

Virginia DMME/DMM

# MSHA FATALITY REVIEW 2012

# Seventeen 2012 Fatalities

- ⦿ Powered Haulage – 6
- ⦿ Fall of Face/Highwall – 2
- ⦿ Fall of Person – 3
- ⦿ Falling/Sliding Material – 2
- ⦿ Machinery – 3
- ⦿ Materials Handling - 1

- **There are 7 coal fatalities included here because the causes are universal.**

Six Fatalities M/NM

One Fatality Coal

**Powered Haulage**

# Maryland

## January 27, 2012

- A 69 year-old mobile equipment operator with 48 years of experience was killed at a cement operation. The victim was cleaning a tailpiece with a skid steer loader. He backed the loader in a drainage ditch, traveled in reverse about 150 feet, and went into a 5½-foot deep water hole.



# Kentucky

May 15, 2012

- A 37 year-old haul truck driver with approximately 2½ years of experience was killed at an underground crushed stone operation. The victim was operating a loaded articulated haul truck down a slope when the truck went out of control and struck a rib. The tractor of the truck (cab) overturned. The victim was found outside of the cab and had been run over by the truck.



# New York

## May 28, 2012

- ◉ A 51-year old shift operator with 13 years of experience was killed at a cement operation. The victim was found near the plant's crane bay building after being struck by a front-end loader. He was walking from the lunchroom toward the locker area.





# New York

## June 21, 2012

- A 49-year old customer truck driver with no mining experience was killed at a surface stone mine. He was driving a loaded dump truck, traveling down a grade, when the truck lost its brakes and went out of control. The victim jumped out and the truck ran over him. A passenger in the truck also jumped out and was treated at a hospital and released.



# Colorado – Coal

## July 14, 2012

- A 25-year old water truck driver with 31 weeks of experience was killed at a surface mine. The victim was driving a water truck down a grade in an active work area of the mine when he lost control of the truck. The truck struck a berm on the right side of the roadway, traveled across the roadway, struck an embankment on the left side of the roadway and overturned, ending up facing opposite the original direction of travel. The victim was found ejected from the truck.





# Montana

## July 26, 2012

- A 49-year old equipment operator with 18 weeks of mining experience was killed at a portable crushing operation. He was standing on the discharge end of a 150-foot stacker belt conveyor, greasing the head pulley, when a coworker started the conveyor. The victim fell off the conveyor approximately 50 feet to the ground below.



# Nebraska

October 24, 2012

- A 52-year old utility miner with 19 years of experience was killed on the surface of an underground limestone mine. He was operating a forklift, traveling on a decline toward the mine entrance, when the forklift went out of control. The forklift struck a concrete support for the belt conveyor and overturned, killing him.



One Fatalities M/NM

# Fall of Face/Rib/Highwall

# Alabama

February 14, 2012

- A 40 year-old mine owner with 8 years of experience was killed at a shale operation. The victim was operating an excavator with a rock breaker attachment. He was breaking and mining material from a near vertical wall when the face fell onto the cab of the excavator, crushing him.



Two Fatality M/NM

Three Fatalities Coal

**Fall of Person**

# Florida

February 22, 2012

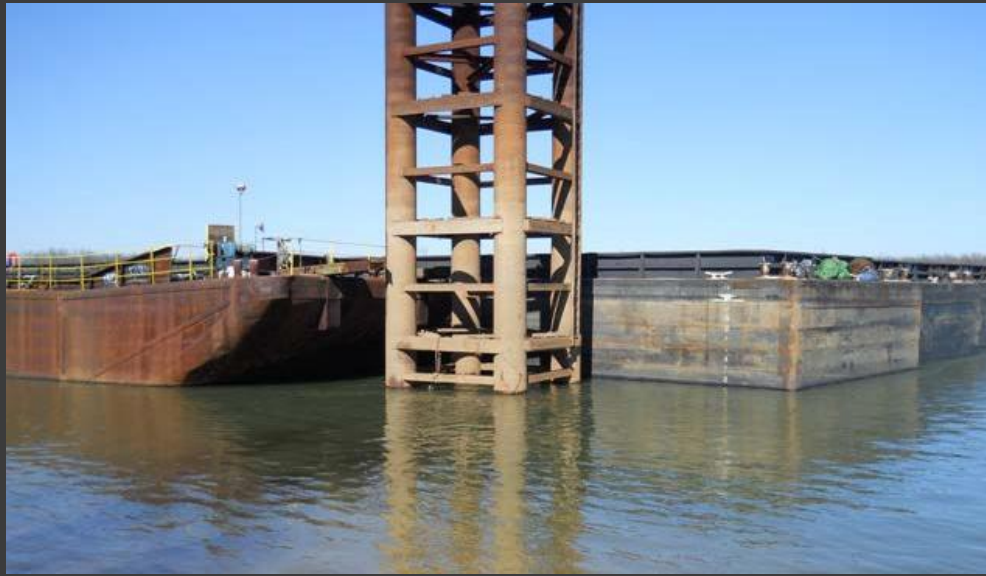


- A 46 year-old plant mechanic with 7 years of experience was injured at a crushed stone operation when he fell 16 feet from an elevated walkway of a conveyor to the ground below. The victim and a coworker had been bolting a snub pulley in position. The coworker was positioned on a walkway on the other side of the belt. The victim was hospitalized and died on February 26, 2012.



# Kentucky – Coal

## February 26, 2012



- ⦿ A 52-year-old deckhand with 4 years of mining experience was determined missing. He had been assigned the task of measuring the draft of a set of empty barges that were to be loaded. He had to cross from the dock to the first empty barge. Witnesses observed him on the empty barge walking up-river on the barge. He apparently fell from the barge into the water. Co-workers saw his cap in the water and immediately called for the rescue squad. The victim was found beneath the bow of the dock at approximately 2:30 a.m. The miner was wearing a flotation device, but the flotation device was not designed to keep an unconscious miner's face above water.

# Kentucky – Coal

April 25, 2012



- A 61-year-old demolition contractor with approximately 20 years of experience was killed from injuries received while dismantling a conveyor stacker belt from the surface area of an inactive underground coal mine. The victim had completed the final torch cut on an elevated, inclined stacker frame support beam containing the counter-weight, when the structure fell. The structure contacted the walkway (catwalk) where the victim was located. This section of the walkway broke loose from the main structure, causing the victim to fall approximately 27 feet.

# West Virginia – Coal

May 17, 2012



- A 57-year-old mechanic was killed at a coal preparation plant. The victim was standing on a 14-foot fiberglass extension ladder when it became unstable and slid across an I-beam. He fell down an adjacent hoist well opening 39 feet to the concrete floor below. He was attempting to cut and remove a 12-inch hoist beam located above the third floor in the plant.

# Arizona

## September 22, 2012



- A 34-year old contract laborer with 6 days of experience was killed when he fell through a 6 ft. X 8 ft. hole that was partially covered with 2" X 4" boards and  $\frac{3}{4}$ " thick plywood. He fell into a chute landing on a belt conveyor 30 feet below. The victim was assigned fire watch duties on a welding/cutting operation that was taking place on the floor above him.

Two Fatality M/NM

# Falling/Sliding Material



# North Carolina

## April 11, 2012



- A 49 year-old excavator operator with approximately 8½ years of experience was injured at a sand and gravel operation. The victim was removing bolts from a counterweight on the back of an excavator when the counterweight fell and struck him. He was hospitalized and died on April 12, 2012, as a result of his injuries.



# Florida

August 17, 2012

- A 58-year old equipment operator with 19 years of experience was killed at a cement operation. The victim was working on the roof of a 189-foot tall silo when the roof collapsed. Rescuers responded immediately and recovered the victim on September 4, 2012.



Three Fatalities M/NM

One Fatality Coal

**Machinery**

# Ohio – Coal

## March 17, 2012

- A 55-year-old surface foreman with 19 years of mining experience was killed when he was caught between the frame of a highwall miner transportation dolly and a front-end loader with a duck bill attachment.



# Oklahoma

## May 23, 2012



- A 36 year-old foreman with about 9½ years of experience was killed at a sand and gravel operation. He was operating an excavator on a dike separating two ponds. The ground beneath the excavator tracks failed and the excavator toppled into one of the ponds.

# California

## September 26, 2012

- ◉ A 79-year old foreman with 56 years of experience was killed when he was run over by the dozer he had been operating. The victim exited the cab and was positioned on the left track checking the engine throttle linkage when the dozer moved forward.





# New York

## November 1, 2012

- ◉ A 30-year old contract driller with 6 years of experience was killed at a common shale operation. The victim apparently attempted to thread a new drill steel manually, with the use of a strap and the drill head rotating, when the rotating steel entangled him.





One Fatality – M/NM

One Fatality - Coal

# Materials Handling

# Kentucky – Coal

## March 3, 2012



- A 32-year old foreman was killed while attempting to install a canopy on a Joy 21 SC Shuttle Car. The canopy was suspended from the mine roof by a cable and chain. The foreman was seated in the operator's compartment of the shuttle car beneath the suspended canopy. The canopy shifted and fell, striking the foreman in the head, causing fatal injuries. The victim had 11 years of mining experience, 2 years and 6 weeks experience at this mine, and 32 weeks of experience as a foreman.

# Georgia

October 10, 2012

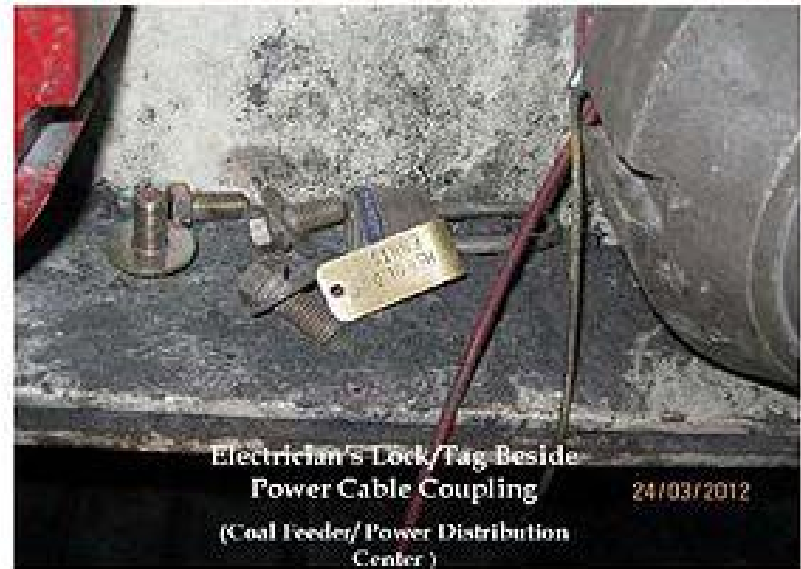


- A 55-year old contract painter with 35 years of experience was killed at a kaolin and ball clay operation. He was standing on the bottom of a 40-foot high, 50-foot diameter tank that was open to the atmosphere and covered with mesh cloth material. He was spraying coal tar on the inside walls of the tank and was found unconscious by coworkers. He was recovered by emergency personnel and pronounced dead at a hospital.

One Fatality - Coal  
**Electrical**

# Alabama – Coal

## March 23, 2012



- A 37-year old electrician, with approximately 3½ years experience (approximately 1½ years as an electrician), was killed when he contacted the energized conductors of a shuttle car trailing cable. He was making the final electrical connections for a replacement cable reel when he was electrocuted.

# Summary



# Age And Experience

## ⦿ Age

- 30 – 39 years: 4
- 40 – 49 years: 5
- 50 – 59 years: 3
- 60 + years: 2

## ⦿ Mine Experience

- < 1 year: 3
- 1 – 5 years: 1
- 6 – 10 years: 5
- 11 – 20 years: 3
- 20+ years: 3

## ⦿ Job/Task Experience

- < 1 week: 1
- < 1 year: 1
- 1 – 5 Years: 3
- 6 – 10 years: 2
- 11 – 20 years: 1
- 20+ years: 1

# Accident Types

METAL/NONMETAL DAILY FATALITY REPORT - Year End 2012										
FATALITIES CHARGEABLE TO THE METAL/NONMETAL MINING INDUSTRY	2008		2009		2010		2011		2012	
	UG	S	UG	S	UG	S	UG	S	UG	S
ELECTRICAL	1	1	0	1	0	1	0	1	0	0
EXP VESSELS UNDER PRESSURE	0	0	0	0	0	1	0	0	0	0
EXP & BREAKING AGENTS	0	0	0	0	1	0	1	0	0	0
FALL/SLIDE MATERIAL	0	3	0	3	3	3	0	1	0	2
FALL OF FACE/RIB/HIGHWALL	0	0	0	0	1	0	0	0	1	1
FALL OF ROOF OR BACK	3	0	1	0	1	0	2	0	0	0
FIRE	0	0	0	0	0	0	0	0	0	0
HANDLING MATERIAL	0	1	0	0	0	0	0	0	0	0
HAND TOOLS	0	0	0	0	0	0	0	0	0	0
NONPOWERED HAULAGE	0	0	0	0	0	0	0	0	0	0
POWERED HAULAGE	3	2	1	4	0	7	1	3	2	4
HOISTING	0	0	0	0	0	0	0	0	0	0
IGNITION/EXPLOSION OF GAS/DUST	0	0	0	0	0	0	0	0	0	0
INUNDATION	0	0	0	0	0	0	0	0	0	0
MACHINERY	1	2	0	4	1	2	0	3	0	3
SLIP/FALL OF PERSON	0	5	1	1	0	1	1	2	1	2
STEP/KNEEL ON OBJECT	0	0	0	0	0	0	0	0	0	0
STRIKING OR BUMPING	0	0	0	0	0	0	0	0	0	0
OTHER	0	1	0	1	0	1	0	1	0	1
<b>YEAR TO DATE TOTALS</b>	<b>8</b>	<b>15</b>	<b>3</b>	<b>14</b>	<b>7</b>	<b>16</b>	<b>5</b>	<b>11</b>	<b>4</b>	<b>13</b>
<b>COMBINED YEAR TO DATE TOTALS</b>	<b>23</b>		<b>17</b>		<b>23</b>		<b>16</b>		<b>17</b>	
<b>END OF YEAR TOTAL</b>	<b>23</b>		<b>17</b>		<b>23</b>		<b>16</b>			

Virginia

- ⦿ Skid Steer
- ⦿ Jaw Crusher
- ⦿ Drowning