

INDIANA BUREAU OF MINES ANNUAL REPORT 2010



Mitchell E. Daniels, Jr.

Governor

Message from Governor Daniels

From steel to RVs to automobiles, we make things in Indiana. And this productivity is powered by home-grown coal. But this resource, which is so crucial to the Hoosier economy, would be out of reach if not for our coal miners. Their safety is paramount. In fact, Indiana's goal is zero lives lost, and zero injuries. Because of this, Indiana State Government dedicates the appropriate time, training, resources, and oversight to do everything possible to make sure that when the day ends and the coal belt stops, every miner goes home safe and sound. Their families, and our future, depends on it.

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Indiana Department of Labor

The Indiana Bureau of Mines and Mine Safety is a branch of the Indiana Department of Labor. The Bureau is under the supervision and direction of the Commissioner of Labor for the state of Indiana, Lori Torres. The bureau is staffed by the Director and the Indiana Mining Board.

The work of the Indiana Bureau of Mines and Mine Safety includes several distinct obligations. It includes collecting and indexing active and inactive underground mine maps, supervising state mine inspectors, maintaining a record of the mining board's official actions and assisting the mining board in administering certification examinations. The Bureau issues miner licenses, miner permits and certificates of competency.

Finally, the Bureau is required to maintain and train at least one mine rescue team.

The Bureau of Mines affords public access to mine maps and records not only through our office, but through the efforts of the Indiana Geological Survey. IGS stores mine information on digitized discs and has a website available to access any active or inactive mine map or location in the state of Indiana. It can be accessed at: <http://coalminemaps.indiana.edu/>.

It is the goal of the Indiana Bureau of Mines to ensure the safety of each underground coal miner in the state. This mission is accomplished through mine inspections, miner training and mine rescue team training.

We are dedicated to the protection of our Indiana underground coal miners and endeavor to always emphasize, as Mark Twain so eloquently stated, "It is better

to be careful 100 times than to be killed once."

Indiana Law requires the Commissioner of the Indiana Department of Labor to annually forward a report from the mining board to the legislative council to request funding for additional mine inspectors. The law also requires the director of the Indiana Bureau of Mines and Mine Safety to annually provide a statistical report to all mines that have mine rescue teams. This report addresses both of those responsibilities.

Donald "Blink" McCorkle
Director
Indiana Bureau of Mines

Indiana Mine Rescue

The state of Indiana has a fully equipped mine rescue station, located under the supervision of the Indiana Bureau of Mines, at Vincennes University. This mine rescue station has all the required equipment to fully outfit and maintain two mine rescue teams. This station is housed in a mobile mine rescue van. This van is equipped to service all the mine rescue equipment to make sure it is always ready should it be needed.

The state of Indiana has a fully trained mine rescue team that meets and exceeds recommended training requirements. This team is composed of dedicated volunteers from Carlisle Mine (Sunrise Coal Company) and Freelandville East and West Mines (Triad Coal Company). Prosperity Mines (Five Star Coal Company and Oaktown Fuels #1 Mine (Black Panther Coal Company)) have a composite team made up of mine rescue team members from each of these mines and they contract with the Indiana state team.

These two teams provide mine rescue coverage for five of the state's underground coal mines. They cover Carlisle Mine, Freelandville East Mine, Freelandville West Mine, Prosperity Mine, and Black Panther Coal Company's Oaktown Fuels #1 Mine.

In addition to the mine rescue teams listed above, other coal companies have one or more private mine rescue teams. The other four teams are comprised of two teams of Gibson Coal Company, which cover its Gibson Mine, and Peabody Coal Company's two mine rescue teams covering its Air Quality #1 Mine and Francisco Mine. Each rescue team, whether a private team, composite team or contract team, will always be ready to assist each other in the event Indiana has a mine emergency.

The state mine rescue team competed in four mine rescue contests this year, including The Robert Earl Jones Mine Rescue Contest in Ina, Illinois, the WKMI Mine Rescue Contest in Madisonville, Kentucky, the Indiana State

Mine Rescue Contest in Vincennes, Indiana, and the Illinois State Mine Rescue Contest in Ina, Illinois.

These mine rescue contests hone the skills of each mine rescue team member. These contests challenge the knowledge of mine rescue teams by submitting them to simulated mine disasters that range from mine fires, explosions, floods, roof falls, etc. The teams are awarded for their skills and abilities, and these contests create a competitive spirit and yearly bragging rights for the winners. Moreover, these contests offer discipline and leadership training. Mine rescue is, by its very nature, demanding, yet mine rescue members would willingly risk their lives to save those of their fellow miners if called upon to do so.

The Indiana State team is trained by The Indiana Bureau of Mines with the cooperation of the mine operators, mine rescue team members and Vincennes University.

Additional mine emergency rescue drill training for mine operators was also facilitated by the Bureau of Mines. This training consisted of a meeting of the mining community to discuss Emergency Response Plans (ERP) of each mine and share ideas for improvement and efficiency in mine rescue emergency procedures. Each mine in the state of Indiana sent at least one attendee. This event was a tremendous success and allows for continuous improvement in the safety of Indiana's underground mines.

First row right to left:

Neil Stakeman

David Lay

Steve Zygai

Second row left to right:

Joby Johnson

Eric Terrell

Jeremy Robertson

Keith Messel

Dave Daniels



2010 State of Indiana Mine Rescue Team Members:

Dave Daniels
Carlisle Mine

Joby Johnson
Freelandville Mine

David Lay
Carlisle Mine

Keith Messel
Carlisle Mine

Jeremy Robertson
Freelandville Mine

Neil Stakeman
Freelandville Mine

Eric Terrell
Freelandville Mine

Steve Zygai
Carlisle Mine

Team Trainers:

Don "Blink" McCorkle
Indiana Bureau of Mines

Greg Xanders
Peabody's Mine Rescue Trainer



Indiana Active Underground Coal Mines

<i>Coal Mine</i>	<i>Number of Employees</i>	<i>Reportable Accidents</i>	<i>Lost Time Accidents</i>
Peabody Coal Company Air Quality Mine #1 Monroe City, Indiana, Knox County	218	7	7
Peabody Coal Company Francisco Mine Francisco, Indiana, Gibson County	305	16	11
Five Star Mining Company Prosperity Mine Petersburg, Indiana, Pike County	348	12	7
Gibson County Coal Company, LLC. Gibson Mine Princeton, Indiana, Gibson County	306	25	8
Sunrise Coal Company Carlisle Mine Carlisle, Indiana, Sullivan County	295	21	10
Triad Underground Mining Freelandville East Mine Edwardsport, Indiana, Knox County	65	2	3
Black Panther Mining, LLC. Oaktown Fuels #1 Mine Oaktown, Indiana, Knox County	193	4	3
Triad Underground Mining Freelandville West Mine 13333 East Hartsburg Rd. Edwardsport, Indiana, Knox County	23	0	0
TOTALS	1753	87	49

Indiana Underground Coal Mining Statistics Report

<i>Mine</i>	<i>Tons of Clean Coal Produced</i>	<i>Coal Seam Number</i>
Air Quality #1 Mine	1,131,245 tons	#7
Carlisle Mine	3,046,685 tons	#5
Francisco Mine	2,717,922 tons	#5
Freelandville East Mine	541,925 tons	#5
Gibson Mine	3,124,104 tons	#5
Prosperity Mine	2,684,634 tons	#5
Oaktown Fuels #1 Mine	1,014,966 tons	#5
Freelandville West Mine	15,304 tons	#5
TOTAL CLEAN COAL TONS	14,276,785 tons	



Did you know...

A coal seam is a stratum bed of coal layered throughout the earth's strata. Each number identifies a different seam or layer of coal in the earth's strata.

Indiana Mining Board

Appointed by the Governor to serve a four-year term, members of the Indiana Mining Board have many responsibilities. The Board administers certification examinations to the state's coal miners the second Saturday of each quarter for classifications of Mine Foreman, Mine Examiner, Belt Examiner, Hoisting Engineer and Shot Firer. Other responsibilities include administering discipline as necessary and the revocation of issued licenses as appropriate. Indiana Mining Board also collects and disseminates information concerning the nature, causes and prevention of mine accidents and the improvement of methods, conditions and equipment in the mine.

The Indiana Board recommended to the Office of Management and Budget that funding for an additional mine inspector commence in fiscal year 2013. At the time of the production of this report, there are 8 operating underground coal mines. Up to 3 more are anticipated in the next 2 years. Additional funding for a mine inspector trained in mine rescue training, mine hazards and federal regulatory requirements will be necessary to meet the Bureau's duty under Indiana Law. Such funding was included in the budget submitted to the General Assembly. Other statistics of interest are included throughout this publication.

The Mining Board exercises its authority to require mines to provide adequate personnel for the Indiana Mine Rescue Team. The Board executes and administers the laws of the state of Indiana concerning underground coal mines stipulated in [Indiana Code 22-10-1.5-5](#)



State of Indiana Mining Board Members

Tim Emmons
Chairman

John Stachura

Terry Mooney

Bob Mowery

Chris Whitehead



Did you know...Indiana underground coal mines use the room and pillar method of mining, rather than longwall mining. The room and pillar method uses cross cuts, and leaves pillars of coal in the ground. Longwall mining is a form of underground coal mining where all of the coal is removed and the layers of strata collapse behind the longwall shear.

Message from Commissioner Torres



As Indiana continues to diversify its energy sources to include solar, battery, wind and natural gas, we still rely primarily on coal. Technology continues to reduce the deleterious environmental effects of burning coal. With hundreds of years of readily available coal deposits here in Indiana, we must have safe and healthy work environments for our state underground miners. Indiana's mines vary from mines you can walk into and be at the mine's face in a couple of minutes like the Freelandville West Mine, to being 500 feet below ground requiring access by an elevator shaft like the Gibson Mine.

Technology continues to reduce the deleterious environmental effects of burning coal. With hundreds of years of readily available coal deposits here in Indiana, we must have safe and healthy work environments for our state underground miners. Indiana's mines vary from mines you can walk into and be at the mine's face in a couple of minutes like the Freelandville West Mine, to being 500 feet below ground requiring access by an elevator shaft like the Gibson Mine.

The combustibility of coal dust, the unique geological characteristics of not just each mine, but each section of each mine, contribute to the challenges of our mine operators. In 2010, Indiana coal mine operators produced 5% more coal than the year before and employed 10% more workers than in 2009.

The year 2010 was not a good year for coal miners across the country. Twenty nine miners lost their lives in West Virginia at the Upper Big Branch Mine. Across the country, forty eight underground coal miners died. Indeed, even in Indiana, one miner was killed when his coal truck left the above ground haul road and crashed, killing the driver. The Bureau of Mines and the Mining Board continue their efforts to educate miners and operators so that this number is zero.

Despite having a number of duties assigned to it by the legislature, the critical mission of the Bureau of Mines is to protect our underground miners and provide top flight mine rescue teams in the event of a disaster.

Using our state resources, building bridges of communication and collaborating with all stakeholders in the mining community is a hallmark of the Indiana Bureau of Mines.

Commissioner Lori Torres
Indiana Department of Labor

VISIT US ON THE WEB
WWW.IN.GOV/DOL

EMAIL: MINES@DOL.IN.GOV

Indiana Mining by the Numbers

2010 Miner's Permits, Licenses and Certifications Issued

<i>Miner's Permits Issued</i>	338
<i>Miner's Licenses Issued</i>	186

<i>Miner's Certifications</i>	<i>Totals</i>
Mine Foreman Certifications Issued	65
Mine Examiner Certifications Issued	28
Belt Examiner Certifications Issued	4
Hoisting Engineer Certifications Issued	17
Shot Firer Certifications Issued	3
Total Certifications Issued	117



Did you know... Mining has an injury and illness rate in Indiana of 3.3 injuries per 100 FTE's, which is lower than the injury and illness rates for health care, manufacturing and retail trades?

Bureau of Mines Metrics

<i>2010 Goal Metric</i>	<i>Totals</i>
Mine Inspections—minimum inspections of 8 per quarter	56
Procured items for mine rescue/new technology training and review hours	19
Mine Rescue Competitions	5
Mine Rescue Practice -8 hour sessions	16
Mine Rescue Training sessions	16

All permits, licenses and certifications were issued within 24 hours of successful test taking.

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