

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 maintenance and modification of existing equipment and facilities and new facilities and equipment. [LIR 220-03-01]

Topics this month:

Standards Intro Course April 27
Standards Points-of-Contact Changes
Standards Issued during the Past Month (Programmatic & Facility)

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

Standards Intro Course April 27

Course 24140, Introduction to LANL Engineering Standards, will be taught on Wed, Apr 27, 8am-noon, at White Rock.

It provides familiarity with LANL engineering standards for anyone performing, reviewing, or managing design activities. It is also a required course for Cognizant System Engineers.

Register with PS-13 at 7-0059, esh-registration@lanl.gov, or at

http://eshtraining.lanl.gov/pls/gencouraxs/Cour_By_Number?CourseNumber=24140

Standards POC Changes

The Standards Program is pleased to announce the following personnel changes and wishes to thank William Eisele, currently of HSR-12, for serving as the Rad Protection POC for the past two years.

Hazardous Process (ESM Chapter 10)

Mike Clemmons is the new POC replacing Tobin Oruch. Mike is a registered professional chemical engineer with over 27 years of experience in various industries such as DOE national laboratories design and construction management, semiconductor and high tech facilities engineering design, petroleum refining, petrochemical and offshore oil exploration platforms. He is registered as a qualified commissioning provider (QCxP). His responsibilities have included design and operations consulting, engineering design management, project management, process and control system engineering design, plant operations, commissioning and start up on both new and retrofit projects in domestic and international locations. He has worked for companies such as Phillips Petroleum, Amerada Hess, Saudi Aramco, Stone & Webster, John Brown Engineering, and Jacobs Engineering. He has been with LANL since 2003 and is currently working in the ENG-DECS I&C Team and developing the LANL Commissioning Chapter for the ESM. (667-8102, mcllemmons@lanl.gov). The alternate POC is Mel Burnett.

Rad Protection (ESM Ch 11)

Jim Bland is the new POC replacing Bill Eisele. Jim was the primary chapter author and former alternate POC. Jim is a health physicist with over 28 years of professional experience in the medicine radiological field and at LANL. This experience includes eight years of experience as the Assistant Chief Technologist and Instructor/Educational Coordinator in Nuclear Medicine Department, Ohio State University Hospital, and over twenty years as a health physicist: two years experience medical health physics - U.S. Army; three years experience in the effects and battlefield nuclear weapon survival – U.S. Army; four years experience as radiation protection instructor and managing a NRC license; two years experience with radioactive air emissions LANL organization; five years experience in Radiological Engineering/Health Physics on LANL HSR-12 Rad Eng Team; and four years experience as HSR-12 Radiological Engineering Team Leader and HSR-12 NTS Support Team Leader. He is comprehensively certified by the American Board of Health Physics (CHP). (667-5296, jrbland@lanl.gov)

Nuclear (ESM Ch 12)

Mel Burnett is the new POC replacing Tobin Oruch. Mel is a registered professional engineer with over 20 years experience including with electronic and pneumatic controls, process-controller programming, energy-systems simulation, and system commissioning. Other work experiences include preventive maintenance, predictive maintenance, systems operation, design, design review, root-cause analysis, training, industrial safety, hazard analysis, configuration control, occurrence reporting, environmental compliance, turbine-generator overhauls, precision alignment of rotating equipment, DOE orders, NFPA, UMC, UBC, OSHA, and ASME codes, and nuclear safety design. He is currently the ENG-DECS I&C Team Leader and I&C Standards POC (667-1562, melb@lanl.gov). The alternate POC is Mike Clemmons.

STANDARDS ISSUED DURING THE PAST MONTH (Programmatic & Facility)

ENGINEERING STANDARDS MANUAL (Programmatic & Facility)

Welding Program, ESM 13, Vol 1, under GWS 1-03 -- LANL Authorized Certified Welding Inspector and Welding SME Listing added (people who must approve IWDs/checklists involving welding)

LANL CONSTRUCTION SPECIFICATIONS (Programmatic & Facility)

02310, R3 Grading, Excavating, and Trenching - Changes to mitigate contractors using non approved borrow and spoils areas, align with Section 01560, and align with NMDOT specs.

02585, R2 Underground Ductbank Systems - Revision includes that LANL SSS will furnish and install medium-voltage cables. Added requirements for coordination and scheduling. Revised schedule of separations from other systems to align with ESM Ch.3, Civil.

02554, R5 Steam and Condensate Distribution - Revision to Section 2.5A, manufacturer of the Thermacor Pipe changed product number.

15055, R0 Piping and Tubing Inspection Checklist - Initial Issue. (Fac & Programmatic)

DRAFTING MANUAL (Facility)

Correction to the Drafting Symbol G39 UCNI Stamp

http://engstandards.lanl.gov/draftman/symbol_gen.htm



Engineering Standards Update
Topics this month: March 2005

To request removal from or addition to the distribution of this newsletter, contact Tobin Oruch, oruch@lanl.gov.

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

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