

Topics in this Issue

- Register – 2018 Users Training Meeting
- DOE Project Number Working Group
- Training Course: NMMSS Reporting for NRC Licensees
- Soliciting Case Studies
- Obligations Tracking
- University Returns of Government-Owned Material
- NRC Reconciliation: Material Status Reports
- NMMSS Site Visit: GNFA
- NMMSS-EURATOM Working Group
- Products to Assist the NMMSS Community
- Important Due Dates
- Upcoming 2018 Observed Holidays
- NMMSS Points of Contact
- Mailing Addresses



Only 4 Weeks Away! Register for the 2018 NMMSS Annual Users Training Event

The annual Nuclear Materials Management and Safeguards System (NMMSS) training will be held May 14-17, 2018, in New Orleans, Louisiana. The training is planned and organized jointly by the Department of Energy (DOE)/National Nuclear Security Administration (NNSA) and the Nuclear Regulatory Commission (NRC). There is no fee associated with this training opportunity. The four-day training event provides a unique forum to learn and share information and experiences associated with a wide range of important topics that affect domestic and international reporting of nuclear materials.

Please register for the training and reserve hotel accommodations at <https://nmmss2018.linksolutions.com>. The reserved block of rooms is sold out; however, several hotels within walking distance to the training venue still have rooms available at the government per diem rate of \$152 for May 13-May 18.



These hotels are listed below by distance from the convention center:

- Springhill Suites New Orleans Downtown/Convention Center
- Courtyard New Orleans Downtown/Convention Center
- Residence Inn New Orleans Downtown
- Residence Inn New Orleans Arts Warehouse District
- New Orleans Marriott
- J W Marriott New Orleans
- Fairfield Inn & Suites New Orleans Downtown/French Quarter
- Courtyard New Orleans Downtown near the French Quarter
- AC Hotel New Orleans Bourbon
- Renaissance New Orleans Pere Marquette French Quarter

The registration website includes a draft agenda. Final agenda will be posted by late April. If you are interested in a specific topic or would like to make a presentation, please send your suggestions to Mr. Pete Dessaulles at pete.dessaules@nnsa.doe.gov or Ms. Mirabelle Shoemaker at Mirabelle.shoemaker@nrc.gov.

DOE Project Number Working Group

The Office of Nuclear Materials Integration (ONMI) is excited to announce a new initiative, a Project Number Working Group (PNWG). The PNWG brings together nuclear material managers, material and control managers, and other subject matter experts to further enhance project number applications and implementation so that growing needs of nuclear material management are met. These needs include establishing, reporting, and validating project numbers; taking positive steps to prevent the potential for orphaned-in-place material; and developing a means to facilitate real-time movements of material to disposition pathways, thereby helping nuclear material managers with lifecycle management.

Additionally, this working group will have input into the annual Project Number Guidance by providing feedback on how to improve the guidance and make it more helpful to users at all levels. If you are interested in joining the PNWG, please contact Shannon Chester at shannon.chester@nnsa.doe.gov.

Training Course: NMMSS Reporting for NRC Licensees

NMMSS training for NRC licensees and Federal employees is scheduled for **July 10-12, 2018**, at 20250 Century Blvd., first floor conference room, Germantown, MD. There is no fee associated with this training opportunity. The course provides a comprehensive overview of applicable nuclear material reporting requirements for NRC licensees. The content is based on the requirements of NUREG/BR-0006, Rev. 8 and NUREG/BR-0007, Rev. 7. The following topics, among others, will be included:

- An overview of the nuclear fuel cycle;
- Completion of data forms: inventory change reports (transactions), physical inventory, and material balance;
- The inventory reconciliation process and interface with NMMSS;
- Special reporting requirements for facilities selected under safeguards by the International Atomic Energy Agency (IAEA);
- Foreign obligations reporting;
- Reporting tips and best practices, and
- NMMSS reports and resources available to support licensees with successful reconciliation.

If interested in attending, please send the following information by Friday, July 6, 2018, to NMMSS@nnsa.doe.gov: name, organization/company, title, address, phone, email, and citizenship. Seats are limited. Please register early.

Soliciting Case Studies

NMMSS is soliciting “case study” scenarios from the entire stakeholder community to integrate real-life facility circumstances and reporting issues, lessons learned, and best practices into NMMSS training classes. The case studies highlight the congruence of facility-specific business practices and regulatory requirements and examine unique circumstances that necessitate a fresh look at reporting protocols. The solicited topics are intended to be diverse and encompass a broad range of topics, including the reporting of imports and exports, obligations, transactions involving domestic facilities (including between NRC and DOE facilities), licensing, reporting updates or corrections to previously reported transactions, reporting batch names, and accounting for government-owned material. The facility-specific aspects of the case studies will remain anonymous, as all case studies are presented as hypothetical scenarios. Please send any case studies to Mirabelle Shoemaker at Mirabelle.shoemaker@nrc.gov or Pete Dessaulles at pete.dessaules@nnsa.doe.gov.

Obligations Tracking

NMMSS is excited to announce new enhancements to the obligations reporting process for 2018. In response to recent recommendations by the Government Accountability Office (GAO), feedback received from other NNSA organizations, and interactions with several facilities, NMMSS has instituted, and is in the midst of implementing, a number of new analytical tools and reports to provide greater visibility to facility-specific obligation balances on an ongoing basis. The outcome will streamline the annual obligations reconciliation process. Over the coming months, NMMSS will announce the release of the new reports and resources available. Meanwhile, facilities can reach out to NMMSS staff and request their obligations summary data on report TJ-003O in Excel, XML, or PDF formats.

University Returns of Government-Owned Material

ONMI staff, in collaboration with NMMSS, have initiated an outreach effort to the universities that possess government-owned material. The central focus of this effort is to determine which material is no longer of use to those universities. The resultant insights will be used to assess and scope the process and criteria to enable safe and secure return of material to the Department of Energy. If you have received an inventory assessment form and have not returned it yet, please do so. Furthermore, if you possess government-owned material at your university and have not received the inventory assessment form, please contact ONMI staff: Ms. Katie McGivern (301-903-7509), Katie.mcgivern@nnsa.doe.gov or Ms. Shannon Chester (301-903-7449), Shannon.chester@nnsa.doe.gov. Once the initial phase of data collection is completed, ONMI will begin the necessary internal coordination and scoping processes. The ensuing results will be communicated with the affected universities.

NRC Reconciliation – Material Status Reports Are Due

NRC regulations require licensees to report to NMMSS if they possess one gram or more of special nuclear material (SNM) (plutonium, uranium-233, or uranium-235 contained in enriched uranium) or one kilogram or more of foreign-obligated source material (natural uranium, depleted uranium, or thorium). Most NRC licensees report to NMMSS by calendar year. Sites whose reporting period ends on December 31 are required to submit their Material Status Reports to NMMSS by March 31. Below are some tips to help facilitate a smooth reconciliation. As always, NMMSS analysts are available to provide technical assistance by phone or email. Please see the Points of Contact at the end of this newsletter for an updated listing of the NMMSS analysts.

1. All Government-owned material is reportable per NUREG/BR-0006, Rev. 8, including all SNM, source material, and other materials listed in the Reportable Elements and Isotopes section of the [NMMSS User's Guide](#).
2. For non-government-owned material, licensees are required to submit a Material Status Report (MSR) when their facilities:
 - Possessed, shipped, or received one gram (≥ 0.5 g) or more of SNM during the reporting period (see the table below); OR
 - Possessed, shipped, or received one kilogram (≥ 0.5 kg) or more of foreign obligated source material (natural uranium, depleted uranium, or thorium – see the table below); OR
 - Imported or exported 1 kg (≥ 0.5 kg) or more of source material.
3. Fillable Forms 742 and 742C (recommended) are posted on the NRC website: <http://www.nrc.gov/reading-rm/doc-collections/forms>. The fillable forms installation package may be obtained at the [NMMSS website](#) or by submitting a request to the [NMMSS mailbox](#).

Material	Material Type	Reporting Unit (rounded up)	Weight that is Reported
Depleted uranium	10	Whole kilogram	Element and isotope
Enriched uranium	20	Whole gram	Element and isotope
Plutonium	50	Whole gram	Element and isotope
Uranium-233	70	Whole gram	Element and isotope
Normal uranium	81	Whole kilogram	Element only
Plutonium-238	83	Tenth of a gram	Element and isotope
Thorium	88	Whole kilogram	Element only

For any regulatory questions, please contact Mirabelle Shoemaker, NRC NMMSS Program Manager, by telephone at (301) 415-7363, or by email at nmmss.resource@nrc.gov and mirabelle.shoemaker@nrc.gov.

NMMSS Site Visit: Global Nuclear Fuels Americas

NMMSS analysts Liz Mohamed, Eric Yarbrough, and John Cettin participated in an on-site visit to Global Nuclear Fuels Americas (GNFA) in Wilmington, North Carolina. The analysts supported federal representatives Mirabelle Shoemaker (NRC) and Shannon Chester (DOE/NNSA). GNFA is one of three fuel fabrication facilities in the United States. It is also one of the five U.S. facilities selected under safeguards by the International Atomic Energy Agency (IAEA) subject to additional nuclear material reporting requirements. GNFA supplies nuclear fuel bundles to reactors and processed uranium oxide to other fuel fabricators in the United States, Europe, and Japan. Ms. Julie Hawkins, GNFA's MC&A lead, provided a tour of the facility and presented an overview of the facility's nuclear material accounting practices. An important aspect of the discussion focused on GNFA's approach to accounting for nuclear material subject to nuclear cooperative agreements; i.e., obligated nuclear material. The discussions were insightful and productive. NMMSS appreciates the opportunity to visit GNFA and gain more facility-specific knowledge of operations, processes, and practices.



DOE/NRC Forms 741, 742, and 742C Updated

The DOE/NRC forms used for NMMSS reporting (741, 742, and 742C) were updated to reflect an updated expiration date of 10/31/2020. The current forms to be used by DOE and NRC for NMMSS reporting can be accessed on the [NRC website](#).

NMMSS-EURATOM Working Group Discussion

On March 20-21, NMMSS and NRC representatives participated in technical discussions with the European Atomic Energy Community (EURATOM) in Luxembourg. The discussions were held with the EURATOM Nuclear Accountancy and International Obligations Group. Discussions centered on strengthening the tracking of transatlantic movements of nuclear material, imports and exports, collaboration strategies on resolution of U.S.-EURATOM transit matching issues raised by the IAEA, and reports prepared by NMMSS in support of other NNSA organizations accounting for EURATOM-obligated nuclear material in the United States.

Transaction/Inventory Due Dates for DOE Sites

Reporting Month	Transaction Due	Inventory Due
March 2018	April 13	April 17
April 2018	May 11	May 15
May 2018	June 11	June 15
June 2018	July 12	July 16
July 2018	August 13	August 15
August 2018	September 12	September 14
September 2018	October 12	October 15

Upcoming 2018-19 Observed Holidays

Memorial Day	Monday, May 28, 2018
Independence Day	Wednesday, July 4, 2018
Labor Day	Monday, September 3, 2018
Columbus Day	Monday, October 8, 2018
Veterans' Day	Monday, November 12, 2018
Thanksgiving Day	Thursday, November 22, 2018
Christmas Day	Tuesday, December 25, 2018
New Year's Day	Tuesday, January 1, 2019

Available Products to Assist the NMMSS Community

The following products are available to NMMSS users upon request.

- **D-2: DOE Directory of Reporting Identification Symbols (RIS).** This directory contains a listing of RISs for the DOE sites that NMMSS accepts as valid as of March 2018.
- **D-3: NRC Directory of Reporting Identification Symbols (RIS).** This directory contains a listing of RISs for the licensed sites that NMMSS accepts as valid as of March 2018.
- **D-15: International Nuclear Facilities.** This directory contains a listing of RISs for nuclear locations located outside of the United States that NMMSS accepts as valid as of March 2018.

SAfeguards Management Software (SAMS): SAMS is a facility-based version of the NMMSS software maintained by DOE and NRC. SAMS enables users to input data and perform edit checks for transactions, material balance reports, and inventories, and includes an updated Authority Reference File. Version 9.0 is a significant update to the software and has undergone several stages of beta testing. It is expected to be demonstrated and distributed at the 2018 Annual Users Meeting in New Orleans, May 14-17, 2018.

Copies of the above items are available free of charge. Please contact any member of the NMMSS staff, or send a request to the NMMSS mailbox (NMMSS@nnsa.doe.gov) if you would like any of the above items sent to you.

NMMSS Website: <http://nnsa.energy.gov/aboutus/ourprograms/nuclearsecurity/nmmsshome>

Please note that the NMMSS website has undergone a major restructuring by DOE/NNSA.

The navigation menu has changed.

If you have any difficulty or issues finding an item, please contact a NMMSS analyst or email nmmss@nnsa.doe.gov for assistance.

NMMSS Points of Contact for Nuclear Material Reporting Technical Support and Assistance

Name	Function	Phone	Email Address
Elaine Beacom	International operations IAEA reporting	(301) 903-1328	Elaine.Beamon@nnsa.doe.gov
John Cettin	DOE/NRC reconciliation Data management	(301) 903-6870	John.Cettin@nnsa.doe.gov
Mitch Hembree	Nuclear Cooperative Agreements Special requests	(301) 903-6299	Mitch.Hembree@nnsa.doe.gov
Mark Huffman	NRC/DOE reconciliation Training	(301) 903-0236	Mark.Huffman@nnsa.doe.gov
Mary McConnell	Domestic operations DOE/NRC reconciliation Training	(301) 903-6240	Mary.McConnell@nnsa.doe.gov
Liz Mohamed	IAEA reporting Project numbers	(301) 903-2224	Elizabeth.Mohamed@nnsa.doe.gov
Eric Yarbrough	Data management NRC licensee reconciliation	(301) 903-0092	Eric.Yarbrough@nnsa.doe.gov
Brandon Zack	IAEA reporting Records management	(301) 903-1921	Brandon.Zack@nnsa.doe.gov
Ali Tabatabai	Issues/suggestions	(301) 515-9654	Ali.Tabatabai@hq.doe.gov

<p>Program Management</p> <p>Department of Energy Peter Dessaules (301) 903-4525 Pete.Dessaules@nnsa.doe.gov</p> <p>Nuclear Regulatory Commission Mirabelle Shoemaker (301) 415-7363 Mirabelle.Shoemaker@nrc.gov nmmss.resource@nrc.gov</p>
<p>International POCs</p> <p>DOE International POC Shannon Chester (301) 903-7449 Shannon.Chester@nnsa.doe.gov</p> <p>NRC International POC Santiago Aguilar (301) 415-7918 Santiago.Aguilar@nrc.gov</p>
<p>Email: NMMSS@nnsa.doe.gov Unclassified Fax: (301) 903-1998 www.nnsa.energy.gov/nmmss</p>

Unclassified/Overnight Surface Mailing Addresses

Unclassified

Mary McConnell

NMMSS Program, NA-532/Germantown Bldg.
U.S. Department of Energy
1000 Independence Avenue, SW
Washington, DC 20585-1290

Overnight – Unclassified

Mary McConnell

Attn: NMMSS Program, NA-532
U.S. Department of Energy
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 Mary McConnell as the recipient and NA-532 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:

Pete Dessaules, (301) 903-4525 or
Pete.Dessaules@nnsa.doe.gov

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Mirabelle.Shoemaker@nrc.gov

Please provide feedback or suggested topics of interest to: Mary McConnell, (301) 903-6240
Mary.McConnell@nnsa.doe.gov