

2018 Fatal Comparison Chart (based on preliminary report data, fatalgrams, & final reports) Updated: 2/6/2018

<b>MNM Total</b>	<b>1</b>	<b>Fatal #'s</b>	<b>Coal Total</b>	<b>0</b>	<b>Fatal #'s</b>	<b>Total</b>
Underground			UG	1	1	1
Surface & Sur of UG	1	1	Surface & Sur of UG			1
Other			Other			
<b>Contractor</b>			<b>Contractor</b>			
Powered Haulage	1	1	Powered Haulage			1
Machinery			Machinery			
Roof, Rib, Highwall Fall			Roof, Rib, Highwall Fall	1	1	1
Electrical			Electrical			
Slip & Fall of Persons			Slip & Fall of Person			
Fall & Sliding Materials			Fall & Sliding Materials			
Ignition/Exploding Gas			Ignition/Explosion			
Hoisting			Hoisting			
Inundation			Inundation			
Exploding Vessel			Exploding Vessel			
Maintenance/Repair Involved			Maintenance/Repair Involved			
Examiner, Supervisor, Owner			Examiner, Supervisor, Owner			
<b>Age 0-19</b>			<b>Age 0-19</b>			
Age 20-29			Age 20-29			
Age 30-39	1	1	Age 30-39			1
Age 40-49			Age 40-49			
Age 50-59			Age 50-59			
Age 60+			Age 60+			
<b>Experience</b>			<b>Experience</b>			
Less than 1 year			Less than 1 year			
1-9 years	1	1	1-9 years			1
10-19 years			10-19			
20+			20+			
<b>Mine Site Experience</b>			<b>Mine Site Experience</b>			
Less than 1 year	1	1	Less than 1 year			1
1-9 years			1-9 years			
10-19			10-19			
20+			20+			
<b>Job/Task Experience</b>			<b>Job/Task Experience</b>			
0-7 days			0-7 days			
Less than 1 year	1	1	Less than 1 year			1
1-9 years			1-9 years			
10-19			10-19			
20+			20+			
<b>Shift Time</b>			<b>Shift Time</b>			
1 <sup>st</sup> Shift (7am-3pm)	1	1	1 <sup>st</sup> Shift (7am-3pm)			
2 <sup>nd</sup> Shift (3pm-11pm)			2 <sup>nd</sup> Shift (3pm-11pm)			
3 <sup>rd</sup> Shift (11pm-7am)			3 <sup>rd</sup> Shift (11pm-7am)			
<b>Day of the Week:</b>			<b>Day of the Week:</b>			
Sunday			Sunday			
Monday			Monday			
Tuesday			Tuesday	1	1	1
Wednesday			Wednesday			
Thursday	1	1	Thursday			1
Friday			Friday			
Saturday			Saturday			

**Focus on your safety goal with purpose!**

2018 - Month	MNM	Coal	Totals	Difference	Totals	2017 - Month	MNM	Coal
January	1	0	1	-1	2	January	1	1
February	0	1	1	-2	3	February	0	3
March					3	March	2	1
April					0	April	0	0
May					2	May	0	2
June					3	June	1	2
July					4	July	3	1
August					2	August	0	2
September					3	September	2	1
October					4	October	3	1
November					0	November	0	0
December					2	December	1	1
<b>2017 Total:</b>	<b>1</b>	<b>1</b>	<b>2</b>		<b>28</b>	<b>2016 Total:</b>	<b>13</b>	<b>15</b>

Product	Fatal #'s For 2018	2018 Total product	2017 Total product	2016 Total product
Alumina				0
Cement			2	2
Clay				0
<b>Coal</b>	<b>1</b>	<b>1</b>	<b>15</b>	<b>8</b>
Copper			1	0
Diatomaceous Earth			1	0
Dimension Stone				0
Gold Ore			2	1
Granite			1	1
Gypsum				0
Iron Ore				0
Kaolin				0
Lead Ore				0
Lime				0
<b>Limestone</b>			<b>2</b>	<b>4</b>
Magnesite				1
Phosphate				1
Salt				0
<b>Sand &amp; Gravel</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>6</b>
Sandstone				0
Shale				0
Silver Ore				0
Stone			1	0
Titanium				1

State (2018)	Total	MNM	Coal	Fatal #
Iowa	<b>1</b>	1	0	M1
West Virginia	<b>1</b>	0	1	C1

Part 48 = 1	Part 46 = 1
All Coal = 1	Non Metal SUR# 1
MNM: UG = 0 SUR = 0	

**Did you complete a  
Workplace Exam today?**

Keep your  
Thoughts and Behaviors  
Focused on your Safety Goal!

Month	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	TOTAL	AVG
January	1	2	3	5	1	3	2	1	4	3	6	30	3
February	1	3	1	1	5	5	3	3	0	4	5	30	3
March		3	3	5	2	3	5	2	1	2	2	28	2.8
April		0	2	0	6	3	2	2	33	4	4	56	5.6
May		2	2	4	6	1	5	1	6	3	7	37	3.7
June		3	4	3	6	3	2	4	6	5	4	40	4
July		4	2	2	2	4	4	2	3	2	3	28	2.8
August		2	1	4	3	3	2	3	4	1	4	27	2.7
September		3	3	2	3	3	5	4	1	4	3	31	3.1
October		4	1	0	3	5	1	6	6	3	11	40	4
November		0	0	0	6	5	4	4	3	2	1	25	2.5
December		2	3	3	3	4	1	4	5	2	3	30	3
<b>Total:</b>	<b>2</b>	<b>28</b>	<b>25</b>	<b>29</b>	<b>46</b>	<b>42</b>	<b>36</b>	<b>36</b>	<b>72</b>	<b>35</b>	<b>53</b>	<b>402</b>	<b>3.35/mo</b>
									UBB			Average: 40.2/yr	

Average over past 10 years (2008-2017) = 41 per year

Average over past 5 years (2013-2017) = 34 per year

**Focus on your safety goal with purpose!**

# 2018 - MNM Fatal

## Fatal #1 – Powered Haulage

Iowa

On Thursday, January 25, 2018 (at 2:42pm), a 38-year-old equipment operator with 4 years mining experience was fatally injured while hauling material from the pit to a stockpile. The articulated haul truck travelled through a berm and into an ice covered pond, submerging the truck's cab. Rescuers utilized divers and tow trucks to pull the submerged truck from the pond and recover the victim.

### Best Practices:

- Do not operate heavy equipment when fatigued. The effects of fatigue include tiredness, reduced energy, and physical or mental exhaustion. These conditions become progressively worse as fatigue increases.
- Maintain control and stay alert when operating mobile equipment. Monitor persons routinely to determine safe work procedures are followed.
- Conduct adequate pre-operational checks and correct any defects affecting safety in a timely manner prior to operating mobile equipment. Maintain equipment braking and steering systems in good repair and adjustment.
- Operate mobile equipment at speeds consistent with the conditions of roadways, tracks, grades, clearance, visibility, curves, and traffic.
- Ensure that berms are adequate for the vehicles present on site, including but not limited to height, material, and built on firm ground.
- Ensure that all exits on mobile equipment cabs, including alternate and emergency exits, are maintained and operable.
- Use seat belts when operating mobile equipment.

Use the following links to view additional information:

<a href="#">Preliminary Report</a>	<a href="#">Fatal Alert</a>	Final Report
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## 2018 - Coal Fatal

### Fatal #1 – Fall of Rib

### West Virginia

[Fatal accident](#) occurred on Tuesday, February 06, 2018...