

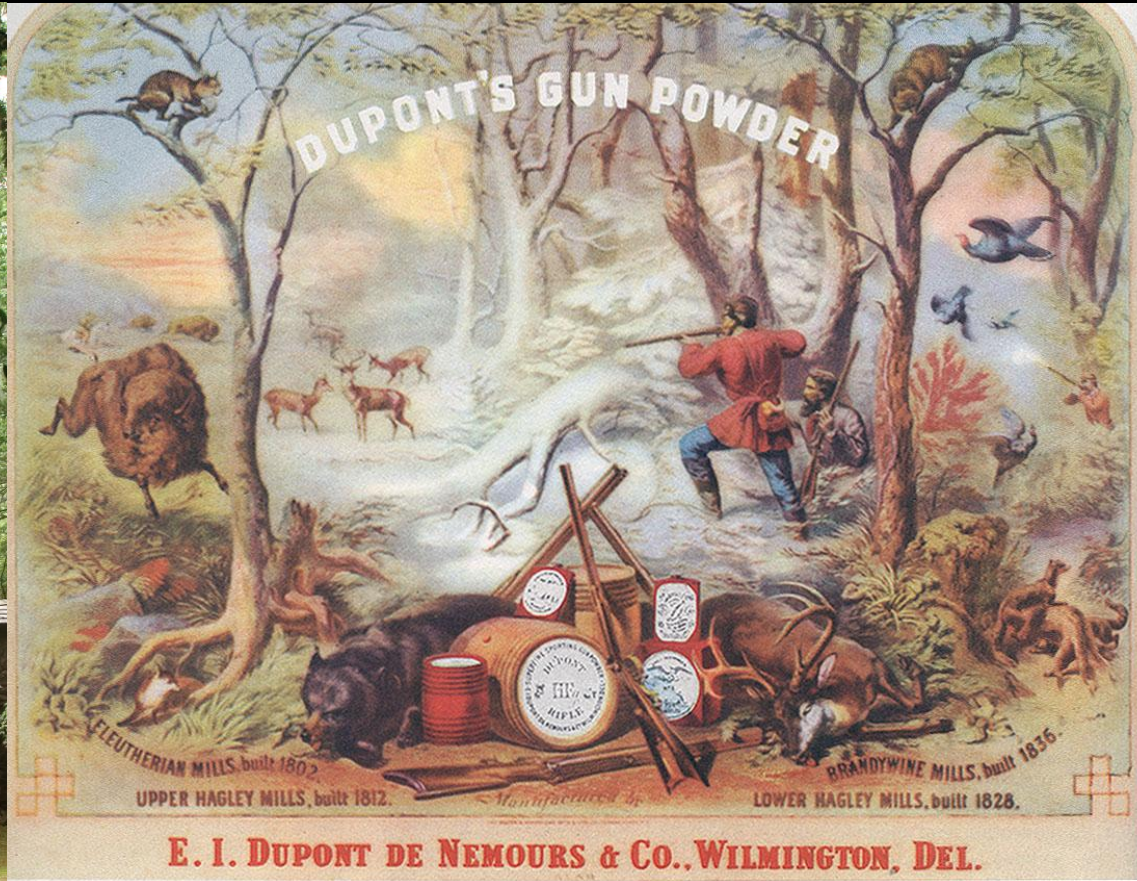
Comments to the DOE Electrical Safety Committee

Lanny Floyd

DuPont

December 15, 2010

DuPont



**The oldest Fortune 500 company
Established 1802**

About DuPont

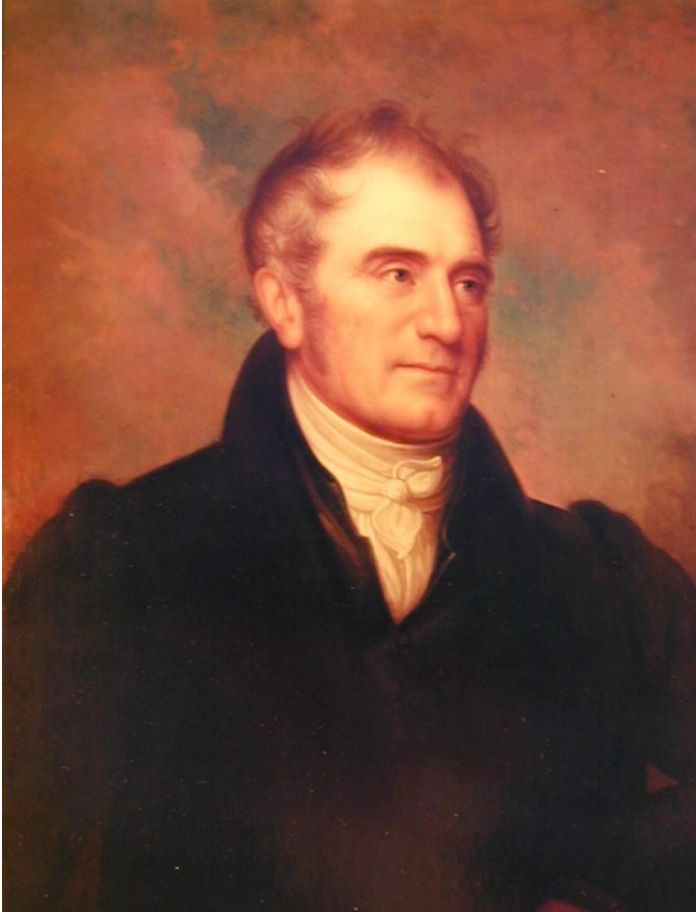


DuPont Explosion

1818



Safety Established as a Core Value



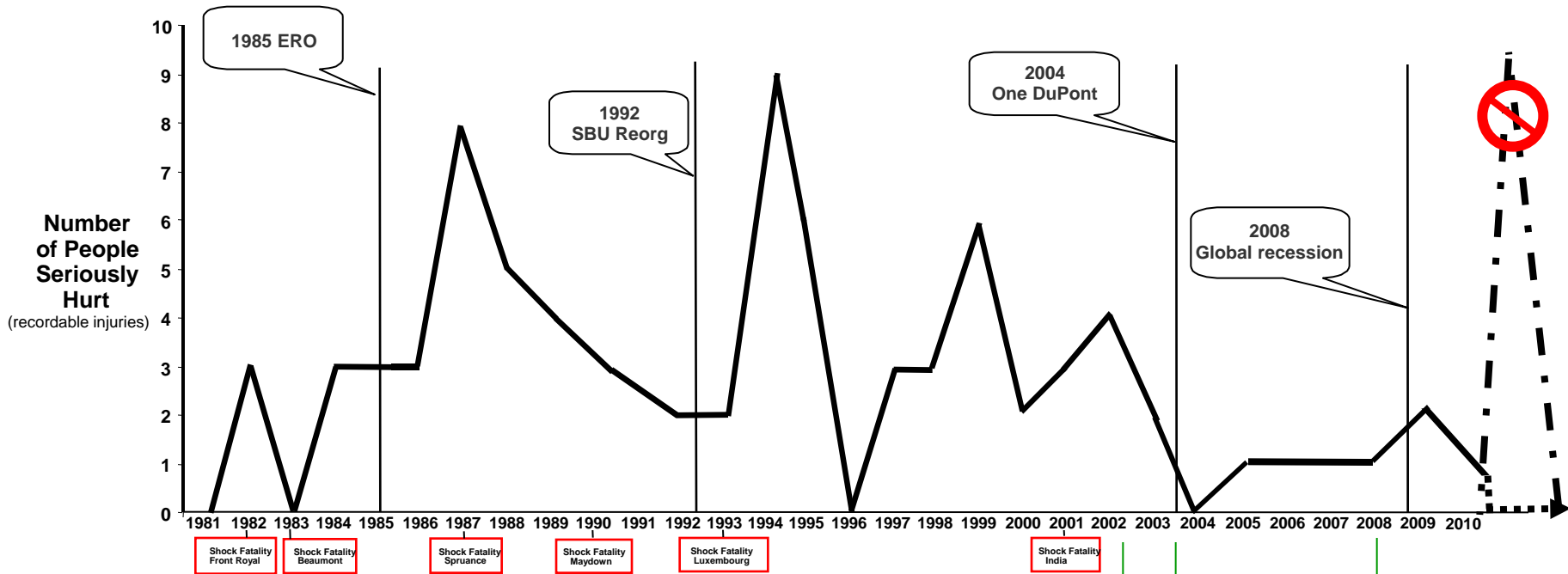
Eleuthère Irénée du Pont

**“we must seek to
understand the
hazards we live with”**

DuPont Electrical Safety

(employees and contractors)

The Path to ZERO



- / **Recordable Electrical Shock and Arc Flash Injuries**
(Does not include injuries from fire or explosion from electrical energy ignition)
- **Goal performance**
- ☞ **Events with Corporate-wide implications for Management of Change - Personnel**
- Fatal injury from contact with electrical energy**

Electrical Safety Management Implementation (background in Notes view)

Electrical Safety Management Implemented

- Corporate SHE standard S31G
- 2nd Party SHE audit enhanced

Operations SHE organization restructured

- Electrical safety champions and resources embedded in Operations.
- Corporate Electrical Safety Team rechartered.

S31G revision issued Apr 2008

- Enhanced accountability
- Inherently safer technology
- Clarification of ZERO tolerance for exposure to lethal hazards



Commentary on the *Path to Zero* chart

Anticipating the need for proactive and sustainable leadership focus, we implemented Corporate SHE Standard S31G *Electrical Safety Management* in February 2003 to provide the roadmap for sustainable electrical safety performance. At the same time, we integrated a robust electrical safety audit protocol into the corporate SHE 2nd party auditing management system. As a further measure to help assure sustainable electrical safety performance, the launch of the One DuPont restructuring in April 2004 included electrical safety resources embedded in DuPont Operations to maintain continuous improvement.

Historically following corporate wide restructuring, we have seen significant deterioration in electrical safety performance in the 18 - 24 months following restructuring implementation (shown in the diagonally shaded areas). As shown in the chart, the 2-year period following the first corporate-wide Early Retirement Opportunity (ERO) in 1985 had a 270% increase in serious electrical injuries compared to the 2 years prior. The 2 years following implementation of the Strategic Business Unit (SBU) structure in 1992 had an even greater increase in electrical injuries, a 350% increase over the previous 2 years. In both cases, refocused leadership quickly restored electrical safety performance to or below previous levels. In both improvement periods (shown in the dashed shaded areas), corporate 2nd party electrical safety audits, separate from the SHE 2nd party audit process, were implemented across all businesses and global regions, and were very effective in restoring work practices, management systems, and leadership focus. A key shortcoming of the implementation of these two audits was that it was not connected to the established, sustainable SHE 2nd Party Audit Processes as defined in Corporate SHE Standard S2Y. To further underscore the critical importance of the 2nd party audit process, the first 6 serious electrical injuries following the injury free performance from 9/95 to 2/97, occurred at sites that did not implement a second party electrical safety audit in 1994-95.

As noted above, with the implementation of Electrical Safety Management, we now have performance standards, audit protocols, and support resources in place to better assure sustainable electrical safety performance.

The global recession that began in late 2008 is the most recent event having implications across all businesses, all regions.



Mission

- **Accelerate application of breakthrough improvements in human factors, technology, and managing systems**
- **Stimulate innovation in overcoming barriers**
- **Change and advance the electrical safety culture to enable sustainable improvements in prevention of electrical accidents and injuries**

Our Challenge to You

Challenge norms

Why not - not why

Create collaborations

Motivate

Inspire

Recognize opportunity

Be impatient

Think different

Explore

Lead

Connect ideas

Imagine

Grow

Create the future today

Move beyond compliance

Change and advance the Electrical Safety Culture

Expand networks

If not you, who?

Build synergy

Overcome barriers

Challenge what you believe

Believe Zero is possible

Consider human factors

Encourage

Learn

Stimulate innovation

Consider the radical

