

NMMSS news

PUBLISHED PERIODICALLY BY & FOR NMMSS USERS

JANUARY/FEBRUARY 2008

2008 NMMSS Users Annual Training Meeting

The 2008 NMMSS Users Annual Training Meeting will be held May 20-22, 2008 at the Omni San Antonio Hotel in San Antonio, Texas. Several topics are scheduled to be discussed, including

- ◆ NMMSS Upgrade
- ◆ Impact on Data Submitters of New Rules and System
- ◆ Update on the National Source Tracking System
- ◆ NRC Rulemaking Changes
- ◆ DOE NMMSS Policy Update
- ◆ Status of Project Numbers for DOE-owned Materials

This is a small sampling of the topics scheduled for discussion. In addition to the general discussions, Safeguards Management Software (SAMS) and NRC NMMSS Training sessions will be offered on Thursday morning. See below for additional happenings on Monday, May 19, prior to Tuesday mornings NMMSS Meeting kickoff.

Please watch your email and the NMMSS website for further meeting registration and hotel information as it becomes available. We hope to see you in San Antonio!

2008 LANMAS Annual Users Group Training Meeting

The Local Area Nuclear Material Accountability Software (LANMAS) Annual Users Group Training Meeting will be held on Monday, May 19, 2008, from 8:00 a.m. to 2:00 p.m. (please note the time change), in La Joya Ballroom (please note location change) of the Omni San Antonio. The meeting is for users to exchange information and obtain further clarification on LANMAS-related activities and is scheduled in conjunction with the NMMSS Users Annual Training Meeting (May 20-22, 2008).

Discussions will focus on a status update of the LANMAS program, including user needs, software development, enhancements, ongoing installations, maintenance activities, and training. To confirm your attendance at the meeting or request additional information, contact Fay Armstrong, Chair of the LANMAS Users Group, at 803-725-1731 or by email at fay.armstrong@srs.gov.

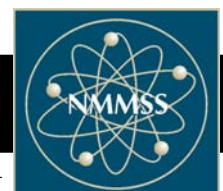
NMMSS Orientation

In conjunction with the NMMSS Users Annual Training Meeting, a special "NMMSS Orientation" will be offered 3:00 p.m. to 5:00 p.m. on Monday, May 19 in the La Joya Ballroom of the Omni San Antonio. The goal of this session is to introduce those who are new, and semi-new, to the NMMSS and the NMMSS user community and answer the many questions you will have such as: What is NMMSS? Why are both the Nuclear Regulatory Commission staff and Department of Energy staff at the NMMSS Users and Training Meeting? What does "foreign obligated" mean? What is a "Form-741"? Why is enriched uranium called "Material Type 20" in NMMSS? Everyone is invited to this open session. We hope to see you there and please bring your questions.

NMMSS Training Course for NRC Licensees

The next multi-day licensee NMMSS I training course is scheduled for June 10-12, 2008 in Atlanta, Georgia. The course will be based on the upcoming NRC reporting changes outlined in the draft NUREG/BR-0006 and NUREG/BR-0007 scheduled to go into effect on January 1, 2009 in conjunction with the NMMSS Upgrade and will include the following topics among others:

- ◆ Completion of data input forms: transaction, material balance, inventory, and concise notes
- ◆ Demonstration of the use of SAMS in creating electronic data submissions



◆ Options for sending data to NMMSS electronically

The desired class size is 20 or less. You may register for the class and obtain a course syllabus by contacting Ron Bonifay at 678-328-1116 or by email at rbonifay@nacintl.com. Be sure to include your name, job title, facility name, address, telephone number, and email address. *Note: there is no cost for this course.*

SAMS Upgrade Training Seminar

The Safeguards Management Software (SAMS) Upgrade training has been scheduled for July 22-23, 2008. The class will be a two-day hands-on computer-based course, and will be limited to 15 participants in Atlanta, Georgia. This course will be based on the beta version of the SAMS Upgrade (not Version 5.1) which will be distributed in conjunction with the implementation of the upgraded Nuclear Materials Management & Safeguards System (NMMSS) software.

SAMS is a facility-based version of the NMMSS software, managed by NAC International, for the U.S. Department of Energy (DOE) and U.S. Nuclear Regulatory Commission (NRC). The SAMS software package provides the NMMSS user the ability to input data and perform edit checks at their facility for transactions, material balance reports, and inventories. The functionality of the system is similar to the NMMSS, enabling the user to resolve problems and make corrections prior to sending the data to NMMSS. The data can be exported to a text file to send to NMMSS via electronic media, direct link, encrypted email, or DOE's Secure Information Management Exchange (SIMEX).

The free training seminar offered by NAC International and taught by NMMSS staff will be of interest to those currently using SAMS, small facilities with few transaction activities, and larger facilities planning to automate their system and integrate SAMS.

If you are interested in attending the seminar for the Upgrade SAMS, please contact Ron Bonifay at rbonifay@nacintl.com or at 678-328-1116.

Training to Be Offered at NMMSS Users Annual Training Meeting

DOE, NRC, and NMMSS are currently in the process of planning to conduct an abbreviated training session during the week of the 2008 NMMSS Users Annual Training Meeting at the Omni San Antonio Hotel in San Antonio, Texas. The training session being planned is for an abbreviated NMMSS Training Course for NRC Licensees incorporating the Safeguards Management Software (SAMS).

Current plans are to conduct the abbreviated course on the last day of the 2008 NMMSS Users Annual Training Meeting (Thursday, May 22, 2008) from 9:30 am until 12:00 pm (please note the time change).

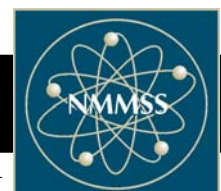
If you are interested in attending this training session, please contact Ron Bonifay at rbonifay@nacintl.com or 678-328-1116.

Upcoming NMMSS Training Course for DOE

The NMMSS II workshop has been scheduled at the Savannah River site in Aiken, South Carolina for June 24-26, 2008. This workshop is a follow-up to NMMSS I, and addresses advanced topics and report products associated with nuclear materials accounting as they apply to NMMSS. Participants are also encouraged to bring NMMSS-related issues and problems they are currently experiencing to the workshop for discussion. The NMMSS I course (MCA-112) is a prerequisite for the NMMSS II workshop.

There are no training fees for DOE facility/office personnel or DOE contractors. Other persons must pay a training fee.

Go to the DOE National Training Center website, www.ntc.doe.gov, to learn more about the workshop and for information on how to register.



NMMSS DOE Project Numbers

By Terri Hall

Nuclear Materials Planning Project Manager, BWXT Y-12

As a complimentary activity to the rewrite of DOE Order 5660.1b, *Management of Nuclear Materials*, Dale Dunsworth of the Office of Stockpile Technology and Special Materials (NA-123) established a team to review the historical and continued use of project numbers as maintained in NMMSS. "Project numbers provide vital linkages between NMMSS and other site and program nuclear materials databases, such as our Nuclear Materials Inventory Assessment (NMIA)," Dunsworth said. "We need to ensure the project numbers convey useful and accurate information."

This review team consists of federal employees and contractors with financial and nuclear materials management expertise. "The first thing identified is the fact that these project codes are indeed still used by the financial and materials management communities," said Terri Hall of B&W Y-12 who is leading the review team.

A project number is a 10-character code where, historically, the 1st character represented the operations/site office programmatically responsible for the project, and the remaining characters represented a Budget and Reporting Classification (BARC) code. Preliminary evaluation by the review team noted that many project numbers no longer maintain these correlations.

The 1st character of a NMMSS project number represents the operations/site office with programmatic responsibility for the project. When the National Nuclear Security Administration (NNSA) was established, operations and site offices were realigned as follows:

- ◆ The Albuquerque Operations Office (designation "A") transitioned to a Service Center and its area offices were replaced with three independent site offices – LANL Site Office, Sandia Site Office, and Pantex Site Office.
- ◆ The Oak Ridge Operations Office (designation "F") was split into the Oak Ridge Operations Office and the Y-12 Site Office.

- ◆ Functions of the Oakland Operations Office (designation "L") were absorbed into the Albuquerque Service Center and an independent LLNL Site Office was created.

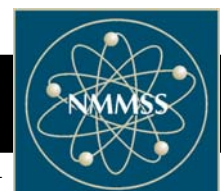
Although operations and site offices changed, the 1st character designations did not. The review team is evaluating new 1st character designations that reestablish the relationship between project numbers and responsible offices.

The next nine (2nd – 10th) characters of a project number represent the BARC code. BARC codes correlate to DOE activities and are used for reporting obligations, costs, and revenues by field offices, formulating budgets, and controlling and measuring actual (versus budgeted) performance. Various DOE organizations participate in the process of initiating, reviewing, and approving BARC codes. Typically, headquarters program and field offices control the last three characters of BARC codes, while the first six characters are reviewed and approved by the Office of Financial Control and Reporting and the Office of Budget to ensure consistency with accounting and budgetary requirements and legislation.

The review team found that many project numbers in NMMSS have not been updated to maintain the relationship between materials and budgets. The team is continuing to research the magnitude of the problem and will make recommendations on an approach to correct this situation.

Finally, the review team is assessing the potential of using project numbers to associate nuclear material management attributes with inventories by standardizing character encodings. For example, encodings could be established that correlate with treaty or other obligations, material availability or use restrictions, or disposition planning efforts. The team is continuing to review the use of project numbers to support nuclear material management. Based on initial findings, recommendations under consideration by the review team include:

1. Do not change the current format of the project number.
2. Fix the 1st character of project numbers to accurately reflect the operations/site office



that is programmatically responsibility for the materials in the project.

3. Require sites to update the last nine characters of the project number to maintain consistency with BARC codes.

The review team will continue looking at opportunities to standardize character encodings in project numbers to associate nuclear materials management attributes to material inventories, so these attributes are readily available within NMMSS data. Approved recommendations will be incorporated into the revised nuclear materials management order/manual or other policy and guidance as appropriate.

There are plans for further discussion on the status of DOE Project Numbers at this year's NMMSS Users Annual Training Meeting in San Antonio.

Establishing or Deactivating a RIS for NMMSS Reporting

DOE RIS

In order for a new DOE Reporting Identification Symbol (RIS) to be established in the NMMSS, the requesting organization must contact their field element or site office. The field office will provide the required information to DOE Headquarters, Office of Information Management (HS-1.22). HS-1.22 will instruct the NMMSS operator to assign the new RIS. The deactivation of the DOE RIS occurs when a facility's authorization to store/handle nuclear materials inventory is withdrawn. Before deactivation all inventory must be removed to a balance of zero. Request for NMMSS deactivation of the RIS is sent from the field element or site office to HS-1.22. HS-1.22 will confirm with the NMMSS that the nuclear material balance is zero and will instruct the NMMSS operator to deactivate the RIS. For additional guidance on establishing a new DOE RIS, please contact Tina Barnett at tbarnett@nacintl.com or 678-328-1126.

NRC RIS

In order for a new NRC or Agreement State Licensee RIS to be established by NMMSS, the requesting organization must contact Brian Horn at

NRC Headquarters (301-492-3122), who in turn will instruct NMMSS to assign the new RIS. Before deactivation, all inventories must be removed to a balance of zero. A request for the deactivation of a NRC issued RIS must also be directed to Brian Horn at the NRC (301-492-3122). Prior to deactivation, the NRC will request confirmation from NMMSS that the nuclear material balance is zero, and will subsequently instruct NMMSS to deactivate the RIS. For additional guidance on establishing a new NRC RIS, contact Ron Bonifay at rbonifay@nacintl.com or 678-328-1116.

NMMSS Outreach

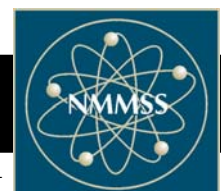
Outreach to our users who submit data to the NMMSS is one of our most important responsibilities. Although the NMMSS presents an annual users training meeting, individualized assistance is also available from the DOE NMMSS sponsor and NMMSS staff. By working with our user sites in their own environment, our dedicated team can discuss issues, share knowledge and experiences, and help resolve data problems. To request assistance from DOE Headquarters, please contact Peter Dessaulles at pete.dessaules@hq.doe.gov or 301-903-4525. If you would like assistance from the NMMSS staff, please contact Tina Barnett at tbarnett@nacintl.com or 678-328-1126.

SAMS 5.1 is Now Available

SAMS 5.1 is now available for users of the Safeguards Management Software (SAMS). If you are using SAMS 5.0, you will want to install this version. Listed below are the fixes and the updates included in Version 5.1.

Bugs which have been fixed in SAMS 5.1:

- ◆ **Transactions** – The option to create an 80-Column Format export file places the Element Weight in the Element Weight and Element Limit of Error columns.
- ◆ **Transactions** – The option to create an XML Format file produces a software error when the option is selected.
- ◆ **Save Historical Data** – If the software was unable to locate the previous version and



prompted the user to provide the location, the "Folder Browser" would not allow a user to select the parent Folder.

UPDATES

All lookup and validation tables have been updated. Transaction, Inventory and Material Balance edit check routines also contain the latest edit checks.

If you are a current SAMS user you will be receiving Version 5.1 on CD automatically via mail. If you are not a SAMS user and would like to be added to distribution, please contact Shirley Williams (678-328-1131 or swilliams@nacintl.com). SAMS is provided free of charge.

Unnecessary Transaction 'S' Action Code Submittals by DOE Facilities

DOE/NNSA contractor sites may be allowed to use the 'S' action code where an approved shipper-receiver agreement is in effect and the use of 'S' action code is identified in the agreement. The 'S' action code identifies receiver's data accepting shipper's weights under a safeguards closure arrangement. NRC and agreement state licensees are not allowed to use the 'S' action code.

Some facilities are submitting more transactions than necessary when it comes to the transfer of safeguards material. Receivers submitting a 'B' or 'E' transaction within the same NMMSS processing period as the submitted 'A' do not have to submit a 'S' action code transaction. Submitting a 'B' or 'E' transaction states that the material has been received, the same as submitting an 'S' in the same period. The difference lies in the fact that the 'B' and the 'E' signifies that the material has been measured and either the shipper's values accepted (B) or the receiver is reporting its own measured values (E). This is different from a facility receiving safeguards material and being unable to measure it for an extended period of time. In this latter case, the facility can submit an 'S' action code transaction followed by a 'B' or 'E' at a later date.

The 'S' action code was originally requested by a facility that was receiving safeguards (IAEA) material that they would be unable to measure for an extended period of time. The facility wanted to reflect the fact

that the material had been received and was not in-transit or reflected as an open transaction on reports. Once the facility was able to measure the material, a 'B' or 'E' transaction would be submitted to closeout the transaction.

If you have any questions concerning the use of the 'S' action code, please feel free to contact Sam Brown at 678-328-1129 or sbrown@nacintl.com.

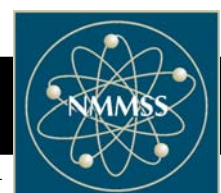
Suggested Articles

Do you have NMMSS-related questions or topics that you would like to see addressed in a future NMMSS News? If so, please forward them to Tina Barnett at tbarnett@nacintl.com or 678-328-1126.

Transaction and Inventory Due Dates For DOE Sites

Please note NMMSS transaction and inventory due dates for DOE sites are as follows.

Reporting Month	Transactions Due	Inventory Due
February 2008	March 12	March 17
March 2008	April 10	April 15
April 2008	May 12	May 15
May 2008	June 11	June 16
June 2008	July 11	July 15



Calendar of Events

Dates	Events
May 20-22, 2008	2008 NMMSS Users Annual Training Meeting, San Antonio, Texas
May 22, 2008	Abbreviated Licensee NMMSS-1 Training and abbreviated SAMS Training San Antonio, Texas (both include NMMSS Upgrade changes)
June 10-12, 2008	Licensee NMMSS-1 Upgrade Training Atlanta, Georgia
June 24-26, 2008	NMMSS II Training Course for DOE, Aiken, South Carolina
July 22-23, 2008	Safeguards Management Software (SAMS) Training Atlanta, Georgia

2008 NMMSS Holiday Schedule

NMMSS Closed	Occasion
May 26	Memorial Day
July 4	Independence Day
September 1	Labor Day
October 13	Columbus Day
November 27-28	Thanksgiving
December 25-26	Christmas

The NMMSS News is published at the direction of the Department of Energy (DOE) and Nuclear Regulatory Commission (NRC). General comments on the publication can be made to Tina Barnett of NAC (tbarnett@nacintl.com, 678-328-1126), Peter Dessaulles of DOE (Pete.Dessaules@hq.doe.gov, 301-903-4525), or Brian Horn of NRC (BGH1@nrc.gov, 301-492-3122).

