

This is the monthly newsletter of the LANL Engineering Standards Program. The Standards are mandatory documents that apply to all personnel performing engineering and construction services for LANL, both programmatic and facility -- including new equipment and facilities and maintenance and modification of existing. [LIR 220-03-01]

Topics this month:

LANL's First LEED-Registered Project
NECA Electrical Installation Standards now Online
Electrical Standards Course July 13
Standards Issued in June

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

LANL's FIRST LEED-REGISTERED PROJECT

The Information Management Division has committed to build its new division office (IM-DO) building as LEED Certified, and as such, is the first LANL project to register with the US Green Building Council. LEED (Leadership in Energy and Environmental Design Project) registration is the first step towards earning LEED certification and provides online access to the USGBC's application submittals and credit interpretations. The "Certified" level of LEED requires that the building receive at least 26 credits by including building features in areas such as sustainable sites, water efficiency, energy and atmosphere, materials & resources, indoor environmental quality, and innovation & design process (Silver and Gold levels require more credits). Along with good daylighting and other energy-saving and environmentally-friendly features, IM-DO will have a raised floor with underfloor air, power, and communications distribution. For more information see the project website or contact Renè Holaday, the project's LEED Accredited Professional, at 5-9053.

NECA ELECTRICAL INSTALLATION STANDARDS NOW ONLINE

The NECA National Electrical Installation Standards are now site licensed and available online via the Research Library's Standards webpage, via a link below the IHS online national standards link. Use of several of these NECA standards is mandated by LANL's electrical standards and specs.
<http://library.lanl.gov/infores/stand/>

ELECTRICAL STANDARDS COURSE JULY 13

LANL Electrical Engineering Standards Course 17998 will be taught from 8am-4pm in White Rock on July 13. There is no cost. Register with PS-13 at 7-0059, esh-registration@lanl.gov, or via http://eshtraining.lanl.gov/pls/gencouraxs/Cour_By_Number?CourseNumber=17998

This course covers the LANL electrical engineering standards in Chapter 7 of the LANL Engineering Standards Manual and discusses mandatory requirements and good practices for LANL organizations and subcontractors involved in the conduct of electrical design. Strongly suggested for electrical designers, electrical engineers, electrical safety officers, and facility managers.

STANDARDS ISSUED IN JUNE <http://engstandards.lanl.gov/>

The following LANL Engineering Standards were issued in July:

CONSTRUCTION SPECIFICATIONS

<http://engstandards.lanl.gov/#spec>

01325, R4 Water Discharge Requirements, Eff. 6/9/05. Revisions to note organizational changes (facility & programmatic)

02535, R2 Manholes Eff. 6/14/05. Added requirements for holding tanks and septic tanks.

02551, R6 Natural Gas Distribution - Eff. 6/9/05. Section 2.4C revision made to flanges.

02554, R7 Steam and Condensate Distribution - Eff. 6/9/05. Section 2.8A removed "Grade 1".

06100, R1 Rough Carpentry - Eff. 6/27/05. Formerly 06001. General revision to update references and standards. Added LEED criteria.

06200, R1 Finish Carpentry - Eff. 6/27/05. General revision to update references and standards. Removed hollow metal doors and frames inclusion from spec (have their own section). Added Accessories section.

06410, R1 Custom Casework - Eff. 6/27/05. General revision to update references and standards.

07160, R1 Bituminous Damp Proofing - Eff. 6/20/05. General-updated references and standards. Formatted to accommodate solvent based products and water based products.

08710, R2 Door Hardware - Eff. 6/8/05. General. Added electric door strike hardware, powered door operators, and door seals and gaskets.

STANDARD DETAILS

<http://engstandards.lanl.gov/index.html#dwg>

Ch. 3, ST-G2040-1C1, R3 Security/Typical Fence detail. Eff. 6/10/05. Added note #4: "Designs for heights exceeding 16 feet shall be reviewed by a structural engineer."

Ch. 6, ST-D30-GEN-1M1 and M2, R1 Open Cooling Towers Flow Diagram. Eff. 6/23/05. Formerly ST6800. Combined ST6800 Sheets 1 and 2. (facility & programmatic)

DRAFTING MANUAL (Facility)

<http://engstandards.lanl.gov/index.html#dm>

Sections 200/300, Rev. 3, Change 1. Eff. 6/5/05  rrected Figs. 202-1, 202-2, 202-3, 214.2, 214.9, 303-1, and organizational name changes.

To request a change to this newsletter's distribution contact Tobin Oruch, oruch@lanl.gov.

Previous issues of this monthly Update are available via the "What's NEW in Standards: Monthly Update" link near the lower left of the Standards homepage <http://engstandards.lanl.gov/>

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