

# NMA - MSHA State Employment And Operations Report 2016



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# National Mining Association's NMA – MSHA State Employment and Operations Report Final 2016 Data

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# NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2016

## Alabama

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	44	2,172
	Total:	44	2,172
<b>Metals</b>	Aluminum Ore	1	4
	Iron Ore	1	27
	Total:	2	31
<b>Non-metals*</b>	Clay (Common)	7	132
	Clay (Fire)	3	106
	Clay, Ceramic & Refractory, NEC	5	58
	Shale (Common)	4	13
	Total:	19	309
<b>Sand &amp; Gravel</b>	Sand & Gravel	54	503
	Total:	54	503
<b>Stone</b>	Cement	5	609
	Granite (Crushed & Broken)	3	60
	Granite (Dimension)	2	24
	Lime	6	445
	Limestone (Crushed & Broken)	45	796
	Limestone (Dimension)	1	28
	Marble (Crushed & Broken)	2	347
	Marble (Dimension)	1	7
	Sandstone (Crushed & Broken)	3	41
	Sandstone (Dimension)	3	37
	Slate (Crushed & Broken)	2	11
	Stone, Crushed & Broken, NEC	6	60
	Stone, Dimension NEC	1	5
	Total:	80	2,470
	<b>Operators State Total:</b>	199	5,485
<b><u>Contractors **</u></b>			
<b>Coal</b>			939
<b>Metal and Nonmetal</b>			2,512
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	3,111
<b>Metal and Nonmetal</b>		-	5,825
	<b>Total:</b>	-	8,936

*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 - 2016

### Alaska

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	2	112
	Total:	2	112
<b>Metals</b>	Gold (Lode and Placer)	46	1,594
	Lead and/or Zinc Ore	1	260
	Silver Ores	1	420
	Total:	48	2,274
<b>Sand &amp; Gravel</b>	Sand & Gravel	87	490
	Total:	87	490
<b>Stone</b>	Granite (Crushed & Broken)	1	10
	Limestone (Crushed & Broken)	1	2
	Stone, Crushed & Broken, NEC	17	87
	Stone, Dimension NEC	1	5
	Total:	20	104
<b>Operators State Total:</b>		157	2,980
<b><u>Contractors **</u></b>			
<b>Coal</b>			1
<b>Metal and Nonmetal</b>			406
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	113
<b>Metal and Nonmetal</b>		-	3,274
	<b>Total:</b>	-	3,387

*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 - 2016

## Arizona

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	1	384
	Total:	1	384
<b>Metals</b>	Copper Ore	19	7,931
	Gold (Lode and Placer)	5	28
	Iron Ore	1	3
	Uranium	1	45
	Total:	26	8,007
<b>Non-metals*</b>	Chemical and Fertilizer, NEC	2	2
	Gemstones	1	11
	Gypsum	4	24
	Nonmetallic Minerals, NEC	1	11
	Perlite	1	7
	Total:	9	55
<b>Sand &amp; Gravel</b>	Sand & Gravel	162	1,368
	Total:	162	1,368
<b>Stone</b>	Cement	3	357
	Granite (Crushed & Broken)	11	102
	Granite (Dimension)	1	3
	Lime	2	87
	Limestone (Crushed & Broken)	2	24
	Marble (Crushed & Broken)	1	16
	Marble (Dimension)	1	3
	Sandstone (Crushed & Broken)	2	29
	Sandstone (Dimension)	11	84
	Stone, Crushed & Broken, NEC	24	144
	Stone, Dimension NEC	11	58
	Total:	69	907
	<b>Operators State Total:</b>	267	10,721
<b><u>Contractors **</u></b>			
<b>Coal</b>			124
<b>Metal and Nonmetal</b>			4,716
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	508
<b>Metal and Nonmetal</b>		-	15,053
	<b>Total:</b>	-	15,561

*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 - 2016

## Arkansas

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	4	71
	Total:	4	71
<b>Metals</b>	Alumina (Mill)	1	143
	Aluminum Ore	4	150
	Vanadium	1	43
	Total:	6	336
<b>Non-metals*</b>	Clay (Common)	1	4
	Clay (Fire)	2	9
	Clay, Ceramic & Refractory, NEC	1	3
	Gemstones	7	15
	Gypsum	1	86
	Total:	12	117
<b>Sand &amp; Gravel</b>	Sand & Gravel	37	314
	Total:	37	314
<b>Stone</b>	Cement	1	141
	Granite (Crushed & Broken)	3	304
	Lime	1	32
	Limestone (Crushed & Broken)	39	504
	Limestone (Dimension)	3	66
	Sandstone (Crushed & Broken)	17	356
	Sandstone (Dimension)	2	42
	Slate (Crushed & Broken)	1	19
	Stone, Crushed & Broken, NEC	16	136
	Stone, Dimension NEC	14	98
	Traprock (Crushed & Broken)	1	39
	Total:	98	1,737
	<b>Operators State Total:</b>	157	2,575
<b><u>Contractors **</u></b>			
<b>Coal</b>			11
<b>Metal and Nonmetal</b>			558
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	82
<b>Metal and Nonmetal</b>		-	3,062
	<b>Total:</b>	-	3,144

*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 - 2016

## California

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Metals</b>	Gold (Lode and Placer)	11	575
	Iron Ore	3	12
	Tungsten	1	2
	Total:	15	589
<b>Non-metals*</b>	Boron Minerals	1	662
	Clay (Common)	6	137
	Clay (Fire)	1	8
	Clay, Ceramic & Refractory, NEC	3	55
	Gemstones	3	11
	Gypsum	6	83
	Nonmetallic Minerals, NEC	5	255
	Pumice	4	20
	Trona	1	6
Total:	30	1,237	
<b>Sand &amp; Gravel</b>	Sand & Gravel	268	2,966
	Total:	268	2,966
<b>Stone</b>	Cement	9	1,201
	Granite (Crushed & Broken)	10	179
	Granite (Dimension)	1	6
	Lime	1	62
	Limestone (Crushed & Broken)	9	213
	Marble (Crushed & Broken)	1	4
	Sandstone (Crushed & Broken)	1	19
	Slate (Crushed & Broken)	4	10
	Stone, Crushed & Broken, NEC	77	849
	Stone, Dimension NEC	8	95
	Traprock (Crushed & Broken)	2	10
	Traprock (Dimension)	1	3
Total:	124	2,651	
<b>Operators State Total:</b>		437	7,443
<b><u>Contractors **</u></b>			
<b>Coal</b>			23
<b>Metal and Nonmetal</b>			3,195
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>			-
<b>Metal and Nonmetal</b>			10,638
<b>Total:</b>		-	10,661

*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 - 2016

## Colorado

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	14	1,361
	Total:	14	1,361
<b>Metals</b>	Gold (Lode and Placer)	12	671
	Molybdenum	2	704
	Silver Ores	2	29
	Total:	16	1,404
<b>Non-metals*</b>	Clay (Common)	2	6
	Clay (Fire)	1	2
	Clay, Ceramic & Refractory, NEC	1	1
	Gemstones	1	3
	Gypsum	5	42
	Perlite	2	9
	Shale (Common)	2	36
	Total:	14	99
<b>Sand &amp; Gravel</b>	Sand & Gravel	252	1,252
	Total:	252	1,252
<b>Stone</b>	Cement	3	337
	Granite (Crushed & Broken)	3	80
	Granite (Dimension)	1	6
	Lime	1	8
	Limestone (Crushed & Broken)	3	21
	Limestone (Dimension)	3	42
	Marble (Dimension)	1	28
	Sandstone (Crushed & Broken)	4	42
	Sandstone (Dimension)	9	108
	Stone, Crushed & Broken, NEC	14	111
	Stone, Dimension NEC	8	102
	Total:	50	885
<b>Operators State Total:</b>		346	5,001
<b><u>Contractors **</u></b>			
<b>Coal</b>			452
<b>Metal and Nonmetal</b>			2,105
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	1,813
<b>Metal and Nonmetal</b>		-	5,745
	<b>Total:</b>	-	7,558

*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 - 2016

### Connecticut

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Sand &amp; Gravel</b>	Sand & Gravel	51	256
	Total:	51	256
<b>Stone</b>	Granite (Crushed & Broken)	5	17
	Limestone (Crushed & Broken)	4	84
	Marble (Crushed & Broken)	1	5
	Stone, Crushed & Broken, NEC	18	107
	Stone, Dimension NEC	9	52
	Traprock (Crushed & Broken)	9	237
	Total:	46	502
<b>Operators State Total:</b>		97	758
<b><u>Contractors **</u></b>			
<b>Coal</b>			7
<b>Metal and Nonmetal</b>			165
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	7
<b>Metal and Nonmetal</b>		-	923
	<b>Total:</b>	-	930

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

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## NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2016

### Delaware

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
Metals	Manganese	1	37
	Total:	1	37
Sand & Gravel	Sand & Gravel	8	51
	Total:	8	51
<b>Operators State Total:</b>		9	88
<b><u>Contractors **</u></b>			
Coal			7
Metal and Nonmetal			26
<b><u>Operator &amp; Contractor Totals</u></b>			
Coal		-	7
Metal and Nonmetal		-	114
	<b>Total:</b>	-	121

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

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# NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2016

## Florida

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Metals</b>	Titanium	1	113
	Total:	1	113
<b>Non-metals*</b>	Clay (Common)	2	130
	Clay, Ceramic & Refractory, NEC	1	28
	Leonardite	1	10
	Nonmetallic Minerals, NEC	10	126
	Phosphate Rock	6	1,278
	Total:	20	1,572
<b>Sand &amp; Gravel</b>	Sand & Gravel	23	247
	Total:	23	247
<b>Stone</b>	Cement	8	681
	Lime	1	10
	Limestone (Crushed & Broken)	78	1,706
	Limestone (Dimension)	2	10
	Sandstone (Crushed & Broken)	1	5
	Stone, Crushed & Broken, NEC	1	10
	Stone, Dimension NEC	1	8
	Total:	92	2,430
<b>Operators State Total:</b>		136	4,362
<b><u>Contractors **</u></b>			
<b>Coal</b>			280
<b>Metal and Nonmetal</b>			2,993
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	280
<b>Metal and Nonmetal</b>		-	7,355
	<b>Total:</b>	-	7,635

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

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# NUMBER OF MINES AND AVERAGE EMPLOYMENT BY STATE - 2016

## Georgia

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Non-metals*</b>	Barite	1	44
	Chemical and Fertilizer, NEC	1	9
	Clay (Common)	32	2,545
	Clay (Fire)	2	20
	Clay, Ceramic & Refractory, NEC	2	12
	Mica	2	57
	Nonmetallic Minerals, NEC	1	55
	Shale (Common)	1	2
	Total:	42	2,744
<b>Sand &amp; Gravel</b>	Sand & Gravel	18	171
		Total:	18
<b>Stone</b>	Cement	2	168
	Granite (Crushed & Broken)	53	1,006
	Granite (Dimension)	7	45
	Lime	3	22
	Limestone (Crushed & Broken)	6	100
	Marble (Crushed & Broken)	6	345
	Marble (Dimension)	2	30
	Sandstone (Crushed & Broken)	2	47
	Slate (Crushed & Broken)	1	7
	Slate (Dimension)	1	4
	Stone, Crushed & Broken, NEC	9	180
	Stone, Dimension NEC	24	184
	Total:	116	2,138
<b>Operators State Total:</b>		176	5,053
<b><u>Contractors **</u></b>			
<b>Coal</b>			53
<b>Metal and Nonmetal</b>			2,889
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	53
<b>Metal and Nonmetal</b>		-	7,942
	Total:	-	7,995

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 - 2016

### Hawaii

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Sand &amp; Gravel</b>	Sand & Gravel	14	50
	Total:	14	50
<b>Stone</b>	Stone, Crushed & Broken, NEC	21	153
	Stone, Dimension NEC	1	39
	Traprock (Crushed & Broken)	4	139
	Total:	26	331
	<b>Operators State Total:</b>	40	381
<b><u>Contractors **</u></b>			
<b>Coal</b>			0
<b>Metal and Nonmetal</b>			43
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	0
<b>Metal and Nonmetal</b>		-	424
	<b>Total:</b>	-	424

*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 - 2016

## Idaho

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Metals</b>	Gold (Lode and Placer)	7	24
	Lead and/or Zinc Ore	1	4
	Molybdenum	1	52
	Silver Ores	4	562
	Total:	13	642
<b>Non-metals*</b>	Clay (Common)	1	6
	Gemstones	1	22
	Nonmetallic Minerals, NEC	2	26
	Phosphate Rock	4	409
	Pumice	3	69
	Total:	11	532
<b>Sand &amp; Gravel</b>	Sand & Gravel	149	673
	Total:	149	673
<b>Stone</b>	Limestone (Crushed & Broken)	3	24
	Limestone (Dimension)	2	15
	Sandstone (Crushed & Broken)	1	5
	Sandstone (Dimension)	1	6
	Slate (Dimension)	1	47
	Stone, Crushed & Broken, NEC	21	137
	Stone, Dimension NEC	6	105
	Traprock (Crushed & Broken)	1	2
	Traprock (Dimension)	1	4
	Total:	37	345
<b>Operators State Total:</b>		210	2,192
<b><u>Contractors **</u></b>			
<b>Coal</b>			5
<b>Metal and Nonmetal</b>			1,049
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	5
<b>Metal and Nonmetal</b>		-	3,241
	<b>Total:</b>	-	3,246

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 - 2016

### Illinois

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	36	3,279
	Total:	36	3,279
<b>Metals</b>	Metal Ores, NEC	1	19
	Total:	1	19
<b>Non-metals*</b>	Clay (Common)	1	30
	Fluorspar	1	8
	Total:	2	38
<b>Sand &amp; Gravel</b>	Sand & Gravel	92	527
	Total:	92	527
<b>Stone</b>	Cement	2	239
	Lime	1	3
	Limestone (Crushed & Broken)	120	1,806
	Limestone (Dimension)	4	15
	Sandstone (Crushed & Broken)	1	52
	Stone, Dimension NEC	2	6
	Total:	130	2,121
<b>Operators State Total:</b>		261	5,984
<b><u>Contractors **</u></b>			
<b>Coal</b>			1,068
<b>Metal and Nonmetal</b>			1,566
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	4,347
<b>Metal and Nonmetal</b>		-	4,271
	<b>Total:</b>	-	8,618

*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 - 2016

## Indiana

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	36	2,894
	Total:	36	2,894
<b>Metals</b>	Iron Ore	1	3
	Total:	1	3
<b>Non-metals*</b>	Clay (Common)	2	8
	Gypsum	1	37
	Nonmetallic Minerals, NEC	2	160
	Shale (Common)	5	47
	Total:	10	252
<b>Sand &amp; Gravel</b>	Sand & Gravel	118	693
	Total:	118	693
<b>Stone</b>	Cement	4	578
	Lime	1	81
	Limestone (Crushed & Broken)	88	1,397
	Limestone (Dimension)	15	246
	Stone, Crushed & Broken, NEC	1	8
	Stone, Dimension NEC	2	15
	Total:	111	2,325
<b>Operators State Total:</b>		276	6,167
<b><u>Contractors **</u></b>			
<b>Coal</b>			1,519
<b>Metal and Nonmetal</b>			1,355
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	4,413
<b>Metal and Nonmetal</b>		-	4,628
	<b>Total:</b>	-	9,041

*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 - 2016

### Iowa

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Metals</b>	Metal Ores, NEC	1	10
	Total:	1	10
<b>Non-metals*</b>	Clay (Common)	2	8
	Clay, Ceramic & Refractory, NEC	1	10
	Gypsum	6	152
	Total:	9	170
<b>Sand &amp; Gravel</b>	Sand & Gravel	137	593
	Total:	137	593
<b>Stone</b>	Cement	2	232
	Lime	2	72
	Limestone (Crushed & Broken)	141	1,485
	Limestone (Dimension)	5	44
	Stone, Crushed & Broken, NEC	5	45
	Total:	155	1,878
<b>Operators State Total:</b>		302	2,651
<b><u>Contractors **</u></b>			
<b>Coal</b>			0
<b>Metal and Nonmetal</b>			1,450
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	0
<b>Metal and Nonmetal</b>		-	4,101
	<b>Total:</b>	-	4,101

*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 - 2016

### Kansas

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	2	11
	Total:	2	11
<b>Non-metals*</b>	Clay (Fire)	2	7
	Gypsum	3	65
	Potash, Soda & Borate Min'ls NEC	1	11
	Pumice	1	4
	Salt (Rock)	3	174
	Total:	10	261
<b>Sand &amp; Gravel</b>	Sand & Gravel	90	337
	Total:	90	337
<b>Stone</b>	Cement	2	276
	Limestone (Crushed & Broken)	66	579
	Limestone (Dimension)	12	74
	Sandstone (Crushed & Broken)	1	5
	Stone, Crushed & Broken, NEC	5	65
	Stone, Dimension NEC	12	69
	Total:	98	1,068
<b>Operators State Total:</b>		200	1,677
<b><u>Contractors **</u></b>			
<b>Coal</b>			28
<b>Metal and Nonmetal</b>			799
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	39
<b>Metal and Nonmetal</b>		-	2,465
	<b>Total:</b>	-	2,504

*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 - 2016

## Kentucky

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	287	7,154
	Total:	287	7,154
<b>Non-metals*</b>	Clay (Common)	1	1
	Clay, Ceramic & Refractory, NEC	3	56
	Fluorspar	1	4
	Oil Sand	1	3
	Shale (Common)	3	32
	Total:	9	96
<b>Sand &amp; Gravel</b>	Sand & Gravel	17	128
	Total:	17	128
<b>Stone</b>	Cement	1	150
	Lime	3	206
	Limestone (Crushed & Broken)	86	1,869
	Sandstone (Crushed & Broken)	1	28
	Stone, Crushed & Broken, NEC	2	34
	Total:	93	2,287
<b>Operators State Total:</b>		406	9,665
<b><u>Contractors **</u></b>			
<b>Coal</b>			2,984
<b>Metal and Nonmetal</b>			1,066
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	10,138
<b>Metal and Nonmetal</b>		-	3,577
	<b>Total:</b>	-	13,715

*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 - 2016

### Louisiana

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	2	304
	Total:	2	304
<b>Metals</b>	Alumina (Mill)	2	747
	Total:	2	747
<b>Non-metals*</b>	Barite	5	63
	Clay (Fire)	3	66
	Nonmetallic Minerals, NEC	1	54
	Salt (Rock)	3	561
	Total:	12	744
<b>Sand &amp; Gravel</b>	Sand & Gravel	77	547
	Total:	77	547
<b>Stone</b>	Stone, Crushed & Broken, NEC	4	28
	Total:	4	28
<b>Operators State Total:</b>		97	2,370
<b><u>Contractors **</u></b>			
<b>Coal</b>			425
<b>Metal and Nonmetal</b>			1,202
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	729
<b>Metal and Nonmetal</b>		-	3,268
	<b>Total:</b>	-	3,997

*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 - 2016

### Maine

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Non-metals*</b>	Clay, Ceramic & Refractory, NEC	1	3
	Gemstones	1	4
	Total:	2	7
<b>Sand &amp; Gravel</b>	Sand & Gravel	217	786
	Total:	217	786
<b>Stone</b>	Cement	1	102
	Granite (Crushed & Broken)	2	29
	Granite (Dimension)	4	17
	Limestone (Crushed & Broken)	4	35
	Stone, Crushed & Broken, NEC	17	86
	Stone, Dimension NEC	6	16
	Traprock (Crushed & Broken)	2	31
	Total:	36	316
<b>Operators State Total:</b>		255	1,109
<b><u>Contractors **</u></b>			
<b>Coal</b>			0
<b>Metal and Nonmetal</b>			81
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	0
<b>Metal and Nonmetal</b>		-	1,190
	<b>Total:</b>	-	1,190

*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 - 2016

### Maryland

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	21	358
	Total:	21	358
<b>Non-metals*</b>	Shale (Common)	2	2
	Total:	2	2
<b>Sand &amp; Gravel</b>	Sand & Gravel	24	307
	Total:	24	307
<b>Stone</b>	Cement	2	272
	Granite (Crushed & Broken)	4	127
	Granite (Dimension)	1	5
	Limestone (Crushed & Broken)	14	343
	Sandstone (Crushed & Broken)	2	6
	Sandstone (Dimension)	2	12
	Stone, Crushed & Broken, NEC	2	26
	Stone, Dimension NEC	2	32
	Traprock (Crushed & Broken)	2	77
	Total:	31	900
<b>Operators State Total:</b>		78	1,567
<b><u>Contractors **</u></b>			
<b>Coal</b>			1,727
<b>Metal and Nonmetal</b>			851
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	2,085
<b>Metal and Nonmetal</b>		-	2,060
	<b>Total:</b>	-	4,145

*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 - 2016

### Massachusetts

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Non-metals*</b>	Clay (Common)	1	3
	Shale (Common)	1	13
	Total:	2	16
<b>Sand &amp; Gravel</b>	Sand & Gravel	96	416
	Total:	96	416
<b>Stone</b>	Granite (Crushed & Broken)	5	77
	Lime	2	173
	Limestone (Crushed & Broken)	2	20
	Slate (Dimension)	1	5
	Stone, Crushed & Broken, NEC	17	129
	Stone, Dimension NEC	10	160
	Traprock (Crushed & Broken)	14	199
	Total:	51	763
<b>Operators State Total:</b>		149	1,195
<b><u>Contractors **</u></b>			
<b>Coal</b>			3
<b>Metal and Nonmetal</b>			352
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	3
<b>Metal and Nonmetal</b>		-	1,547
	<b>Total:</b>	-	1,550

*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 - 2016

### Michigan

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Metals</b>	Chromite	1	4
	Iron Ore	5	949
	Nickel	2	197
	Total:	8	1,150
<b>Non-metals*</b>	Gypsum	3	27
	Oil Shale	1	4
	Salt (Rock)	1	60
	Total:	5	91
<b>Sand &amp; Gravel</b>	Sand & Gravel	356	1,531
	Total:	356	1,531
<b>Stone</b>	Cement	3	398
	Lime	2	56
	Limestone (Crushed & Broken)	18	500
	Sandstone (Dimension)	1	7
	Stone, Crushed & Broken, NEC	4	11
	Stone, Dimension NEC	1	2
Total:	29	974	
<b>Operators State Total:</b>		398	3,746
<b><u>Contractors **</u></b>			
<b>Coal</b>			48
<b>Metal and Nonmetal</b>			1,655
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	48
<b>Metal and Nonmetal</b>		-	5,401
<b>Total:</b>		-	5,449

*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 - 2016

## Minnesota

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Metals</b>	Copper Ore	1	24
	Iron Ore	15	3,413
	Metal Ores, NEC	1	2
	Total:	17	3,439
<b>Non-metals*</b>	Clay (Common)	1	2
	Gemstones	1	4
	Total:	2	6
<b>Sand &amp; Gravel</b>	Sand & Gravel	494	1,757
	Total:	494	1,757
<b>Stone</b>	Granite (Crushed & Broken)	9	91
	Granite (Dimension)	6	44
	Limestone (Crushed & Broken)	30	170
	Limestone (Dimension)	2	44
	Sandstone (Crushed & Broken)	2	94
	Stone, Crushed & Broken, NEC	11	53
	Stone, Dimension NEC	4	14
Total:	64	510	
<b>Operators State Total:</b>		577	5,712
<b><u>Contractors **</u></b>			
<b>Coal</b>			80
<b>Metal and Nonmetal</b>			2,470
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	80
<b>Metal and Nonmetal</b>		-	8,182
<b>Total:</b>		-	8,262

*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 - 2016

### Mississippi

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	2	338
	Total:	2	338
<b>Non-metals*</b>	Chemical and Fertilizer, NEC	2	5
	Clay (Common)	4	257
	Clay (Fire)	1	2
	Clay, Ceramic & Refractory, NEC	2	73
	Total:	9	337
<b>Sand &amp; Gravel</b>	Sand & Gravel	48	428
	Total:	48	428
<b>Stone</b>	Limestone (Crushed & Broken)	1	8
	Stone, Crushed & Broken, NEC	1	6
	Total:	2	14
	<b>Operators State Total:</b>	61	1,117
<b><u>Contractors **</u></b>			
<b>Coal</b>			33
<b>Metal and Nonmetal</b>			415
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	371
<b>Metal and Nonmetal</b>		-	1,194
	<b>Total:</b>	-	1,565

*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 - 2016

## Missouri

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	1	18
	Total:	1	18
<b>Metals</b>	Iron Ore	1	2
	Lead and/or Zinc Ore	6	694
	Total:	7	696
<b>Non-metals*</b>	Clay (Common)	4	348
	Clay (Fire)	4	21
	Clay, Ceramic & Refractory, NEC	4	54
	Nonmetallic Minerals, NEC	1	13
	Shale (Common)	1	35
	Total:	14	471
<b>Sand &amp; Gravel</b>	Sand & Gravel	60	301
	Total:	60	301
<b>Stone</b>	Cement	4	657
	Granite (Crushed & Broken)	3	226
	Granite (Dimension)	2	20
	Lime	3	678
	Limestone (Crushed & Broken)	187	2,205
	Limestone (Dimension)	11	427
	Sandstone (Crushed & Broken)	4	74
	Stone, Crushed & Broken, NEC	6	32
	Stone, Dimension NEC	2	3
	Traprock (Crushed & Broken)	1	44
	Total:	223	4,366
<b>Operators State Total:</b>		305	5,852
<b><u>Contractors **</u></b>			
<b>Coal</b>			257
<b>Metal and Nonmetal</b>			1,540
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	275
<b>Metal and Nonmetal</b>		-	7,374
	<b>Total:</b>	-	7,649

*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 - 2016

### Montana

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	7	1,157
	Total:	7	1,157
<b>Metals</b>	Copper Ore	3	370
	Gold (Lode and Placer)	12	177
	Iron Ore	1	3
	Platinum Group	2	1,189
	Silver Ores	1	4
	Total:	19	1,743
<b>Non-metals*</b>	Gemstones	1	55
	Gypsum	1	1
	Talc, Soapstone & Pyrophyllite	6	229
	Total:	8	285
<b>Sand &amp; Gravel</b>	Sand & Gravel	178	611
	Total:	178	611
<b>Stone</b>	Cement	2	162
	Granite (Crushed & Broken)	1	4
	Lime	1	38
	Limestone (Crushed & Broken)	1	20
	Limestone (Dimension)	1	1
	Sandstone (Dimension)	4	27
	Slate (Dimension)	3	9
	Stone, Crushed & Broken, NEC	4	20
	Stone, Dimension NEC	24	150
	Total:	41	431
<b>Operators State Total:</b>		253	4,227
<b><u>Contractors **</u></b>			
<b>Coal</b>			123
<b>Metal and Nonmetal</b>			584
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	1,280
<b>Metal and Nonmetal</b>		-	3,654
	<b>Total:</b>	-	4,934

*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 - 2016

## Nebraska

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Non-metals*</b>	Clay (Fire)	1	4
	Total:	1	4
<b>Sand &amp; Gravel</b>	Sand & Gravel	138	534
	Total:	138	534
<b>Stone</b>	Cement	1	135
	Limestone (Crushed & Broken)	9	276
	Limestone (Dimension)	1	4
	Sandstone (Crushed & Broken)	1	2
	Stone, Crushed & Broken, NEC	2	5
	Stone, Dimension NEC	1	4
	Total:	15	426
<b>Operators State Total:</b>		154	964
<b><u>Contractors **</u></b>			
<b>Coal</b>			0
<b>Metal and Nonmetal</b>			537
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	0
<b>Metal and Nonmetal</b>		-	1,501
	<b>Total:</b>	-	1,501

*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 - 2016

## Nevada

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Metals</b>	Antimony	1	3
	Copper Ore	2	505
	Gold (Lode and Placer)	59	9,783
	Iron Ore	1	4
	Lithium	1	3
	Molybdenum	1	4
	Rare Earths	1	7
	Silver Ores	2	298
	Total:	68	10,607
<b>Non-metals*</b>	Barite	11	138
	Clay (Common)	1	6
	Clay, Ceramic & Refractory, NEC	2	44
	Gemstones	4	11
	Gypsum	5	162
	Magnesite	1	114
	Nonmetallic Minerals, NEC	10	322
	Perlite	1	9
	Potash, Soda & Borate Min'ls NEC	1	5
	Pumice	1	5
	Salt (Rock)	1	12
	Total:	38	828
<b>Sand &amp; Gravel</b>	Sand & Gravel	82	539
	Total:	82	539
<b>Stone</b>	Cement	1	103
	Lime	2	193
	Limestone (Crushed & Broken)	2	25
	Limestone (Dimension)	1	6
	Sandstone (Crushed & Broken)	2	44
	Slate (Dimension)	1	13
	Stone, Crushed & Broken, NEC	9	59
	Stone, Dimension NEC	2	5
	Total:	20	448
<b>Operators State Total:</b>		208	12,422
<b><u>Contractors **</u></b>			
<b>Coal</b>			20
<b>Metal and Nonmetal</b>			2,663
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	20
<b>Metal and Nonmetal</b>		-	15,085
	<b>Total:</b>	-	15,105

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 - 2016

## New Hampshire

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Sand &amp; Gravel</b>	Sand & Gravel	106	439
	Total:	106	439
<b>Stone</b>	Granite (Crushed & Broken)	7	77
	Granite (Dimension)	1	11
	Sandstone (Crushed & Broken)	2	10
	Sandstone (Dimension)	1	2
	Stone, Crushed & Broken, NEC	10	65
	Stone, Dimension NEC	3	41
	Traprock (Crushed & Broken)	2	16
	Total:	26	222
	<b>Operators State Total:</b>	132	661
<b><u>Contractors **</u></b>			
<b>Coal</b>			6
<b>Metal and Nonmetal</b>			104
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	6
<b>Metal and Nonmetal</b>		-	765
	<b>Total:</b>	-	771

*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 - 2016

## New Jersey

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Non-metals*</b>	Nonmetallic Minerals, NEC	1	45
	Total:	1	45
<b>Sand &amp; Gravel</b>	Sand & Gravel	49	454
	Total:	49	454
<b>Stone</b>	Granite (Crushed & Broken)	4	206
	Limestone (Crushed & Broken)	2	40
	Sandstone (Crushed & Broken)	1	26
	Stone, Crushed & Broken, NEC	2	50
	Traprock (Crushed & Broken)	7	214
	Total:	16	536
<b>Operators State Total:</b>		66	1,035
<b><u>Contractors **</u></b>			
<b>Coal</b>			44
<b>Metal and Nonmetal</b>			391
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	44
<b>Metal and Nonmetal</b>		-	1,426
	<b>Total:</b>	-	1,470

*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 - 2016

## New Mexico

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	4	1,036
	Total:	4	1,036
<b>Metals</b>	Copper Ore	4	1,361
	Gold (Lode and Placer)	2	2
	Platinum Group	1	5
	Total:	7	1,368
<b>Non-metals*</b>	Chemical and Fertilizer, NEC	1	26
	Gemstones	1	2
	Gypsum	1	5
	Leonardite	1	2
	Nonmetallic Minerals, NEC	7	81
	Perlite	3	68
	Potash	4	1,042
	Pumice	4	36
	Salt (Evaporated)	3	116
	Total:	25	1,378
<b>Sand &amp; Gravel</b>	Sand & Gravel	81	470
	Total:	81	470
<b>Stone</b>	Cement	2	90
	Limestone (Crushed & Broken)	14	128
	Limestone (Dimension)	3	13
	Marble (Dimension)	2	5
	Sandstone (Crushed & Broken)	3	13
	Stone, Crushed & Broken, NEC	17	117
	Stone, Dimension NEC	5	16
	Traprock (Crushed & Broken)	1	3
	Traprock (Dimension)	1	15
	Total:	48	400
<b>Operators State Total:</b>		165	4,652
<b><u>Contractors **</u></b>			
<b>Coal</b>			114
<b>Metal and Nonmetal</b>			596
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	1,150
<b>Metal and Nonmetal</b>		-	4,212
	<b>Total:</b>	-	5,362

*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 - 2016

## New York

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Metals</b>	Lead and/or Zinc Ore	1	12
	Metal Ores, NEC	2	67
	Total:	3	79
<b>Non-metals*</b>	Nonmetallic Minerals, NEC	5	117
	Salt (Rock)	2	506
	Shale (Common)	6	127
	Total:	13	750
<b>Sand &amp; Gravel</b>	Sand & Gravel	361	1,465
	Total:	361	1,465
<b>Stone</b>	Cement	4	258
	Granite (Crushed & Broken)	5	70
	Granite (Dimension)	7	83
	Limestone (Crushed & Broken)	74	805
	Limestone (Dimension)	2	20
	Marble (Crushed & Broken)	1	4
	Sandstone (Crushed & Broken)	8	67
	Sandstone (Dimension)	9	39
	Slate (Crushed & Broken)	2	7
	Slate (Dimension)	4	11
	Stone, Crushed & Broken, NEC	32	187
	Stone, Dimension NEC	20	119
Traprock (Crushed & Broken)	5	183	
	Total:	173	1,853
<b>Operators State Total:</b>		550	4,147
<b><u>Contractors **</u></b>			
<b>Coal</b>			16
<b>Metal and Nonmetal</b>			1,049
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	16
<b>Metal and Nonmetal</b>		-	5,196
	Total:	-	5,212

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 - 2016

## North Carolina

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Metals</b>	Alumina (Mill)	1	7
	Gold (Lode and Placer)	1	1
	Total:	2	8
<b>Non-metals*</b>	Clay (Common)	11	35
	Clay (Fire)	3	10
	Clay, Ceramic & Refractory, NEC	3	4
	Feldspar	3	121
	Gemstones	4	206
	Gypsum	1	59
	Mica	4	29
	Nonmetallic Minerals, NEC	1	35
	Phosphate Rock	1	363
	Shale (Common)	2	118
	Total:	33	980
<b>Sand &amp; Gravel</b>	Sand & Gravel	40	287
	Total:	40	287
<b>Stone</b>	Granite (Crushed & Broken)	84	1,348
	Granite (Dimension)	1	18
	Lime	1	7
	Limestone (Crushed & Broken)	13	170
	Sandstone (Crushed & Broken)	2	21
	Sandstone (Dimension)	3	18
	Slate (Dimension)	2	11
	Stone, Crushed & Broken, NEC	9	63
	Stone, Dimension NEC	10	95
Traprock (Crushed & Broken)	4	81	
	Total:	129	1,832
<b>Operators State Total:</b>		204	3,107
<b><u>Contractors **</u></b>			
<b>Coal</b>			65
<b>Metal and Nonmetal</b>			3,010
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	65
<b>Metal and Nonmetal</b>		-	6,117
	<b>Total:</b>	-	6,182

*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 - 2016

### North Dakota

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	6	1,259
	Total:	6	1,259
<b>Non-metals*</b>	Leonardite	2	28
	Nonmetallic Minerals, NEC	1	1
	Total:	3	29
<b>Sand &amp; Gravel</b>	Sand & Gravel	170	621
	Total:	170	621
<b>Stone</b>	Stone, Crushed & Broken, NEC	2	9
	Total:	2	9
<b>Operators State Total:</b>		181	1,918
<b><u>Contractors **</u></b>			
<b>Coal</b>			223
<b>Metal and Nonmetal</b>			178
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	1,482
<b>Metal and Nonmetal</b>		-	837
	<b>Total:</b>	-	2,319

*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 - 2016

## Ohio

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	40	1,537
	Total:	40	1,537
<b>Non-metals*</b>	Clay (Common)	2	12
	Clay (Fire)	1	2
	Clay, Ceramic & Refractory, NEC	6	52
	Salt (Rock)	2	375
	Shale (Common)	6	47
	Total:	17	488
<b>Sand &amp; Gravel</b>	Sand & Gravel	148	1,041
	Total:	148	1,041
<b>Stone</b>	Cement	2	211
	Lime	6	359
	Limestone (Crushed & Broken)	88	1,427
	Limestone (Dimension)	5	26
	Sandstone (Crushed & Broken)	7	30
	Sandstone (Dimension)	6	53
	Stone, Crushed & Broken, NEC	1	3
	Stone, Dimension NEC	1	4
	Total:	116	2,113
	<b>Operators State Total:</b>	321	5,179
<b><u>Contractors **</u></b>			
<b>Coal</b>			1,512
<b>Metal and Nonmetal</b>			2,683
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	3,049
<b>Metal and Nonmetal</b>		-	6,325
	<b>Total:</b>	-	9,374

*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 - 2016

## Oklahoma

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	6	155
	Total:	6	155
<b>Non-metals*</b>	Clay (Common)	2	5
	Clay, Ceramic & Refractory, NEC	2	11
	Gypsum	9	168
	Nonmetallic Minerals, NEC	2	7
	Shale (Common)	2	10
	Total:	17	201
<b>Sand &amp; Gravel</b>	Sand & Gravel	42	246
	Total:	42	246
<b>Stone</b>	Cement	3	377
	Granite (Crushed & Broken)	3	85
	Granite (Dimension)	2	6
	Lime	1	52
	Limestone (Crushed & Broken)	49	964
	Limestone (Dimension)	12	109
	Sandstone (Crushed & Broken)	4	88
	Sandstone (Dimension)	29	235
	Stone, Crushed & Broken, NEC	16	177
	Stone, Dimension NEC	24	240
	Traprock (Dimension)	3	27
	Total:	146	2,360
<b>Operators State Total:</b>		211	2,962
<b><u>Contractors **</u></b>			
<b>Coal</b>			27
<b>Metal and Nonmetal</b>			414
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	182
<b>Metal and Nonmetal</b>		-	3,221
	Total:	-	3,403

*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 - 2016

## Oregon

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Metals</b>	Chromite	1	5
	Gold (Lode and Placer)	6	30
	Silver Ores	1	10
	Total:	8	45
<b>Non-metals*</b>	Chemical and Fertilizer, NEC	1	3
	Clay (Common)	1	3
	Feldspar	1	2
	Gemstones	10	40
	Nonmetallic Minerals, NEC	5	159
	Perlite	2	25
	Pumice	2	17
Total:	22	249	
<b>Sand &amp; Gravel</b>	Sand & Gravel	82	523
	Total:	82	523
<b>Stone</b>	Cement	1	116
	Granite (Crushed & Broken)	1	2
	Lime	1	14
	Limestone (Crushed & Broken)	1	21
	Stone, Crushed & Broken, NEC	145	779
	Stone, Dimension NEC	1	2
Traprock (Crushed & Broken)	16	124	
Total:	166	1,058	
<b>Operators State Total:</b>		278	1,875
<b><u>Contractors **</u></b>			
<b>Coal</b>			12
<b>Metal and Nonmetal</b>			646
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	12
<b>Metal and Nonmetal</b>		-	2,521
<b>Total:</b>		-	2,533

*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 - 2016

## Pennsylvania

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Anthracite	127	1,142
	Coal, Bituminous	187	4,178
	Total:	314	5,320
<b>Metals</b>	Chromite	1	14
	Iron Ore	1	9
	Total:	2	23
<b>Non-metals*</b>	Clay (Common)	2	4
	Clay (Fire)	2	5
	Mica	1	10
	Nonmetallic Minerals, NEC	1	50
	Shale (Common)	1	1
	Total:	7	70
<b>Sand &amp; Gravel</b>	Sand & Gravel	75	516
	Total:	75	516
<b>Stone</b>	Cement	8	748
	Granite (Crushed & Broken)	3	22
	Granite (Dimension)	1	19
	Lime	5	312
	Limestone (Crushed & Broken)	120	2,197
	Limestone (Dimension)	3	151
	Sandstone (Crushed & Broken)	51	464
	Sandstone (Dimension)	32	282
	Slate (Crushed & Broken)	11	27
	Slate (Dimension)	4	42
	Stone, Crushed & Broken, NEC	49	442
	Stone, Dimension NEC	95	419
	Traprock (Crushed & Broken)	10	326
	Total:	392	5,451
<b>Operators State Total:</b>		790	11,380
<b><u>Contractors **</u></b>			
<b>Coal</b>			3,708
<b>Metal and Nonmetal</b>			3,866
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	9,028
<b>Metal and Nonmetal</b>		-	9,926
	<b>Total:</b>	-	18,954

*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 - 2016

## Puerto Rico

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Sand &amp; Gravel</b>	Sand & Gravel	23	139
	Total:	23	139
<b>Stone</b>	Cement	2	199
	Lime	1	8
	Limestone (Crushed & Broken)	20	326
	Sandstone (Crushed & Broken)	1	41
	Stone, Crushed & Broken, NEC	16	141
	Traprock (Crushed & Broken)	1	38
	Total:	41	753
<b>Operators State Total:</b>		64	892
<b><u>Contractors **</u></b>			
<b>Coal</b>			0
<b>Metal and Nonmetal</b>			102
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	0
<b>Metal and Nonmetal</b>		-	994
	<b>Total:</b>	-	994

*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 - 2016

## Rhode Island

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Sand &amp; Gravel</b>	Sand & Gravel	25	168
	Total:	25	168
<b>Stone</b>	Granite (Crushed & Broken)	2	27
	Stone, Crushed & Broken, NEC	6	45
	Traprock (Crushed & Broken)	1	14
	Total:	9	86
	<b>Operators State Total:</b>	34	254
<b><u>Contractors **</u></b>			
<b>Coal</b>			0
<b>Metal and Nonmetal</b>			50
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	0
<b>Metal and Nonmetal</b>		-	304
	Total:	-	304

*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 - 2016

## South Carolina

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Metals</b>	Gold (Lode and Placer)	1	230
	Total:	1	230
<b>Non-metals*</b>	Clay (Common)	9	100
	Clay (Fire)	3	8
	Clay, Ceramic & Refractory, NEC	3	37
	Vermiculite	1	43
	Total:	16	188
<b>Sand &amp; Gravel</b>	Sand & Gravel	28	210
	Total:	28	210
<b>Stone</b>	Cement	3	475
	Granite (Crushed & Broken)	26	457
	Limestone (Crushed & Broken)	5	75
	Stone, Crushed & Broken, NEC	4	57
	Stone, Dimension NEC	1	2
	Total:	39	1,066
	<b>Operators State Total:</b>	<b>84</b>	<b>1,694</b>
<b><u>Contractors **</u></b>			
<b>Coal</b>			51
<b>Metal and Nonmetal</b>			1,337
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	51
<b>Metal and Nonmetal</b>		-	3,031
	<b>Total:</b>	<b>-</b>	<b>3,082</b>

*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 - 2016

## South Dakota

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Metals</b>	Gold (Lode and Placer)	3	213
	Iron Ore	1	3
	Total:	4	216
<b>Non-metals*</b>	Chemical and Fertilizer, NEC	1	20
	Feldspar	3	16
	Gypsum	1	6
	Mica	1	11
	Pigment Mineral	1	2
	Shale (Common)	1	3
	Total:	8	58
<b>Sand &amp; Gravel</b>	Sand & Gravel	125	421
	Total:	125	421
<b>Stone</b>	Cement	1	126
	Granite (Crushed & Broken)	1	6
	Granite (Dimension)	3	17
	Lime	1	110
	Limestone (Crushed & Broken)	5	39
	Sandstone (Crushed & Broken)	2	59
	Stone, Crushed & Broken, NEC	2	54
	Stone, Dimension NEC	3	21
	Total:	18	432
<b>Operators State Total:</b>		155	1,127
<b><u>Contractors **</u></b>			
<b>Coal</b>			105
<b>Metal and Nonmetal</b>			407
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	105
<b>Metal and Nonmetal</b>		-	1,534
	Total:	-	1,639

*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 - 2016

## Tennessee

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	17	224
	Total:	17	224
<b>Metals</b>	Lead and/or Zinc Ore	7	631
	Total:	7	631
<b>Non-metals*</b>	Barite	1	6
	Clay (Common)	7	258
	Clay, Ceramic & Refractory, NEC	1	3
	Nonmetallic Minerals, NEC	1	4
	Total:	10	271
<b>Sand &amp; Gravel</b>	Sand & Gravel	31	275
	Total:	31	275
<b>Stone</b>	Cement	3	232
	Granite (Crushed & Broken)	1	28
	Limestone (Crushed & Broken)	119	1,596
	Limestone (Dimension)	3	15
	Marble (Dimension)	3	47
	Sandstone (Crushed & Broken)	6	102
	Sandstone (Dimension)	2	33
	Stone, Crushed & Broken, NEC	7	66
	Stone, Dimension NEC	34	160
	Total:	178	2,279
<b>Operators State Total:</b>		243	3,680
<b><u>Contractors **</u></b>			
<b>Coal</b>			245
<b>Metal and Nonmetal</b>			1,514
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	469
<b>Metal and Nonmetal</b>		-	4,970
	<b>Total:</b>	-	5,439

*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 - 2016

## Texas

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	17	2,635
	Total:	17	2,635
<b>Metals</b>	Alumina (Mill)	2	807
	Iron Ore	1	15
	Total:	3	822
<b>Non-metals*</b>	Barite	8	87
	Clay (Common)	19	351
	Clay (Fire)	4	25
	Clay, Ceramic & Refractory, NEC	4	24
	Gypsum	9	146
	Nonmetallic Minerals, NEC	11	68
	Oil Sand	1	2
	Pigment Mineral	1	46
	Salt (Rock)	2	266
	Shale (Common)	1	66
	Talc, Soapstone & Pyrophyllite	4	73
	Total:	64	1,154
<b>Sand &amp; Gravel</b>	Sand & Gravel	233	2,961
	Total:	233	2,961
<b>Stone</b>	Cement	11	1,415
	Granite (Crushed & Broken)	3	11
	Granite (Dimension)	2	2
	Lime	7	371
	Limestone (Crushed & Broken)	182	2,854
	Limestone (Dimension)	41	680
	Marble (Crushed & Broken)	2	10
	Marble (Dimension)	1	4
	Sandstone (Crushed & Broken)	7	418
	Sandstone (Dimension)	9	117
	Stone, Crushed & Broken, NEC	75	552
	Stone, Dimension NEC	41	773
	Traprock (Crushed & Broken)	3	46
	Traprock (Dimension)	1	46
	Total:	385	7,299
	<b>Operators State Total:</b>	<b>702</b>	<b>14,871</b>
<b><u>Contractors **</u></b>			
<b>Coal</b>			1,522
<b>Metal and Nonmetal</b>			4,758
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	4,157
<b>Metal and Nonmetal</b>		-	16,994
	<b>Total:</b>	<b>-</b>	<b>21,151</b>

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 - 2016

## Utah

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	25	1,258
	Total:	25	1,258
<b>Metals</b>	Beryl	1	82
	Copper Ore	6	1,349
	Gold (Lode and Placer)	3	32
	Tungsten	1	5
	Uranium	1	79
	Total:	12	1,547
<b>Non-metals*</b>	Chemical and Fertilizer, NEC	2	3
	Clay (Common)	5	59
	Gemstones	1	2
	Gilsonite	2	84
	Gypsum	5	51
	Nonmetallic Minerals, NEC	1	18
	Oil Sand	1	4
	Oil Shale	1	18
	Phosphate Rock	1	157
	Salt (Rock)	2	101
	Shale (Common)	4	61
	Total:	25	558
<b>Sand &amp; Gravel</b>	Sand & Gravel	189	1,071
	Total:	189	1,071
<b>Stone</b>	Cement	2	201
	Lime	1	74
	Limestone (Crushed & Broken)	4	21
	Limestone (Dimension)	2	29
	Sandstone (Dimension)	1	20
	Stone, Crushed & Broken, NEC	4	33
	Stone, Dimension NEC	8	68
	Total:	22	446
	<b>Operators State Total:</b>	273	4,880
<b><u>Contractors **</u></b>			
<b>Coal</b>			1,240
<b>Metal and Nonmetal</b>			4,565
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	2,498
<b>Metal and Nonmetal</b>		-	8,187
	<b>Total:</b>	-	10,685

*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 - 2016

### Vermont

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Non-metals*</b>	Talc, Soapstone & Pyrophyllite	1	22
	Total:	1	22
<b>Sand &amp; Gravel</b>	Sand & Gravel	80	236
	Total:	80	236
<b>Stone</b>	Granite (Dimension)	3	17
	Limestone (Crushed & Broken)	10	106
	Marble (Dimension)	1	32
	Sandstone (Crushed & Broken)	5	22
	Sandstone (Dimension)	2	4
	Slate (Crushed & Broken)	2	8
	Slate (Dimension)	25	254
	Stone, Crushed & Broken, NEC	31	243
	Stone, Dimension NEC	10	58
	Traprock (Dimension)	1	5
	Total:	90	749
<b>Operators State Total:</b>		171	1,007
<b><u>Contractors **</u></b>			
<b>Coal</b>			2
<b>Metal and Nonmetal</b>			162
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	2
<b>Metal and Nonmetal</b>		-	1,169
	<b>Total:</b>	-	1,171

*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 - 2016

### Virgin Islands

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Stone</b>	Limestone (Crushed & Broken)	1	29
	Stone, Crushed & Broken, NEC	1	9
	Traprock (Crushed & Broken)	1	21
	Total:	3	59
<b>Operators State Total:</b>		3	59
<b><u>Contractors **</u></b>			
<b>Coal</b>			0
<b>Metal and Nonmetal</b>			0
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	0
<b>Metal and Nonmetal</b>		-	59
<b>Total:</b>		-	59

*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 - 2016

## Virginia

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	100	2,591
	Total:	100	2,591
<b>Non-metals*</b>	Aplite	1	23
	Clay, Ceramic & Refractory, NEC	4	418
	Gemstones	1	3
	Kyanite	2	149
	Pigment Mineral	1	22
	Shale (Common)	2	2
	Talc, Soapstone & Pyrophyllite	2	18
	Vermiculite	1	26
	Total:	14	661
<b>Sand &amp; Gravel</b>	Sand & Gravel	28	216
	Total:	28	216
<b>Stone</b>	Cement	2	223
	Granite (Crushed & Broken)	33	780
	Granite (Dimension)	2	23
	Lime	3	274
	Limestone (Crushed & Broken)	42	734
	Limestone (Dimension)	1	15
	Sandstone (Crushed & Broken)	2	46
	Slate (Crushed & Broken)	2	10
	Slate (Dimension)	2	57
	Stone, Crushed & Broken, NEC	7	87
	Stone, Dimension NEC	3	39
	Traprock (Crushed & Broken)	4	160
	Total:	103	2,448
<b>Operators State Total:</b>		245	5,916
<b><u>Contractors **</u></b>			
<b>Coal</b>			1,846
<b>Metal and Nonmetal</b>			1,633
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	4,437
<b>Metal and Nonmetal</b>		-	4,958
	Total:	-	9,395

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 - 2016

## Washington

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	1	32
	Total:	1	32
<b>Metals</b>	Gold (Lode and Placer)	2	187
	Lead and/or Zinc Ore	1	241
	Total:	3	428
<b>Non-metals*</b>	Clay (Common)	1	3
	Nonmetallic Minerals, NEC	2	54
	Total:	3	57
<b>Sand &amp; Gravel</b>	Sand & Gravel	175	1,095
	Total:	175	1,095
<b>Stone</b>	Cement	3	117
	Granite (Crushed & Broken)	2	13
	Lime	1	17
	Limestone (Crushed & Broken)	9	85
	Marble (Crushed & Broken)	1	68
	Marble (Dimension)	1	16
	Sandstone (Crushed & Broken)	4	29
	Slate (Dimension)	1	8
	Stone, Crushed & Broken, NEC	43	218
	Stone, Dimension NEC	2	10
	Traprock (Crushed & Broken)	27	207
	Traprock (Dimension)	1	4
	Total:	95	792
	<b>Operators State Total:</b>	277	2,404
<b><u>Contractors **</u></b>			
<b>Coal</b>			31
<b>Metal and Nonmetal</b>			751
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	63
<b>Metal and Nonmetal</b>		-	3,123
	<b>Total:</b>	-	3,186

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 - 2016

## West Virginia

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	282	12,626
	Total:	282	12,626
<b>Metals</b>	Iron Ore	2	8
	Total:	2	8
<b>Non-metals*</b>	Clay (Common)	1	2
	Shale (Common)	1	1
	Talc, Soapstone & Pyrophyllite	1	45
	Total:	3	48
<b>Sand &amp; Gravel</b>	Sand & Gravel	1	16
	Total:	1	16
<b>Stone</b>	Cement	1	154
	Lime	1	71
	Limestone (Crushed & Broken)	19	443
	Sandstone (Crushed & Broken)	6	61
	Sandstone (Dimension)	1	3
	Total:	28	732
<b>Operators State Total:</b>		316	13,430
<b><u>Contractors **</u></b>			
<b>Coal</b>			4,997
<b>Metal and Nonmetal</b>			1,074
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	17,623
<b>Metal and Nonmetal</b>		-	1,878
	<b>Total:</b>	-	19,501

*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 - 2016

### Wisconsin

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Sand &amp; Gravel</b>	Sand & Gravel	369	1,192
	Total:	369	1,192
<b>Stone</b>	Granite (Crushed & Broken)	10	177
	Granite (Dimension)	1	1
	Lime	4	165
	Limestone (Crushed & Broken)	142	649
	Limestone (Dimension)	21	330
	Marble (Crushed & Broken)	1	10
	Sandstone (Crushed & Broken)	2	6
	Sandstone (Dimension)	4	17
	Stone, Crushed & Broken, NEC	6	13
	Stone, Dimension NEC	9	70
	Traprock (Crushed & Broken)	2	114
	Total:	202	1,552
	<b>Operators State Total:</b>	571	2,744
<b><u>Contractors **</u></b>			
<b>Coal</b>			54
<b>Metal and Nonmetal</b>			1,784
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	54
<b>Metal and Nonmetal</b>		-	4,528
	<b>Total:</b>	-	4,582

*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 - 2016

## Wyoming

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Bituminous	18	5,765
	Total:	18	5,765
<b>Non-metals*</b>	Chemical and Fertilizer, NEC	22	565
	Clay (Common)	1	59
	Clay (Fire)	1	53
	Clay, Ceramic & Refractory, NEC	1	16
	Gypsum	2	15
	Leonardite	2	9
	Oil Sand	1	6
	Oil Shale	1	6
	Trona	4	2,254
	Total:	35	2,983
<b>Sand &amp; Gravel</b>	Sand & Gravel	111	491
	Total:	111	491
<b>Stone</b>	Cement	1	130
	Granite (Crushed & Broken)	1	42
	Lime	1	14
	Limestone (Crushed & Broken)	4	37
	Limestone (Dimension)	1	5
	Stone, Crushed & Broken, NEC	2	7
	Total:	10	235
<b>Operators State Total:</b>		174	9,474
<b><u>Contractors **</u></b>			
<b>Coal</b>			1,797
<b>Metal and Nonmetal</b>			1,161
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	7,562
<b>Metal and Nonmetal</b>		-	4,870
	Total:	-	12,432

*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 - 2016

### U.S. Summary\*\*

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Coal</b>	Coal, Anthracite	127	1,142
	Coal, Bituminous	1,162	52,909
	<b>Total:</b>	1,289	54,051
<b>Metals</b>	Alumina (Mill)	6	1,704
	Aluminum Ore	5	154
	Antimony	1	3
	Beryl	1	82
	Chromite	3	23
	Copper Ore	35	11,540
	Gold (Lode and Placer)	170	13,547
	Iron Ore	34	4,451
	Lead and/or Zinc Ore	17	1,842
	Lithium	1	3
	Manganese	1	37
	Metal Ores, NEC	5	98
	Molybdenum	4	760
	Nickel	2	197
	Platinum Group	3	1,194
	Rare Earths	1	7
	Silver Ores	11	1,323
	Titanium	1	113
	Tungsten	2	7
Uranium	2	124	
Vanadium	1	43	
	<b>Total:</b>	306	37,252
<b>Non-metals*</b>	Aplite	1	23
	Barite	26	338
	Boron Minerals	1	662
	Chemical and Fertilizer, NEC	32	633
	Clay (Common)	129	4,514
	Clay (Fire)	34	348
	Clay, Ceramic & Refractory, NEC	50	962
	Feldspar	7	139
	Fluorspar	2	12
	Gemstones	37	389
	Gilsonite	2	84
	Gypsum	63	1,129
	Kyanite	2	149
	Leonardite	6	49
	Magnesite	1	114
	Mica	8	107
	Nonmetallic Minerals, NEC	71	1,661
	Oil Sand	4	15
	Oil Shale	3	28
	Perlite	9	118
	Phosphate Rock	12	2,207
	Pigment Mineral	3	70
	Potash	4	1,042
	Potash, Soda & Borate Min'ls NEC	2	16
	Pumice	15	151
	Salt (Evaporated)	3	116
	Salt (Rock)	16	2,055
Shale (Common)	45	616	
Talc, Soapstone & Pyrophyllite	14	387	

*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 - 2016

### U.S. Summary\*\* (Contd)

General Description	Product	Number of Operations	Average Employment
<b><u>Operators</u></b>			
<b>Non-metals*</b>	Trona	5	2,260
	Vermiculite	2	69
	<b>Total:</b>	609	20,463
<b>Sand &amp; Gravel</b>	Sand & Gravel	5,919	32,929
	<b>Total:</b>	5,919	32,929
<b>Stone</b>	Cement	105	11,870
	Granite (Crushed & Broken)	299	5,663
	Granite (Dimension)	48	367
	Lime	66	4,014
	Limestone (Crushed & Broken)	1,882	26,958
	Limestone (Dimension)	157	2,415
	Marble (Crushed & Broken)	16	809
	Marble (Dimension)	13	172
	Sandstone (Crushed & Broken)	158	2,352
	Sandstone (Dimension)	132	1,146
	Slate (Crushed & Broken)	25	99
	Slate (Dimension)	45	461
	Stone, Crushed & Broken, NEC	801	5,998
	Stone, Dimension NEC	422	3,364
	Traprock (Crushed & Broken)	120	2,325
Traprock (Dimension)	9	104	
	<b>Total:</b>	4,298	68,117
<b><u>Operator Totals</u></b>			
<b>Coal</b>		1,289	54,051
<b>Metal and Nonmetal</b>		11,132	158,761
	<b>Total:</b>	12,421	212,812
<b><u>Contractor Totals</u></b>			
<b>Coal</b>		-	27,835
<b>Metal and Nonmetal</b>		-	71,624
	<b>Total:</b>	-	99,459
<b><u>Operator &amp; Contractor Totals</u></b>			
<b>Coal</b>		-	81,886
<b>Metal and Nonmetal</b>		-	230,385
	<b>Total:</b>	-	312,271

*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