United States Department of Energy **Nuclear Criticality Safety Program (NCSP)**

HANDS-ON TRAINING & EDUCATION COURSE

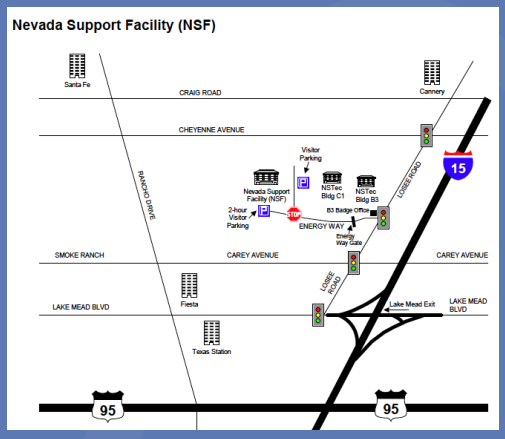
NEW NEW NEW NEW

2-Week US DOE Nuclear Criticality Safety Course Offering for CSEs

No cost for the course!

Week 1 at the Nevada Field Office/Support Facility

- DOE perspective on criticality safety regulations, standards and guides; overview of ANSI/ANS-8 standards
- Major emphasis on practical student exercises to developing criticality safety evaluations with:
  - DOE-STD-3007-2007 compliance
  - Nuclear Criticality Safety Fundamentals
  - Criticality Accidents
  - Proper utilization of NDA measurement data
  - Role of Hazards Analysis
  - Human Factors and Equipment Reliability

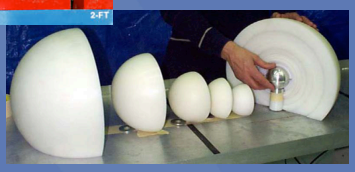


SECOND WEEK OFFERED AT TWO LOCATIONS!!!

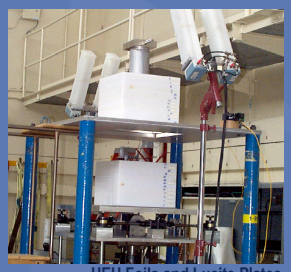
- Major emphasis on "hands-on" subcritical and "remote" critical experiments

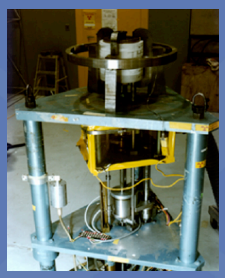
Week 2 at the Nevada National Security Site for students with Q/L clearances

Flattop Critical Assembly


Pu BeRP Ball with Polythene Reflector Shells

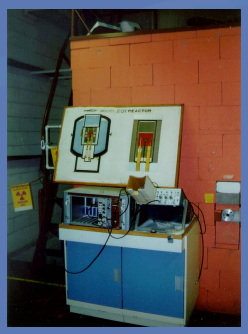
HEU Training Assembly for Criticality Safety (TACS)


HEU Foils and Lucite Plates Hand Stacking and Remote Critical Assembly


Godiva IV Fast Burst Reactor

Or...

Week 2 at Sandia National Laboratory for students with or without clearances


AGN-201M Reactor

7uPCX IEU Critical Assembly

BUCCX LEU Critical Assembly

Registration, syllabus, prerequisites, logistics, and contact information available.

http://ncsp.llnl.gov

(A 1-week course is also available for supervisors/ managers & fissile material operations managers/ handlers.)

Oak Ridge National Laboratory · Sandia National Laboratories · NCERC · Lawrence Livermore National Laboratory · Los Alamos National Laboratory