



NMMSS News

Nuclear Materials Management & Safeguards System

Published Periodically by & for NMMSS Users

April 2014

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Special

Announcement

NMMSS 2014

Annual Users Training Meeting

May 12-15, 2014

Please Mark Your Calendar!

The Nuclear Materials Management and Safeguards System (NMMSS) 2014 Annual Users Training Meeting will be held May 12-15, 2014, in Denver, Colorado. NMMSS is the U.S. Government's official information system containing current and historical accounting data and other related nuclear material information collected from both government and commercial nuclear facilities. The data serve a critical role in aiding risk-informed decision making related to regulatory functions, international programs, materials management, program management, and financial management.

The NMMSS 2014 four-day event provides a unique training and information sharing opportunity for the Nuclear Regulatory Commission (NRC) licensees, the Department of Energy (DOE)/National Nuclear Security Administration (NNSA) Federal and contractor organizations, and other domestic and international entities. These include: 1) basic and advanced training sessions; 2) regulatory updates; 3) hands-on software orientation; 4) technical and regulatory issues of importance to the NRC licensees and DOE/NNSA contractors; 5) breakout sessions focused on NMMSS, Nuclear Materials Management Team (NMMT), and the Local Area Nuclear Material Accountability Software (LANMAS); 6) one-on-one consultation and technical support; 7) an industry roundtable discussion to share ideas and identify opportunities for improvement; and 8) topical presentations on emerging domestic and international developments.

To participate in this event, please visit <http://70.91.69.161/nmmss2014/> to register. The block of rooms set aside for the Meeting at the Denver Marriott City Center has sold out at the government per diem rate of \$156/night. You may still be able to reserve a room at the hotel at the government per diem rate; however, the decision is at the hotel's discretion. Other nearby hotels may also honor the government per diem rate.

Residence Inn Denver City Center

1725 Champa St
Denver, CO 80202
(303) 296-3444
<http://www.marriott.com/>

Comfort Inn Downtown

401 17th St
Denver, CO 80202
(303) 296-0400
<http://www.comfortinn.com/>

Grand Hyatt Denver

1750 Welton St
Denver, CO 80202
(303) 295-1234
<http://granddenver.hyatt.com/>

Courtyard by Marriott

934 16th Street Mall
Denver, CO 80202
(303) 571-1114
<http://www.marriott.com/>

Magnolia Hotel

818 17th St
Denver, CO 80202
(303) 607-9000
<http://www.magnoliahotels.com/>

Meanwhile, please contact Pete Dessaulles (DOE/NNSA) Pete.Dessaulles@nnsa.doe.gov or Brian Horn (NRC) Brian.Horn@nrc.gov with any questions or topics of significance to your organization that you would like addressed at the meeting.

A Big Welcome to Richard W. Meehan, Acting Director, NA-73

The NMMSS staff welcomes Richard Meehan as the Acting Director of the NNSA Office of Nuclear Material Integration (NA-73). He is filling the vacancy left by Xavier Ascanio, who retired in February after 33 years of Federal service. In this position, Mr. Meehan is responsible for all activities to support and maintain NMMSS as well as the Nuclear Materials Inventory Assessment (NMIA). These systems are critical to the management and control of national and DOE/NNSA

A Big Welcome to Richard W. Meehan, Acting Director, NA-73 (continued)

inventories of accountable nuclear materials. He is also responsible for forecasting and allocating these materials for programmatic use throughout the Department. In addition, he is developing and implementing strategies for conservation and use of other DOE/NNSA assets in support of Departmental mission objectives.

Prior to his current assignment, Mr. Meehan was a Foreign Affairs Specialist with the Office of Defense Nuclear Nonproliferation, where he established and led programs to train and equip foreign law enforcement officers to detect illicit radioactive materials in commerce. Working in cooperation with the International Criminal Police Organization (INTERPOL), he led missions to train and equip police officers in 15 countries from Southeast Asia to East Africa to interdict potential terrorist acts involving radioactive materials.

Mr. Meehan also served as Deputy Director of the National Center of Excellence for Materials Recycle in Oak Ridge, TN. The Center provided technical support and financial assistance to sites for dispositioning excess materials and equipment. Under his leadership, an authorized limit for lead reuse was developed and used to beneficially reuse lead previously used in radiological applications by DOE. He also developed processes to salvage classified materials by destroying their classified attributes and recovering their value through commoditization and commercial sale. During his tenure, the Center booked over \$77M of verified avoided cost and investment recovery across the Department.

Obligation Codes for Russian Federation

In May 2008, the Agreement for Peaceful Nuclear Cooperation between the U.S. and the Russian Federation entered into force. Like most other Agreements for Peaceful Nuclear Cooperation, this Agreement allows for nuclear material imported to the U.S. to be subject to the terms and conditions of the Agreement, including tracking and reporting. NRC has recently been informed that the first shipments of Russian nuclear materials are expected to be delivered to the U.S. this calendar year. In preparation for the material imports, the following eight new foreign obligation codes have been established to allow industry to track and report Russian Federation nuclear materials to NMMSS, and are available for immediate use:

Obligation Code*	MBR Category	Obligation Title	MBR Line Title
36	C1	Russia	C1. RUSSIA (36)
96	C2	Australia/Russia	C2. AUSTRALIA/RUSSIA (96)
97	C3	Canada/Russia	C3. CANADA/RUSSIA (97)
65	C4	Japan/Russia	C4. JAPAN/RUSSIA (65)
66	C5	EURATOM/Russia	C5. EURATOM/RUSSIA (66)
67	C6	Australia/Japan/Russia	C6. AUSTRALIA/JAPAN/RUSSIA (67)
68	C7	Canada/Japan/Russia	C7. CANADA/JAPAN/RUSSIA (68)
69	C8	EURATOM/Japan/Russia	C8. EURATOM/JAPAN/RUSSIA (69)

***The above new obligation codes do not replace the "WR" code that continues to be used to identify downblended Russian weapons material.**

If industry identifies a need for an additional foreign obligation code, please contact Mitch Hembree at (301) 903-6299 or email at Mitch.Hembree@nnsa.doe.gov.

Federal Register Notice: NRC's Proposed Information Collection Renewal

The February 25, 2014, edition of the Federal Register, pages 10575-10576, contains information about NRC's plan to renew the approval from the Office of Management and Budget for DOE and the NRC to collect information using DOE/NRC Form 742, "Material Balance Report," DOE/NRC Form-742C, "Physical Inventory Listing," and NUREG/BR-0007, "Instructions for the Preparation and Distribution of Material Status Reports (DOE/NRC Forms 742 and 742C)." This request also seeks approval to categorize these forms as common forms, a term applied to forms that all Federal agencies may request to use without additional 30- or 60-day notice and comment requirements. At that point, each agency will account for its number of respondents and the burden associated with the agency's use. The Federal Register Notice requests that members of the public submit comments through April 28, 2014. This notice can be accessed at the following link:

<https://www.Federalregister.gov/articles/2014/02/25/2014-03989/agency-information-collection-activities-proposed-collection-comment-request>.

NRC had previously published a similar notice in the December 27, 2013, edition of the Federal Register, soliciting comments by February 25, 2014, on DOE/NRC Form 740M, "Concise Note," DOE/NRC Form 741, "Nuclear Material Transaction Report," and NUREG/BR-0006, Revision 7, "Instructions for Completing Nuclear Material Transaction Reports (DOE/NRC Forms 741 and 740M)."

Topics Needed for the Industry Roundtable at the Upcoming 2014 NMMSS Annual Users Training Meeting

During the 2013 NMMSS Annual Users Training Meeting, two industry roundtables were held. Feedback from attendees indicated that the roundtables are valuable to industry and should be repeated at the 2014 NMMSS Users Training Meeting. Industry feedback also requested that industry representatives serve as roundtable coordinators to further enhance the effectiveness of the roundtables. The industry representatives were to start soliciting issues prior to the Users Training Meeting.

In response to industry feedback, NRC requests that industry representatives consider volunteering to represent industry at the 2014 meeting. If you would like to be an industry volunteer, please contact Brian Horn at (Brian.Horn@nrc.gov).

Paul Adam, Wolf Creek Nuclear, has volunteered to be the Session Lead for the Industry Roundtable Discussion. Industry representatives are encouraged to contact Paul Adam at paadam@WCNOC.com to discuss the issues to be covered during the roundtable discussion. If you would like to share the Session Lead with Paul, please contact him directly.

Upcoming NMMSS II Training Course for DOE

The DOE NMMSS II (MCA-212) training course has been scheduled for **June 10-12, 2014**, at DOE Headquarters in Germantown, MD. It is a follow-up to NMMSS I and addresses topics and report products associated with nuclear materials accounting as they apply to NMMSS. Participants are also encouraged to share NMMSS-related issues and potential problems they may currently be experiencing. The NMMSS I course (MCA-112) is the prerequisite for the NMMSS II workshop.

The desired class size is 12 or less. A minimum of 6 is required to conduct the class. You may register for the class by contacting John Ballard at (301) 903-0092, or by email at John.Ballard@nnsa.doe.gov, and providing him with your name, nationality, job title, facility name, address, telephone number, and email address. Students must also register for the class with the NTC at <https://ntc.doe.gov/default.aspx>. There are no training fees for DOE personnel or DOE contractors.

If interested, please respond by May 30, 2014

Upcoming NMMSS Training Course for NRC

NMMSS training for NRC licensees is scheduled for **July 15-17, 2014**, at DOE Headquarters in Germantown, MD. This course is designed for individuals with limited experience in NRC reporting requirements and is based on NUREG/BR-0006, Rev. 7 and NUREG/BR-0007, Rev. 6. The following topics, among others, will be included:

- Completion of data forms: transactions, inventory, and material balance;
- Inventory reconciliation;
- Foreign obligations reporting; and
- Report products.

The desired class size is 10 or less. A minimum of 6 is required to conduct the class. You may register for the class by contacting John Ballard at (301) 903-0092, or by email at John.Ballard@nnsa.doe.gov, and providing him with your name, nationality, job title, facility name, address, telephone number, and email address. Due to security requirements for entering the DOE Germantown facility, all potential students who are not U.S. citizens MUST register for this workshop at least 45 days prior to the instruction dates. There is no cost for this course.

If interested, please respond by June 30, 2014

Upcoming NMMSS I Training Course for DOE

The DOE NMMSS I (MCA-112) training course has been scheduled for **September 9-12, 2014**, at DOE Headquarters in Germantown, MD. This course is designed for personnel who have less than two years' experience in nuclear materials accounting.

The desired class size is 12 or less. A minimum of 6 is required to conduct the class. You may register for the class by contacting John Ballard at (301) 903-0092, or by email at John.Ballard@nnsa.doe.gov, and providing him with your name, nationality, job title, facility name, address, telephone number, and email address. Students must also register for the class with the NTC at <https://ntc.doe.gov/default.aspx>. There are no training fees for this course.

If interested, please respond by August 22, 2014



International Atomic Energy Agency (IAEA) Reporting Summary 2013

NMMSS supports NRC in reporting facility data to the IAEA, as documented in Code 10 of the Subsidiary Arrangement to the U.S./IAEA Safeguards Agreement, the modified requirements agreed to by the U.S. Government, and U.S. reporting requirements under INFCIRC/207, the U.S./IAEA Safeguards Agreement (INFCIRC/288), GOV/2588, or other agreements identified by the NRC. NMMSS audits and reconciles IAEA-selected licensee inventories and provides support to all audit activities associated with obligated nuclear materials within the U.S. IAEA tracks the timeliness and accuracy of U.S. reporting of processed data.

During 2013, the NMMSS staff sent 15 diskettes containing 62 reports with over 49,000 lines of data to the IAEA. This included import and export transaction activity for all U.S. facilities along with transaction, inventory, and material balance data for the five selected and/or attached facilities. The IAEA reviewed the reports and determined 14,189 lines were reported late and 3,768 lines contained at least one error.

Given the visibility of these facilities, NMMSS staff is to improve these numbers wherever possible. Your facility may be contacted directly for information and assistance in this matter. In the interim, please ensure that you submit data accurately and timely.

NRC Reconciliation

All NRC and Agreement State licensees who possess, or had possessed in the previous year, reportable quantities of special nuclear material, foreign obligated and/or DOE government-owned source material (G owner code) are required to report their physical inventory and material balance information to NMMSS. Information from DOE/NRC Form 742, 742C, along with any necessary 741s, is compiled to create the facility Material Status Report (MSR). The MSR is required by NMMSS for facility reconciliation.

As a benchmark for activity in 2013, 322 MSRs were received and processed by the NMMSS staff; of these, 306 were reconciled with the respective facility for CY 2013. On a monthly average, NMMSS received 27 complete MSRs and processed to closure 26 MSRs. The average number of days between the receipt of the MSR and the facility reconciliation closure is 13 days.

Please ensure that your MSR is reported on time and is complete to help NMMSS to process your submittal in a timely manner.

Licensees who wish to return excess government-owned nuclear material need to notify Pete Dessaulles, (301) 903-4525, Pete.Dessaulles@nnsa.doe.gov; or Jim Crabtree, (301) 903-6008, James.Crabtree@nnsa.doe.gov, as soon as possible.

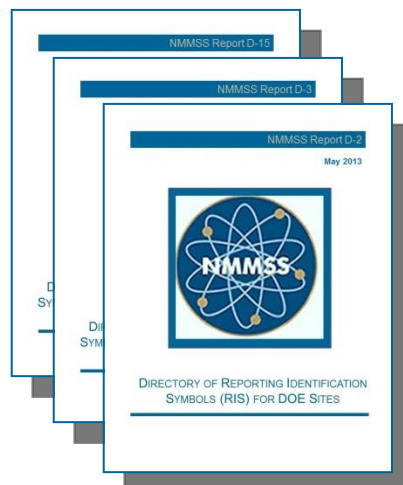
NMMSS Website Updates

- Schedule of Upcoming Training in 2014 and 2015: <http://nnsa.energy.gov/sites/default/files/nnsa/04-14-inlinefiles/2014-04-11%20Upcoming%20NMMSS%20Training%202014%20and%202015%20Final.pdf>
- NMMSS Users Guide for use by the Department of Energy, Rev. 2.0, dated April 2013: <http://nnsa.energy.gov/sites/default/files/nnsa/04-13-inlinefiles/2013-0408%20Nuclear%20Materials%20Management%20and%20Safeguards%20System%20Users%20Guide%20Rev%202%20April%202013.pdf>



NMMSS Directories for Reporting Identification Symbols (RIS)

NMMSS staff requests that sites submit updates to the D-2: NMMSS Directory of Reporting Identification Symbols (RIS) for DOE sites, the D-3: NMMSS Directory of Reporting Identification Symbols (RIS) for NRC/Agreement State licensed sites, and the D-15: NMMSS Directory of Reporting Identification Symbols (RIS) for sites located outside of the U.S. The latest version of the directories will be available at the Users Meeting and upon request.





Transaction/Inventory Due Dates for DOE Sites

Reporting Month	Transaction Due	Inventory Due
March 2014	April 10	April 15
April 2014	May 12	May 15
May 2014	June 11	June 16
June 2014	July 11	July 15
July 2014	August 12	August 15
August 2014	September 11	September 15
September 2014	October 10	October 15

Upcoming 2014 Observed Holidays

Memorial Day	Monday, May 26
Independence Day	Friday, July 4
Labor Day	Monday, September 1
Columbus Day	Monday, October 13
Veterans Day	Tuesday, November 11
Thanksgiving	Tuesday, November 27
Christmas Day	Thursday, December 25

NMMSS Points of Contact

Name	Key Function	Phone	Email Address
Karen Antizzo	Senior Analyst - DOE	(301) 903-0872	Karen.Antizzo@nnsa.doe.gov
John Ballard	Lead Analyst - DOE Reconciliation	(301) 903-0092	John.Ballard@nnsa.doe.gov
Elaine Beacom	Senior Analyst - DOE	(301) 903-1328	Elaine.Beacon@nnsa.doe.gov
Carl Berger	Senior Analyst - NRC	(301) 903-3656	Carl.Berger@nnsa.doe.gov
Mitch Hembree	Lead Analyst - Obligations Reporting	(301) 903-6299	Mitch.Hembree@nnsa.doe.gov
Gary Hirsch	Lead Analyst - IAEA Reporting	(301) 903-6870	Gary.Hirsch@nnsa.doe.gov
Mary McConnell	Senior Analyst - NRC	(301) 903-6240	Mary.McConnell@nnsa.doe.gov
Len Myers	Senior Analyst - DOE	(301) 903-2180	Len.Myers@nnsa.doe.gov
Patricia Smith	Lead Analyst - NRC Reconciliation	(301) 903-6860	PatriciaR.Smith@nnsa.doe.gov

Department of Energy
Peter Dessaules (301) 903-4525
Pete.Dessaules@nnsa.doe.gov

Nuclear Regulatory Commission
Brian Horn (301) 287-9129
Brian.Horn@nrc.gov



DOE International POC
James Crabtree (301) 903-6008
James.Crabtree@nnsa.doe.gov

NRC International POC
Santiago Aguilar (301) 287-9136
Santiago.Aguilar@nrc.gov

Homepage: <http://nnsa.energy.gov/nmmss>
Email: NMMSS@nnsa.doe.gov
Unclassified Fax: (301) 903-1998

Unclassified/Overnight Surface Mail Addresses

Unclassified

Karen Antizzo

NMMSS Program, NA-73, Germantown Bldg
U.S. Department of Energy
1000 Independence Avenue, SW
Washington, DC 20585-1290

Overnight – Unclassified

Karen Antizzo

U.S. Department of Energy
Attn: NMMSS Program, NA-73
19901 Germantown Road
Germantown, MD 20874-1207

Classified

The NMMSS classified mailing address is available on the Safeguards and Security Information Management System (SSIMS) or by calling a NMMSS analyst. Identify Karen Antizzo as the recipient and NA-73 as the organization.

IMPORTANT: The “DO NOT X-RAY” marking does not prevent incoming packages from being sanitized. Please package compact discs (CDs) in cardboard rather than plastic casings. The plastic is heated by the sanitization machine, thereby warping the CD. There is less chance of this occurring if the CD is packaged in cardboard.

For information on transmitting classified data to NMMSS electronically, contact Jim Crabtree, (301) 903-6008 or James.Crabtree@nnsa.doe.gov.

NMMSS News is sponsored by the Department of Energy (POC: Pete Dessaules; Pete.Dessaules@nnsa.doe.gov, (301) 903-4525) and the Nuclear Regulatory Commission (POC: Brian Horn; Brian.Horn@nrc.gov, (301) 287-9129). Please provide feedback or suggested topics of interest to Karen Antizzo; Karen.Antizzo@nnsa.doe.gov, (301) 903-0872.