

The Nuclear Materials Management and Safeguards System (NMMSS)



2015 Annual
Users
Training
Meeting

Accuracy

Accountability

Performance



May 11-14, 2015

Las Vegas, NV

Reporting data to the IAEA by a newly selected facility

Gary Hirsch, NMMSS

Brian Horn, NRC

Carol Wormington, URENCO USA



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Friday June, 28, 2013



- IAEA letter to the U.S. Government informing us that, according to Article 2 of the Protocol to the US/IAEA Safeguards Agreement, the IAEA had selected the URENCO USA centrifuge enrichment plant for the provisions of the Reporting Protocol
 - Letter received by U.S. Mission in Vienna Austria
 - Copies e-mailed to NRC and other Government Agencies
 - NRC telephoned URENCO USA, notifies them of selection

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Actions by NRC



- July 1, 2013, NRC letter to URENCO USA
 - Notify of selection and subject to 10 CFR Part 75
 - To submit June 30th, book inventory (Physical Inventory listing and Material Balance Report) to NMMSS by July 22, 2013
 - To prepare and submit “Design information Questionnaire”, using form N-71 and N-75, to NRC by July 29, 2013
 - Confirming that Transitional Facility Attachment (TFA) -that defines procedures to implement Protocol to URENCO USA plant - will be developed and facility will have opportunity to comment on TFA
 - NRC approval required prior to sharing any classified information with IAEA
 - No “Restricted Data” may be shared with IAEA.



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Actions by NRC, cont.



- Notified interagency group for implementing IAEA Agreement:
 - of URENCO USA selection
 - reminded group of need for group to review DIQ and provide DIQ to IAEA by August 12th
- Notifies NMMSS of URENCO USA selection

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Fall of 2013 - 2014



NISA



- IAEA wants facility to report information for each of the URENCO USA Material Balance Areas (MBA)
 - NMMSS establishes three MBA RIS's for use by facility, YK1, YK2, YK3
 - Facility performs internal work to have three internal MBA activities reported to NMMSS
 - Facility transfer inventory from YKO to three new RIS's
 - Facility now reports transactions and inventories for three MBA's to NMMSS

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Fall of 2013 – 2014, cont.



- In cascade uranium is documented to NMMSS through use of domestic material type code “89”
 - MT-89 not capable with IAEA
 - NRC domestic regulations required in cascade inventory to be reported to NRC every 65 days
 - NRC and URENCO USA agreed that plant would report uranium in cascade as natural uranium
 - URENCO USA has stopped reporting uranium in cascade, as MT-89, and now reports the uranium in cascade as natural uranium (MT-81)



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Fall of 2013 – 2014, cont.



- Several security questions arose concerning the classified enrichment technology and associated information
 - Enrichment technology is classified by U.S. Government
 - Questions have been addressed