

This is the monthly newsletter of the LANL Engineering Standards Program. The Standards are mandatory documents that define the minimum design criteria, fabrication, and installation practices for the alteration, repair, and construction of LANL facilities and the programmatic and process equipment within them. [[IMP 341](#)]

Topics this month:

- **Programmatic Applicability of LANL Engineering Standards**
- **Pressure Safety Notice**
- **Conduct of Engineering Training**
- **Sustainable Design Seminar April 16**
- **LANL Standards Issued in February**
- **DOE Technical Standards Actions**

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

### **PROGRAMMATIC APPLICABILITY OF LANL ENGINEERING STANDARDS**

Questions still occasionally arise regarding whether the LANL Engineering Standards apply to programmatic (process) work. They do, and have since 2001.

To help such users determine which parts clearly apply to them, the Engineering Standards Manual chapters and/or ESM sections so state. In addition, there are Design Guides relevant to programmatic work on the Standards homepage.

Applicability to programmatic engineering is also reflected at a high level in the ESM [Introduction](#) and in greater detail by the updated [LANL Engineering Standards Scope and Applicability Matrix](#) on the Standards Homepage.

### **PRESSURE SAFETY NOTICE**

A recent self-assessment of pressure systems across the Laboratory relating to 10 CFR 851 (worker safety and health) compliance revealed deficiencies of installed pressurized equipment relative to the requirements of LANL institutional documents and the DOE Orders and national consensus documents that drive them. Most of the problems were overdue pressure vessel inspections and relief valve replacements, and lack of system design documentation.

About a month from now, a new LANL Requirements Notice will install a new LANL program for the procurement, test, and inspection of pressure vessels and relief devices. A new chapter of the Engineering Standards Manual is also in development that will eventually replace the Notice. Both official policy and reference documents are posted on the Chapter 17 [webpage](#).

### **CONDUCT OF ENGINEERING TRAINING**

If you've ever wanted a short overview on conduct of engineering or more detail on the CoE processes and procedures that implement it, several courses are now available. To sign up, go to Virtual Training Center [home](#), then Workforce Development, then LANL Engineering -- or directly [here](#). For more info contact Lyle Kerstiens, lkerstiens@lanl.gov, 5-2224.

### **SUSTAINABLE DESIGN SEMINAR APRIL 16**

The Standards Program is hosting the annual ASHRAE Satellite Broadcast on April 16 from 11 am - 2 pm at the Canyon Complex Room 165 (bring lunch). Everyone is welcome, including local AEs.

The title is "Integrated Building Design: Bringing the Pieces Together to Unleash the Power of Teamwork." The broadcast will explain "what you and other members of the building team must do to advance high-performance buildings with improved design, construction, and operations processes. Buildings that meet the needs of occupants and truly achieve sustainability objectives can only be created if the building community shares its knowledge and experiences. Join ASHRAE in learning more about your role in integrated building design and helping to create a sustainable built environment."

Professional Engrs: The session offers 3 PDHs (earn without having to travel or to pay seminar fees).

Agenda at <http://www.ashrae.org/education/page/1569>; see next month's Update for last-minute info.

### **LANL STANDARDS ISSUED IN FEBRUARY**

**LANL Master Specifications Manual** [http://engstandards.lanl.gov/New\\_Home.html#spec](http://engstandards.lanl.gov/New_Home.html#spec)  
33 3000 Rev. 1 Sanitary Sewerage Utilities -- Added part for restraint joints for force mains after a blow out. Revised part on HDD after concerns on shallow slope. (thanks to Mell Smithour).

### **DOE TECHNICAL STANDARDS ACTIONS**

<http://www.hss.energy.gov/NuclearSafety/techstds/standard/recappts.html>

New or Revised DOE Tech Stds this past month:

[DOE- HDBK -1110-2008](#), ALARA Training for Technical Support Personnel

**LAST MONTH'S UPDATE TOPICS**

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

- **2006 IBC and Other Codes Adopted**
- **Pipe Properly, Preclude Punishment**
- **Architectural POC Now Chavez**
- **LANL Standards Issued in January**
- **DOE Technical Standards Actions**

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

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