

2011 State of Indiana Coal Report



INDIANA DEPARTMENT OF LABOR

Advancing the safety, health and prosperity of Hoosiers in the workplace

April 2012

A Word from Governor Daniels



Mitchell E. Daniels, Jr.
Governor of Indiana

Indiana's coal mines demonstrated again in 2011 how efficient and productive they were, while continuing to emphasize the protection of workers. More coal was produced with approximately the same number of miners, with no increase in injuries. Indiana will not accept the status quo and we will continue to work for increased efficiency and fewer injuries. The Indiana Mining Board and the Bureau of Mines remain forward thinking as they budget for needed rescue equipment and look for ways to increase safety. Indiana continues to be a leader in coal production and the health and safety of our miners will always be a primary focus.

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A Word from Commissioner Torres

The Indiana Department of Labor is pleased to present you with the 2011 Coal Report. This report fulfills both the requirement in Indiana Code 22-10-12-13 for the director of the Bureau of Mines to provide an annual statistical report to the mines, as well as the report required by the Indiana Mining Board to the legislative council under 22-1-1-11.

There is good news in the state's mining industry. According to the federal Bureau of Labor Statistics, the number of Hoosiers employed in the mining industry (surface and underground) has remained steady for the last three years. Indiana underground coal mines report that the number of employ-

ees is up in 2011 over 2010, and that the amount of clean coal produced is up more than 13% over 2010 volume. While steady employment and higher productivity is essential, it pales in comparison to the occupational safety and health of mining employees.

Indiana underground coal mines remained fatality free in 2011. This accomplishment is due to training and commitment by the mine operators to employee safety, a willingness by miners themselves to work safely, the rigor of the Mine Safety and Health Administration (MSHA) and the collaborative approach of the Indiana Bureau of Mines. Even with more

underground employees producing more clean coal, the number of injuries and illnesses is essentially the same as the prior year. And while this is positive, the Bureau of Mines seeks steady improvement, and will continue to offer mine rescue training, a skilled state composite mine rescue team and that ever important second set of eyes through its Chief Mine Inspector.

I am certain you will find some useful information to help make clear the progress being made in Indiana. Please feel free to contact us with your thoughts, feedback, comments or concerns by emailing mines@dol.in.gov or

phoning 812-888-4514. The Indiana Department of Labor and the Indiana Bureau of Mines is committed to assisting you with your safety goals.



Lori Torres

Lori Torres
Commissioner

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Indiana Bureau of Mines and Mine Safety

The Indiana Bureau of Mines and Mining Safety is a branch of the Indiana Department of Labor. The Bureau is under the supervision and direction of Commissioner Lori Torres. The bureau is staffed by the Director, the Chief Mine Inspector (who rejoined the bureau earlier this year) and the Indiana Mining Board.

The Bureau of Mines affords public

access to mine maps and records not only through our office, but through the tireless efforts of the Indiana Geological Survey, who stores mine information on digitized discs and has a website available for limited access to active mines and full access to inactive mine maps and locations in the state of Indiana.

The Bureau of Mines' main responsibility is to ensure that each under-

ground coal miner has a safe work environment. This is accomplished through regulators, employers, and employees working toward a common goal of performing all tasks safely, no matter how routine they may be. By doing so, a safe mining industry is good for Hoosier families and the Hoosier economy.

There is no safe way to do an unsafe act.

The Indiana Mining Board for the State of Indiana

The Mining Board executes and administers the laws of the state of Indiana concerning underground coal mines.

Its main duties include collecting and distributing information concerning the nature, causes, and prevention of mine accidents and the improvements of methods, conditions, and equipment of mines with special reference to health and safety and the conservation of mineral resources and the economic conditions respecting mining and the mining

industry. They also submit any bills embodying legislation that the board may agree upon to the General Assembly.

For the 2012 session, the Mining Board proposed legislation to the Indiana General Assembly that will allow the state to certify electricians in the underground coal mines. Through an agreement with the federal Mine Safety and Health Administration District 8 counterparts, we hope to accomplish this task and alleviate the burden of the Mine

Safety and Health Administration.

The State Mining Board and Director of Mines, Don "Blink" McCorkle, meet quarterly to administer the state certifications for the underground miners. 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. This board also monitors policies and addresses any problems that should arise.

Mining Board Members

*Tim Emmons
Chairman*

John Stachura

Terry Mooney

Bob Mowery

Chris Whitehead



Mission Possible—Zero Fatalities!

2011 was a fatality free year in our Indiana underground coal mines!

While this is a noteworthy accomplishment, there were a total of nine fatalities in our underground coal mines nationwide.

When a family member is notified that their father, mother, son, daughter, brother, or sister will not be returning home at the end of their shift because of an injury or fatality, that is a clear indication that there is still more work that needs to be done.

The Bureau of Mines' mission to accomplish a fatality and injury free environment is possible. The technology in the industry, along with the dedication of mine management, miners, the federal Mine Safety and Health Administration and the state of Indiana working together make it possible.

The miners' commitment to working safely is a priority on and off the job.

Indiana Bureau of Mines and Mine Safety

*Donald "Blink" McCorkle,
Director*

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Vincennes University
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**We are on the web
www.in.gov/dol**

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Reportable and Lost Time Accidents

	Reportable Accidents/Injuries	Lost Time Accidents/Injuries
1. Peabody Coal Company Air Quality #1 Mine Monroe City, Indiana Knox County Employees: 245/46 Temps	8	7
2. Peabody Coal Company Francisco Mine Francisco, Indiana Gibson County Employees: 272	11	6
3. Five Star Mining Company Prosperity Mine Petersburg, Indiana Pike County Employees: 353	17	7
4. Gibson County Coal Company Gibson Mine Princeton, Indiana Gibson County Employees: 345	20	4
5. Sunrise Coal Company Carlisle Mine Carlisle, Indiana Sullivan County Employees: 320	22	7
6. Triad Underground Mining Freelandville East Mine Edwardsport, Indiana Knox County Employees: 46	1	0
7. Triad Underground Mining Freelandville West Mine Edwardsport, Indiana Knox County Employees: 47	0	0
8. Black Panther Mining LLC Oaktown Fuels #1 Mine Oaktown, Indiana Knox County Employees: 306	11	5
Total # Employees 1934 plus 46 temps	Total # 90	Total # 36

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Mines	Tons of Clean Coal Produced	Coal Seam*
Air Quality #1 Mine	1,150,099	#7
Carlisle Mine	3,297,224	#5
Francisco Mine	2,966,915	#5
Freelandville East Mine	384,000	#5
Freelandville West Mine	167,887	#5
Gibson Mine	3,376,883	#5
Prosperity Mine	2,458,313	#5
Oaktown Fuels #1 Mine	2,667,948	#5
TOTAL CLEAN COAL TONS	16,469,269	

**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.*

2011 Miner's Permits, Licenses, and Certifications Issued

Mine Foreman Certifications issued	85
Mine Examiner Certifications issued	25
Belt Examiner Certifications issued	17
Hoisting Engineer Certifications issued	25
Shot Firer Certifications issued	0
Total Certifications issued	152
Miner's Permits Issued	410
Miner's Licenses Issued	389
Total Permits & Licenses issued	799

Did you know...

Each year the Mining Board imposes an assessment on the operators of underground mines to purchase and maintain underground mine rescue equipment. Those funds are deposited into the mine safety fund, which is a dedicated fund. Over the last several years, the Mining Board and the Bureau of Mines have been collecting funds and exercised long range planning for the purchase of breathing apparatuses for underground rescues. The apparatuses currently in use are more than 16 years old and are in need of being replaced. Careful budgeting will allow these new apparatuses to be purchased after collection of the 2012 assessment.

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The Indiana Mine Rescue Team—Mock Drill

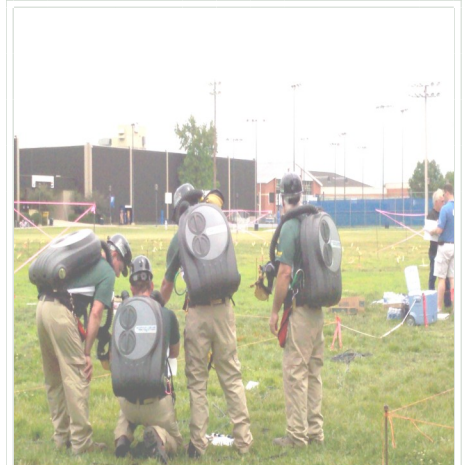
The team is trained by Don "Blink" McCorkle, Indiana Bureau of Mines, and Greg Xanders, senior instructor at Peabody's Midwest Training Center and Peabody's Mine Rescue Trainer.

The Bureau of Mines with the cooperation of the mine management of Black Panther's Oaktown Fuels #1 mine, mine rescue team members, all our Indiana underground mines, and Vincennes University held a mine emergency response drill on November 15th, 2011. The drill was done in real time and mine rescue teams were called out to a mock mine fire

(smoke included) on Unit #1 of Oaktown Fuels #1 mine. A command center was set up to negotiate all of the tasks that accompany a mine emergency, including notifying mine rescue teams, verifying their route, communications, mine evacuation, federal and state notification procedures, accounting for all miners, locating missing miners, providing adequate security on the mine site, handling news media, preparing areas for the mine rescue teams to gather and gear up, supplying mine maps for the teams and command center, and arranging supplies, food,

lodging, a family center, clergy, morgue, etc.

This drill prepared the miners in the event of a real mine emergency. Mistakes were made and solutions to correct those mistakes were immediately addressed. The information that is gathered from these exercises are shared mine to mine and state to state. Hopefully by fine tuning our training and continuing to have mine emergency response drills (MERDS) like this one, it may save a life someday. We are training the miners to recognize a problem before it becomes an emergency.



Indiana Mine Rescue Team

Front row L-R: Joby Johnson (Freelandville Mine), Dave Lay (Carlisle Mine), Keith Messel (Carlisle Mine) and Neal Stakeman (Freelandville Mine)

Back row L-R: Eric Terrell (Freelandville Mine), Dave Daniels (Carlisle Mine), Steve Zygai (Carlisle Mine), Jeremy Robertson (Freelandville Mine) and Indiana Department of Labor Commissioner Lori Torres

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Indiana Underground Coal Mines

Mine	Ventilation System	County	Coal Seam	Company	Mine Rescue Coverage	Parent Company
Gibson	Exhaust	Gibson	#5	Gibson County Coal	2 Gibson Mine Site Teams	Alliance Coal
Air Quality #1	Exhaust	Knox	#7	Peabody Coal	2 Peabody Composite Teams	Peabody Coal Company
Francisco	Blowing	Gibson	#5	Peabody Coal	2 Peabody Composite Teams	Peabody Coal Company
Prosperity	Blowing	Pike	#5	Five Star	1 Composite Team (5*/BP) 1 Contract Team (State)	Vectren
Freelandville East	Blowing	Knox	#5	Triad Underground	1 Composite Team (State) 1 Contract Team (5*/BP)	James River Coal
Carlisle	Blowing & Exhaust	Sullivan	#5	Sunrise Coal	1 Composite Team (State) 1 Contract Team (5*/BP)	Sunrise Coal Company
Oaktown Fuels #1	Exhaust	Knox	#5	Black Panther	1 Contract Team (State) 1 Composite Team (5*/BP)	Vectren
Freelandville West	Blowing	Knox	#5	Triad Underground	1 Contract Team (5*/BP) 1 Composite Team (State)	James River Coal
Oaktown Fuels #2	Exhaust	Knox	#5	Black Panther	1 Contract Team (State) 1 Composite Team (5*/BP)	Vectren
Landree Mine	Blowing	Green	#4	Lily Group	1 Composite Team (State) 1 Contract Team (5*/BP)	VHGI

Key: BP = Black Panther, 5* = Five Star

Indiana Underground Coal Mines Recue Coverage

<i>Indiana State Mine Rescue Team</i>	
Mine Coverage	Type
Carlisle	Composite
Freelandville West	Composite
Freelandville East	Composite
Landree	Composite
Oaktown #1	Contract
Oaktown #2	Contract
Prosperity	Contract

<i>Gibson Mine Rescue Teams 1 & 2</i>	
Mine Coverage	Type
Gibson Mine	Mine Site

<i>Black Panther/Five Star Mine Rescue Team</i>	
Mine Coverage	Type
Carlisle	Contract
Freelandville West	Contract
Freelandville East	Contract
Landree	Contract
Oaktown #1	Composite
Oaktown #2	Composite
Prosperity	Composite

<i>Peabody Mine Rescue Teams 1 & 2</i>	
Mine Coverage	Type
Air Quality	Composite
Francisco	Composite

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Indiana Mine Rescue Station and Team Coverage



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

The state of Indiana has a fully trained mine rescue team that meets and exceeds the recommended training requirements. These dedicated individuals are volunteers

from the Sunrise Coal Company's Carlisle Mine, and Triad Coal Company's Freelandville East and West Mines. The second team coverage is provided by teams from Black Panther's Oaktown #1 and #2 Mines and Five Star Coal Company's Prosperity Mine. These teams provide mine rescue coverage for seven of our state's underground mines, Sunrise Coal Company's Carlisle Mine, Triad Coal Company's Freelandville East Mine and Freelandville West Mine, Five Star Coal Company's Prosperity Mine, Black Panther Coal Company's Oaktown Fuels #1 Mine, Black Panther's Oaktown #2 Mine and the Lily Groups VGHS Landree Mine.

The state of Indiana is fortunate to have four more fully trained mine rescue teams that could assist in the event of a mine emergency. These teams are Gibson County Coal Company's two mine

rescue teams, which cover their Gibson Mine, and Peabody Coal Company's two mine rescue teams, which cover their Air Quality #1 Mine and Francisco Mine.

The state mine rescue team competed in four mine rescue competitions in 2011. In May, the team competed in the Robert Earl Jones Mine

Rescue Contest in Ina, Illinois and the WKMI Mine Rescue Contest in Madisonville, Kentucky. In June and August, the team competed in the Indiana State Mine Rescue Contest in Vincennes and the Illinois State Mine Rescue Contest in Marion, Illinois.

With each competition, the teams surpassed the mandatory requirements for training. They are a group of professionals who are dedicated to improving their skills and abilities because of their commitment to themselves and their fellow miners, so much so that they are willing to risk their lives for those of their fellow miners.



**THE STATE OF INDIANA HAS
A FULLY TRAINED MINE
RESCUE TEAM THAT MEETS
AND EXCEEDS
RECOMMENDED TRAINING
REQUIREMENTS.**

Mining Safety Statistics

The state's mining industry has maintained steady employment for the last three years, according to the federal Bureau of Labor Statistics. While steady employment and production are essential in any industry, attention must be paid to the safety of the job as well.

The 2010 non-fatal occupational injury and illness rate for Indiana's mining industry remained unchanged from the 2009 rate of 3.3 per 100 workers. This includes all mining in the state—surface and underground. Indiana's mining industry injury and illness rate is 30% above the national mining industry rate of 2.3. Improvement in Indiana should be sought.

In 2010, 55% of all work-related injuries and illnesses in the mining industry in Indiana required at least one day away from work for the affected worker. The average number of days away from work for a worker in this industry in 2010 was 16. An overwhelming majority of injured workers in this industry suffered from **sprains and strains** (45%). The next most common injury suffered by

workers in the mining industry in 2010 was **fractures** (27%).

All occupational injuries and illnesses requiring days away from work in 2010 were experienced by **men** (100%). The most common ages of an injured worker in the mining industry was **25-54** (30%). Frequent injury-causing events in 2010 were tied among **contact with objects** (22%) and **repetitive motion** (22%). Sources of occupational injury were also tied. The most often sources were **machinery** (20%) or **floors or ground surfaces** (20%).

Southwest Indiana is currently home to eight active coal mines. Three additional mines are likely to begin production sometime in 2012. Management, staff and employees of these eight coal mines work very closely with the **Indiana Bureau of Mines**, located at **Vincennes University**.

Indiana law requires the Bureau of Mines to conduct an inspection of each underground mine at least once per quarter. The Director of the Bureau of Mines, who is a certified mine examiner, or the Chief Mine Inspector conduct these inspections. Violations must be corrected immediately. Federal inspectors of the Mine Safety and Health Association (MSHA) conduct much more frequent enforcement inspections of each mine as well.

While the data above reflects the mining industry as a whole, the 2010 coal mining injury and illness rate in Indiana was 3.3 per 100 workers—the same as the 2009 rate. In addition, Indiana underground coal mines were fatality free in 2010 and 2011.

Mining Injury and Illness Rates and Numbers

Year	Employment	U.S.	IN	Number of Injuries and Illnesses	Number of Fatalities
1998	7,800	4.7	4.7	400	-
1999	7,100	4.1	4.6	300	3
2000	7,100	4.6	5.0	300	-
2001	6,900	3.9	6.4	500	-
2002	6,800	4.0	5.2	400	-
2003	6,700	3.3	5.9	400	6 between 2003 and 2008
2004	6,700	3.8	5.3	400	
2005	6,500	3.6	4.5	300	
2006	6,500	3.5	3.4	200	
2007	6,600	3.1	3.3	200	
2008	6,400	2.9	3.8	300	
2009	6,400	2.4	3.3	200	-
2010	6,400	2.3	3.3	200	-

Indiana Mining Injury and Illness Rate

