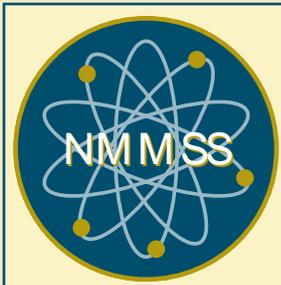


NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
*Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission*

30 Years of Service

Timothy Beckham
U.S. Department of Energy
Office of Security and Safety
Performance Assurance

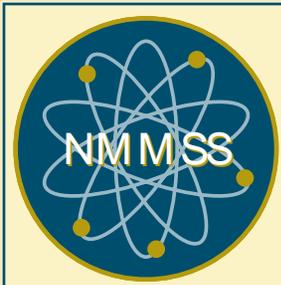


30 Years of Service

NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission

The Beginning

- No significant government accounting standards in the early 1940s
- Manual records that were detailed but not standardized were kept
- Standardized procedures were first established in 1948
 - The foundation of current procedures

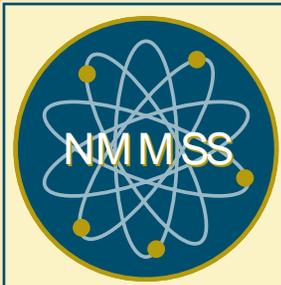


30 Years of Service

NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission

Atomic Energy Act of 1954

- Comprehensive set of procedures developed for the Atomic Energy Commission (AEC)
 - Established a set of accounting requirements incorporating generally accepted accounting principles (GAAP)
 - Facilities provided paper reports to their respective AEC field offices where the data was summarized and forwarded to the AEC headquarters

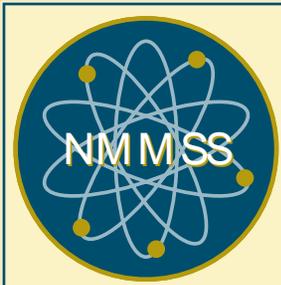


30 Years of Service

NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission

A National System

- The Nuclear Materials Information System (NMIS) was created in 1964
 - Inventory and material balance data was first provided to the system by all facilities in 1965
 - Paper input was reviewed by AEC offices then provided to the system

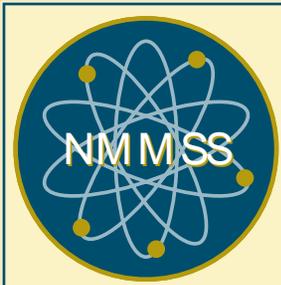


30 Years of Service

NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
*Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission*

Additional Reporting

- Transaction data was first reported to the system in 1967
 - Reporting of shipper-receiver differences
- Facilities began reporting data directly to the system in 1971

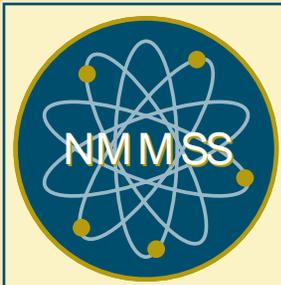


30 Years of Service

NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission

Energy Reorganization Act of 1974

- Separated the regulation of the government nuclear activities from commercial
 - The Energy Research and Development Agency (ERDA) controlled government activities
 - The Nuclear Regulatory Commission (NRC) regulated commercial activities

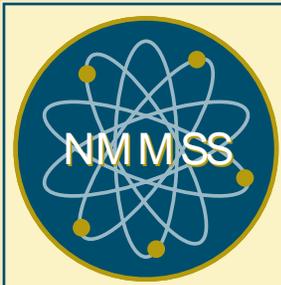


30 Years of Service

1976

- The Nuclear Materials Information System (NMIS) changed names and became the Nuclear Materials Management and Safeguards System (NMMSS)

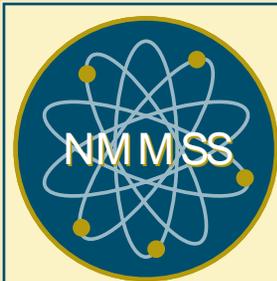
NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission



30 Years of Service

NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
*Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission*

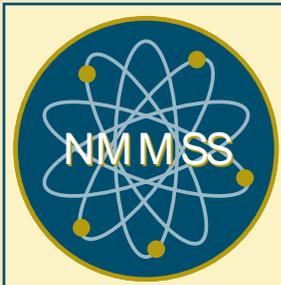
- Department of Energy Organization Act of 1977
- Dismantled ERDA and replaced it with the Department of Energy



30 Years of Service

NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
*Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission*

- In 1979, US international transaction historical data was loaded into the NMMSS
- International transaction data from shipment and retransfer files dated back to January 1950
 - Exports, imports, retransfers, uranium burnup, plutonium production and other adjusting transactions were added to NMMSS
 - Provides our most accessible information on historic international transactions

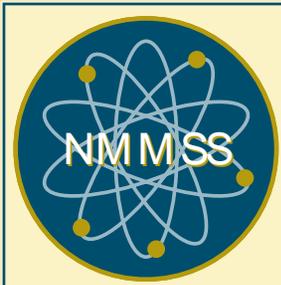


30 Years of Service

NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission

System Technology Changes

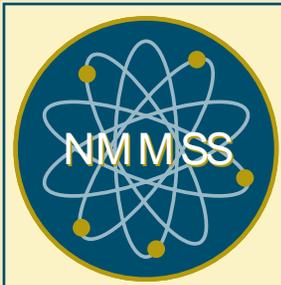
- On September 1, 1995 the NMMSS was converted from mainframe computer technology to PC-based technology
- In 1999, Year 2000 revisions were made in the NMMSS
- Established capability for users to submit unclassified data to NMMSS by the Internet in 2000



30 Years of Service

2003 System Changes

- Foreign obligations accounting was implemented
- Ownership codes were reduced from 8 to 2
- Collection of port of entry information discontinued
- Licensee submission of inventory and material balance data was changed from twice yearly to once per year

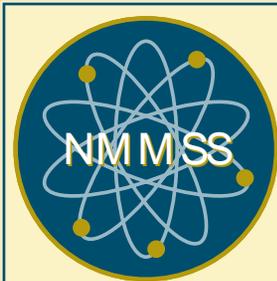


30 Years of Service

NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
*Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission*

DOE Manual Changes

- DOE M 470.4-6, Nuclear Material Control and Accountability, Approved August 2005
 - Cancelled DOE M 474.1-1B, Control and Accountability of Nuclear Materials
 - Cancelled DOE M 474.1-2A, Manual for Nuclear Materials Management and Safeguards System Reporting and Data Submission

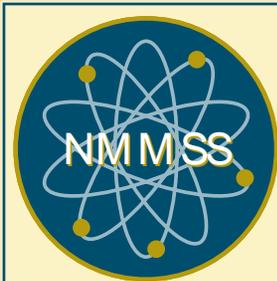


30 Years of Service

NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
*Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission*

2005 Accomplishments

- Unified Reporting Initiative
- NMMSS Berkelium reporting for DOE eliminated (still accountable at the site level)
- Elimination of the meaning of characters in the DOE RIS structure
- Item level inventory reporting available, including location
- Elimination of inventory difference explanations (action code I)
- DOE inventory submittal requirements changed from quarterly to annual (September 30 only)
- DOE Reconciliation requirement changed from semi-annual to annual (September 30 only)
- DOE receipt transaction submittal time for imports changed from 3 work days to 10 work days

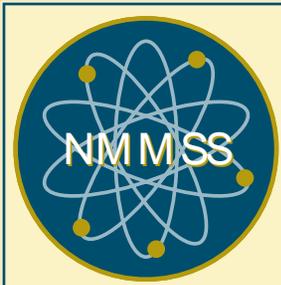


30 Years of Service

NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission

Proposed Page Changes

- Elimination of DOE Inventory Profile requirement
- Elimination of ANSI Scrap Codes for NMMSS reporting
- Add INMTS Procedure to DOE M 470.4-6
- Optional reporting of Back Reference Numbers for DOE Sites
- Requirement for Foreign Obligation Reconciliation added



30 Years of Service

NMMSS Users Annual Training Meeting
Orlando, Florida—May 23-25, 2006
Sponsored by the U.S. Department of Energy &
the U.S. Nuclear Regulatory Commission

Service for the Future

- Upgrade of the NMMSS to relational database
 - Allows NMMSS operator staff greater flexibility in generating reports and analysis activity
 - Changes to reporting requirements
- Increased interaction with the User Community
 - Continue Annual Users Training Meetings
 - Increased Special Group Studies
 - Site Assistance and Training