



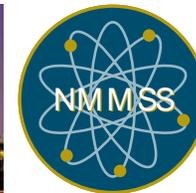
**NMMSS Users Annual Training Meeting
Atlanta, Georgia—May 22-24, 2007**

NMMSS Focus and Achievements

**Dan Collier
NAC International**

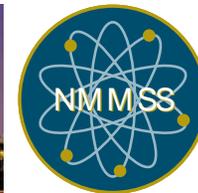
Overview

- NAC's role
 - Receive data from sites
 - Process data as received and notify sites of errors
 - Assist sites in problem solving and reconciling balances
 - Maintain and modify classified system software and hardware
 - Produce reports for US and foreign governments, licensees and IAEA
 - Inform DOE/NRC of operational issues
 - No enforcement responsibility



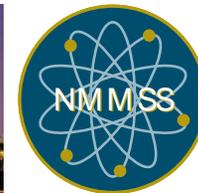
Focus

- Improving data quality and timeliness
- Supporting the NMMSS Upgrade software
- Improved responsiveness and efficiency



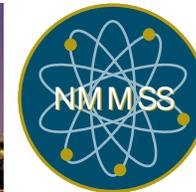
Improved Data Quality and Timeliness

- Eliminate negative inventories as they occur
 - DOE/NRC are particularly sensitive to obviously erroneous information in NMMSS
 - Goal is to identify negative inventories as they occur and assist sites in corrections before monthly closure
 - As of March 2002 there were 438 negative inventories, reduced to 3 as of March 2007



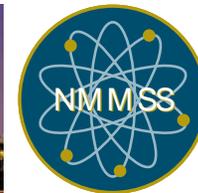
Improved Data Quality and Timeliness

- Eliminate negative inventories as they occur
 - Now check weekly and contact sites as soon as new negative inventories are identified



Improved Data Quality and Timeliness

- Reduced the number of open transactions (transactions where NMMSS has only received one side of the transaction)
 - Over 40,000 of these in the data base as of last summer
 - NRC now requires that all open transactions be closed prior to a facility being reconciled
 - Currently reduced to about 1,000



Improved Data Quality and Timeliness

- Reconciliation- Key element to assure data quality
 - NRC
 - Currently requires once per year reconciliation of those facilities licensed to possess 350 grams or more of SNM
 - About 188 facility reconciliations now occur, this expected to increase to 450 to 500 facilities under the proposed NUREG changes
 - NMMSS required to reconcile total quantities by material type, obligations and for government-owned materials by project number



Improved Data Quality and Timeliness

- Reconciliation

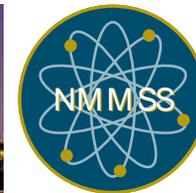
- NRC

- NMMSS is required to reconcile all sites within 30 days of inventory submittal or notify NRC
 - Sites responsibility to reconcile
 - NMMSS tries to provide what ever support is needed
 - 184 out of 188 reconciliations occurred within the 30 days

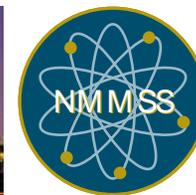
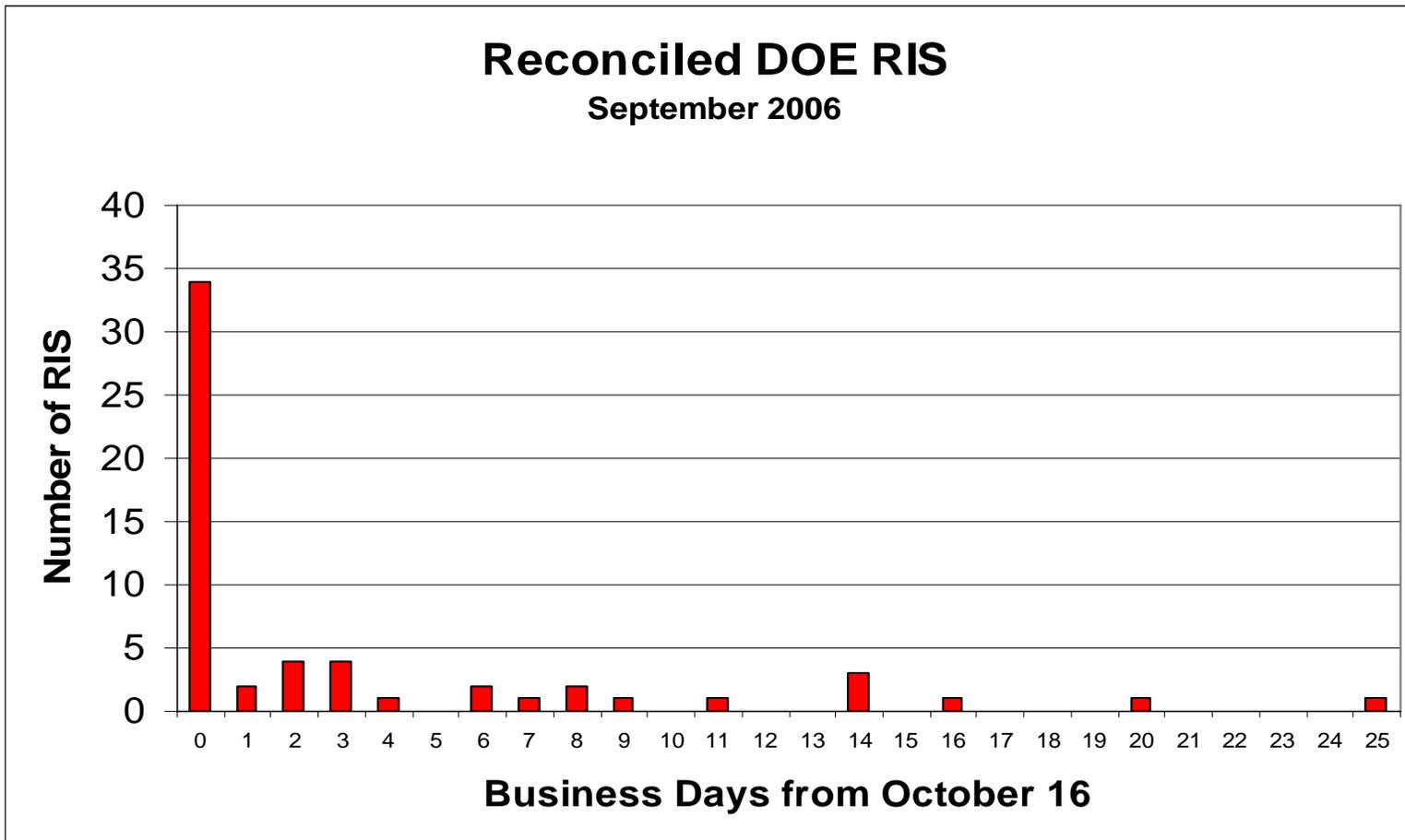


Improved Data Quality and Timeliness

- Reconciliation
 - DOE
 - DOE now requires that all sites reconcile as of the end of September of each year
 - Last year 58 facilities had to reconcile
 - NMMSS is not allowed to close September until all sites are reconciled
 - DOE reconciliation delayed closing by about a month
 - Reconciliation is a site responsibility but NMMSS will provide assistance

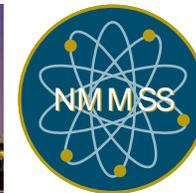


Improved Data Quality and Timeliness



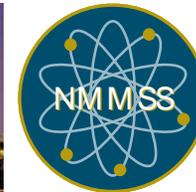
Improved Data Quality and Timeliness

- Monthly closings
 - Goal is to close within 5 business days after 15th of the following month (DOE site inventories are due)
 - Actually met this goal in every month except September and October, both delayed due DOE reconciliations
 - Averaged 26 days from the end of the month, down from almost 50 days in 2003
 - Closing important to produce timely information to users



Improved Data Quality and Timeliness

- Report distribution
 - NMMSS produces around 12,400 standard reports and over 100 special requests each year
 - Required to deliver standard reports within 10 business days of closure, averaging 6.5 days
 - Special requests are required to be delivered within 10 business days unless another date is agreed upon, all were delivered on time



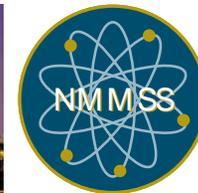
Improved Data Quality and Timeliness

- Training
 - On the order of a third of all analyst time is spent helping data submitters solve reporting problems
 - More proficient the data submitters are, the less is required of the NMMSS staff
 - During the past year, NMMSS held: 2 NRC licensee and 1 DOE training classes and 1 SAM's training class
 - In addition, several on site visits were made to help sites deal with specific issues



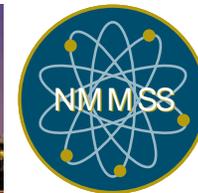
Improved Data Quality and Timeliness

- Reduced transit matching issues with IAEA
 - IAEA compares imports and exports for countries and identifies transactions that have not been acknowledged
 - These are sent to the country
 - In the past year, the US was informed of almost 750 problem transactions
 - Over 700 of these have now been resolved



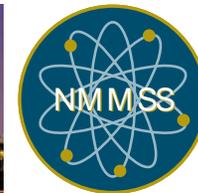
NMMSS Upgrade Support

- Assisting in the design to assure that the software meets system requirements
- Assisting in development by assuring that the developers know how the system is suppose to work
- Thoroughly testing the system to assure that it works as anticipated
- Significant extra effort that required about 1 equivalent member of our staff



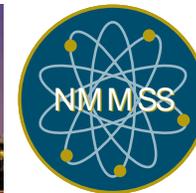
NMMSS Upgrade Support

- The amount of upgrade support has significantly increased in the first few months of this year and the trend will continue
- We plan to parallel test each new module as it is delivered and to operate both systems in parallel once all module have been delivered
- Parallel operations will increase our workload about 50%
- Challenging time for our staff
- Trying to anticipate issues and resolve as many as possible prior to parallel operations



Responsiveness and Efficiency

- NMMSS staff has worked hard to be responsive to needs and problems of data submitters and users
- Doing more with fewer staff



Future Focus

- Continue
 - Operational efficiency improvements
 - Upgrade support
 - Reconciliation support
 - Continue data quality improvements
 - Open transactions
 - Non-reportable materials
 - Data submitter training/support
- Implement diskless work stations
- Operate the DOE source data base

