Indiana Manufacturing
Occupational Fatalities

Indiana Department of Labor
Quality, Metrics & Statistics
Elizabeth Friend, Deputy Commissioner
October 2009
Indiana Manufacturing Occupational Fatalities

Executive Summary

- There were 18 fatalities in the manufacturing industry in 2008, the highest number since 2002 which had 24.
- 13% of Indiana’s Occupational Fatalities were in the Manufacturing Industry in 2008.
- The most common event causing a fatality in a manufacturing environment was contact with objects and equipment.
- Six fatalities occurred in Primary Metals Manufacturing.
- Data used in this report is from IOSHA inspection reports and the Bureau of Labor Statistics’ Census of Fatal Occupational Injuries.
Indiana Manufacturing Occupational Fatalities

18 Year Trend
Indiana Manufacturing Occupational Fatalities

Events

2003-2008

- Transportation Incidents: 25 (Non-highway, overturned vehicle or mobile equipment: 10)
- Contact with objects and equipment: 24 (Caught in running machinery: 9)
- Falls: 12 (Fall from ladder: 3)
- Assaults & Violent Acts: 3 (Suicide: 8)
- Exposure to harmful substances or environments: 3 (Caustic, noxious or allergic substances: 5)
- Fires & Explosions: 1

2008 only

- Contact with Object: 2 (Struck by Object: 6)
- Transportation Accident: 5
- Other: 5

Legend:
- 0 5 10 15 20 25 30 35 40
- 0 2 4 6 8 10
- Fire in Building
- Suicide
- Caustic, noxious or allergic substances
- Caustic, noxious or allergic substances
- Non-highway, overturned vehicle or mobile equipment
- Caught in running machinery
- Fall from ladder
- Fall from ladder
- Transportation Incidents
- Contact with objects and equipment
- Falls
- Assaults & Violent Acts
- Exposure to harmful substances or environments
- Fires & Explosions

Fires & Explosions
Exposure to harmful substances or environments
Assaults & Violent Acts
Falls
Suicide
Caustic, noxious or allergic substances
Non-highway, overturned vehicle or mobile equipment
Caught in running machinery
Fall from ladder
Struck by Object
Transportation Accident
Other

2008 only
Indiana Manufacturing Occupational Fatalities
Industries (with more than 3 fatalities)

2003-2008

- Primary Metal: 3, Iron & Steel Mills: 14
- Transportation Equipment: 5, Motor Vehicle Parts: 5
- Nonmetallic Mineral: 3, Cement & Concrete: 4
- Fabricated Metal: 3, Coating, Engraving, Heat Treating & Allie Activities: 3
- Wood Product: 5
- Food Manufacturing: 5

2008 only

- Primary Metal: 2, Iron & Steel Mills: 4
- Nonmetallic Mineral Product: 3
- Other: 9
Indiana Manufacturing Occupational Fatalities Worker Characteristics (2003-2008)

**Race**
- 70% Caucasian
- 4% Black
- 3% Hispanic
- 1% Unknown

**Gender**
- 91% Men
- 9% Women

**Age group**
- 1% Under 20 years
- 4% 20-24 years
- 14% 25-34 years
- 15% 35-44 years
- 22% 45-54 years
- 18% 55-64 years
- 4% 65 years and older

**Most Common Fatal Demographics**

- 90% Caucasian
- 91% Men
- 50% over the age of 47
# Indiana Manufacturing Occupational Fatalities

## Time of Accident (2003-2008)

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Indiana Manufacturing Occupational Fatalities
2008 IOSHA Investigated

- January 12, Lake County, a 23 year old rail car operator at a steel manufacturer was crushed between an industrial train and another piece of equipment.
- January 16, Porter County, a 25 year old worker at a metal coating plant was struck by a 35,000-pound steel coil being moved by a crane.
- March 13, Wabash County, a 58 year old maintenance technician at a wool manufacturer was overcome by carbon monoxide while working in a baghouse.
- March 24, Lake County, a 55 year old furnace mechanic at a steel mill was crushed by a tundish dryer cover.
- April 25, Decatur County, 54 year old truck driver for a fabricated metal manufacturer was killed when his semi jack-knifed on a highway.
- April 30, Porter County, 60 year old mill wright at a steel mill was struck by a 10,500 pound steel beam which fell after having been placed by a crane.
Indiana Manufacturing Occupational Fatalities

2008 IOSHA Investigated

- June 10, Allen County, 39 year old concrete product manufacturer worker was struck by a 750 pound lifting arm of a septic tank.
- June 12, Dubois County, a 59 year old employee from an electric sign manufacturer was electrocuted while repairing a sign at a car dealership.
- July 7, Marion County, a 45 year old truck driver for a ready-mix concrete manufacturer was crushed by a concrete hopper while cleaning the drum.
- September 8, Lagrange County, a 44 year old forklift driver for a recreational vehicle manufacturer fell 20’ while unloading ladders which he had lifted to a higher level.
- October 15, St. Joseph County, a 49 year old foundry worker was struck by a piece of scrap metal.
- November 22, Wabash County, a 24 year old maintenance worker at a foundry was struck by a melt furnace when the jack slopped during repair.

Fatalities in the manufacturing industry not investigated by IOSHA includes homicides, suicides and highways vehicle accidents.
Indiana Manufacturing Occupational Fatalities
Other Manufacturing Safety Information

October 2008 – September 2009

- 234 inspections by IOSHA at manufacturing establishments
- 1,062 Citations written
- $297,658 in penalties paid
- Most frequent standards cited:
  - 1910.1200 Hazard Communication (91)
  - 1910.134 Respiratory Protection (90)