

The banner features a dark blue background with white wavy lines. On the left, there are three logos: the Department of Energy, the U.S. Nuclear Regulatory Commission (USNRC), and the Nuclear Management and Safety Society (NMSS). The text "NMMSS 2011" is prominently displayed in white, with "Users Annual Training Meeting" written below it.

NMMSS 2011

Users Annual Training Meeting

San Diego, CA
May 17-19, 2011

Accountability

Accuracy

Compliance

NMMSS Training/Tips for DOE

John Ballard

PSI

DOE Lead



San Diego, CA
May 17-19, 2011

NMMSS Training Classes

- **Upcoming NMMSS Training – Germantown, MD**
 - NMMSS I
June 21-24, 2011

 - NRC NMMSS
September 20-22, 2011

 - NRC Reconciliation Workshop
August 23-24, 2011
October 4-5, 2011



San Diego, CA
May 17-19, 2011

NMMSS Training Classes

- **MCA-112**
- **NMMSS I (Nuclear Materials Management & Safeguards System)**
- The NMMSS I Training course was designed to help the DOE and DOE contractor's personnel who have fewer than two years experience in the preparation and distribution of nuclear material reports.



San Diego, CA
May 17-19, 2011

NMMSS Training Classes

- **MCA-212**
- **NMMSS II (Nuclear Materials Management & Safeguards System)**
- The three-day workshop includes advanced NMMSS topics and is designed for experienced NMMSS users.



NMMSS Training Classes

Topic covered in NMMSS I & II

- use of TI codes, To Accounts, and For Accounts
- imports/exports
- waste transfers
- Corrections
- use of type of inventory change codes (TIC)
- calculating weight percent and acceptability limits
- Department of Defense (DOD) and Mutual Defense (91C) transfers
- compatibility errors
- inventory reporting issues
- annual reconciliation process



San Diego, CA
May 17-19, 2011

NMMSS Training

- Training classes are listed at the NMMSS website
www.hss.energy.gov/nmmss
- NMMSS News articles give information on upcoming classes
- Contact John Ballard to reserve spot in classes
john.ballard@hq.doe.gov
301-903-0092



San Diego, CA
May 17-19, 2011

NMMSS Training

- NMMSS I and NMMSS II classes receive credit from the NTC (National Training Center)
- NMMSS II will be scheduled in 2012
- Site training is available if facility has a large number of personnel needing training
- 68 students (37 DOE and 31 NRC) have attended NMMSS Training in the past year



San Diego, CA
May 17-19, 2011

NMMSS Training

■ Benefits of NMMSS Training

- Less errors by facilities
- Understanding of NMMSS reports available
- Annual reconciliation completed timely

■ Common Facility Errors

- Weight percent (Enriched Uranium)

Rounding & inventory difference adjustments

Weight % Isotope = $\text{Isotope weight} \div \text{Element weight}$

- **Common Facility Errors**
 - Project Numbers - Deactivated

Annual project conversion

September/October

■ Common Facility Errors

- Nature of Transaction, For Account, To Account

Owner code change

Nature of Transaction & For Account – DOE receive

Nature of Transaction & To Account – DOE ship

Government owned material at private facility

F0r Account/To Account

■ NMMSS Reconciliation Tips

- TJ-1X – Daily activity by facility
- Monthly reports and preliminary September reports
- A-200 Shows any inventory differences
- A-210 Material Balance by Project
- M-742 Material Balance Report
- TJ-45 Transactions

■ NMMSS Reports

- Continue to improve reports (A-200, A-210, TJ-45, M-742)
- TJ-11B Open transactions
- P-111 Project Inventory by Programmatic Responsibility
Currently generated manually

■ **NMMSS Reconciliation**

- September 2008 was closed March 2009
- September 2009 was closed January 2010
- September 2010 was closed December 30, 2010
- October 2010 was closed January 6, 2011
- November 2010 was closed January 11, 2011
- December 2010 was closed January 24, 2011
 - NMMSS back on schedule with December closing

■ NMMSS Reconciliation

- FY 2010

23 facilities reconciled upon receipt of inventory (43.4%)

32 facilities reconciled by October 22 (60.4%)

- FY 2011 Through March 31, 2011

35 facilities reconciled (67.3%)



San Diego, CA
May 17-19, 2011

NMMSS Training/Tips

Questions?