

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 design, repair, and alteration of LANL facilities and the programmatic equipment within them. [[IMP 341](#)]

Topics this month:

- **Structural Design Criteria Changing**
- **Contract Mod News**
- **Design Guides Now Available-- NEW!!!**
- **IHS Online National Standards Subscription News**
- **LANL Standards Issued in January**
- **DOE Technical Standards Actions**

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

STRUCTURAL DESIGN CRITERIA CHANGING

A nearly-complete update of the site-wide probabilistic seismic hazards analysis indicates that an increase in criteria is likely required (management review and approval is pending). Structural POC Mike Salmon issued a Jan 22 memo discussing this and suggesting use of higher values for all future and some existing projects using PC-1 and PC-2 criteria (PC-3 is also affected); this interim guidance is posted with the Standards Manual Structural Chapter at <http://engstandards.lanl.gov/engrman/5struc/htmls/strucnew2.htm>

CONTRACT MOD NEWS

Mod A015 revised LANS Contract Appendix G effective 1/25. Of interest to Standards users, it imposes DOE O 420.1B Facility Safety, the latest suite of security orders, and many of the NNSA Administration Policy Letters (NAPs). The mod will appear on the [Prime Contract Management](#) website in days ahead.

DESIGN GUIDES NOW AVAILABLE -- NEW!!!

http://int.lanl.gov/orgs/ceng/Design_Guides.shtml

The Engineering Standards Manual and its companion documents have a new sibling -- the Design Guides -- available from the Standards Homepage. LANL personnel doing programmatic or facility design now have ready access to several guides in various subject areas. Please read the warning information on the Design Guides webpage prior to use. Although the Standards Program breadth and depth has increased over the years, the Guides are the first new document set in the Program in almost two decades. The current set of guides includes the following:

1. General

Sandia National Laboratories Engineering Drawing System (SLEDS) (rescinded)

6. Mechanical (and materials)

Cryogenic Systems (Fermi Nat'l Lab ODH 5064; FNAL Cryosystem Safety 5032)

Crosby PRV Engineering Handbook

FermiLab Pressure Vessel Standard FNAL 5031

Savannah River Site PP Design Guide

B31.3 Process Piping Guide (LANL ESM Mech Chapter Sect D20 Att A)

Stands & Dollies (LLNL 2.1)

7. Electrical

Designing and Fabricating Safe Electrical Equipment (LLNL 11.1)

Spec for Electrical Equipment Fabrication (LLNL 11.3)

Acquiring Electrical Equipment and Components (LLNL 11.5)

10. Hazardous Process

Airborne Payloads (LLNL 5.11); Aircraft Compatibility PRSDG10222

Explosives Assemblies (LLNL 5.3)

IHS ONLINE NATIONAL STANDARDS SUBSCRIPTION NEWS

<http://library.lanl.gov/infores/stand/> near the top

Service cuts: The Library's limited cuts discussed for the last two months have occurred; if the standard you need says "Buy" then you may need to purchase documents individually through IHS using a purchase card unless someone has a hardcopy to loan (try [here](#)). If you must purchase, there are both hardcopy and pdf (same day) delivery methods from global.ihs.com

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LANL STANDARDS ISSUED IN JANUARY

LANL Engineering Standards Manual

Chapter 12, Nuclear, Rev. 1 Change 1 dated 1/10/07. Added 5.1.H on common cause failure of site systems.

LANL Master Specifications Manual

03 3053 R2 Misc. Cast In Place Concrete --Changed section 1.2.A.1

31 2000 R1 Earth Moving --Changed Section 2.1.C.2; 2.2 G and H now subparts under 2.2 F.

31 2323.23 R2 Flowable Fill --Change made to Part 1.3.A.1

32 1216 R1 Asphalt Paving--Changed section 1.2.A.1

DOE TECHNICAL STANDARDS ACTIONS

Issued in January. [Website](#)

DOE-STD-1128-98, Change Notice 2, Guide of Good Practices for Occupational *Radiological Protection in Plutonium Facilities*.

DOE-STD-1175-2006, *Senior Technical Safety Manager Functional Area Qualification Standard*, revised October 2006 and recently posted.

LAST MONTH'S UPDATE TOPICS

If you did not read last month's e-mailed Update, back issues are available: click "[Monthly Update](#)" below the Google search on the Standards [homepage](#) . Last month's Update topics were:

- **Conduct of Engineering Website Debuts**
- **LANL Building Official Change**
- **Review Cycle**
- **IHS Online National Standards Subscription Being Trimmed**
- **LANL Standards Issued in December**
- **Corrections**

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

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