

NMMSS 2011

Users Annual Training Meeting



San Diego, CA
May 17-19, 2011

Accountability

Accuracy

Compliance

NMMSS Training Tips for NRC Reconciliation

Mitch Hembree - PSI



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Tips for NRC Reconciliation

Upcoming Training

NMMSS 1 June 21-24, 2011

NRC NMMSS September 20-22, 2011

NRC Reconciliation Workshops

August 23-24, 2011

October 4-5, 2011

NRC Reconciliation Forms

741's – Transaction Activity

742 – Material Balance Report

742C – Physical Inventory Listing

NRC Reconciliation Reports

M-742R:	Reported Material Balance
M-742:	NMMSS Material Balance
I-010E:	Reported Physical Inventory
TJ-11B:	Open Transactions
TJ-45:	Transaction Listing
IA-OBL-05:	Obligation Material Balances
A-200:	Project Material Balances

742: Material Balance Form Hints

- From Date must be the day following the To Date of prior period.
- Verify that beginning balances (8. & 9.) match ending balances of prior period (80. & 81).
- Line items 11, 22, **30**, 42, 43, **51** should be grouped by the RIS shipping to/receiving from.
- Line items 21, **34**, **54**, 65, 71-77 correlate with Type of Inventory Change on 741 ('M' action code).
- NRC required to include Obligation balances if applicable (Section B).
- Round quantities to NMMSS reportable unit for given material type.

742C: Physical Inventory Listing Form Hints

- Inventory Date must match the To Date on 742 Form.
- Line 8 details must be grouped by ownership (J or G).
- If line 8 details government owned, Project Number is required.
- For each material type, a minimum of one detail line and one total line (899 comp. code) is required.
- Total line on 742C should match sum of totals (80 & 81 lines) on 742.
- Use generic material type for total line (899).
- Round quantities to NMMSS reportable unit for given material type.

741 Transaction Hints

- All changes to facility inventory must be reflected through submitted 741's.
- If an adjusting 741 is needed (M action code), the activity date must be within the material balance period.
- If material is foreign obligated or government owned, DOE requirements must be followed.
- If making a 741 correction, do not forget the back reference numbers!
- 741's reported late will affect NMMSS 742 reports!

Material Types

Reportable If Inventory Greater Than or Equal to 1

20 Enriched Uranium (E1, E2, E3, E4)

50 Plutonium

70 Uranium – 233

83 Plutonium – 238

89 Uranium in Cascades

Material Types (continued)

Reportable If Inventory Obligated or Government Owned

10 Depleted Uranium

81 Normal Uranium

88 Thorium

Reportable If Inventory Government Owned

44 Americium – 241

46 Curium

48 Californium – 252

82 Neptunium – 237

87 Tritium

45 Americium – 243

47 Berkelium

60 Lithium – 6

86 Deuterium



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Questions?