



American Society of Safety Engineers
Protecting people, property, and the environment since 1911
Greater San Jose Chapter

<http://www.assesj.org> email:gjsj@assesj.org



August 2010 Newsletter

Topic: THIS DATE IN HISTORY

Summer, 1864; The Grand Trunk Railway Disaster

[Glenn Demby, Esq.](#)

19th century Americans weren't the only inhabitants of North America with the ambition to build a railway from the Atlantic to the Pacific. Construction of Canada's version of the transcontinental railroad, the Grand Trunk Railway, started in 1853. Six years later, it began operations between Ontario and Quebec.

Unfortunately, the great ambitions for the Grand Trunk never came to full fruition. One of the reasons for that is the disaster that happened on this date in 1864.

At 1:20 a.m., a passenger train operating between Levis and Montreal approached a drawbridge on the Richelieu River near the town currently known as Mont. St. Hilaire. A red light a mile ahead signaled that the bridge had been raised to allow some barges to pass. But the conductor didn't acknowledge the signal and proceeded toward the bridge.

The train came onto the bridge. The engine fell into the opening and plunged into the barge passing below. 11 coaches followed, each crashing on top of the other. What was left of the train sank 10 feet into the River.

The inquiry blamed the disaster on the conductor's failure to heed the red light signal. The engineer, who survived the accident, was a recent hire. He claimed he wasn't familiar with the route and that he never saw the signal.

The Grand Trunk Railway disaster claimed 99 lives, including the conductor and scores of German and Polish passengers aboard. In terms of lives lost, it remains Canada's greatest train disaster.

Upcoming Chapter Meetings

To reserve a seat via e-mail, please send your name, telephone number and email address to:

reservations@assesj.org

Tuesday, August 10, 2010 - 12:00pm - Biltmore Hotel & Suites

Life Safety System Design, Selection & Installation: Dos and Don'ts

Presentation by Harish Goyal, P.E., R.E.A.

The presentation will cover the following areas assisted with pictures from various manufacturing facilities:

- Regulatory framework driving the Life and Safety Systems
- Components of life safety system
- Elements of gas detection system
- Gas detection technologies
- Sensor selection criteria
- Sensor site selection
- Why calibrate and functional test ?
- Field installation examples - Dos and Don'ts

Harsh Goyal is Founder & CEO, TGO Solutions Mr. Goyal has over 24 years of multi-disciplinary engineering, regulatory and permitting experience including local, state, and federal regulatory background on California Fire Code (CFC - 2007) and California Building Code (CBC - 2007). Mr. Goyal provides design, permitting, compliance, and implementation services in the field of storage, dispensing, use and handling of hazardous materials. Mr. Goyal also has extensive experience with toxic and flammable gas systems typically used in the semiconductor and other high-tech manufacturing and is very knowledgeable about variety of sensors and controllers available in the market.



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App Designed for OSHA-Compliant Lockouts



The Brady Lockout Procedure Online Design Tool, from Brady Worldwide Inc., is a new web tool . that allows customers to design OSHA-compliant graphical lockout procedures online for much less than the cost of a lockout procedure writing software program, the company says.

Brady calls the Design Tool “the first application in the market for creating graphical lockout procedures online in a pay-as-you-go model.” The procedures can be customized for a specific facility and easily downloaded for printing from a laser or inkjet printer, according to the company.

“Lockout procedure compliance is the number one issue that companies face when managing their hazardous energy control programs in accordance with OSHA standards,” the company reports.

The Design Tool utilizes graphical procedure templates that comply with OSHA’s lockout/tagout standards. The templates feature high-quality images and step-by-step instructions for properly locking out hazardous energy sources, the company says. Customers upload digital images of their equipment onto the procedure and customize it based on their equipment list and lockout points.

After the procedure is purchased, customers can immediately download the PDF and print it using their laser or inkjet printer as many times as needed. The procedure will be saved to their account for 30 days after the purchase date.

Companies pay only for the procedures they need.

The new tool offers several options, including proofing. After the procedure has been designed, customers can print a “proof” of the procedure prior to purchasing it. The proof can be circulated to key stakeholders for approval, and is saved to the customer’s account for 30 days after it was created.

Brady’s Lockout Procedure Online Design Tool is available online 24 hours a day at BradyID.com/lockoutprocedures. Procedures can be any length, and templates are available in a variety of languages, including English, Spanish, Portuguese and French. Procedures can be purchased for \$24.99 per procedure.



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**CPSC, Schneider Electric North American Division
 Announce Recall of AFCIs**

WASHINGTON, D.C. - The U.S. Consumer Product Safety Commission announces the following recall in voluntary cooperation with the firms below. Consumers should stop using recalled products immediately unless otherwise instructed.

Name of product: Arc Fault Circuit Interrupters (AFCI)

Units: About 700,000

Manufacturer: Schneider Electric North American Division, Palatine, Ill.

Hazard: An AFCI is an electrical circuit protection device (circuit breaker) that detects electrical arcs from cracked, broken or damaged electrical insulation and shuts off power to the circuit before the arcing leads to a fire. An electronic component failure inside the AFCIs can cause the devices to not detect an electrical arc. Although the AFCIs will function as regular circuit breakers, they may not detect an arc fault, posing a safety risk to consumers.

Incidents/Injuries: Schneider Electric is investigating one reported fire during a new home construction that may be related to this problem. No injuries have been reported.

Description: The recalled Square D QO® and Homeline® Arc Fault Interrupter circuit breakers are used with 15- and 20-amp branch circuits. They are required to be installed in bedroom circuits in accordance with the 2002 National Electrical Code. The recalled units were manufactured after March 1, 2004, and have a blue test button. The AFCI circuit breakers have one of the following date codes – CN, DN, EN, FN, GN, HN, or JN – stamped in red on the breaker label located just above the wiring terminal. For more info go to: <http://www.safety-recalls.org/cpsc-content-05-05035.html>

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2010 San Jose Chapter PDC - Nov. 4-5

SPEAKERS & TOPICS:

The following presentations are confirmed for the PDC (more to come):

Cal/OSHA standards: Upcoming, proposed and being considered Marley Hart, Executive Officer, Cal/OSHA Standards Board

Cal/OSHA 2011, John Duncan, Director, California Dept of Industrial Relations (DIR)

Fed-OSHA I2P2, Ken Nishiyama Atha, Regional Administrator, Fed-OSHA Stop Chasing Ghosts, Larry Wilson, SafeStart Safety

Secrets Of Survival (SOS), Jon Moldestad, Consultant, Expert witness

Cal/OSHA Inspections: Who, What, Why, When and How, Len Welsh, Chief, Cal/OSHA

Aerosol Transmittable Diseases (ATD), Charity Nicolas MPH, Contra Costa County Risk Manager & Daniel Chodos, EORM

Nano Technology safety and health concerns Rick Kelly, Facility and EHS Manager, Lawrence Berkeley National I