

## ENGINEERING STANDARDS UPDATE

Standards are serious business, but this newsletter isn't.

### Topics this month:

- **National Standard Committee Participation**
- **Nuclear Workers Behaving Badly**
- **LANL Standards Issued in August**
- **DOE Technical Standards Actions**
- **When Good Conduct of Engineering Isn't Followed**

The Standards Homepage: <http://engstandards.lanl.gov/>

**NMSPE Ad: Civil Engineering PE Review [Courses](#) in ABQ to Start Tonight, September with a Free Overview of the PE Exam**

### NATIONAL STANDARD COMMITTEE PARTICIPATION

If you're a Lab employee serving on a committee maintaining or writing a national code or standard **that I'm not aware of, or you've ceased**, please contact me by Fri, Sept. 13. About 44 employees do such committee work which I must report to DOE-HQ per the contract. Examples are ASME, ASTM, NFPA, etc. Already on the list:

Mark C. Anderson	Daniel A. Javernick	Glen J. Pappas
Michael E. Bange	Alan L. Justus	Donivan R. Porterfield
William A. Bearden	Douglas D. Kautz	Christopher Romero
Ramona Biggs	Robert A. Keown	Mark S. Rosenberger
Sherry A. Bingert	Larry Lamsa	Scott R. Salisbury
Kelly L. Bingham	Paul Leslie	Michael W. Salmon
David W. Bowman	Sheila A. Lott	Thomas E. Sampson
Lowell T. Christensen	Michael W. Mallett	James K. Sprinkle
Robert F. Daley	Alexander A. Martinez	James R. Streit
David A. Fry	Thomas D. McLean	Thomas E. Tierney
David P. Fuehne	Robert A. Monsalve-Jones	Tietjen, Leah, A.
Milan S. Gadd	Murray E. Moore	Tom L. Waters
Marjorie A. Gavett	William L. Myers	Jeffrey J. Whicker
Rick Hinckley	Connon R. Odom	Taunia S. Van Valkenburg
Patrick W. Hochanadel	Gene N. Ortega	

## NUCLEAR WORKERS BEHAVING BADLY

### Shipyard worker sentenced to 17 years for \$400 million submarine fire

(CNN 3/16/2013) -- A shipyard worker who pleaded guilty to arson in a fire that did at least [\\$400 million in damage to a U.S. nuclear attack submarine](#) has been sentenced to over 17 years in federal prison and ordered to pay \$400 million in restitution, federal prosecutors said Friday.

[Casey James Fury admitted to two counts of arson](#) in November in connection with the blaze aboard the USS Miami last May 23 and a smaller fire beneath the dry-docked submarine in June, according to court papers. The 25-year-old civilian painter and sandblaster at the Portsmouth Naval Shipyard in Maine told investigators that he started the fires because he was having extreme anxiety and was trying to get out of work, the documents state.

Fury could have faced life in prison on the charge. But the judge weighed the severe damage caused by the fire and the risk to life that it brought against the fact Fury had never been in criminal trouble before and suffered from anxiety and depression, according to [CNN affiliate WGME](#).

Fury was accused of setting fire to a plastic bag full of cotton rags in a cabin in the forward end of the Miami, starting a conflagration that took the ship's crew and firefighters from the shipyard and nearby towns 12 hours to put out. Five firefighters and two sailors were injured during the effort...

[from Wikipedia: On 6 August 2013, the U.S. Navy announced it will scrap the USS *Miami*, concluding the cost of repairs is more than it can afford in a time of [budget cuts](#). A "comprehensive damage assessment" found that while the *Miami* could have theoretically been repaired, the necessary repairs were more extensive than first anticipated. This raised the expected repair costs from \$450 million to \$700 million.]

## LANL STANDARDS ISSUED IN AUGUST

### Eng Standards Manual [STD-342-100](#)

Chapter 14	Summary of Changes
Sustainable Design of Facilities	Updated LEED driver, criteria; ASHRAE 2010 or 2007 vice 2004; Energy Star for leased; other changes. <b>Adds a new requirement for purchasing building products that are environmentally preferable.</b>

### Master Specifications [STD-342-200](#)

31 2000 R6 - Earth Moving	Clarified a stringent requirement for bedding sand to meet NMDOT spec. Revised tracing wire to be in line with industry standards and provide better material. Changed cold weather requirements.
32 1216 R4 - Asphalt Paving	Clarified utility trench patch requirements
32 3100 R3 - Fences and Gates	Clarified and added requirements for caps on all open top pipe posts.
32 3113 R4 - Chain Link Fences and Gates	Clarified and added requirements for caps on all open top pipe posts.

## DOE TECHNICAL STANDARDS ACTIONS

DOE [Tech Stds](#) activity this past month:

Canceled: DOE-STD-3003-2000, *Backup Power Sources for DOE Facilities*

Reaffirmed: [DOE-HDBK-1108-2002](#), Radiological Safety Training for Accelerator Facilities

## WHEN GOOD CONDUCT OF ENGINEERING ISN'T FOLLOWED

Thanks to Vicki Telles and others for this one.

<http://now.msn.com/intempo-building-47-stories-skyscraper-would-really-be-nice-if-it-had-an-elevator>



### 47-story skyscraper would be more user-friendly if it had an elevator

Let's get right to the point. If you're building a 47-story building, you're going to need an elevator. Unfortunately, that was a point overlooked by the architectural brain trust who designed the Intempo skyscraper in Benidorm, Spain. The condo building was initially meant to be 20-stories. When developers decided to move skyward, they reportedly neglected to reconfigure their plans to accommodate the necessary elevators. The Intempo was intended to symbolize hope and prosperity, showing that Benidorm was recovering from financial issues. What happens with the building remains to be seen, but at the very least, prospective tenants can get rid of their Stairmasters. [[Source](#)]

**Trending topic:** [intempo](#)

### **LAST MONTH'S UPDATE TOPICS**

Miss an issue? The archive is at "[Monthly Update](#)" on the Standards [homepage](#). Last month's topics:

- **Nuclear Grade, Medical Grade, and Cost**
- **Nuclear Workers Behaving Badly**
- **LANL Standards Issued in July**
- **Processes Changes**
- **DOE Technical Standards Actions**
- **When Good Conduct of Engineering Isn't Followed**

To request a change to this newsletter's distribution, please contact me.

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