

2021 Fatal Comparison Chart (based on preliminary report data, fatal alerts, & final reports) Updated: 6/23/2021

MNM Total	13	Fatal Date	Coal Total	4	Fatal Date	Total 17
Underground (UG)	4	Feb22, May18, Jun9(16&17)	Underground (UG)	4	Jan22, May14, Jun2, Jun3	8
Surface & Sur of UG	9	Jan16, Jan19, Feb8, Feb25, Mar5, Mar12, Apr19, Apr22, Jun7	Surface & Sur of UG	0		9
Found Non-Chargeable			Found Non-Chargeable			
Contractor	1	May18	Contractor			1
Powered Haulage	7	Jan19, Feb8, Feb22, Apr19, Apr22, Jun9(16&17)	Powered Haulage	2	Jan22, Jun3	9
Machinery	3	Jan16, Mar5, May18	Machinery	0		3
Roof, Rib, Highwall Fall	0		Roof, Rib, Highwall Fall	2	May14, Jun2	2
Electrical			Electrical			
Slip & Fall of Persons	1	Feb25	Slip & Fall of Person	0		1
Fall & Sliding Materials			Fall & Sliding Materials			
Handling Materials	2	Mar12, Jun7	Handling Materials	0		2
Hand Tools						
Age			Age			
Age 0-19			Age 0-19			
Age 20-29	3	Feb22, Feb25, Apr19	Age 20-29	1	Jun2	4
Age 30-39	4	Jan19, Feb8, Mar12, May18	Age 30-39	2	Jan22, May14	6
Age 40-49	1	Jan16	Age 40-49	1	Jun3	2
Age 50-59	3	Apr22, Jun7, Jun9(17)	Age 50-59	0		3
Age 60+	2	Mar5, Jun9(16)	Age 60+	0		2
Experience			Experience			
Less than 1 year	2	Feb8, Apr19	Less than 1 year	0		2
1-9 years	7	Jan16, Feb22, Feb25, Mar12, Apr22, May18, Jun7	1-9 years	1	Jun2	8
10-19 years	1	Jan19	10-19	3	Jan22, May14, Jun3	4
20+	3	Mar5, Jun9(16), Jun9(17)	20+	0		3
Mine Site Experience			Mine Site Experience			
Less than 1 year	6	Jan19, Feb8, Feb25, Apr19, May18, Jun9(17)	Less than 1 year	1	Jan22	7
1-9 years	5	Jan16, Feb22, Mar12, Apr22, Jun7	1-9 years	2	May14, Jun2	7
10-19	1	Jun9(16)	10-19	1	Jun3	2
20+	1	Mar5	20+	0		1
Job/Task Experience			Job/Task Experience			
0-7 days			0-7 days	0		0
Less than 1 year	7	Jan19, Feb8, Feb22, Feb25, , Apr19, May18, Jun9(17)	Less than 1 year	0		7
1-9 years	5	Jan16, Mar5, Mar12, Apr22, Jun7	1-9 years	4	Jan22, May14, Jun2, Jun3	9
10-19	1	Jun9(16)	10-19	0		1
20+			20+			
Day of the Week:			Day of the Week:			
Sunday	1	Feb22	Sunday	0		1
Monday	3	Feb8, Apr19, Jun7	Monday	0		3
Tuesday	2	Jan19, May18	Tuesday	0		2
Wednesday	2	Jun9(16&17)	Wednesday	1	Jun2	3
Thursday	2	Feb25, Apr22	Thursday	1	Jun3	3
Friday	2	Mar5, Mar12	Friday	2	Jan22, May14	4
Saturday	1	Jan16	Saturday	0		1

2021 Fatal Comparison Chart (based on preliminary report data, fatal alerts, & final reports) Updated: 6/23/2021

2021 - Month	MNM	Coal	Totals	Difference	Totals	2020 - Month	MNM	Coal
January	2	1	3	+1	2	January	2	0
February	3	0	3	0	3	February	2	1
March	2	0	2	+2	0	March	0	0
April	2	0	2	+2	0	April	0	0
May	1	1	2	0	2	May	2	0
June	3	2	5	+2	3	June	3	0
July					3	July	3	0
August					3	August	3	0
September					2	September	2	0
October					5	October	2	3
November					3	November	2	1
December					3	December	3	0
2021 Total:	13	4	17	+7	29	2020 Total:	24	6

Product	2021 Fatal Dates	2021 Total	2020 Total	State (2021)	Total	MNM	Coal	Fatal Date
Alumina				Alaska	1	1	0	Jan16
Barium			1	Illinois	1	1	0	Mar5
Cement			1	Missouri	2	2	0	Feb8, Mar12
Clay				Montana	2	2	0	Jun9(16&17)
Coal	Jan22, May14, Jun2, Jun3	4	5	Nebraska	1	1	0	Apr22
Copper				Nevada	1	1	0	Feb25
Diatomaceous Earth				Pennsylvania	1	0	1	May14
Gold Ore			1	Tennessee	2	2	0	Feb22, May18
Granite			1	Texas	2	2	0	Apr19, Jun7
Gypsum				Utah	1	1	0	Jan19
Iron Ore				West Virginia	3	0	3	Jan22, Jun2, Jun3
Kaolin								
Lead Ore	Jan16	1						
Lime								
Limestone	Feb8	1	5					
Phosphate								
Platinum	Jun9(16&17)	2						
Sand/ Sand & Gravel	Jan19, Feb25, Mar5, Mar12, Apr22, Jun7	6	10					
Sandstone			2					
Shale								
Silver Ore								
Stone	Apr19	1	1					
Titanium								
Traprock								
Zinc	Feb22, May18	2						
				Part 48 = 8				Part 46 = 9
				All Coal = 4				Non Metal SUR = 9
				MNM: UG = 4				
				Metal: SUR = 0				

Month	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	TOTAL	AVG
January	3	2	2	1	2	3	5	1	3	2	1	24	2.18
February	3	3	0	2	3	1	1	5	5	3	3	29	2.64
March	2	0	3	3	3	3	5	2	3	5	2	30	2.73
April	2	0	0	1	0	2	0	6	3	2	2	18	1.64
May	2	2	3	1	2	2	4	6	1	5	1	29	2.64
June	5	3	2	3	3	4	3	6	3	2	4	38	3.45
July		3	3	1	4	2	2	2	4	4	2	27	2.7
August		3	5	2	2	1	4	3	3	2	3	28	2.8
September		2	2	1	3	3	2	3	3	5	4	28	2.8
October		5	0	6	4	1	0	3	5	1	6	31	3.1
November		3	2	2	0	0	0	6	5	4	4	26	2.6
December		3	2	4	2	3	3	3	4	1	4	29	2.9
Total:	17	29	24	27	28	25	29	46	42	36	36	337	2.68/mo

Average over past 10 years (2011-2020) = 36 per year

Average over past 5 years (2016-2020) = 27 per year

Stay Safe!

2021 – Combined Coal and MNM Fatal

Jan 16

Machinery

Alaska

On Saturday, January 16, 2021, a 47-year-old drill operator with over 7 years of experience was fatally injured while assisting another drill operator in removing the down-hole drill (DHD) from Company Drill #40-008. The driller was installing a J wrench on the DHD wrench slots when the DHD rapidly rotated in a counter-clockwise direction, crushing his right thigh between the J wrench and the drill mast. The machine power was on, and no action was taken to prevent unplanned movement of the DHD.

Cited Regulations: 48.27 and 56.14105

Root Cause:

- Adequate policies and procedures were not in place to ensure miners stayed clear of moving drill parts.
- Policies not in place to ensure that miners turned off or blocked equipment against hazardous motion while conducting maintenance activities.
- Policies were not in place to ensure miners were de-tooling the DHD within the scope of the manufacturer’s instructions.
- The task training program had a deficiency that allowed inadequacies in the miners’ training.

Best Practices:

- Establish and discuss safe work procedures before starting any task. When performing maintenance ensure the equipment is locked/tagged out and adequately blocked from all potential motion.
- Identify and control all hazards. Train all workers to recognize potential hazards and use safe job procedures to eliminate hazards before beginning work.
- Follow manufacturer’s procedures for using equipment, and monitor employees for compliance.
- Position yourself in a safe location away from potential “danger-zone” areas.
- Train miners to safely perform their tasks.
- Conduct equipment inspections and correct any defects affecting safety.

Use the following links to view additional information:

Preliminary Report	Fatal Alert	Final Report
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2021 – Combined Coal and MNM Fatal

Jan 19

Powered Haulage

Utah

On Tuesday, January 19, 2021, a 39-year-old truck driver with over 15 years of total mining experience backed a haul truck to the edge of a dump point that was over steepened by a loader removing material at the bottom of the slope. When the edge of the bank failed, the haul truck traveled backwards and overturned and landed on the roof of the cab.

Cited Regulation: 56.14130(g), 56.9304(a), 56.9301, 56.3130, 56.9304(b)

Root Cause:

- Adequate policies or procedures were not in place to dump material a safe distance from the edge of the dump site.
- Use mining methods that maintained slope stability of the dump bank were not being used. The mining method involved removing material from the toe of the dump bank, creating a hazardous condition at the dump site.
- Adequate dump site restraints were not provided.
- Dump sites were not inspected prior to dumping.
- Miners were allowed to not wear seat belts while operating mobile equipment.

Best Practices:

- Always dump material in a safe location. If ground conditions aren't reliable, dump loads a safe distance back and push the material over the edge.
- Never load material from the toe directly below an active dump point. This may lead to an over steepened and unstable slope.
- Never drive haul trucks beyond cracks on the top of the dump site.
- Always construct substantial berms as a visual indicator to prevent overtravel. Clearly mark dump locations with reflectors and/or markers.
- Always wear a seat belt.
- Install advanced systems that restrain miners during roll-overs.
- Maintain communication between equipment operators and loaders.
- Train miners to use safe dumping procedures and recognize dumping hazards such as material slides and other unsafe conditions.

Use the following links to view additional information:

Preliminary Report	Fatal Alert	Final Report
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Stay Safe!

2021 – Combined Coal and MNM Fatal

Jan 22

Powered Haulage

West Virginia

On Friday, January 22, 2021, a 38-year-old shuttle car operator with 11 years of experience received fractures to the right lower leg when the shuttle car he was operating was struck in the operator's compartment by another shuttle car. On February 21, 2021, the injured miner passed away as a result of the injuries sustained during the accident.

On May 11, 2021, the Chargeability Review Committee determined that this death should be chargeable to the mining industry.

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices:

- Install and maintain proximity detection systems on mobile section equipment.
- Communicate your presence and intended movements. Wait until miners acknowledge your message before moving your equipment.
- Do not tram equipment through ventilation curtains. Tram only through fly pads in designated haulage routes.
- Use clear curtains for fly pads and ventilation controls on working sections.
- STOP and SOUND an audible warning device before tramping equipment through fly pads. Ensure directional lights are on when operating mobile equipment.
- Avoid areas where equipment operators cannot readily see you.
- Wear personal strobe light devices to increase visibility.

<i>Use the following links to view additional information:</i>		
Preliminary Report	Fatal Alert	Final Report

Stay Safe!

2021 – Combined Coal and MNM Fatal

Feb 8

Powered Haulage

Missouri

On Monday, February 8, 2021, a 38-year-old ground-man with about 8 months experience was fatally injured when he became entangled in a fluted tail pulley while attempting to shovel under an adjacent fluted tail pulley.

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices:

- Design, install, and maintain area guards with signage and locks in addition to a physical barrier. Find more information on area guarding at <https://www.msha.gov/guarding-slide-presentation-guarding-conveyor-belts-metal-and-nonmetal-mines>.
- Design and maintain secure guards so miners can perform routine maintenance on belt conveyor systems without contacting moving machine parts.
- Do not perform work on a belt conveyor until the power is off, locked out and tagged, and machinery components are blocked against motion.
- Never clean pulleys or idlers manually while belt conveyors are operating.
- Establish policies and procedures for conducting specific tasks on belt conveyors.
- Ensure that people assigned to work on belt conveyors are task trained, understand the associated hazards, and demonstrate safe work procedures before beginning work.
- Ensure all new miners receive new miner training and task training.

Use the following links to view additional information:

Preliminary Report	Fatal Alert	Final Report
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Stay Safe!

2021 – Combined Coal and MNM Fatal

Feb 22

Powered Haulage

Tennessee

On Monday, February 22, 2021, a 26-year-old underground chute puller with over 5 years mining experience was fatally injured as a passenger of a rail-mounted locomotive when he was crushed between the deck of the locomotive and an overhead chute

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices:

- Install controls such as rail stops at loading points, crossings, etc., where track equipment must stop.
- Install reflective signs or warning lights well in advance of low clearance areas to alert miners of the upcoming hazard.
- Develop safe working procedures to avoid low clearance and pinch point areas. Monitor workers to ensure these procedures are followed.
- Always look in the direction the equipment is moving in, and keep all body parts within the operator's compartment while it is moving.
- Conduct proper travelway examinations to identify and mitigate the hazards presented by low clearances.
- Train all workers to recognize potential hazards and understand safe job procedures and tasks to eliminate hazards before beginning work

Use the following links to view additional information:

Preliminary Report	Fatal Alert	Final Report
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Stay Safe!

2021 – Combined Coal and MNM Fatal

Feb 25

Slip and Fall

Nevada

On Monday, February 25, 2021, a 26-year-old plant operator with over 3 years mining experience died after entering a cyclone discharge box. The local fire department recovered the victim lodged in an 18-inch wide discharge pipe that was full of water.

Cited Regulation: 46.7 and 56.16002(c)

Root Cause:

- The mine operator did not have adequate policies and procedures in place for confined space entry or safe access.
- Miners were not task trained on safe access or confined space entry policies and procedures.

Best Practices:

- Wear a fall protection harness, properly tie off to a permanent support structure, and attach a lifeline when entering a bin or other confined space. Have a second person monitor the lifeline to make sure there is no slack in the fall protection system.
- Use personnel lifts or ladders to safely access elevated work areas.
- Always use fall protection when there's a potential fall hazard.
- Examine work areas and equipment. Report defects and do not use unsafe work equipment.
- Assess risks and hazards before beginning maintenance activities.
- Train miners to safely perform their tasks and properly use their personal protective equipment.

Use the following links to view additional information:

Preliminary Report	Fatal Alert	Final Report
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Stay Safe!

2021 – Combined Coal and MNM Fatal

Mar 5

Machinery

Illinois

On Friday, March 5, 2021, a 63-year-old mine manager with 43 years of mining experience died while operating an excavator along an elevated roadway adjacent to a dredge pond. The ground under one excavator track sloughed off which causing it to overturn, fall about 13 feet, and slide into the pond.

Cited Regulation: 56.9300(a) and 56.18002(a)

Root Cause:

- Berms/guardrails were not installed on the elevated roadway where a drop off hazard existed.
- Policies and procedures were not in place ensuring that the miners conduct a workplace examination to identify and correct hazardous ground conditions before work commenced along the elevated roadway. Miners were allowed to perform work and travel in the area despite the existence of conditions that adversely affected safety.

Best Practices:

- Construct berms or install guardrails on roadways where a drop-off exists. Ensure berms and guardrails are at least as high as the mid-axle height of the largest equipment using the roadway.
- Examine and maintain roadways to prevent slope instability such as over steepened banks, sloughs, and cracking on the roadway and bank.
- Install locked gates at the entrances of roadways that are infrequently traveled. Post speed limit signs and install delineators at the edges of roads.
- Always wear seat belts when operating mobile equipment.
- When working near water, wear flotation devices and ensure combination seat belt cutter/window breaker tools are installed in equipment.
- Train equipment operators in the safe performance of their tasks, potential hazards, and the use of alternative/emergency exits in cabs. Examine these exits during preoperational examinations.

Use the following links to view additional information:

Preliminary Report	Fatal Alert	Final Report
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Stay Safe!

2021 – Combined Coal and MNM Fatal

Mar 12

Handling Material

Missouri

On Friday, March 12, 2021, a 35-year-old miner with 8 years of mining experience was fatally injured while attempting to insert a steel pin into a barge spud beam. The pin was partially inserted into the collar of the hole as the spud continued to lower into the spud well. The victim was struck in the face by the cantilever action of the safety pin.

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices:

- Always ensure hoisted equipment movement has stopped and the hoist operator has set the brake before working on hoisted equipment.
- Ensure the hoist operator can see miners working on hoisted equipment.
- Establish an effective communication protocol, which includes confirmation of instructions, between the hoist operator and miners working on hoisted equipment.
- Position yourself in a safe location to maintain balance and protection from any energy of cantilevering tools or objects.
- Stay in a Safe Zone when working around cables and sheave wheel systems.
- Always maintain a work area that is clean and clear of debris.
- Train equipment operators in the safe performance of their tasks and potential hazards.

<i>Use the following links to view additional information:</i>		
Preliminary Report	Fatal Alert	Final Report

Stay Safe!

2021 – Combined Coal and MNM Fatal

Apr 19

Powered Haulage

Texas

On Monday, April 19, 2021, a 28-year-old haul truck driver with 37 weeks of experience stopped his haul truck in front of his personal vehicle to get his lunch. While standing and eating his lunch, the haul truck rolled forward, pinning the miner between the haul truck and his personal truck.

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices:

- Do not leave mobile equipment unattended unless the controls are placed in the park position and the brake is set. NEVER use a steering column-mounted "dump brake" for parking.
- When parking mobile equipment on a grade, chock the wheels or turn them into a bank. Maintain equipment braking systems in good repair and adjustment.
- Position yourself in a safe location away from potential "danger-zone" areas.
- Train miners to safely perform their tasks.

Use the following links to view additional information:

Preliminary Report	Fatal Alert	Final Report
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Stay Safe!

2021 – Combined Coal and MNM Fatal

Apr 22

Powered Haulage

Nebraska

On April 22, 2021, a 53-year-old dredge operator with 6 years of mining experience was fatally injured when leaving the mine site in his personal pickup truck. The manual swing barrier gate was partially closed. A gate pole entered the truck's windshield as the pickup truck approached, striking the victim and causing fatal injuries.

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices:

- Ensure that manual swing barrier gates can be secured when opened or closed to prevent unintentional movement.
- Conduct thorough travelway examinations to identify and mitigate hazards.
- Paint or tape swing barrier gates with reflective and distinguished markings to differentiate them from their surroundings. Install additional lighting near barrier gates.
- Maintain proper speed for road conditions.
- Establish safe traffic patterns with proper signage.
- Be alert to road conditions and always keep a clear line of sight.

<i>Use the following links to view additional information:</i>		
Preliminary Report	Fatal Alert	Final Report

Stay Safe!

2021 – Combined Coal and MNM Fatal

May 14

Fall of Roof

Pennsylvania

On Friday, May 14, 2021, a 32-year-old continuous miner operator with 11 years experience was fatally injured when a piece of rock fell from the roof and struck him. The victim was working under unsupported roof.

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices:

- Never work or travel under unsupported roof.
- Thoroughly examine the roof, face and ribs where people will be working and traveling, including sound and vibration testing.
- Scale loose roof and ribs from a safe location. Prevent access to unsupported and hazardous areas until appropriate corrective measures can be taken.
- Follow the approved roof control plan and provide additional support when cracks or other abnormalities are detected. Never exceed the maximum cut depth specified in the approved roof control plan.
- Mark the second to last row of bolts with reflective material and train miners not to travel inby this location.
- Train miners to identify hazards from the roof, face and ribs.

Use the following links to view additional information:

Preliminary Report	Fatal Alert	Final Report
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Stay Safe!

2021 – Combined Coal and MNM Fatal

May 18

Machinery

Tennessee

On Tuesday, May 18, 2021. A 35-year-old contract laborer with a year mining experience died when struck by a trailer. A telehandler was towing a trailer with a diesel pump onboard up an inclined underground roadway when the tow hitch broke. The trailer rolled down the roadway, striking and fatally injuring the contract laborer.

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices:

- Use towing hardware (hitches, tow bars, receivers, couplers, pins, safety chains/cables, etc.) which is properly designed and rated. Before each use, examine towing hardware for wear, cracks, and other damage.
- Never exceed the recommended maximum towing capacity of a tow vehicle or trailer. Follow the manufacturer's recommendations and only use equipment designed for towing.
- Always use properly sized safety chains in conjunction with hitches. Safety chains keep the trailer connected to the tow vehicle in case the other tow hardware fails.
- Never position yourself directly behind equipment being towed uphill.
- Establish procedures for safe and proper towing. Train miners to follow these procedures and identify hazards associated with towing.

Use the following links to view additional information:

Preliminary Report	Fatal Alert	Final Report
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Stay Safe!

2021 – Combined Coal and MNM Fatal

June 2

Fall of Rib

West Virginia

On Wednesday, June 2, 2021, a 26-year-old CM Section Foreman with nearly 6 years of mining experience was fatally injured while installing a rib bolt. He was using a rib drill on the full face continuous mining machine when the corner of the mine rib sheared off and pinned him against the mining machine. The piece of rib that struck the victim consisted of rock and coal, and measured approximately 6 feet wide, 4.5 feet high, and 2 feet thick.

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices: Fatal Alert is not currently available.

- Support loose roof and rib material adequately or scale loose material from a safe location before working or traveling in an area.
- Examine the roof, face and ribs immediately before starting work in an area and throughout the shift as conditions warrant.
- Take additional safety precautions when mining heights increase and in areas where mine conditions change.
- Train miners to recognize roof and rib hazards and to stop work in the area until the hazards are corrected.

Use the following links to view additional information:

Preliminary Report	Fatal Alert	Final Report
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Stay Safe!

2021 – Combined Coal and MNM Fatal

June 3

Powered Haulage

West Virginia

On Thursday, June 3, 2021, 42-year-old section foreman was fatally injured when he was hit by a shuttle car. The victim was struck when he walked into the path of a loaded shuttle car that was traveling to the dump point.

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices:

- Install proximity detection systems on mobile equipment to protect personnel and eliminate accidents of this type.
- Be aware of your location in relation to movement of equipment, especially in lower seams.
- Sound audible warnings, distinguishable from surrounding noise, and reduce speed when approaching and before traveling through check curtains. Wear reflective clothing or strobe lights to aid visibility when working around mobile equipment.
- Ensure all personnel are clear of the traveling path and turning radius before moving equipment.
- Train miners and equipment operators to communicate their location and wait for acknowledgement before moving.

Use the following links to view additional information:

Preliminary Report	Fatal Alert	Final Report
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Stay Safe!

2021 – Combined Coal and MNM Fatal

June 7

Handling Material

Texas

On Monday, June 7, 2021, a 55-year-old hopper operator with over 6 years of mining experience entered the top of a primary feed hopper to remove a large rock. While trying to break up the rock, raw material that remained on the sides of the hopper sloughed off engulfing the miner.

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices: Fatal Alert is not currently available.

<i>Use the following links to view additional information:</i>		
Preliminary Report	Fatal Alert	Final Report

June 9

Powered Haulage

Montana

On Wednesday, June 9, 2021, two Development Supervisors/Foreman were fatally injured when their mantrip was struck by a 20-ton locomotive.

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices: Fatal Alert is not currently available.

<i>Use the following links to view additional information:</i>		
Preliminary Report	Fatal Alert	Final Report

MSHA investigates all deaths on mine property; however, some deaths are unrelated to mining activity and are not counted in the statistics MSHA uses to assess the safety performance of the mining industry. These deaths are termed "non-chargeable" and include homicides, suicides, deaths due to natural causes, and deaths involving trespassers.

MSHA uses a formal Fatality Review Committee to determine whether a questionable death is chargeable. Currently, there is not any 2021 mining accidents pending chargeability determination.

Stay Safe!

2021 – Combined Coal and MNM Fatals

The following are various links to [Safety Training Materials](#) on MSHA's website.

- Toolbox Safety Talks: <https://arlweb.msha.gov/epd/efsms/toolbox/>
- Mobile Equipment Safety: <https://www.msha.gov/training-education/safety-and-health-materials/safety-topic-mobile-equipment-surface-mines>
- Conveyor Systems: <https://www.msha.gov/training-education/safety-and-health-materials/safety-topic-conveyor-systems>
- Impoundments and Dams: <https://www.msha.gov/training-education/safety-and-health-materials/safety-topic-impoundments-and-dams>
- Seat Belts: <https://www.msha.gov/training-education/safety-and-health-materials/safety-topic-seat-belt-usage>
- Guarding: <https://www.msha.gov/guarding-slide-presentation-guarding-conveyor-belts-metal-and-nonmetal-mines>
- Training Videos: <https://www.msha.gov/msha-training-videos>
- Another very helpful item is MSHA's Data Retrieval System. With your Mine ID number, you can research the violation history and accident history of the mine. This is great site-specific information to use during annual refresher. When you type in the ID number, it will pop up a suggestion; always click on the suggestion instead of clicking enter. <https://www.msha.gov/mine-data-retrieval-system>

Stay Safe!