broken)	1	12
	Stone, Crushed & Broken, NEC	2	52
	Traprock (Crushed & Broken)	8	224
	Total:	18	554
Operators State Total:		67	1,053
<u>Contractors **</u>			
Coal			59
Metal and Nonmetal			397
<u>Operator & Contractor Totals</u>			
Coal		-	59
Metal and Nonmetal		-	1,450
	Total:	-	1,509

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

New Mexico

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	4	937
	Total:	4	937
Metals	Copper Ore	4	1,355
	Total:	4	1,355
Non-metals*	Chemical and Fertilizer, NEC	1	30
	Gemstones	1	2
	Gypsum	1	5
	Leonardite	1	2
	Nonmetallic Minerals, NEC	7	88
	Perlite	2	63
	Potash	4	712
	Pumice	4	36
	Salt (Evaporated)	3	113
	Total:	24	1,051
Sand & Gravel	Sand & Gravel	85	445
	Total:	85	445
Stone	Cement	1	94
	Limestone (Crushed & Broken)	14	118
	Limestone (Dimension)	3	13
	Marble (Dimension)	1	3
	Sandstone (Crushed & Broken)	3	18
	Stone, Crushed & Broken, NEC	34	170
	Stone, Dimension NEC	5	17
	Traprock (Crushed & Broken)	1	3
	Traprock (Dimension)	1	13
	Total:	63	449
	Operators State Total:	180	4,237
<u>Contractors **</u>			
Coal			111
Metal and Nonmetal			433
<u>Operator & Contractor Totals</u>			
Coal		-	1,048
Metal and Nonmetal		-	3,733
	Total:	-	4,781

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

New York

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Metals	Iron Ore	1	1
	Lead and/or Zinc Ore	1	24
	Metal Ores, NEC	2	72
	Total:	4	97
Non-metals*	Nonmetallic Minerals, NEC	5	112
	Salt (Rock)	2	540
	Shale (Common)	6	120
	Total:	13	772
Sand & Gravel	Sand & Gravel	372	1,507
	Total:	372	1,507
Stone	Cement	4	259
	Granite (Crushed & Broken)	4	75
	Granite (Dimension)	7	75
	Limestone (Crushed & Broken)	75	824
	Limestone (Dimension)	1	20
	Marble (Crushed & Broken)	1	5
	Sandstone (Crushed & Broken)	7	57
	Sandstone (Dimension)	11	45
	Slate (Crushed & Broken)	2	15
	Slate (Dimension)	3	9
	Stone, Crushed & Broken, NEC	33	190
	Stone, Dimension NEC	23	114
	Traprock (Crushed & Broken)	5	176
Total:	176	1,864	
Operators State Total:		565	4,240
<u>Contractors **</u>			
Coal			7
Metal and Nonmetal			881
<u>Operator & Contractor Totals</u>			
Coal		-	7
Metal and Nonmetal		-	5,121
Total:		-	5,128

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

North Carolina

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Metals	Alumina (Mill)	1	8
	Gold (Lode and Placer)	1	1
	Total:	2	9
Non-metals*	Clay (Common)	10	33
	Clay (Fire)	2	7
	Clay, Ceramic & Refractory, NEC	4	5
	Feldspar	5	142
	Gemstones	4	245
	Mica	4	29
	Nonmetallic Minerals, NEC	1	36
	Phosphate Rock	1	353
	Shale (Common)	3	140
	Talc, Soapstone & Pyrophyllite	1	2
	Total:	35	992
Sand & Gravel	Sand & Gravel	39	287
	Total:	39	287
Stone	Granite (Crushed & Broken)	83	1,444
	Granite (Dimension)	1	8
	Limestone (Crushed & Broken)	14	192
	Sandstone (Crushed & Broken)	2	24
	Sandstone (Dimension)	3	20
	Slate (Dimension)	2	9
	Stone, Crushed & Broken, NEC	8	67
	Stone, Dimension NEC	14	97
Traprock (Crushed & Broken)	4	86	
	Total:	131	1,947
Operators State Total:		207	3,235
<u>Contractors **</u>			
Coal			39
Metal and Nonmetal			2,900
<u>Operator & Contractor Totals</u>			
Coal		-	39
Metal and Nonmetal		-	6,135
	Total:	-	6,174

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

North Dakota

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	6	1,257
	Total:	6	1,257
Non-metals*	Leonardite	2	22
	Nonmetallic Minerals, NEC	1	1
	Total:	3	23
Sand & Gravel	Sand & Gravel	143	481
	Total:	143	481
Stone	Stone, Crushed & Broken, NEC	1	1
	Total:	1	1
Operators State Total:		153	1,762
<u>Contractors **</u>			
Coal			191
Metal and Nonmetal			158
<u>Operator & Contractor Totals</u>			
Coal		-	1,448
Metal and Nonmetal		-	663
	Total:	-	2,111

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Ohio

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	38	1,153
	Total:	38	1,153
Non-metals*	Clay (Common)	2	12
	Clay (Fire)	1	2
	Clay, Ceramic & Refractory, NEC	5	59
	Salt (Rock)	2	337
	Shale (Common)	7	51
	Total:	17	461
Sand & Gravel	Sand & Gravel	144	1,045
	Total:	144	1,045
Stone	Cement	2	198
	Lime	6	347
	Limestone (Crushed & Broken)	92	1,452
	Limestone (Dimension)	5	30
	Sandstone (Crushed & Broken)	7	32
	Sandstone (Dimension)	5	57
	Stone, Crushed & Broken, NEC	1	3
	Stone, Dimension NEC	1	3
	Total:	119	2,122
	Operators State Total:	318	4,781
<u>Contractors **</u>			
Coal			1,639
Metal and Nonmetal			2,800
<u>Operator & Contractor Totals</u>			
Coal		-	2,792
Metal and Nonmetal		-	6,428
	Total:	-	9,220

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Oklahoma

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	9	205
	Total:	9	205
Non-metals*	Clay (Common)	2	5
	Clay, Ceramic & Refractory, NEC	3	15
	Gypsum	8	184
	Nonmetallic Minerals, NEC	2	9
	Shale (Common)	2	10
	Total:	17	223
Sand & Gravel	Sand & Gravel	45	270
	Total:	45	270
Stone	Cement	3	344
	Granite (Crushed & Broken)	3	82
	Granite (Dimension)	1	2
	Lime	1	52
	Limestone (Crushed & Broken)	47	928
	Limestone (Dimension)	12	105
	Sandstone (Crushed & Broken)	5	110
	Sandstone (Dimension)	31	244
	Stone, Crushed & Broken, NEC	14	161
	Stone, Dimension NEC	26	225
	Traprock (Dimension)	3	21
	Total:	146	2,274
Operators State Total:		217	2,972
<u>Contractors **</u>			
Coal			25
Metal and Nonmetal			484
<u>Operator & Contractor Totals</u>			
Coal		-	230
Metal and Nonmetal		-	3,251
	Total:	-	3,481

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Oregon

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Metals	Gold (Lode and Placer)	3	11
	Silver Ores	1	12
	Total:	4	23
Non-metals*	Chemical and Fertilizer, NEC	1	2
	Clay (Common)	1	2
	Feldspar	1	1
	Gemstones	10	39
	Nonmetallic Minerals, NEC	3	157
	Perlite	2	27
	Pumice	2	17
	Total:	20	245
Sand & Gravel	Sand & Gravel	82	539
	Total:	82	539
Stone	Cement	1	117
	Granite (Crushed & Broken)	1	4
	Lime	1	13
	Limestone (Crushed & Broken)	1	21
	Stone, Crushed & Broken, NEC	141	729
	Stone, Dimension NEC	1	2
	Traprock (Crushed & Broken)	16	134
	Total:	162	1,020
Operators State Total:		268	1,827
<u>Contractors **</u>			
Coal			40
Metal and Nonmetal			663
<u>Operator & Contractor Totals</u>			
Coal		-	40
Metal and Nonmetal		-	2,490
	Total:	-	2,530

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Pennsylvania

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Anthracite	125	1,086
	Coal, Bituminous	167	4,363
	Total:	292	5,449
Metals	Chromite	1	7
	Iron Ore	1	12
	Total:	2	19
Non-metals*	Clay (Common)	2	3
	Clay (Fire)	2	8
	Mica	1	10
	Nonmetallic Minerals, NEC	1	56
	Shale (Common)	1	1
	Total:	7	78
Sand & Gravel	Sand & Gravel	79	542
	Total:	79	542
Stone	Cement	7	728
	Granite (Crushed & Broken)	3	23
	Granite (Dimension)	1	18
	Lime	5	286
	Limestone (Crushed & Broken)	116	2,111
	Limestone (Dimension)	3	118
	Sandstone (Crushed & Broken)	52	460
	Sandstone (Dimension)	29	273
	Slate (Crushed & Broken)	8	17
	Slate (Dimension)	6	42
	Stone, Crushed & Broken, NEC	51	444
	Stone, Dimension NEC	92	393
Traprock (Crushed & Broken)	10	325	
	Total:	383	5,238
Operators State Total:		763	11,326
<u>Contractors **</u>			
Coal			3,863
Metal and Nonmetal			4,335
<u>Operator & Contractor Totals</u>			
Coal		-	9,312
Metal and Nonmetal		-	10,212
	Total:	-	19,524

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Puerto Rico

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Sand & Gravel	Sand & Gravel	18	107
	Total:	18	107
Stone	Cement	2	149
	Lime	1	2
	Limestone (Crushed & Broken)	18	278
	Sandstone (Crushed & Broken)	1	47
	Stone, Crushed & Broken, NEC	15	144
	Traprock (Crushed & Broken)	1	35
	Total:	38	655
Operators State Total:		56	762
<u>Contractors **</u>			
Coal			0
Metal and Nonmetal			70
<u>Operator & Contractor Totals</u>			
Coal		-	0
Metal and Nonmetal		-	832
	Total:	-	832

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Rhode Island

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Sand & Gravel	Sand & Gravel	26	162
	Total:	26	162
Stone	Granite (Crushed & Broken)	2	28
	Stone, Crushed & Broken, NEC	6	44
	Traprock (Crushed & Broken)	1	14
	Total:	9	86
	Operators State Total:	35	248
<u>Contractors **</u>			
Coal			0
Metal and Nonmetal			54
<u>Operator & Contractor Totals</u>			
Coal		-	0
Metal and Nonmetal		-	302
	Total:	-	302

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

South Carolina

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Metals	Gold (Lode and Placer)	1	322
	Total:	1	322
Non-metals*	Boron Minerals	1	1
	Clay (Common)	9	102
	Clay (Fire)	3	9
	Clay, Ceramic & Refractory, NEC	2	33
	Vermiculite	1	44
	Total:	16	189
Sand & Gravel	Sand & Gravel	28	217
	Total:	28	217
Stone	Cement	3	470
	Granite (Crushed & Broken)	26	468
	Limestone (Crushed & Broken)	5	79
	Stone, Crushed & Broken, NEC	4	56
	Stone, Dimension NEC	1	2
	Total:	39	1,075
Operators State Total:		84	1,803
<u>Contractors **</u>			
Coal			55
Metal and Nonmetal			1,069
<u>Operator & Contractor Totals</u>			
Coal		-	55
Metal and Nonmetal		-	2,872
	Total:	-	2,927

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

South Dakota

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Metals	Gold (Lode and Placer)	3	217
	Iron Ore	1	6
	Total:	4	223
Non-metals*	Chemical and Fertilizer, NEC	1	18
	Feldspar	2	14
	Gypsum	1	5
	Mica	1	17
	Pigment Mineral	1	1
	Shale (Common)	1	2
	Total:	7	57
Sand & Gravel	Sand & Gravel	123	398
	Total:	123	398
Stone	Cement	1	137
	Granite (Crushed & Broken)	1	9
	Granite (Dimension)	3	14
	Lime	1	105
	Limestone (Crushed & Broken)	5	41
	Limestone (Dimension)	1	7
	Sandstone (Crushed & Broken)	2	62
	Stone, Crushed & Broken, NEC	2	50
Stone, Dimension NEC	3	27	
	Total:	19	452
Operators State Total:		153	1,130
<u>Contractors **</u>			
Coal			24
Metal and Nonmetal			308
<u>Operator & Contractor Totals</u>			
Coal		-	24
Metal and Nonmetal		-	1,438
	Total:	-	1,462

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Tennessee

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	15	176
	Total:	15	176
Metals	Lead and/or Zinc Ore	7	883
	Total:	7	883
Non-metals*	Barite	1	8
	Clay (Common)	7	250
	Clay, Ceramic & Refractory, NEC	1	3
	Nonmetallic Minerals, NEC	2	5
	Total:	11	266
Sand & Gravel	Sand & Gravel	31	271
	Total:	31	271
Stone	Cement	3	230
	Granite (Crushed & Broken)	1	29
	Limestone (Crushed & Broken)	118	1,602
	Limestone (Dimension)	3	16
	Marble (Dimension)	2	35
	Sandstone (Crushed & Broken)	6	97
	Sandstone (Dimension)	2	32
	Stone, Crushed & Broken, NEC	9	63
	Stone, Dimension NEC	39	173
	Total:	183	2,277
Operators State Total:		247	3,873
<u>Contractors **</u>			
Coal			225
Metal and Nonmetal			1,682
<u>Operator & Contractor Totals</u>			
Coal		-	401
Metal and Nonmetal		-	5,379
	Total:	-	5,780

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Texas

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	14	2,132
	Total:	14	2,132
Metals	Alumina (Mill)	1	70
	Iron Ore	2	17
	Total:	3	87
Non-metals*	Barite	8	116
	Clay (Common)	19	336
	Clay (Fire)	4	24
	Clay, Ceramic & Refractory, NEC	4	23
	Gypsum	9	139
	Nonmetallic Minerals, NEC	10	60
	Pigment Mineral	1	59
	Salt (Rock)	2	266
	Shale (Common)	1	66
	Talc, Soapstone & Pyrophyllite	4	72
	Total:	62	1,161
Sand & Gravel	Sand & Gravel	237	3,197
	Total:	237	3,197
Stone	Cement	11	1,415
	Granite (Crushed & Broken)	3	10
	Granite (Dimension)	2	9
	Lime	6	354
	Limestone (Crushed & Broken)	197	2,948
	Limestone (Dimension)	40	701
	Marble (Crushed & Broken)	2	11
	Marble (Dimension)	1	4
	Sandstone (Crushed & Broken)	7	412
	Sandstone (Dimension)	11	112
	Stone, Crushed & Broken, NEC	88	669
	Stone, Dimension NEC	43	822
	Traprock (Crushed & Broken)	3	53
	Traprock (Dimension)	1	47
	Total:	415	7,567
Operators State Total:		731	14,144
<u>Contractors **</u>			
Coal			1,325
Metal and Nonmetal			4,121
<u>Operator & Contractor Totals</u>			
Coal		-	3,457
Metal and Nonmetal		-	16,133
	Total:	-	19,590

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Utah

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	22	1,276
	Total:	22	1,276
Metals	Beryl	1	80
	Copper Ore	5	1,365
	Gold (Lode and Placer)	4	35
	Uranium	1	58
	Total:	11	1,538
Non-metals*	Chemical and Fertilizer, NEC	2	5
	Clay (Common)	4	51
	Fluorspar	2	6
	Gemstones	1	2
	Gilsonite	3	78
	Gypsum	6	55
	Nonmetallic Minerals, NEC	1	15
	Oil Sand	1	2
	Oil Shale	1	22
	Phosphate Rock	1	156
	Salt (Rock)	2	106
	Shale (Common)	3	57
	Total:	27	555
Sand & Gravel	Sand & Gravel	191	1,293
	Total:	191	1,293
Stone	Cement	2	196
	Lime	1	73
	Limestone (Crushed & Broken)	5	26
	Limestone (Dimension)	2	20
	Sandstone (Crushed & Broken)	1	2
	Sandstone (Dimension)	1	21
	Stone, Crushed & Broken, NEC	4	42
	Stone, Dimension NEC	8	61
	Total:	24	441
	Operators State Total:	275	5,103
<u>Contractors **</u>			
Coal			1,461
Metal and Nonmetal			3,650
<u>Operator & Contractor Totals</u>			
Coal		-	2,737
Metal and Nonmetal		-	7,477
	Total:	-	10,214

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Vermont

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Non-metals*	Talc, Soapstone & Pyrophyllite	1	26
	Total:	1	26
Sand & Gravel	Sand & Gravel	86	247
	Total:	86	247
Stone	Granite (Dimension)	3	16
	Limestone (Crushed & Broken)	10	101
	Marble (Dimension)	1	34
	Sandstone (Crushed & Broken)	4	22
	Sandstone (Dimension)	1	1
	Slate (Crushed & Broken)	2	9
	Slate (Dimension)	28	218
	Stone, Crushed & Broken, NEC	33	240
	Stone, Dimension NEC	10	53
	Traprock (Dimension)	1	5
	Total:	93	699
Operators State Total:		180	972
<u>Contractors **</u>			
Coal			2
Metal and Nonmetal			156
<u>Operator & Contractor Totals</u>			
Coal		-	2
Metal and Nonmetal		-	1,128
	Total:	-	1,130

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Virgin Islands

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Stone	Limestone (Crushed & Broken)	1	20
	Stone, Crushed & Broken, NEC	1	9
	Traprock (Crushed & Broken)	1	21
	Total:	3	50
Operators State Total:		3	50
<u>Contractors **</u>			
Coal			0
Metal and Nonmetal			0
<u>Operator & Contractor Totals</u>			
Coal		-	0
Metal and Nonmetal		-	50
Total:		-	50

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Virginia

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	97	2,850
	Total:	97	2,850
Metals	Titanium	1	53
	Total:	1	53
Non-metals*	Aplite	1	24
	Clay, Ceramic & Refractory, NEC	4	142
	Kyanite	2	142
	Pigment Mineral	1	22
	Shale (Common)	1	1
	Talc, Soapstone & Pyrophyllite	2	17
	Vermiculite	1	25
	Total:	12	373
Sand & Gravel	Sand & Gravel	29	210
	Total:	29	210
Stone	Cement	2	219
	Granite (Crushed & Broken)	36	865
	Granite (Dimension)	2	18
	Lime	3	261
	Limestone (Crushed & Broken)	42	732
	Limestone (Dimension)	1	13
	Sandstone (Crushed & Broken)	2	46
	Slate (Crushed & Broken)	1	6
	Slate (Dimension)	2	54
	Stone, Crushed & Broken, NEC	8	95
	Stone, Dimension NEC	3	37
	Traprock (Crushed & Broken)	4	157
	Total:	106	2,503
	Operators State Total:	245	5,989
<u>Contractors **</u>			
Coal			2,003
Metal and Nonmetal			1,814
<u>Operator & Contractor Totals</u>			
Coal		-	4,853
Metal and Nonmetal		-	4,953
	Total:	-	9,806

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Washington

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	1	29
	Total:	1	29
Metals	Gold (Lode and Placer)	4	151
	Lead and/or Zinc Ore	1	275
	Total:	5	426
Non-metals*	Clay (Common)	1	3
	Nonmetallic Minerals, NEC	2	54
	Total:	3	57
Sand & Gravel	Sand & Gravel	171	1,111
	Total:	171	1,111
Stone	Cement	3	116
	Granite (Crushed & Broken)	2	15
	Lime	1	7
	Limestone (Crushed & Broken)	9	79
	Marble (Crushed & Broken)	1	70
	Marble (Dimension)	1	16
	Sandstone (Crushed & Broken)	4	21
	Slate (Dimension)	1	7
	Stone, Crushed & Broken, NEC	43	207
	Stone, Dimension NEC	2	9
	Traprock (Crushed & Broken)	26	207
	Traprock (Dimension)	1	5
	Total:	94	759
	Operators State Total:	274	2,382
<u>Contractors **</u>			
Coal			73
Metal and Nonmetal			818
<u>Operator & Contractor Totals</u>			
Coal		-	102
Metal and Nonmetal		-	3,171
	Total:	-	3,273

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

West Virginia

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	273	14,141
	Total:	273	14,141
Metals	Iron Ore	2	8
	Total:	2	8
Non-metals*	Clay (Common)	1	1
	Shale (Common)	1	1
	Talc, Soapstone & Pyrophyllite	1	46
	Total:	3	48
Sand & Gravel	Sand & Gravel	1	16
	Total:	1	16
Stone	Cement	1	151
	Lime	1	69
	Limestone (Crushed & Broken)	19	445
	Sandstone (Crushed & Broken)	7	66
	Sandstone (Dimension)	1	3
	Total:	29	734
Operators State Total:		308	14,947
<u>Contractors **</u>			
Coal			5,494
Metal and Nonmetal			1,068
<u>Operator & Contractor Totals</u>			
Coal		-	19,635
Metal and Nonmetal		-	1,874
	Total:	-	21,509

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Wisconsin

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Sand & Gravel	Sand & Gravel	367	1,302
	Total:	367	1,302
Stone	Granite (Crushed & Broken)	10	180
	Granite (Dimension)	1	1
	Lime	4	157
	Limestone (Crushed & Broken)	145	691
	Limestone (Dimension)	19	335
	Marble (Crushed & Broken)	1	18
	Sandstone (Crushed & Broken)	2	5
	Sandstone (Dimension)	3	15
	Stone, Crushed & Broken, NEC	6	14
	Stone, Dimension NEC	10	70
	Traprock (Crushed & Broken)	2	114
	Total:	203	1,600
	Operators State Total:	570	2,902
<u>Contractors **</u>			
Coal			16
Metal and Nonmetal			2,002
<u>Operator & Contractor Totals</u>			
Coal		-	16
Metal and Nonmetal		-	4,904
	Total:	-	4,920

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2017

Wyoming

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Bituminous	18	5,706
	Total:	18	5,706
Non-metals*	Chemical and Fertilizer, NEC	23	597
	Clay (Common)	1	59
	Clay (Fire)	1	56
	Clay, Ceramic & Refractory, NEC	1	17
	Gypsum	2	14
	Leonardite	2	9
	Oil Sand	1	4
	Trona	4	2,222
	Total:	35	2,978
Sand & Gravel	Sand & Gravel	118	509
	Total:	118	509
Stone	Cement	1	128
	Granite (Crushed & Broken)	1	43
	Lime	1	14
	Limestone (Crushed & Broken)	4	46
	Limestone (Dimension)	1	3
	Stone, Crushed & Broken, NEC	3	8
	Total:	11	242
Operators State Total:		182	9,435
<u>Contractors **</u>			
Coal			1,365
Metal and Nonmetal			801
<u>Operator & Contractor Totals</u>			
Coal		-	7,071
Metal and Nonmetal		-	4,530
	Total:	-	11,601

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel.

** Based on Contractor's mailing address state

NUMBER OF MINES AND AVERAGE EMPLOYMENT - 2017

U.S. Summary**

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
Coal	Coal, Anthracite	125	1,086
	Coal, Bituminous	1,091	54,083
	Total:	1,216	55,169
Metals	Alumina (Mill)	5	1,009
	Aluminum Ore	6	157
	Beryl	1	80
	Chromite	2	11
	Cobalt	2	16
	Copper Ore	34	12,053
	Gold (Lode and Placer)	164	13,918
	Iron Ore	33	4,538
	Lead and/or Zinc Ore	17	2,135
	Manganese	1	30
	Metal Ores, NEC	4	104
	Molybdenum	3	742
	Nickel	2	210
	Platinum Group	2	1,233
	Rare Earths	2	114
	Silver Ores	11	1,137
	Titanium	3	263
	Uranium	2	83
Vanadium	1	36	
	Total:	295	37,869
Non-metals*	Aplite	1	24
	Barite	25	379
	Boron Minerals	2	627
	Chemical and Fertilizer, NEC	34	670
	Clay (Common)	125	4,465
	Clay (Fire)	32	349
	Clay, Ceramic & Refractory, NEC	51	685
	Feldspar	8	157
	Fluorspar	4	19
	Gemstones	37	452
	Gilsonite	3	78
	Gypsum	60	1,059
	Kyanite	2	142
	Leonardite	6	51
	Magnesite	1	115
	Mica	8	112
	Nonmetallic Minerals, NEC	67	1,494
	Oil Sand	3	7
	Oil Shale	2	26
	Perlite	9	118
	Phosphate Rock	12	2,203
	Pigment Mineral	3	82
	Potash	5	715
	Potash, Soda & Borate Min'ls NEC	2	16
	Pumice	15	158
	Salt (Evaporated)	3	113
	Salt (Rock)	16	1,982
	Shale (Common)	43	625
	Talc, Soapstone & Pyrophyllite	15	375
	Trona	5	2,231
Vermiculite	2	69	

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel. ** Includes Puerto Rico and the Virgin Islands

NUMBER OF MINES AND AVERAGE EMPLOYMENT - 2017

U.S. Summary** (Contd)

General Description	Product	Number of Operations	Average Employment
<u>Operators</u>			
		Total:	601
			19,598
Sand & Gravel	Sand & Gravel	5,929	33,947
		Total:	5,929
			33,947
Stone	Cement	105	12,066
	Granite (Crushed & Broken)	302	5,971
	Granite (Dimension)	46	335
	Lime	62	3,894
	Limestone (Crushed & Broken)	1,911	27,127
	Limestone (Dimension)	154	2,093
	Marble (Crushed & Broken)	17	843
	Marble (Dimension)	11	162
	Sandstone (Crushed & Broken)	160	2,512
	Sandstone (Dimension)	129	1,124
	Slate (Crushed & Broken)	22	107
	Slate (Dimension)	49	401
	Stone, Crushed & Broken, NEC	830	6,172
	Stone, Dimension NEC	427	3,241
	Traprock (Crushed & Broken)	121	2,327
	Traprock (Dimension)	9	100
		Total:	4,355
			68,475
<u>Operator Totals</u>			
Coal		1,216	55,169
Metal and Nonmetal		11,180	159,889
		Total:	12,396
			215,058
<u>Contractor Totals</u>			
Coal		-	27,884
Metal and Nonmetal		-	70,016
		Total:	-
			97,900
<u>Operator & Contractor Totals</u>			
Coal		-	83,053
Metal and Nonmetal		-	229,905
		Total:	-
			312,958

Source: MSHA Accident, Illness And Injury And Employment Self Extracting Files (Part 50 Data)

* Excluding Stone, sand & gravel. ** Includes Puerto Rico and the Virgin Islands