

NUREG/BR-0006
Revision 7

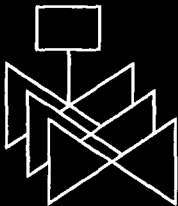
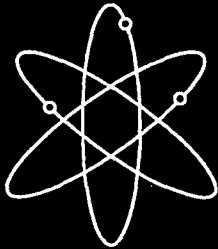
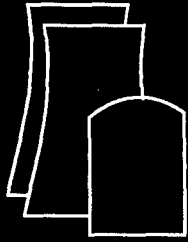
Instructions for Completing Nuclear Material Transaction Reports

(DOE/NRC Forms 741 and 740M)

Effective Date: April 1, 2008

Draft Report for Comment

Issued by the
U.S. Nuclear Regulatory Commission
Office of Nuclear Material Safety and Safeguards
Washington, DC 20555-0001



AVAILABILITY OF REFERENCE MATERIALS IN NRC PUBLICATIONS

NRC Reference Material

As of November 1999, you may electronically access NUREG-series publications and other NRC records at NRC's Public Electronic Reading Room at <http://www.nrc.gov/reading-rm.html>.

Publicly released records include, to name a few, NUREG-series publications; *Federal Register* notices; applicant, licensee, and vendor documents and correspondence; NRC correspondence and internal memoranda; bulletins and information notices; inspection and investigative reports; licensee event reports; and Commission papers and their attachments.

NRC publications in the NUREG series, NRC regulations, and *Title 10, Energy*, in the Code of *Federal Regulations* may also be purchased from one of these two sources.

1. The Superintendent of Documents
U.S. Government Printing Office
Mail Stop SSOP
Washington, DC 20402-0001
Internet: bookstore.gpo.gov
Telephone: 202-512-1800
Fax: 202-512-2250
2. The National Technical Information Service
Springfield, VA 22161-0002
www.ntis.gov
1-800-553-6847 or, locally, 703-605-6000

A single copy of each NRC draft report for comment is available free, to the extent of supply, upon written request as follows:

Address: U.S. Nuclear Regulatory Commission
Office of Administration
Mail, Distribution and Messenger Team
Washington, DC 20555-0001

E-mail: DISTRIBUTION@nrc.gov

Facsimile: 301-415-2289

Some publications in the NUREG series that are posted at NRC's Web site address <http://www.nrc.gov/reading-rm/doc-collections/nuregs> are updated periodically and may differ from the last printed version. Although references to material found on a Web site bear the date the material was accessed, the material available on the date cited may subsequently be removed from the site.

Non-NRC Reference Material

Documents available from public and special technical libraries include all open literature items, such as books, journal articles, and transactions, *Federal Register* notices, Federal and State legislation, and congressional reports. Such documents as theses, dissertations, foreign reports and translations, and non-NRC conference proceedings may be purchased from their sponsoring organization.

Copies of industry codes and standards used in a substantive manner in the NRC regulatory process are maintained at—

The NRC Technical Library
Two White Flint North
11545 Rockville Pike
Rockville, MD 20852-2738

These standards are available in the library for reference use by the public. Codes and standards are usually copyrighted and may be purchased from the originating organization or, if they are American National Standards, from—

American National Standards Institute
11 West 42nd Street
New York, NY 10036-8002
www.ansi.org
212-642-4900

Legally binding regulatory requirements are stated only in laws; NRC regulations; licenses, including technical specifications; or orders, not in NUREG-series publications. The views expressed in contractor-prepared publications in this series are not necessarily those of the NRC.

The NUREG series comprises (1) technical and administrative reports and books prepared by the staff (NUREG-XXXX) or agency contractors (NUREG/CR-XXXX), (2) proceedings of conferences (NUREG/CP-XXXX), (3) reports resulting from international agreements (NUREG/IA-XXXX), (4) brochures (NUREG/BR-XXXX), and (5) compilations of legal decisions and orders of the Commission and Atomic and Safety Licensing Boards and of Directors' decisions under Section 2.206 of NRC's regulations (NUREG-0750).

NUREG/BR-0006
Revision 7

Instructions for Completing Nuclear Material Transaction Reports

(DOE/NRC Forms 741 and 740M)

Effective Date: April 1, 2008

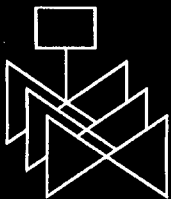
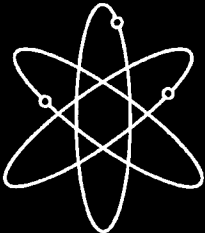
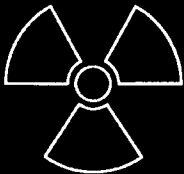
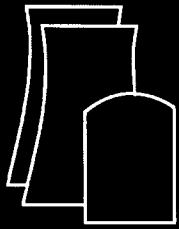
Draft Report for Comment

Manuscript Completed: February 2007
Date Published: March 2007

Prepared by
Chris Graves, NRC

B.G. Horn, NRC Project Manager

Issued by the
U.S. Nuclear Regulatory Commission
Office of Nuclear Material Safety and Safeguards
Washington, DC 20555-0001



COMMENTS ON DRAFT REPORT

Any interested party may submit comments on this report for consideration by the NRC staff. Comments may be accompanied by additional relevant information or supporting data. Please specify the report number NUREG/BR-0006 Rev 7, page number and line number in your comments. Comments should address the contents of the guidance presented in the NUREGs but not the regulations associated with it and sent by April 23, 2007 to the following address:

Chief, Rules Review and Directives Branch
U.S. Nuclear Regulatory Commission
Mail Stop T6-D59
Washington, DC 20555-0001

For any questions about the material in this report, please contact:

Brian Horn
Phone: 301-415-8128
E-mail: BGH1@nrc.gov

Chris Graves
Phone: 301-415-6525
E-mail: DCG@nrc.gov

1 **ABSTRACT**

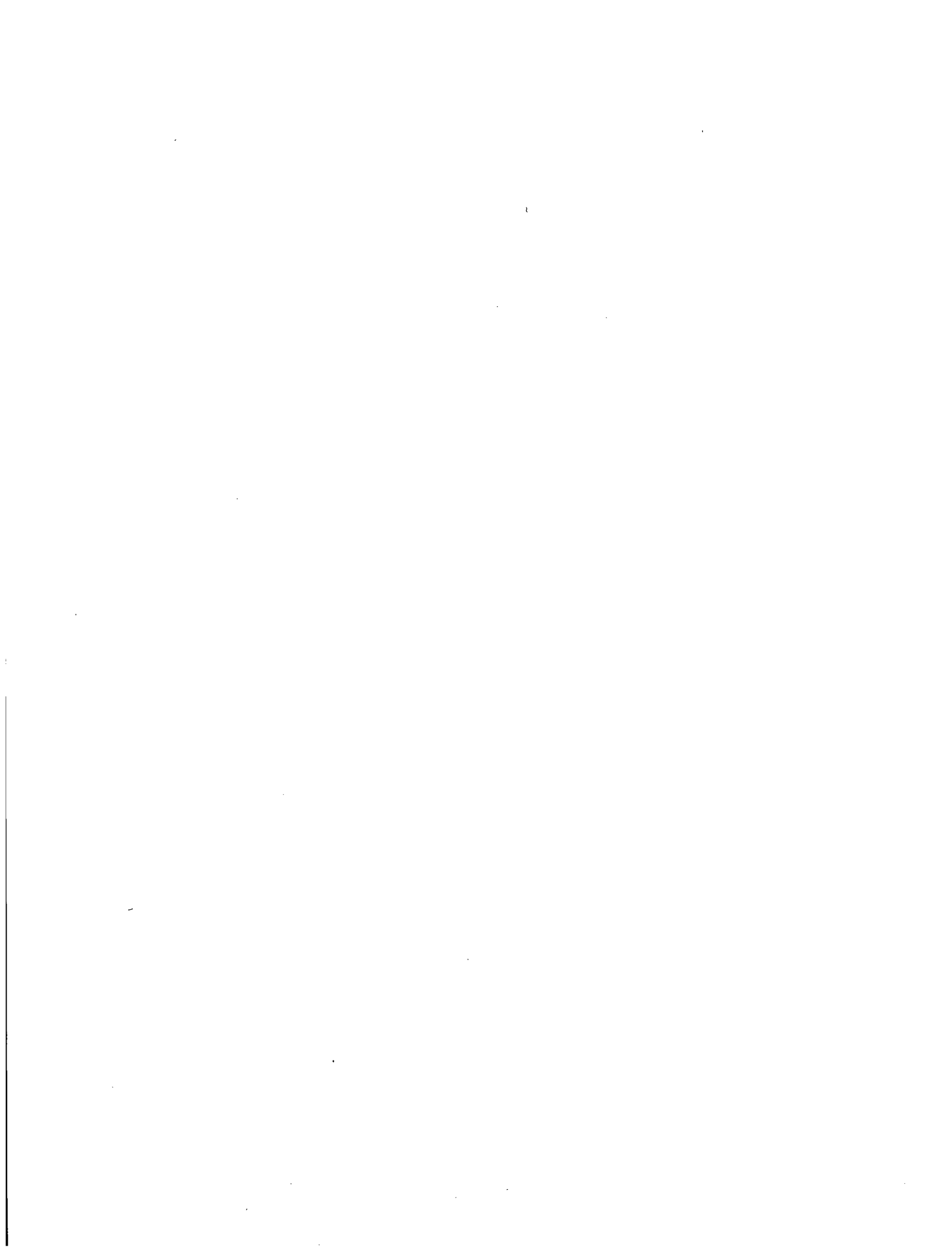
2
3 NRC regulations require licensees who ship, receive, or adjust their physical inventory of source
4 or special nuclear material to document and report such activities. The reports are submitted
5 using the DOE/NRC Form 741. Licensees may need to provide additional information on some
6 imports or exports of source or special nuclear material. The additional information is reported
7 using DOE/NRC Form 740M. This NUREG contains instructions for preparing these forms.
8

9 **Paperwork Reduction Act Statement**

10
11 The information collections contained in this NUREG are covered by DOE/NRC Forms 741 and
12 740M, which were approved by the Office of Management and Budget, approval numbers
13 3150-0003 and 3150-0057.
14

15 **Public Protection Notification**

16
17 If a means used to impose an information collection does not display a currently valid OMB
18 control number, the NRC may not conduct or sponsor, and a person is not required to respond
19 to, the information collection.
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50



CONTENTS

1		
2		
3	Abstract	iii
4		
5	Abbreviations	vii
6		
7	1 Introduction	1
8		
9	1.1 Material Transaction Reports	1
10		
11	1.2 Regulatory Authority	2
12		
13	1.3 Reporting/Distribution Requirements	3
14		
15	1.4 Methods for Preparing and Submitting Data to the NMMSS	3
16		
17	1.5 Documentation and Distribution	4
18		
19	2 General Instructions	5
20		
21	2.1 Instructions for Completing DOE/NRC Form 741,	
22	"Nuclear Material Transaction Report"	5
23		
24	2.1.1 Reporting Shipper's Data	5
25		
26	2.1.2 Reporting Receiver's Data	16
27		
28	2.2 Preparation of DOE/NRC Form 741 in Computer-Readable Format	18
29		
30	2.3 Distribution of DOE/NRC Form 741	18
31		
32	2.3.1 Shipper	18
33		
34	2.3.2 Receiver	19
35		
36	3 Instructions for Onsite Gains and Losses (M Action Code)	19
37		
38	3.1 Instructions for Completing DOE/NRC Form 741	19
39		
40	3.2 Preparation of DOE/NRC Form 741 in Computer-Readable Format	21
41		
42	3.3 Distribution of DOE/NRC Form 741	21
43		
44		
45		
46		
47		
48		
49		
50		

CONTENTS (continued)

1
2
3 4 Instructions for Correcting a DOE/NRC Form 741
4 (C, D, and M Action Codes or Z Process Code) 21
5
6 4.1 Originator 21
7
8 4.2 Receiver 22
9
10 4.3 Use of the Z Process Code 23
11
12 4.4 Distribution of Corrections to a DOE/NRC Form 741 23
13
14 5 Instructions for Completing DOE/NRC Form 740M, "Concise Note" 23
15
16 6 DOE Reporting Requirements for Proprietary Interests of the Government 25
17
18 7 References 26
19

Appendices

20
21
22 A Composition Codes A-1
23
24 B Inventory Change Type Codes for Completing
25 Blocks 26c and 27c of DOE/NRC Form 741 B-1
26
27 C Example Documentation of Shipper and Receiver Data
28 (Blocks 26 and 27) C-1
29
30 D Glossary D-1
31
32 E DOE/NRC Form 740M, "Concise Note" (Blank), and DOE/NRC Form 741,
33 "Nuclear Material Transaction Report" (Blank) E-1
34
35 F Supplemental Instructions for Completing Blocks 17, 18, 19, 20, and 21 on
36 DOE/NRC Form 741 F-1
37
38
39
40
41
42
43
44
45
46
47
48
49

ABBREVIATIONS

1		
2		
3	ADP	automated data processing
4	ANSI	American National Standards Institute
5	AL	accidental loss
6		
7	CFR	Code of Federal Regulations
8	CODE 10	Chapter 10 of the subsidiary arrangement to the U.S./IAEA Safeguards Agreement
9		
10		
11	DOD	Department of Defense
12	DOE	Department of Energy
13	DOS	Department of State
14		
15	EURATOM	European Atomic Energy Commission
16	ekg	effective kilogram
17		
18	FA	Facility Attachment
19		
20	GDP	gaseous diffusion enrichment plant
21	gm or g	gram
22		
23	HEU	highly enriched uranium
24		
25	IAEA	International Atomic Energy Agency
26	ICR	Inventory Change Report
27	ICT	inventory change type
28	ID	inventory difference
29	INFCIRC	IAEA Information Circular
30	INFCIRC-288	U.S./IAEA Safeguards Agreement
31	IPELTS	International Programs Export License Tracking System
32		
33	kg	kilograms
34	KMP	key measurement point
35		
36	LE	limit of error
37	LEU	low-enriched uranium
38		
39	MBA	material balance area
40	MBR	Material Balance Report
41	MC&A	material control and accounting
42	MMDDYYYY	month, day, year
43	MD	measured discards
44	MSR	Material Status Report
45	MT	material type
46		
47		
48		
49		
50		

ABBREVIATIONS (continued)

1		
2		
3	NDA	nondestructive assay
4	NMMSS	Nuclear Materials Management and Safeguards Systems
5	NRC	Nuclear Regulatory Commission
6	NSI	Nuclear Security Information
7		
8	OMP	other measurement point
9		
10	PIL	Physical Inventory List
11	PIT	physical inventory taking
12	Pu	plutonium
13		
14	RD	Restricted Data
15	RIS	reporting identification symbol
16		
17	SAMS	Safeguards Management Software
18	SNM	special nuclear material
19	SRD	shipper-receiver difference
20		
21	TFA	Transitional Facility Attachment
22	TJ	Transaction Journal
23		
24	U	uranium
25	UK	United Kingdom
26	U.S. GOVT	United States Government
27		
28	WT%	weight percent (of isotope)
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		

1 **U.S. NUCLEAR REGULATORY COMMISSION INSTRUCTIONS FOR COMPLETING**
2 **NUCLEAR MATERIAL TRANSACTION REPORTS**

3
4 **DOE/NRC Form 741, "Nuclear Material Transaction Report," and**
5 **DOE/NRC Form 740M, "Concise Note"**
6

7 **1 Introduction**
8

9 The U.S. Nuclear Regulatory Commission (NRC) and the U.S. Department of Energy (DOE)
10 jointly use a Nuclear Materials Management and Safeguards System (NMMSS). This system is
11 the U.S. national database used by DOE and NRC for tracking certain nuclear material.
12

13 Common reporting forms and formats are used to minimize the reporting burden on licensees¹
14 required to provide nuclear material data to one or both agencies in accordance with current
15 regulations or contractual obligations. In this manner, licensees can file one report to meet the
16 reporting requirements of both the NRC and DOE. Compliance with specific reporting
17 requirements is monitored by the agency that requires the specific data. NRC regulations
18 require that the reports be submitted in computer-readable form. A licensee may use any blank
19 blocks on the paper DOE/NRC forms for other business purposes.
20

21 DOE requires all NRC licensees to report to the NMMSS all receipts, transfers, and inventories
22 of U.S. GOVT-owned, loaned, or leased material in their possession. Reports to the NMMSS
23 for all U.S. GOVT-owned, -loaned, or -leased material are required to follow the U.S. GOVT's
24 reporting requirements as specified in DOE Orders Series 470 (DOE Order 470.4 "Safeguards
25 and Security Program" and DOE M 470.4-6 "Nuclear Material Control and Accountability").
26

27 **1.1 Material Transaction Reports**
28

29 The DOE/NRC Form 741, "Nuclear Material Transaction Report," is the means for submitting
30 transaction data to the NMMSS. DOE/NRC Form 741 must be completed in accordance with
31 the instructions in this NUREG and must be submitted in computer-readable format.
32 Instructions for creating the computer-readable submittal are found in NMMSS Report D-24,
33 "Personal Computer Data Input for NRC Licensees."
34

35 DOE/NRC Form 741 is used to report physical transfers of nuclear materials between facilities.
36 The report is also used to convey information on transactions such as inventory corrections that
37 otherwise increase or decrease obligation balances or nuclear material categories within a
38 facility.
39

40 The NMMSS relies heavily on the quality of the data reported by the facilities involved in nuclear
41 activities. The data submitted to the NMMSS are subject to evaluation according to the
42 restrictions placed on nuclear activity by the policies of various governing agencies of the
43 United States. The NMMSS accepts the data after being verified as acceptable within the
44 restrictions of the system.
45

¹The term "licensee" here denotes an NRC or Agreement State licensee or an NRC certificate holder.

1 NRC licensees must provide a DOE/NRC Form 741 to the NMMSS in a computer-readable
2 format following the instructions in this NUREG and NMMSS Report D-24. Both the shipper
3 and the receiver are required to submit DOE/NRC Form 741. The receiver should confirm that
4 the quantity received is consistent with the shipper's report. When statistically significant
5 shipper-receiver differences (SRDs) as defined in 74.31, 74.43, or 74.59 are identified, they
6 must be resolved and their root causes corrected. The regulatory intent is to require material
7 control and accounting (MC&A) systems to promptly detect and resolve all significant SRDs.
8 Comparisons of shippers' and receivers' reports are necessary both to confirm the acceptability
9 of shippers' and receivers' values for establishing the book accounting amounts for received
10 material and to detect unacceptable shippers' or receivers' values. Comparisons typically
11 involve item verification, seal integrity, gross weights, nondestructive assay (NDA)
12 measurements (if appropriate), and destructive measurements (if appropriate).
13

14 **1.2 Regulatory Authority**

15
16 Title 10 of the U.S. Code of Federal Regulations (10 CFR) sets forth reporting requirements for
17 specified activities as follows.
18

19 Reporting transactions for special nuclear material (SNM):
20

21 NRC regulations 10 CFR 72.78, 74.15, 75.34, 76.113, 76.115, 76.117, and 150.16 require, in
22 part, that each licensee who transfers or receives SNM of any origin must complete, in
23 computer-readable format, a DOE/NRC Form 741. This should be done in accordance with
24 instructions in this NUREG document whenever the licensee or certificate holder transfers or
25 receives a quantity of special nuclear material of one (1) gram or more contained U^{235} , U^{233} , or
26 plutonium. Reporting for Pu^{238} is to the nearest 1/10th of a gram of the Pu^{238} isotope.
27

28 Reporting transactions for source material:
29

30 NRC regulation 10 CFR 40.64 and 10 CFR 150.16 states, in part, that except as specified
31 within those sections, each licensee must complete and distribute a DOE/NRC Form 741 when
32 the licensee in any manner transfers, receives, or adjusts the inventory of source material of
33 foreign obligations by one kilogram or more or imports or exports one kilogram or more of
34 uranium or thorium source material, or who utilizes one kilogram or more of any uranium or
35 thorium source material in enrichment services, downblending uranium that has an initial
36 enrichment of the U^{235} isotope of 10 percent or more, or in the fabrication of mixed-oxide fuels.
37 The DOE/NRC Form 741 must be completed in computer-readable format in accordance with
38 instructions in this NUREG and in NMMSS Report D-24. Optionally, If using XML format,
39 reporting of source material to three decimal places may be done, however both the shipper
40 and receiver must report to the same decimal place. If three decimal reporting is being used,
41 then the reporting unit is to the nearest thousandth of a kilogram. For example, 1655 grams
42 may be reported by both the shipper and receiver as 1.655 kilograms. However, for
43 consistency, the licensee must continue to report to the same decimal place for that material
44 type. When reporting source material to three decimal places, both the detail and obligation
45 weight must be reported to the same decimal place.
46
47
48
49

1 Reporting transactions for source material or SNM in accordance with an agreement with the
2 International Atomic Energy Agency (IAEA):

3
4 NRC regulation 10 CFR 75.31 requires licensees to complete and distribute DOE/NRC Form
5 741 for all source material or SNM inventory changes, including shipments, receipts, onsite
6 gains and losses, and any other inventory adjustments. These reports must be in computer-
7 readable format and must be based on the records kept in accordance with 10 CFR 75.22,
8 75.31, 75.32, 75.33, 75.34, and 75.35.

9
10 Compliance with these reporting requirements is achieved by completing a DOE/NRC Form 741
11 and transmitting it in computer-readable format following the guidance in this NUREG and in
12 NMMSS Report D-24.

13
14 In addition, the submission of DOE/NRC Form 741 is normally required as a matter of contract
15 or lease administration for all Government-owned nuclear material transferred (see DOE Orders
16 Series 470, DOE Order 470.4 "Safeguards and Security Program" and DOE M 470.4-6 "Nuclear
17 Material Control and Accountability").

18 19 **1.3 Reporting/Distribution Requirements**

20
21 Reports are required whenever nuclear material in the types and amounts stated in the
22 preceding section moves between locations or operations that have been assigned different
23 reporting identification symbols (RISs) and whenever SNM and source material inventories
24 change. The nuclear material change data (including burnup, production, measured discards,
25 and decay) must be documented and reported to the NMMSS before or at the same time as the
26 physical inventory taking, unless another arrangement is authorized by the NRC.

27
28 The shipper initiates a DOE/NRC Form 741. If the licensee is involved in a transfer of material
29 with a party that is not required to prepare a DOE/NRC Form 741, the licensee must prepare
30 and submit both the shipper's and the receiver's section of the DOE/NRC Form 741. The most
31 common situation is when a domestic facility is involved in export/import activities. The
32 domestic facility must obtain the information necessary to complete the DOE/NRC Form 741 for
33 the foreign facility for all imports of SNM and source material. The licensee must submit
34 information for the foreign recipient of an export if a significant shipper-receiver difference as
35 defined in 74.31, 74.43, or 74.59 is identified for SNM or for source material if there is an
36 indication of loss, theft, or diversion in quantities delineated in 10 CFR 40.64 (c)(1). Submittal
37 for foreign facility does not indicate a responsibility for the other facility or their shipment/receipt
38 of materials.

39
40 Reports of physical shipments between RISs must document the actual movement of material.
41 In addition, any reportable information associated with the material must also be reported. In
42 particular, the obligation of material by a foreign entity must follow the physical movement of
43 material between RISs. The transfer of obligations between RISs with no physical movement of
44 material is reported by using action codes X and Y.

45 46 **1.4 Methods for Preparing and Submitting Data to the NMMSS**

47
48 The Safeguards Management Software (SAMS) is a miniature version of the NMMSS. This
49 software allows the user to import and export data, make edit checks, generate various reports,
50 and create material balance, inventory data, and transaction data. It has the capability to export

1 data into the required NMMSS predefined computer-readable format outlined in the NMMSS
2 Report D-24. The SAMS program may be obtained from the NMMSS operator free of charge.
3

4 There are several automated methods of data submission:
5

6 (1) Telephonic Transfers
7

8 A licensee may submit the DOE/NRC Form 741 electronically by using a modem. To
9 establish an electronic connection with the NMMSS, licensees must contact the NMMSS
10 security officer to request establishment of a connection with the direct link. If the facility
11 is a valid facility for the type of link requested (classified or unclassified), the security
12 officer provides the requester with the appropriate forms to complete.
13

14 Upon receipt of the completed forms, the security officer creates a user ID and password
15 and establishes an account for the facility. The user ID and password are then forwarded
16 to the user facility along with a password acknowledgment form. The licensee signs the
17 acknowledgment form and returns it to the security officer who, then activates the user ID
18 and password.
19

20 (2) Data submittals on computer media
21

22 NMMSS Report D-24 provides instructions on packaging, data format requirements,
23 acceptable media types, and mailing address for submittal of data on computer media.
24

25 (3) New and Modified Methods of Transferring Electronic Data
26

27 New and modified methods of transferring electronic DOE/NRC Form 741 data to the
28 NMMSS may be authorized by the NRC. Confirmation of additional methods for the
29 transfer of this data may be obtained by contacting the NMMSS operator.
30

31 **1.5 Documentation and Distribution**
32

33 The completed DOE/NRC Form 741, in computer-readable format, must be submitted to the
34 NMMSS operator. Confirm the address and mechanism of providing data to the NMMSS by
35 calling the NMMSS operator. Note that specific submission instructions depend upon whether
36 the DOE/NRC Form 741 is classified or unclassified information. Additional distribution
37 information is contained in Sections 2.3, 3.3, and 4.4 of this NUREG.
38

39 Any DOE/NRC Form 741 which is classified must be documented and handled in accordance
40 with all pertinent security requirements. All other submissions that are not classified are
41 considered to be proprietary MC&A information and may be requested to be withheld as
42 defined by 10 CFR 2.390. Each person who is to receive a copy of the report must be verified
43 as a qualified recipient prior to distribution. Please confirm the address prior to sending
44 documents to the NMMSS or other recipients. Also, please formally provide classification
45 guidance to the NMMSS operator after a decision to classify, declassify, or make any change in
46 previously submitted guidance. When submitting "Safeguards Information", a Concise Note
47 Form 740M must be submitted stating that the submission is "Safeguards Information" and
48 should be handled in accordance with 10 CFR 73.21.
49
50

1 **2 GENERAL INSTRUCTIONS**

2
3 **2.1 Instructions for Completing DOE/NRC Form 741**

4
5 If the DOE/NRC Form 741 is reporting an onsite gain or loss, review the instructions for block 6,
6 (ACTION CODE), and the special instructions for the M action code in Section 3 of this NUREG
7 before completing the form.

8
9 The numbered instructions below correspond to the numbered blocks on the DOE/NRC Form
10 741. Each shipper of reportable quantities of SNM or source material (refer to blocks 26n and
11 26q) must send a DOE/NRC Form 741 to the NMMSS operator and a copy to the receiver's
12 business address no later than the close of business the next working day.

13
14 In the case of spent fuel shipments, in accordance with 10 CFR 73.37, the date of shipment is
15 "Safeguards Information" until 10 days after the shipment or the last shipment in a series of
16 shipments is received. Therefore, the DOE/NRC Form 741 should be identified as "Safeguards
17 Information" and a Concise Note Form 740M must be submitted stating that the submission is
18 "Safeguards Information" along with other pertinent information such as if it is a single shipment
19 or as part of a series, including the shipment number and total within the series, and that the
20 information should be handled in accordance with 10 CFR 73.21.

21
22 For disposals, the burial site operator must prepare and transmit DOE/NRC Form 741 to the
23 NMMSS to document receipt and disposal. The electronic formats for the DOE/NRC Form 741
24 are given in NMMSS Report D-24.

25
26 **2.1.1 Reporting Shipper's Data**

27
28 The DOE/NRC Form 741 should be completed in accordance with the following instructions.

- 29
30 1. SHIPPER'S RIS² - Enter the shipper's RIS.
31
32 2. RECEIVER'S RIS² - Enter the receiver's RIS.
33
34 3. TRANSACTION NUMBER - Enter a number for the same shipper-receiver combination.
35 Numbers in the series must be consecutive (i.e., no skipped numbers).
36
37 4. CORRECTION NUMBER - This block is used to identify a transaction which is an
38 adjustment to a previously issued DOE/NRC Form 741. Leave this block blank for an
39 original submission of a DOE/NRC Form 741. Use numbers starting with 1,
40 consecutively, for adjustments. Refer to the NMMSS Report D-24 for field sizes. For
41 corrections requiring only changes to NMMSS data (and not to the other party's data),
42 letters (A, B, etc.) should be used instead of numbers (See Section 4).
43
44
45

² RISs are documented in NMMSS Reports D-2, D-3, and D-15.

- 1 5. PROCESSING CODE - Enter processing code A, C, D, or Z.
- 2
- 3 A Initial entry of data.
- 4
- 5 C Replacement of data. With the concurrence of the other party to the transaction, up
- 6 to an entire data set may be replaced at any time prior to the close of the NMMSS'
- 7 processing period in which the initial submittal was made.
- 8
- 9 D Deletion of data. An entire data set may be deleted at any time prior to the close of
- 10 the NMMSS' processing period in which the initial submittal was made, with the
- 11 concurrence of the other party to the transaction.
- 12
- 13 Z Receiver's acceptance of other party's correction. This processing code can only be
- 14 used with action code D. Receivers reporting per 10 CFR Part 75 may not use the Z
- 15 code.
- 16
- 17 6. ACTION CODE - This block is used to identify the type of transaction being reported on
- 18 the DOE/NRC Form 741 as specified in 6a and 6b below.
- 19
- 20 6a. SHIPPER - Enter one of the following action codes:
- 21
- 22 A The shipper is reporting a transaction that has taken place between the stated
- 23 parties.
- 24
- 25 C The shipper is adjusting the initial DOE/NRC Form 741 for the shipment or a
- 26 previous adjustment to the same initial report, acknowledging an adjustment
- 27 originated by the receiver, or accepting and agreeing with the receiver's adjustment
- 28 to the DOE/NRC Form 741. See Section 4 of this NUREG.
- 29
- 30 M The shipper is reporting a one-party transaction or an adjustment to a one-party
- 31 transaction (i.e., an onsite gain or loss of material due to burnup, production,
- 32 measured discards, etc.). Such inventory changes are shown on
- 33 DOE/NRC Form 742, "Material Balance Report." See Section 3 of this NUREG.
- 34
- 35 R The shipper is identifying a one-party transaction to delete an obligated amount of
- 36 material from the facility's inventory. This code is applicable only to Former Soviet
- 37 Union Weapons (WR) material after the fresh low-enriched uranium (LEU) is
- 38 irradiated in a reactor core. Use of this code implies a removal of "WR" material,
- 39 therefore the value should be entered as a positive number.
- 40
- 41 X The shipper is reporting a transfer of obligation that involves no physical movement
- 42 of material. No obligation transfers of WR material are permitted. No shipper
- 43 (section 26) or receiver (section 27) detail data is required to be entered.
- 44
- 45 6b. RECEIVER - Enter one of the following action codes:
- 46
- 47 B The receiver is reporting that a shipment has been received and that the weights
- 48 reported by the shipper on the DOE/NRC Form 741 were accepted as final receipt
- 49 values.
- 50

- 1 E The receiver is reporting that a shipment was received, that independent
2 measurements were made, and that the values resulting from the independent
3 measurements are being reported.
4
- 5 D The receiver is adjusting the initial DOE/NRC Form 741 that documented the receipt
6 of a shipment or a previous adjustment to the same initial report, or acknowledging
7 an adjustment originated by the shipper, or accepting and agreeing with the
8 shipper's adjustment to the DOE/NRC Form 741. See Section 4 of this NUREG.
9
- 10 M The receiver is reporting a one-party transaction or an adjustment to a one-party
11 transaction (i.e., an onsite gain or loss of material due to burnup, production,
12 measured discards, etc.). Such inventory changes are shown DOE/NRC Form 742,
13 "Material Balance Report." See Section 3 of this NUREG.
14
- 15 N The receiver is reporting physical receipt of a shipment but will delay the quantity
16 determinations for the shipment of material for more than 10 days but no more than
17 60 days for source, and LEU, or no more than 45 days for highly enriched uranium
18 (HEU). At the end of this time the receiver will prepare a DOE/NRC Form 741 with a
19 B or E action code to report the receiver's quantity determinations. Use of this code
20 requires no detail data entry (section 27) by the receiver .
21
- 22 Y The receiver is reporting an acceptance of transfer of obligation that involves no
23 physical movement of material. No shipper (section 26) or receiver (section 27)
24 detail data is required to be entered.
25
- 26 7. DOCUMENTATION - This block is for paper copy submissions only. Enter the number
27 of pages if the submission is CLASSIFIED.
28
- 29 8. SHIPPER - Leave blank.
30
- 31 9. RECEIVER - Leave blank.
32
- 33 10. NUMBER OF DATA LINES - After completing block 26 (SHIPPER'S DATA), or block 27
34 (RECEIVER'S DATA), enter the total number of detail lines in block 26 or 27. The
35 shipper and receiver must report the same number of entries and the material types
36 must agree line for line.
37
- 38 11. NATURE OF TRANSACTION - Enter an "X" to indicate change of material ownership.
39 Change of material ownership is when the responsibility of the material changes from
40 Government-Owned (G owner code) to Not Government-Owned (J owner code) or the
41 vice versa. Otherwise, Leave blank.
42
- 43 12. SHIPPED FOR ACCOUNT OF - Leave blank.
44
- 45 13. SHIPPED TO ACCOUNT OF - Leave blank.
46
- 47 14. TRANSFER AUTHORITY - Leave blank.
48
- 49 15. EXPORT OR IMPORT TRANSFERS - For all export or import transfers, enter the NRC
50 export or import license number under which SNM or source material is being

1 transferred. Where transfers are authorized by a NRC general license, enter "GEN-
2 LIC." In some cases the transfer may be exempt from licensing, such as exports of
3 IAEA safeguards samples, then enter "LIC-EXEMPT." If several batches authorized by
4 separate licenses are combined into one shipment, a separate DOE/NRC Form 741
5 must be completed for the portion associated with each import/export license.
6

- 7 **16. MATERIAL TYPE AND DESCRIPTION** - Leave blank.
8
9 **17. LINE NUMBER** - Enter a sequential line number beginning with the number 1. Refer to
10 the NMMSS Report D-24 for field sizes.
11
12 **18. COUNTRY OF OBLIGATION** - Enter the two-character country or entity designation
13 from Table 1 in Appendix F for the line numbers entered in block 17. See Appendix F of
14 this NUREG for further instructions.
15
16 **19. MATERIAL TYPE** - Enter the material type to which the obligation is attached. Refer to
17 Table 2 in Appendix F. The only material types to be reported are 10, 20, 50, 70, 81,
18 and 88.
19
20 **20. OBLIGATED ELEMENT WEIGHT** - Enter the weight of the obligated amount of the
21 element. Refer to NMMSS Report D-24 for field sizes. See Appendix F for further
22 instructions. Positive or negative values should be entered to appropriately account for
23 material addition or removal, respectively. Reports with an action code of 'A', 'B', 'E',
24 'R', 'X', or 'Y' must be reported with a positive weight. All others can be reported with a
25 positive or negative weight. The sum of obligated material for a material type cannot
26 exceed the sum of the weight value listed in the detail lines.
27
28 **21. OBLIGATED ISOTOPE WEIGHT - For Enriched Uranium Only** - Enter the weight of the
29 obligated amount of the isotope. Refer to the NMMSS Report D-24 for field sizes. For
30 in-place activity, positive or negative values should be entered to appropriately account
31 for material addition or removal, respectively. Reports with an action code of 'A', 'B', 'E',
32 'R', 'X', or 'Y' must be reported with a positive weight. All others can be reported with a
33 positive or negative weight. The sum of obligated material for a material type cannot
34 exceed the sum of the weight value listed in the detail lines.
35
36 **22. ACTION DATE** - * Follow the instructions below for blocks 22a through 22e.
37
38 **22a. SHIPMENT** (entry required by shipper) - Enter the date the nuclear material is shipped.
39
40 **22b. SHIPPER'S CORRECTION** (entry required by shipper) - If the document is an
41 acknowledgment of or a correction to a previously issued transaction report, enter the
42 date the correction is recorded or the acknowledgment made, as appropriate. However,
43 dates on acknowledgments must not be dated before the action date listed on the
44 receiver's correction. Additionally, be aware if a date prior to the current unreconciled
45 period is used, the affect of the correction will be reflected in the current period, not the
46 prior period(s) covered by post dated documents.
47
48 **22c. RECEIPT** (entry required by receiver) - Enter the date the nuclear material is received.
49

- 1 22d. RECEIVER'S MEASUREMENT (entry required by receiver) - This entry is required only
2 if receiver's action code is E. Enter the date the nuclear material is measured by the
3 receiver.
4
- 5 22e. RECEIVER'S CORRECTION (entry required by receiver) - If the document is an
6 acknowledgment or a correction to a previously issued transaction report, enter the date
7 the correction is recorded or the acknowledgment made, as appropriate. However,
8 dates on acknowledgments must not be dated before the action date listed on the
9 receiver's correction. Additionally, be aware if a date prior to the current unreconciled
10 period is used, the affect of the correction will be reflected in the current period, not the
11 prior period(s) covered by post dated documents.
12

13 Note: In the case of all imports (and for some exports, see section 1.3), licensees must
14 complete a separate DOE/NRC Form 741 to document the foreign party action,
15 including action dates in blocks 22a and 22c, as applicable.
16

- 17 23a. MISCELLANEOUS - Leave blank.
18
- 19 23b. CONCISE NOTE ATTACHED - Enter an 'X' if a Concise Note is attached. Otherwise
20 leave blank.
21
- 22 23c. UK REPORTABLE - Facilities reporting material transfers involving facilities in the
23 United Kingdom (UK) must indicate in this block whether the shipment is reportable or
24 non-reportable to the IAEA. Check YES for reportable or NO for non-reportable.
25

26 Note: Typically all licensee's shipments to/from the UK are reportable.
27

- 28 24. TOTAL GROSS WEIGHT - Enter the total gross weight of the shipment rounded to the
29 nearest kilogram. An approximate or estimated gross weight rounded to the nearest
30 kilogram is acceptable. Make no entry for M action code transactions, receipts,
31 obligation transfers, and correction documents.
32
- 33 25. TOTAL VOLUME (Waste Transfers Only) - For transfers of nuclear material to nuclear
34 waste sites (i.e., receiver RIS begins with the letter V), enter the volume of the material
35 to be buried, stated in cubic feet rounded to the nearest cubic foot. An entry in block 25
36 is not required for transfers to nuclear laundry services.
37
- 38 26. SHIPPER'S DATA - Shipper's data is entered in block 26. Receiver's data is entered in
39 block 27. Receivers should review the additional instructions for block 27 before
40 completing the form.
41

42 Shipper and receiver measurement data are entered on DOE/NRC Form 741 for each
43 batch of material. For licensees reporting pursuant to 10 CFR Part 75 requirements or if
44 the transfer is an import or an export, a batch is a portion of nuclear material that is
45 handled as a unit for accounting purposes at a key measurement point (KMP) and
46 whose composition and quantity are defined by a single set of specifications or
47 measurements. The batch may be in bulk form or contained in a number of separate
48 items. If the shipment is an export or is being reported pursuant to 10 CFR Part 75, fuel
49 assemblies or loose rods or fuel pins must be listed separately with the identifying label
50 serving as a unique batch name. Fuel assemblies can be reported as "average"

1 enrichment as long as the appropriate accounts (material types 10, 20, 81, etc.) are
2 properly adjusted. Material being transferred may be listed on one line of DOE/NRC
3 Form 741 if the material is all of the same material type, composition, ownership, and
4 weight percent isotope (except as noted in the next paragraph). Material differing in any
5 of these data elements must be listed on separate lines.
6

7 Two or more lines may be necessary to describe a single batch (e.g., spent fuel
8 assemblies, mixed oxide fuel). If a batch consists of several types of nuclear material,
9 several consecutive lines should be used to describe the batch. The batch name should
10 be repeated on all lines used to describe a single batch. In block 26e the number of
11 items is also repeated on all lines with the same batch name.
12

13 The above general rules for grouping or batching material for reporting purposes are
14 also applicable to licensees reporting imports or exports pursuant to 10 CFR Part 40,
15 74, or 75. Batch names are optional for other transactions reported pursuant to 10 CFR
16 Part 40 or 74.
17

18 26a. BACK REFERENCE NUMBER - Enter the appropriate back reference number
19 adjustments to previously completed DOE/NRC Form 741 documents.
20

21 Licensees must enter the back reference numbers for action codes C and D and for
22 action code M when reporting adjustments. Both the back reference change digit and
23 the back reference line number must be reported.
24

25 The back reference change digit represents the change digit of the document being
26 corrected for a nullifying entry and the change digit of the document now being
27 completed for a correcting entry. For example, if the DOE/NRC Form 741 being
28 corrected is the original, or if the line being entered represents an addition only, enter 0
29 (zero).
30

31 The back reference line number represents the line number of the line being corrected
32 for a nullifying entry and the line number of the corresponding nullifying line for a
33 correction entry. If the line being entered represents an addition only or represents a
34 net change, enter zeros.
35

36 26b. LINE NUMBER - In providing detailed measurement data, enter a line number beginning
37 with 1 for the first line of detailed shipper's data and increase the line number by one for
38 each additional line of detailed shipper's data entered on the form. When two or more
39 lines of measurement data refer to a single batch, repeat the unique batch name for
40 each line of the batch data. For example, repeat the batch name when different
41 material types of multi-enrichment fuel rods are entered on separate lines or when UF₆
42 product material and UF₆ heel material in a cylinder are reported on separate lines.
43

44 26c. TYPE OF INVENTORY CHANGE - All changes to inventory that meet the reporting
45 criteria must be reported on DOE/NRC Form 741.
46

47 Appendix B explains the ICT codes and indicates whether they are to be entered in
48 block 26c. Enrichment facilities may use the 2 digit numerical value for indicating a
49 change type or as directed by the NRC. When shipping to a "V" RIS, ICT code 74 must
50 be used.

1 A measured discard can be documented as an onsite transfer, discard to a pond/lagoon,
2 or transferred to a holding area. Discharges to lagoon and movement to holding areas
3 are documented with a suffix attached to the RIS:
4

5 L when material is discarded into a pond or lagoon

6 H when material is transferred to a holding area (refer to holding account in the
7 glossary) at the facility pending possible shipment offsite for disposal.
8

9 NOTE: Use of a holding or lagoon account requires establishment of account and prior
10 approval by the NRC.
11

12 The shipper should enter its RIS in the SHIPPER'S RIS block (block 1) and the same
13 RIS in the RECEIVER'S RIS block (block 2), but append an L or H to the receiver's RIS
14 as appropriate. For example, if a facility with RIS XYZ discards material to a lagoon, the
15 transaction on the DOE/NRC Form 741 would be from XYZ to XYZL.
16

- 17 26d. IDENTIFICATION (ITEM/BATCH NAME) - Enter a name or number, or a combination of
18 both, that identifies the batch of material being shipped. If the licensee is reporting
19 pursuant to 10 CFR Part 75, or if the transfer is an import or export, the shipper or
20 receiver enters a name which identifies a unique portion of nuclear material handled as
21 a unit for accounting purposes. For fuel pins and rods, the batch name should be the
22 identification numbers of the fuel pin or rod.
23

24 In the case of an import, the receiver must use the same batch name as the shipper
25 provided the shipper's batch name conforms to the above specifications. If it does not,
26 submit a Concise Note per the instructions (Section 5) explaining the difference. When
27 two or more lines of measurement data refer to a single batch, repeat the unique batch
28 name for each line of the batch data. For example, repeat the batch name when
29 different material types of multi-enrichment fuel rods are entered on separate lines or
30 when UF₆ product material and UF₆ heel material in a cylinder are reported on separate
31 lines.
32

- 33 26e. NUMBER OF ITEMS - Enter the number of similar items of which the line entry consists
34 (e.g., cylinders, packs, drums, bird cages, bottles, tank vessels). When reporting fuel
35 pins, rods, or plates, report the number of separate fuel pins, rods, or plates involved.
36 When reporting fuel assemblies, report the number of complete assemblies represented
37 on the line entry. In the case of transfer of bulk material, enter a 1. Leave blank if an M
38 action code is used.
39

- 40 26f. PROJECT NUMBER - Leave blank.
41
42
43
44
45
46
47
48
49
50

1 26g. MATERIAL TYPE - Enter the appropriate SNM or source material type code from
2 the list below.
3

<u>U.S. Code (Domestic Transfers)</u>	<u>IAEA Code (Imports/Exports)</u>	<u>Description</u>
10	D	Depleted uranium
20	EG	Enriched uranium
50	P	Plutonium
70	EK	U ²³³
81	N	Normal uranium
83 ³	Pu	Pu ²³⁸
88	T	Thorium
89	To be obtained from IAEA	Uranium in cascade

15
16 26h. COMPOSITION/FACILITY CODE - Enter the appropriate code describing the physical
17 form (unencapsulated, encapsulated, etc.) and the chemical form of the material. See
18 Appendix A.
19

20 If your installation has been notified by letter from the NRC, as provided in 10 CFR
21 75.11, that it has been identified under the U.S./IAEA Safeguards Agreement, enter the
22 appropriate code from the list developed during the formulation and negotiation of your
23 Facility Attachment (FA) or Transitional Facility Attachment (TFA) provided to you
24 pursuant to 10 CFR 75.8.
25

26 NOTE: In accordance with 10 CFR 75.11, any change in facility operations or
27 processes that would result in any changes in, additions to, or deletions from the list
28 should be communicated to the NRC in writing, to the extent provided in your license
29 conditions, at least 70 days in advance of the changes so that new composition codes
30 can be assigned.
31

32 26i. OWNER CODE - This code identifies the ownership of the material at the time it was in
33 the shipper's possession. Enter the appropriate code from the list below.
34

35 G U.S. Government-owned
36 J Not U.S. Government-owned
37

38 Note: Refer to the glossary, Appendix D, for further description of U.S. Government-
39 owned.

³Report as Pu²³⁸ if the contained Pu²³⁸ is greater than 10% of total Pu by weight; otherwise, report as plutonium.

- 1 26j. KEY MEASUREMENT POINT (KMP) - This data element only applies to licensees
2 reporting pursuant to the requirements of 10 CFR Part 75. All other licensees must
3 leave this block blank. This block is for reporting on a facility where nuclear material is
4 in a form that may be measured to determine material flow or inventory. Codes for
5 KMPs are identified in the FAs or TFAs developed for those facilities described in the
6 instructions for block 26h.
7
- 8 26k. MEASUREMENT IDENTIFICATION (see 26j) - This block applies only to licensees
9 reporting pursuant to the requirements of 10 CFR Part 75 and to those facilities
10 identified in the instructions for 26h. All other licensees must leave this block blank.
11 This block indicates where and when the material was measured. It consists of three
12 parts.
13
- 14 26k1. BASIS - Enter the pertinent code from the following:
15
16 N if the batch data are based on measurements made in an IAEA material balance
17 area (MBA) other than the reporting MBA
18
19 L if the batch data are based on measurements made in another IAEA MBA and
20 have been previously reported by the reporting MBA in a DOE/NRC Form 741,
21 "Nuclear Materials Transaction Report," or a DOE/NRC Form 742C, "Physical
22 Inventory Listing"
23
24 M if the batch data are based on measurements made in the reporting IAEA MBA
25 and the data were not previously reported
26
27 T if the batch data are based on measurements in the reporting IAEA MBA and
28 have been previously reported for that MBA on a DOE/NRC Form 741 or a
29 DOE/NRC Form 742C
30
- 31 26k2. OTHER MEASUREMENT POINT (OMP) - For batch data designated code M in block
32 26k1, enter the code of the KMP where measurements were made if it is different from
33 the KMP indicated in 26j above. If the same, leave blank.
34
- 35 26k3. MEASUREMENT METHOD - If two or more measurement methods employed at the
36 same KMP have a different measurement uncertainty, enter the code for the
37 measurement method used, as identified in your FA.
38
- 39 26l. GROSS WEIGHT - Enter the gross weight of the line entry in kilograms of material
40 shipped plus tare weight (packaging and shipping container).
41
- 42 26m. NET WEIGHT - Enter the weight of the material shipped, excluding tare weight, in
43 grams for SNM and kilograms for source material.
44
45
46
47
48
49

1 26n. ELEMENT WEIGHT - Enter the weight of the contained SNM or source material
2 rounded to the quantities reported below.
3

<u>Material</u>	<u>Reporting Units</u>
Plutonium or uranium enriched in U ²³⁵ or U ²³³	nearest whole gram
Pu ²³⁸	nearest 1/10 gram
Source material	nearest kilogram ⁴

4
5
6
7
8
9
10 If the quantity to be entered is equal to or greater than 0.5 of the reporting unit, the
11 quantity should be rounded up to the next whole reporting unit. If the quantity to be
12 entered is less than 0.5 of the reporting unit, the quantity should be rounded down to the
13 next whole reporting unit.
14

15 26o. ELEMENT LIMIT OF ERROR - Limits of error need only be reported by licensees who:
16 are authorized to possess at any time and location SNM in a quantity exceeding one
17 effective kilogram and authorized to use SNM for activities other than those involved in
18 the operation of a nuclear reactor licensed pursuant to 10 CFR Part 50; are involved in a
19 waste disposal operation; or are authorized to possess sealed sources.
20

21 Complete when the total shipment contains more than 50 grams of U²³⁵, U²³³, or
22 plutonium, or any combination of these. Enter the limit of error for each element entry
23 using the same weight units as in block 26n, except where the line entry represents: (1)
24 a sealed plutonium-beryllium source; (2) samples each of which has been determined
25 by other means to contain less than 10 grams U²³⁵, U²³³, or plutonium; and (3) reactor-
26 irradiated fuels involved in research, development, and evaluation programs in facilities
27 other than irradiated-fuel reprocessing plants.
28

29 Limits of error are to be at the 95% confidence level, propagated by the uncertainties of
30 the weight measurement, the chemical analysis, and the sampling method. Limits of
31 error are not applicable to source material. Licensees making onsite transfers between
32 two different RISs or within the same RIS are exempt from supplying limits of error data
33 for the transfers. Transfers between a license-exempt operation and a licensed
34 operation at the same location are not considered onsite transfers, and limits of error
35 are required.
36

37 26p. WEIGHT % ISOTOPE - Enter the weight percent of the isotope U²³⁵ if the uranium is
38 enriched or depleted in U²³⁵. If plutonium, enter the weight percent of the isotope Pu²⁴⁰.
39 If Pu²³⁸, enter the weight percent of the isotope Pu²³⁸. Report weight percent to at least
40 two, but not more than four, decimal places, depending upon the accuracy of the
41 measurement method employed (for example, XX.XXXX%). For U²³³, enter the parts

⁴ Optionally, if using XML format, reporting of source material to three (3) decimal places may be done. When (3) decimal reporting is used to report source material, then the reporting unit is to the nearest thousandth of a kilogram (i.e. 1655 grams will be reported as 1.655 kilograms).

1 per million of U^{232} . This block does not apply to natural uranium and thorium. Use
2 separate lines to report material of different enrichments. The Pu and U^{235} content of
3 irradiated fuel must be determined and reported upon removal of the spent fuel from the
4 reactor core. Reactor operators may report the total nonfissile isotope instead of Pu^{240}
5 in this block for spent fuel if the computer codes the operator uses have this limitation.
6

7 26q. ISOTOPE WEIGHT - Enter the isotope weight. If enriched uranium or U^{233} , enter weight
8 to the nearest gram of U^{235} or U^{233} as appropriate. If plutonium, enter the sum of Pu^{239}
9 and Pu^{241} to the nearest gram. If Pu^{238} , enter the weight of the isotope Pu^{238} to the
10 nearest 1/10 of a gram. For depleted uranium, enter the isotope weight to the nearest
11 kilogram. Make no entry for other source material.
12

13 If the quantity to be entered is equal to or greater than 0.5 of the reporting unit, the
14 quantity should be rounded up to the next whole reporting unit. If the quantity to be
15 entered is less than 0.5 of the reporting unit, the quantity should be rounded down to the
16 next whole reporting unit.
17

18 26r. ISOTOPE LIMIT OF ERROR - Limits of error need only be reported by licensees who:
19 are authorized to possess at any one time and location SNM in a quantity exceeding 1
20 effective kilogram and authorized to use such SNM for activities other than those
21 involved in the operation of a nuclear reactor licensed pursuant to 10 CFR Part 50; who
22 are involved in a waste disposal operation; or who are authorized to possess sealed
23 sources.
24

25 Complete when the total shipment contains more than 50 grams of U^{235} , U^{233} , or
26 plutonium, or any combination of these. Enter the limit of error for each element entry
27 using the same weight units as in block 26n, except where the line entry represents: (1)
28 a sealed plutonium-beryllium source; (2) samples each of which has been determined
29 by other means to contain less than 10 grams U^{235} , U^{233} , or plutonium; and (3) reactor-
30 irradiated fuels involved in research, development, and evaluation programs in facilities
31 other than irradiated-fuel reprocessing plants.
32

33 Limits of error are to be at the 95% confidence level, propagated by the uncertainties of
34 the weight measurement, the chemical analysis, and the sampling method. Limits of
35 error are not applicable to source material. Licensees making onsite transfers between
36 two different RISs or within the same RIS are exempt from supplying limits of error data
37 for the transfers. Transfers between a license-exempt operation and a licensed
38 operation at the same location are not considered onsite transfers, and limits of error
39 are required.
40

41 26s. SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED - If submitted on paper,
42 the report must be signed by an authorized representative of the licensee. Otherwise,
43 enter the date submitted. Each licensee must establish internal procedures to ensure
44 that the information provided in the report is accurate and that the report has been
45 prepared and issued only by the authorized licensee personnel.
46

47 Proprietary information must be included when necessary to provide an adequate
48 response. An application to withhold such information from public disclosure may be
49 made and will be dispositioned in accordance with the provisions of 10 CFR 2.390.
50 If any of this information is of particular sensitivity, a request may be made that such

1 information not be transmitted to the IAEA. Such a request must refer to, and must
2 conform with 10 CFR 75.12.
3

4 **2.1.2 Reporting Receiver's Data** 5

6 Each receiver of reportable quantities of special nuclear material or source material must
7 acknowledge receipt of shipments in accordance with the following instructions:
8

- 9 • If the receiver plans to accept the shipper's measurement data without making independent
10 measurements (B action code), the receiver must, within 10 days of receipt of the material,
11 submit a DOE/NRC Form 741. There are two options for filling out the form:
12

13 (1) complete blocks 1 through 25 and put a zero (0) in block 10, or

14 (2) complete blocks 1 through 25, enter the shipper's values in block 26, and repeat the
15 shipper's values in block 27.
16

17 Facilities reporting pursuant to 10 CFR Part 75 must use the second option. Dispatch the
18 form in accordance with the instructions in Section 2.3.2.
19

- 20 • If the receiver makes independent measurements (E action code), the receiver must, within
21 10 days of receipt of the material:
22

23 (1) complete blocks 1 through 25, enter the shipper's values in block 26, and complete
24 blocks 27a through 27s of the DOE/NRC Form 741.
25

26 (2) dispatch the form in accordance with the instructions in Section 2.3.2.
27

- 28 • If the receiver intends to make independent measurements within 60 days for source
29 material or LEU, or 45 days for HEU (N action code), unless an exemption is authorized by
30 NRC, the receiver shall, within 10 days of receipt of the material:
31

32 (1) complete blocks 1 through 23.
33

34 (2) dispatch the form in accordance with the instructions in Section 2.3.2; and
35

36 (3) after independent measurements are made, follow the instructions for reporting a B or E
37 action code. If measurements are delayed, they must be completed and reported on
38 DOE/NRC Form 741 within 60 days for source material and LEU and within 45 days for
39 HEU after the receipt of each shipment, except in the case of receipts of scrap and
40 irradiated material.
41

42 In the case of a scrap processor receiving several shipments of scrap which are
43 accumulated and processed together, the recovered quantity of material must be prorated
44 to the specific transmittal documents and line entries to maintain the one-to-one
45 correspondence between shipper's and receiver's data.
46
47
48
49
50

1 27. RECEIVER'S DATA - Fill in the receiver's data blocks as follows.

2
3 Shipper and receiver measurement data are entered on DOE/NRC Form 741 for each
4 batch of material. For licensees reporting pursuant to 10 CFR Part 75 requirements or if
5 the transfer is an import or an export, a batch is a portion of nuclear material that is
6 handled as a unit for accounting purposes at a key measurement point (KMP) and
7 whose composition and quantity are defined by a single set of specifications or
8 measurements. The batch may be in bulk form or contained in a number of separate
9 items. If the shipment is an export or is being reported pursuant to 10 CFR Part 75, fuel
10 assemblies or loose rods or fuel pins must be listed separately with the identifying label
11 serving as a unique batch name. Fuel assemblies can be reported as "average"
12 enrichment as long as the appropriate accounts (material types 10, 20, 81, etc.) are
13 properly adjusted. Material being transferred may be listed on one line of DOE/NRC
14 Form 741 if the material is all of the same material type, composition, ownership, and
15 weight percent isotope (except as noted in the next paragraph). Material differing in any
16 of these data elements must be listed on separate lines.

17
18 Two or more lines may be necessary to describe a single batch (e.g., spent fuel
19 assemblies, mixed oxide fuel). If a batch consists of several types of nuclear material,
20 several consecutive lines should be used to describe the batch. The batch name should
21 be repeated on all lines used to describe a single batch. In block 27e the number of
22 items is also repeated on all lines with the same batch name.

23
24 The above general rules for grouping or batching material for reporting purposes are
25 also applicable to licensees reporting imports or exports pursuant to 10 CFR Part 40 or
26 74. Batch names are optional for other transactions reported pursuant to 10 CFR Part
27 40 or 74.

28
29 27a. BACK REFERENCE NUMBER - Must match the shipper's value. See 26a.

30
31 27b. LINE NUMBER - Must match the shipper's value. See 26b.

32
33 27c. TYPE OF INVENTORY CHANGE - Must match the shipper's value. See 26c.

34
35 27d. IDENTIFICATION (ITEM/BATCH NAME) - See 26d.

36
37 27e. NO. OF ITEMS - See 26e.

38
39 27f. PROJECT NUMBER - See 26f.

40
41 27g. MATERIAL TYPE - Must match the shipper's value. See 26g.

42
43 27h. COMPOSITION/FACILITY CODE - See 26h.

44
45 27i. OWNER CODE - This code describes the material ownership at the time it comes into
46 the receiver's possession. See 26i.

47
48 27j. KEY MEASUREMENT POINT - See 26j.

49
50 27k. MEASUREMENT IDENTIFICATION - See 26k.

- 1 27l. GROSS WEIGHT - See 26l.
2
3 27m. NET WEIGHT - See 26m.
4
5 27n. ELEMENT WEIGHT - See 26n.
6
7 27o. ELEMENT LIMIT OF ERROR - See 26o.
8
9 27p. WEIGHT % ISOTOPE - See 26p.
10
11 27q. ISOTOPE WEIGHT - See 26q.
12
13 27r. ISOTOPE LIMIT OF ERROR - See 26r.
14
15 27s. SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED - See 26s.
16

17 **2.2 Preparation of DOE/NRC Form 741 in Computer-Readable Format**

18
19 NMMSS Report D-24 provides instructions for preparing DOE/NRC Form 741 in computer-
20 readable format as required for submittals.
21

22 **2.3 Distribution of DOE/NRC Form 741**

23 **2.3.1 Shipper**

24
25
26 Each shipper of reportable quantities of SNM or source material must dispatch a DOE/NRC
27 Form 741, as described below, no later than the close of business the next working day after
28 the shipment. In the case of spent fuel shipments, in accordance with 10 CFR 73.37, the date
29 of shipment is "Safeguards Information" until 10 days after the shipment or the last shipment in
30 a series of shipments is received. Therefore, the DOE/NRC Form 741 should be identified
31 "Safeguards Information" and handled according to 10 CFR 73.21.
32

33 When submitting "Safeguards Information", a Concise Note Form 740M must be submitted
34 stating that the submission is "Safeguards Information" and should be handled in accordance
35 with 10 CFR 73.21.
36

37 Burials are reported when shipped. A DOE/NRC Form 741 must be prepared and transmitted
38 to NMMSS by the burial site operator to document receipt and disposal.
39

40 Distribute the completed DOE/NRC Form 741 as follows:

- 41
- 42 • Provide a copy, in a mutually agreeable format, to the other party in the transaction.
 - 43
 - 44 • Submit one copy in computer-readable format to NMMSS. See Section 1.5 for
45 documentation and distribution of classified and unclassified reports.
 - 46
 - 47 • Retain one copy for your file.
 - 48
 - 49
 - 50

1 **2.3.2 Receiver**

2
3 Distribute the completed DOE/NRC Form 741 as follows:

- 4
5 • Submit one copy in computer-readable format to NMMSS. See Section 1.5 for
6 documentation and distribution of classified and unclassified reports.
7
8 • Return one copy, in a mutually agreeable format, to the shipper.
9
10 • Retain one copy for your file.

11
12 **3 INSTRUCTIONS FOR ONSITE GAINS AND LOSSES (M ACTION CODE)**

13
14 **3.1 Instructions for Completing DOE/NRC Form 741**

15
16 When action code M is used, the DOE/NRC Form 741 should be completed in accordance with
17 the following instructions.

- 18
19 1. SHIPPER'S RIS - Enter your RIS.
20
21 2. RECEIVER'S RIS - Same as in block 1.
22
23 3. TRANSACTION NUMBER - See the instructions for block 3 in Section 2.1.1 or contact
24 the NMMSS operator for other options.
25
26 4. CORRECTION NUMBER - See the instructions for block 4 in Section 2.1.1.
27
28 5. PROCESSING CODE - See the instructions for block 5 in Section 2.1.1.
29
30 6. ACTION CODE - Enter M in 6a or 6b or both.
31
32 7. DOCUMENTATION - Enter the number of pages if the submission is CLASSIFIED.
33 This block is for paper copy submissions only.
34
35 8. NAME AND ADDRESS OF SHIPPER - Leave blank.
36
37 9. NAME AND ADDRESS OF RECEIVER - Leave blank.
38
39 10. NUMBER OF DATA LINES - Enter the total number of detail line entries on the form.
40
41 11. NATURE OF TRANSACTION - Leave blank.
42
43 12. SHIPPED FOR ACCOUNT OF - Leave blank.
44
45 13. SHIPPED TO ACCOUNT OF - Leave blank.
46
47 14. TRANSFER AUTHORITY - Leave blank.
48
49 15. EXPORT OR IMPORT TRANSFERS - Leave blank.
50

- 1 16. MATERIAL TYPE AND DESCRIPTION - Leave blank.
2
3 17. LINE NUMBER - See the instructions in Section 2.1.1 for block 17.
4
5 18. COUNTRY OF OBLIGATION - See the instructions in Section 2.1.1 for block 18.
6
7 19. MATERIAL TYPE - See the instructions in Section 2.1.1 for block 19.
8
9 20. OBLIGATED ELEMENT WEIGHT - See the instructions in Section 2.1.1 for block 20.
10
11 21. OBLIGATED ISOTOPE WEIGHT - For Enriched Uranium Only - See the instructions in
12 Section 2.1.1 for block 21.
13
14 22. ACTION DATE - Enter the date of the activity in at least one of blocks 22a through 22e.
15 If more than one block is completed, all dates must be the same.
16
17 23. MISCELLANEOUS - Leave blank.
18
19 24. TOTAL GROSS WEIGHT - Leave blank.
20
21 25. TOTAL VOLUME - Leave blank.
22
23 26. SHIPPER'S DATA
24
25 26a. BACK REFERENCE NUMBER - See the instructions in Section 2.1.1 for this block.
26
27 26b. LINE NO. - See the instructions in Section 2.1.1 for this block.
28
29 26c. TYPE OF INVENTORY CHANGE - See Section 2.1.1.
30
31 26d. IDENTIFICATION (ITEM/BATCH NAME) - See Section 2.1.1.
32
33 26e. NO. OF ITEMS - See Section 2.1.1.
34
35 26f. PROJECT NUMBER - Leave blank.
36
37 26g. MATERIAL TYPE - See Section 2.1.1.
38
39 26h. COMPOSITION/FACILITY CODE - See Section 2.1.1.
40
41 26i. OWNER CODE - See Section 2.1.1.
42
43 26j. KEY MEASUREMENT POINT - See Section 2.1.1.
44
45 26k. MEASUREMENT IDENTIFICATION - See Section 2.1.1.
46
47 26l. GROSS WEIGHT - See Section 2.1.1.
48
49 26m. NET WEIGHT - See Section 2.1.1.
50

- 1 26n. ELEMENT WEIGHT - See Section 2.1.1.
2
3 26o. ELEMENT LIMIT OF ERROR - See Section 2.1.1.
4
5 26p. WEIGHT % ISOTOPE - Leave blank for ICT codes MF and EQ unless the material is
6 enriched uranium. For ICT codes LN and TN, report the same weight % isotope as for
7 the beginning of the inventory period. See the instructions in Section 2.1.1 for this
8 block.
9
10 26q. ISOTOPE WEIGHT - See Section 2.1.1.
11
12 26r. ISOTOPE LIMIT OF ERROR - Leave blank.
13
14 26s. SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED - See Section 2.1.1.
15
16 27. RECEIVER'S DATA - See the instructions in Section 2.1.2 for block 27.
17

18 **3.2 Preparation of DOE/NRC Form 741 in Computer-Readable Format**

19
20 NMMSS Report D-24 provides instructions for preparing DOE/NRC Form 741 in computer-
21 readable format as required for submittals.
22

23 **3.3 Distribution of DOE/NRC Form 741**

24
25 Distribute the completed DOE/NRC Form 741 as follows:
26

- 27 • Submit one copy in computer-readable format to NMMSS. (See Section 1.5 for
28 documentation and distribution of classified and unclassified reports.)
29
- 30 • Retain one copy for your file.
31

32 **4 INSTRUCTIONS FOR CORRECTING A DOE/NRC FORM 741 (C, D, AND M** 33 **ACTION CODES or Z PROCESS CODE)** 34

35 Adjustments are independent actions. Either the shipper or the receiver may initiate an
36 adjustment to a DOE/NRC Form 741 reporting the original shipment or receipt of material or an
37 adjustment to any previous adjustment to the original. The other party is required to
38 acknowledge that an adjustment was made, but not required to make the same adjustment to
39 its records.
40

41 **4.1 Originator**

42
43 The originator of the "corrected copy" must:
44

- 45 • Complete blocks 1 through 25, as appropriate, referring to the copy of DOE/NRC Form 741
46 being corrected.
47
- 48 • Insert in block 26a or 27a of the "did-read" (Was) line, as appropriate, a back reference
49 code. If the line of data has not been previously corrected, a zero (0) should be used. If
50 previously corrected, the first digit is the correction number (block 4) from the DOE/NRC

1 Form 741 being corrected. If the line of data has been corrected several times, the most
2 recent correction number should be used. The next two digits are the line number (block
3 26b or 27b) on the DOE/NRC Form 741 being corrected. The "did-read" line can only
4 reference a line on the original document or a "should-read" line. No two or more "did-read"
5 lines can back reference the same line.
6

- 7 • Complete the did-read line, blocks 26b through j and n through r or 27b through j and n
8 through r, as appropriate, by duplicating the entire line being corrected from the DOE/NRC
9 Form 741 being corrected and indicating the opposite sign (positive or negative) from the
10 original one used in reporting the number of items (block e), element weight (block n),
11 element limit of error (block o), isotope weight (block q), and isotope limit of error (block r).
12
- 13 • Insert in block 26a or 27a of the "should-read" (Should-Be) line, as appropriate, a back
14 reference code that references the corresponding did-read line. The first digit is the
15 correction number of the document being completed. The next two digits are the line
16 number of the corresponding did-read line. The "should-read" line can only reference a did-
17 read line. No two or more "should-read" lines can back reference the same line.
18

19 Repeat this procedure until all lines requiring adjustment have been "backed out" and the
20 correct information has been entered.
21

22 The did-read and should-read for each line being adjusted should be paired (i.e., consecutive).
23

24 One or more changes can be made to each line. Only incorrect lines should be included in a
25 correction report.
26

27 If adding a line to the original document, the back reference should be (000) (block 26a or 27a)
28 and pairing is not done.
29

30 If a line previously reported is split into two or more lines, one of the should-be lines should
31 back-reference the did-read line and all others should be considered new additions (000).
32

33 If a line is to be voided, only a did-read line should be used (no pairing). Examples of an initial
34 report and subsequent correction reports are provided in Appendix C.
35

36 **4.2 Receiver**

37

38 Within 10 days, the facility receiving the corrected DOE/NRC Form 741 must either:
39

- 40 • submit a DOE/NRC Form 741 acknowledging the adjustment (which will close a transaction
41 but will not affect the acknowledging party's values), or
42
- 43 • submit a DOE/NRC Form 741 accepting the adjustment or reporting their own adjustment.
44 This closes a transaction and applies the accepted or reported adjustment to the
45 acknowledging party's values.
46

47 There is no requirement for both parties to make the same quantity adjustments. However, if
48 both parties choose to adjust on the same corrected DOE/NRC Form 741, they must both
49 report the same number of entries and the material types must agree line for line.
50

1 **4.3 Use of the Z Process Code**

2
3 If the receiving party agrees to all changes for an action code C document, the receiving party
4 may utilize process code Z and action code D. Submit a DOE/NRC Form 741 to report data in
5 blocks 1, 2, 3, 4, and 22. The Z code should be entered in block 5b and action code D in block
6 6b, and block 22 should be completed. The Z process code may not be used by a licensee
7 reporting per 10 CFR Part 75.
8

9 **4.4 Distribution of Corrections to DOE/NRC Form 741**

10
11 The originator should:

- 12
- 13 • Submit one copy, in a mutually agreeable format, to the other party in the transaction.
 - 14 • Submit one copy in computer-readable format to NMMSS. (See Section 1.5 for
15 documentation and distribution of classified and unclassified reports.)
 - 16 • Retain one copy for your file.
- 17
18

19
20 Upon receipt of a correction, distribute a completed DOE/NRC Form 741 reporting an
21 acknowledgment, acceptance, or correction as follows:

- 22
- 23 • Submit one copy to NMMSS. (See Section 1.5 for documentation and distribution of
24 classified and unclassified reports.)
 - 25 • Return one copy to the originator.
 - 26 • Retain one copy for your file.
- 27
28
29

30 **5 INSTRUCTIONS FOR COMPLETING DOE/NRC FORM 740M, “CONCISE**
31 **NOTE”**

32
33 These instructions apply to all licensees who have been notified by letter from the NRC, as
34 provided in 10 CFR 75.11, that their installations have been identified under the U.S./IAEA
35 Safeguards Agreement. FAs or TFAs for such installations may specify circumstances under
36 which Concise Notes must be submitted to the IAEA as attachments to other reports. These
37 facilities should use DOE/NRC Form 740M to explain to the foreign state where the IAEA-
38 required data items appear.
39

40 Licensees who’s reporting is determined to be safeguards information, must submit a concise
41 note as discussed in section 1.5, Documentation and Distribution.
42

43 These instructions also apply to importers who for any reason cannot use the same batch name
44 as the shipper. If the shipper fails to supply a batch name, the importer should supply a batch
45 name and attach a Concise Note to that effect.
46
47
48
49

1 In some cases, it may be desirable to provide additional explanatory information with reports.
2 DOE/NRC Form 740M, "Concise Note," is used to submit this information. A DOE/NRC Form
3 740M may be attached to a DOE/NRC Form 741, "Nuclear Material Transaction Report"; to a
4 DOE/NRC Form 742, "Material Balance Report"; to a DOE/NRC Form 742C, "Physical
5 Inventory Listing"; or to a stand-alone Concise Note for facilities reporting under 10 CFR Part
6 75.

7
8 The numbered blocks of the DOE/NRC Form 740M should be completed as follows:
9

10 1. NAME AND ADDRESS - Leave blank.
11

12 2. ATTACHMENT TO - Place an 'X' in the appropriate box to indicate this explanatory
13 information will be attached to a DOE/NRC Form 741
14

15 When attaching the Concise Note to a DOE/NRC Form 742 or 742C, enter the number
16 one (1) for the first Concise Note attached to the particular DOE/NRC 742 or 742C.
17 When issuing an additional Concise Note for a particular DOE/NRC 742 or 742C, enter
18 the next sequential number (2-9) of the Concise Note.
19

20 3. RIS - Enter the reporting identification symbol (RIS) to which the explanatory information
21 in this report applies.
22

23 4. REPORTING PERIOD - Complete this block only when the Concise Note is attached to
24 a DOE/NRC Form 742, "Material Balance Report," or a DOE/NRC Form 742C, "Physical
25 Inventory Listing." Enter the beginning and ending dates of the reporting period as
26 shown on the Form 742.
27

28 5. TRANSACTION DATA - Complete this block only when the Concise Note is attached to
29 a DOE/NRC Form 741, "Nuclear Material Transaction Report," or if a stand-alone
30 Concise Note is submitted. Copy the requested data from the DOE/NRC Form 741. All
31 entries in this block must be identical to those on the DOE/NRC Form 741. Fill in the
32 blocks as follows.
33

34 5A. SHIPPER'S RIS - Enter the RIS of the shipper.
35

36 5B. RECEIVER'S RIS - Enter the RIS of the receiver.
37

38 5C. TRANSACTION NUMBER - Enter the unique transaction number.
39

40 5D. CORRECTION NUMBER - If the DOE/NRC Form 741 is a correction to a previous
41 report, enter the correction number.
42

43 5E. PROCESSING CODE - Insert the same code used in DOE/NRC Form 741.
44

45 5F. ACTION CODE - If a Form 740M is used with a DOE/NRC Form 741, enter the same
46 action code as on the DOE/NRC Form 741, block 7; otherwise enter action code M.
47

48 6. REPORTING DATE - Complete this block if the Concise Note is attached to a
49 DOE/NRC Form 741 or 742C. Copy the date shown on the DOE/NRC Form 741 or
50 742C.

- 1 7. This block contains the actual explanatory data and the other data necessary to link the
2 explanatory data to the part of or parts of the report to which the data apply. Complete
3 this block as follows.
4
- 5 7A. LINE NO. - Enter consecutive numbers beginning with 1 for each explanatory reference.
6
- 7 7B. ENTRY REFERENCE - If the explanatory information entered on this line of the
8 DOE/NRC Form 740M applies to the entire Form 741, 742, or 742C, enter the words
9 "WHOLE REPORT." If the explanation applies to the data on a specific batch on a
10 Form 741 or 742C, copy the batch name exactly as it appears on the Form 741 or 742C.
11 If the explanation applies to a specific material balance category on a Form 742, enter
12 the two-digit number of the material balance category. Additionally, if the explanation
13 applies to material balance categories 11, 30, 42, 43, or 51, enter the RIS shown on the
14 relevant line of the Form 742. If the explanation applies to categories 22 or 71, enter
15 the two-character ICT as shown on the relevant of the Form 742. If the Form 740M
16 action code is M, enter "General."
17
- 18 7C. TEXT OF CONCISE NOTE - Enter any 43 letters, numbers, or special characters per
19 line. Up to 99 lines of text may be used for any one explanation.
20
- 21 8. SIGNATURE - The DOE/NRC Form 740M must be signed by an authorized
22 representative of the licensee. See the instructions in Section 2.1 for block 26s.
23
- 24 9. TITLE - Enter the title of the person signing the form.
25
- 26 10. DATE - Enter the date the form was signed.
27

28 DOE/NRC Form 740M should be put into computer-readable format following the additional
29 guidance in NMMSS Report D-24.
30

31 Copies of the Form 740M must be attached to, and distributed with, the DOE/NRC Form 741,
32 742, or 742C to which the Form 740M applies.
33

34 **6 DOE REPORTING REQUIREMENTS FOR PROPRIETARY INTERESTS OF** 35 **THE GOVERNMENT** 36

37 NRC licensees are responsible for routinely reporting to NMMSS, all DOE-owned, -loaned, or -
38 leased material in their possession as prescribed in DOE Orders Series 470.4 "Safeguards and
39 Security Program," and DOE M 470.4-6 "Nuclear Material Control and Accounting for U.S.
40 GOVT-owned material holdings."
41
42
43
44
45
46
47
48
49

1 **7 REFERENCES**

2
3 The Nuclear Materials Management and Safeguards System (NMMSS) documents listed below
4 are referenced in the preceding pages. To request these documents, telephone the NMMSS
5 operator.

6
7 "The DOE Directory of Reporting Identification Symbols," NMMSS Report D-2

8
9 "The NRC Directory of Reporting Identification Symbols," NMMSS Report D-3

10
11 "International Nuclear Facilities Codes Manual," NMMSS Report D-15

12
13 "Personal Computer Data Input for NRC Licensees," NMMSS Report D-24

14
15 "Transaction Composition Code Reference List," NMMSS Report D-25

16
17 "ANSI Codes," Report D-50A-109

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

APPENDIX A
COMPOSITION CODES

COMPOSITION CODES

The codes listed below are for use in completing blocks 26h or 27h on DOE/NRC Form 741. If your installation has been notified by letter from the NRC, as provided in 10 CFR 75.11, that it has been identified under the U.S./IAEA Safeguards Agreement, enter the appropriate code from the list developed during the formulation and negotiation of your Facility Attachment or Transitional Facility Attachment (after the document has been provided to you under 10 CFR 75.8).

Note: In accordance with 10 CFR 75.11, any change in facility operations or processes that would result in any changes to, additions to or deletions from the list should be communicated to the NRC in writing, to the extent provided in your license conditions, at least 70 days in advance of the changes so that new composition codes can be assigned. For additional composition codes see NMMSS Report D-25 and American National Standard Institute (ANSI) Codes Report D-50A-109.

UNENCAPSULATED (except scrap)

Code

032	U ₃ O ₈ (Oxide product)
048	UO ₃ (Trioxide product)
770	Carbides
455	Other oxides product (For all oxides not otherwise identified)
064	Tetrafluorides (Tetrafluoride product)
083	UF ₆ (Hexafluoride product)
095	Enriching process
102	Hexafluorides—in Enriching Process
103	Hexafluoride Product
107	Uranium in cascades—Holdup
120	UF ₆ Feed
773	UF ₆ heels
363	In Reactor product
409	Nitrate Solutions product
786	Acetate Solutions product

1 701 Unalloyed Metal product
2
3 702 Alloyed Metal product
4
5 771 Samples and Standards
6
7 637 Sintered Products
8
9 UNENCAPSULATED SCRAP (for recovery)* +

10
11 375 Irradiated Recyclable Fuel
12
13 WASTE (for disposal)
14

15 Waste material should be described by an appropriate scrap category.*

16
17 ENCAPSULATED

18
19 291 Fabricated Fuel Elements (pins, rods, plates)
20
21 309 Fuel assemblies (Assembled items product)
22
23 481 Sealed sources (Fabricated Sources Product)
24

25 OTHER

26
27 776 Other Products
28
29 E04 Miscellaneous Noncombustibles (Uranium)
30

31
32 Note: U/Th and Pu/U mixed oxide fuels should be reported either as fuel elements (code 291)
33 or as fuel assemblies (code 309) as applicable.
34

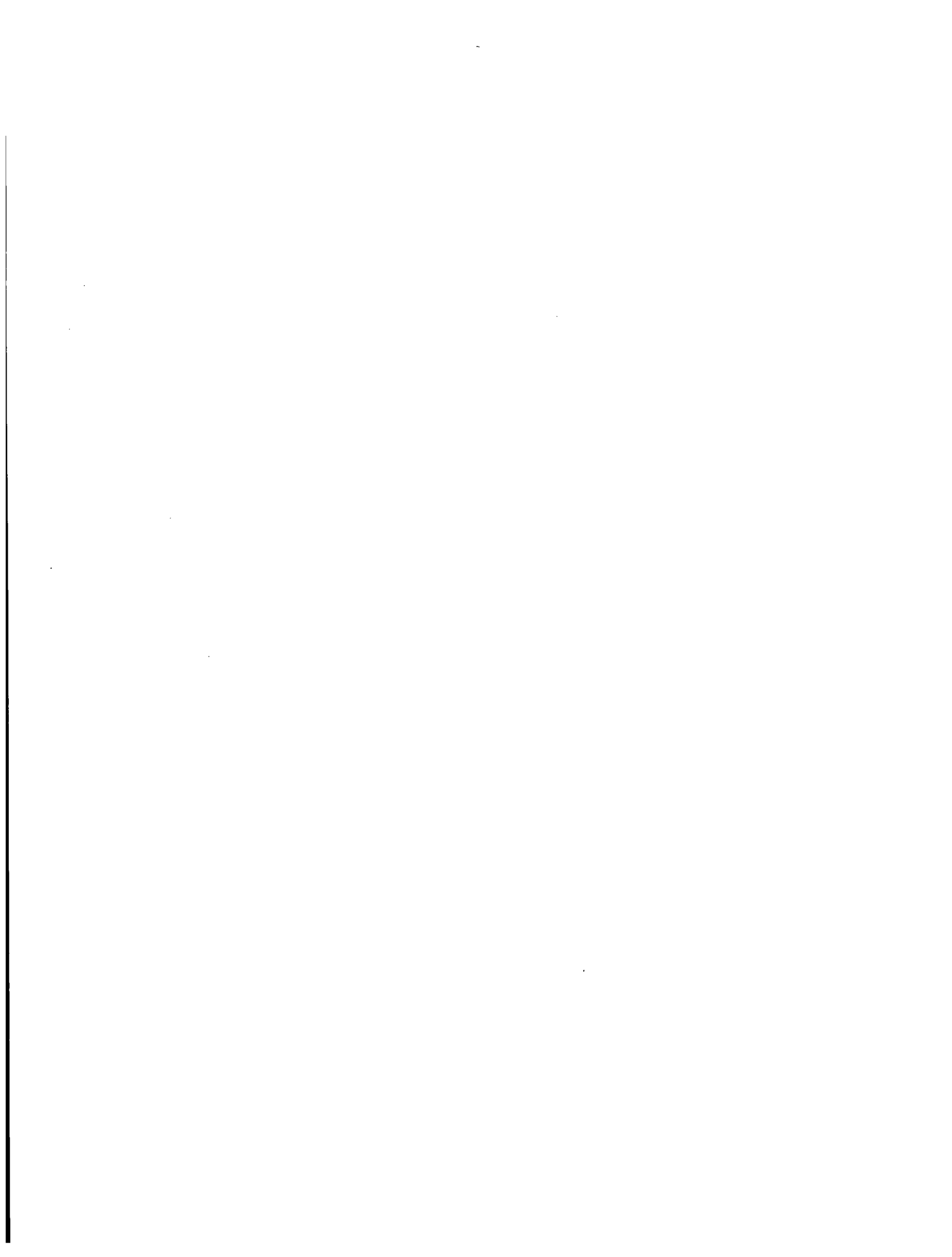
35 Report the different material types in the mixed oxide fuels on separate lines.
36
37
38
39
40
41

42
43 _____
44 *American National Standard Institute codes for plutonium scrap may be used in lieu of these
45 codes.

46 +Where a number of dissimilar items of scrap are put into the same container, use the
composition code for the predominant scrap category.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

APPENDIX B
INVENTORY CHANGE TYPE CODES FOR COMPLETING BLOCKS 26c AND
27c OF DOE/NRC FORM 741



INVENTORY CHANGE TYPE CODES

All inventory change type (ICT) codes on transaction reports consist of two alphabetic or numeric characters. The accounting entry type codes used on Material Balance Reports (MBRs) consist of two digits. In the following pages the number(s) in parentheses following the alphabetic code represent the MBR line for which the transaction entries correspond. The standard inventory changes and other entry type are listed below. In transaction reports, all transactions and operations are understood to be related to individual batches. In MBRs, corresponding the same codes denote consolidated entries; i.e., the sums of all individual operations with the same code over the material balance period. In addition, MBRs include entries related to inventory data and adjustments not reported on transaction reports.

Gains or losses of material which occur based on the total inventory or in which individual effects to inventories by country of obligation code cannot be determined, should be reported as a loss to all country obligation balances by applying a one to one ratio by percent of the country of obligation to the amount of inventory affected to the amount of inventory change. For example, if decay is reported for plutonium within a reactor and the plutonium balance represents several different country of obligation balances the following calculations would determine the amount of decay to apply to each country of obligation code balance.

	<u>Element</u>	<u>Isotope</u>
Amount of inventory for which decay applies	1,202, 239	950,947
Calculated decay for the period	998	998

Balance by Country Obligation Code

<u>OBLIGATION CODE</u>	<u>ELEMENT</u>	<u>ISOTOPE</u>	<u>% Ratio to Total Inventory</u>
33	200,000	158,196	200,000/1,202,239 = .166 x 100 = 17%
34	509,321	402,863	509,321/1,202,239 = .424 x 100 = 42%
32	<u>492,918</u>	<u>389,888</u>	492,918/1,202,239 = .410 x 100 = <u>41%</u>
Total Pu Balance	1,202, 239	950,947	100%

Amount of decay to apply to each country of obligation code balance

33	998 x 17% = 169.66 rounded to the nearest gram = 170	
34	998 X 42% = 419.16 rounded to the nearest gram = 419	
32	998 x 41% = 409.18 rounded to the nearest gram = <u>409</u>	<u>998</u>

The following should also be followed used for the isotope balances.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29

TRANS. MBR CODE LINE	EXPLANATION	REQUIREMENT FOR BLOCKS 26c AND 27c
RF (11, 13, 30, 38, 39)	Nuclear material imported into the United States (Receipt Foreign)	Make no entry
RD (11, 13, 30, 38, 39)	Domestic receipt of nuclear material from another domestic RIS (Receipt Domestic)	Make no entry
RN (11, 13, 30, 38, 39)	Domestic receipt of nuclear material from activity not subject to 10 CFR Part 75	Make no entry
NP (21)	Production of fissionable material in a reactor (Pu, U ²³³)	Entry required by licensee
DU (76)	Reapplication of safeguards in nuclear material previously exempted therefrom pursuant to Article 38 of the Agreement after being exempted based on use (Licensees subject to 10 CFR Part 75 only)	Entry required only after notification by NRC
DQ (76)	Reapplication of safeguards in nuclear material previously exempted therefrom pursuant to Article 38 of the Agreement after being exempted based on quantity (Licensees subject to 10 CFR Part 75 only)	Entry required only after notification by NRC
SF (42, 43, 51, 58, 59)	Export of nuclear material out of the United States	Make no entry
SD (42, 43, 51, 58, 59)	Domestic transfer of nuclear material from another Domestic RIS	Make no entry
SN (42, 43, 51, 58, 59)	Domestic transfer of nuclear material from a facility subject to 10 CFR Part 75 to a waste management facility	Entry required
SN (42, 43, 51, 58, 59)	Domestic transfer of nuclear material from a facility subject to 10 CFR Part 75 to a facility other than a waste management facility	Make no entry

1
2
3
4
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34

TRANS. MBR CODE LINE	EXPLANATION	REQUIREMENT FOR BLOCKS 26c AND 27c
LN* (73)	Consumption of nuclear material due to its transformation into other elements or isotope(s) as a result of nuclear reactions (burnup)	Entry required by licensee
*NOTE: When calculating weight % isotope in the case of burnup or decay, report the same weight % isotope for decay and burnup as the weight % of the beginning inventory for the period.		
TN* (72)	Consumption of nuclear material due to its transformation into other elements or isotope(s) as a result of nuclear reactions (decay)	Entry required by licensee
*NOTE: When calculating weight % isotope in the case of burnup or decay, report the same weight % isotope for decay and burnup as the weight % isotope of the original inventory for the period.		
LD (74)	Normal operational loss/measured discard; i.e., loss of a measured or estimated (on the basis of measurement) quantity of nuclear material from processing which has been disposed of in such a way that it is not suitable for further nuclear use	Entry required by licensee
TW (74)	Transfer to the retained waste category of measured nuclear material which is deemed to be irrecoverable, to be stored at the MBA and to be deleted from the inventory of the MBA	Entry required by licensee
FW (51)	Retransfer of material which has been stored at the MBA as retained waste to the nuclear material inventory. This applies whenever material in the retained waste category is removed from storage either for processing at the MBA or for retransfer from the MBA.	Entry required by licensee
EU (76)	Exemption of nuclear material from safeguards pursuant to Article 36 of the Agreement (Licensees subject to 10 CFR Part 75 only)	Entry required only after notification by NRC

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

TRANS. MBR CODE LINE	EXPLANATION	REQUIREMENT FOR BLOCKS 26c AND 27c
EQ (76)	Exemption of nuclear material from safeguards pursuant to Article 37 of the Agreement (Licensees subject to 10 CFR Part 75 only)	Entry required only after notification by NRC
TU (76)	Termination of safeguards on nuclear material pursuant to Articles 13 and 35 of the Agreement (Licensees subject to 10 CFR Part 75 only)	Entry required only after notification by NRC
LA (75)	Irretrievable and inadvertent loss of a known quantity of nuclear material as the result of an operational accident	Entry required by licensee
GA (75)	Nuclear material unexpectedly found to be present in the MBA, except when detected in the course of a physical inventory taking. Gains should be reported as a negative value.	Entry required by licensee
DI (N/A)	The difference between the batch quantity reported as received (always on shipper's data) and the quantity of the same batch as measured by the operator of the receiving MBA (Licenses subject to 10 CFR Part 75 only)	Make no entry
RM (N/A)	The quantity by which the batch mentioned in the entry is diminished in cases of rebatching (Licensees subject to 10 CFR Part 75 only)	Licensee entry required, if applicable
RP (N/A)	The quantity of material added from another batch to the batch mentioned in the entry (Licensees subject to 10 CFR Part 75 only)	Licensee entry required, if applicable

TRANS. MBR
CODE LINE

EXPLANATION

REQUIREMENT FOR
BLOCKS 26c AND 27c

<p>5 EN 6 ED 7 NE 8 ND 9 DE 10 DN 11 EE 12 (22, 71)</p>	<p>Category Change - The quantity of uranium which has changed category as a result of blending, enrichment, depletion, or burnup. The first letter denotes the original, the second letter the resulting category (E=enriched, N=natural (or "normal"), D=depleted uranium, EE=change of enrichment). The material type codes should be those for both the original and the resulting material. The weight data should be provided both for the originating and for the resulting category.</p> <p>These entries should be consolidated into the material balances for both categories. For any of these changes line pairing is required, one line denotes the original material and the other denoting the resulting material.</p> <p>Enrichment facility may use the 22-71 combination to report changes in material type associated with enrichment activities for material types 10, 20, 81, and 89 or as directed by the NRC.</p>	<p>Entry required by licensee</p>
<p>26 MF 27 (77)</p>	<p>Inventory difference: this should be calculated as the difference between the book inventory and the ending physical inventory. Must not be used by Reactors</p>	<p>Entry required by licensee</p>
<p>28 PB 29 (N/A)</p>	<p>Beginning physical inventory: it should be equal to the ending physical inventory of the previous MBR relating to the same material</p>	<p>Entry required by licensee</p>
<p>30 BA 31 (83)</p>	<p>The algebraic sum of the beginning physical inventory and of the inventory changes over the period, adjusted to take account of the shipper-receiver differences</p>	<p>Entry required by licensee</p>
<p>32 PE 33 (N/A)</p>	<p>The sum of all measured and derived batch quantities of nuclear material on hand on the date of the physical inventory taking. These entries should be consolidated</p>	<p>Entry required by licensee</p>

1
2
3
4
5
6
7
8

TRANS. MBR CODE LINE	EXPLANATION	REQUIREMENT FOR BLOCKS 26c AND 27c
RAXX (N/A)	<p>Applicable to licensees subject to the 10 CFR Part 75 only - The quantity that has to be added to the rounded sum to make it equal to the sum of the rounded terms. A rounding adjustment is made to an entry in the MBR of which the IAEA has been informed differently through Inventory Change Reports (ICRs) and Physical Inventory Lists (PILs), in order to bring the MBR entry into agreement with the corresponding figures established on the basis of ICRs and PILs. In the case of the book inventory and the inventory difference (ID) or material unaccounted for (MUF), the following formulae should be used respectively.</p> $RABA = PB + ICR_{MBR} - DI - BA, \text{ and}$ $RAMF = BA - PE - MF$ <p>where ICR_{MBR} is the sum of the consolidated inventory changes as reported in the MBR, taken with the appropriate sign if they represent decreases. All other notations are as defined for this data element.</p> <p>No rounding adjustment is needed for the beginning physical inventory.</p> <p>The rounding adjustment should be coded RAXX where XX stands for the code of the entry to which the rounding adjustment pertains, e.g., RALN means a rounding adjustment to the consolidated entry on the nuclear loss.</p>	Entry by licensee required only if applicable

1
2
3
4
5
6
7
8
9
10
11
12

TRANS. MBR CODE LINE	EXPLANATION	REQUIREMENT FOR BLOCKS 26c AND 27c
34 (30)	Receipts - Miscellaneous. Enter quantities of material received in two-party transactions where only receiver's data or receipts of quantities of material falling below the reporting level are reported and now cumulatively total 1 gram or more for SNM or 1 kilogram or more for source material. Examples include receipts of material (not reported elsewhere) from facilities that have not been assigned a reporting identification symbol, and receipts from licensees that are not required to document or report transactions.	Licensee entry required
37	Procurement by others. Enter quantities of material purchased by the facility for its own account from in-situ material which it had been holding or, material which the facility is processing for another licensee.	
54 (51)	Shipments - Miscellaneous. Enter quantities of material shipped in two-party transactions where only shipper's data are reported or shipments of quantities of material falling below the reporting level are reported and now cumulatively total 1 gram or more of SNM or 1 kilogram or more for source material. Examples are shipments of material (not reported elsewhere) from facilities that have not been assigned a reporting identification symbol and shipments from licensees that are not required to document or report transactions.	Licensee entry required
65	Rounding Adjustment	Entry required by licensee. Note: a negative value adds to the site inventory.



1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

APPENDIX C
EXAMPLE DOCUMENTATION OF SHIPPER AND RECEIVER DATA
(BLOCKS 26 AND 27)



1 **EXAMPLES OF SHIPPER AND RECEIVER DATA**
2 **(BLOCKS 26 AND 27)**

3
4 EXAMPLE 1 - INITIAL REPORT

5
6 On May 16, 2002, shipper XXX transferred to receiver XXY fabricated fuel elements containing:
7

8	<u>Line</u>		<u>Element</u>	<u>Isotope</u>
9	1	natural uranium	2 kg	
10	2	1.7080% enriched uranium	5,429 g	93.00 g
11	3	2.0110% enriched uranium	8,220 g	65.00 g
12	4	2.2180% enriched uranium	5,469 g	21.00 g

13
14 On May 23, 2002, receiver XXY acknowledged receipt of the shipment and accepted the shipper's
15 weights without further measurement.

16
17 These transactions were reported on XXX/XXY/2.
18

19 EXAMPLE 2 - CORRECTION 1

20
21 On July 30, 2002, the shipper corrected the element weights for lines 1 and 3 to reflect the
22 adjusted element weights of 3 and 9220, respectively.

23
24 This correction was reported on XXX/XXY/2/1.
25

26 EXAMPLE 3 - CORRECTION 3

27
28 On December 31, 2002, the receiver reported an adjustment to the weight percent isotope on line
29 2 of the initial report.

30
31 This correction was reported on XXX/XXY/2/3.
32

33 EXAMPLE 4 - INITIAL REPORT (ACTION CODE M)

34
35 On September 30, 2002, facility XXX reported decay and production.

36
37 These inventory changes were reported on XXX/XXX/2.
38

39 EXAMPLE 5 - CORRECTION 1 TO ACTION CODE M

40
41 On March 31, 2002, facility XXX corrected the element and isotope weights on lines 3 and 4. In
42 addition, the element and isotope weights on line 6 were corrected and three new lines was
43 added.
44

45 EXAMPLE 6 - INITIAL REPORT

46
47 On May 30, 2002, shipper XXX transferred material to receiver RYYY.
48
49

1 EXAMPLE 7 - CORRECTION 1

2
3 On May 30, 2002, the shipper realized the export license number was incorrect (block 15).
4 Correction one was issued to negate the values in block 26. The back reference number listed in
5 block 26a is 001.
6

7 EXAMPLE 8 - CORRECTION 2

8
9 Correction 2 was issued showing the correct number in block 15. Block 26 values are restated as
10 they were listed on the initial report. The back reference number listed in block 26a is 101.
11

12 Matching correction documents would be required for the receiving facility.
13

14 EXAMPLE 9 - INITIAL REPORT (with a single foreign obligation)

15
16 On January 1, 2002, shipper XXX transferred natural uranium to receiver YYY:
17

<u>Line</u>	<u>Element</u>	<u>Isotope</u>
18 1	natural uranium	12,008 kg

19
20
21
22 On January 1, 2002, receiver YYY acknowledged receipt of the shipment and accepted the
23 shipper's weights without further measurement.
24

25 These transactions were reported on XXX/YYYY/1.
26

27 EXAMPLE 10 - WR MATERIAL (no foreign obligation)

28
29 On January 1, 2002, shipper RYYY transferred enriched uranium to receiver YYY:
30

<u>Line</u>	<u>Element</u>	<u>Isotope</u>
31 1	UF ⁶ cylinder	1,500,000 kg 74,250

32
33
34
35 On January 7, 2002, receiver RYYY acknowledged receipt of the shipment and accepted the
36 shipper's weights without further measurement.
37

38 These transactions were reported on RYYY/YYYY/1.
39

40 EXAMPLE 11 - INITIAL REPORT (multiple foreign obligations)

41
42 On January 1, 2002, shipper RYYY transferred enriched uranium to receiver YYY:
43

<u>Line</u>	<u>Element</u>	<u>Isotope</u>
44 1	UF ⁶ cylinder	1,400,000 kg 61,600
45 2	UF ⁶ cylinder	1,450,000 kg 62,350
46 3	UF ⁶ cylinder	1,500,000 kg 66,000

1 On January 10, 2002, receiver YYY acknowledged receipt of the shipment and accepted the
2 shipper's weights without further measurement.

3
4 These transactions were reported on RYYY/YYYY/2.
5
6
7

8 List of Examples:
9

10 Example 1: DOE/NRC Form 741 - Initial report

11
12 Example 2: DOE/NRC Form 741 - Correction 1 (shipper adjusting lines 01 and 03 of the initial
13 transaction)

14
15 Example 3: DOE/NRC Form 741 - Correction 3 (receiver adjusting line 02 of the initial report)

16
17 Example 4: DOE/NRC Form 741 - Initial report (action code M)

18
19 Example 5: DOE/NRC Form 741 - Correction 1 (action code M)

20
21 Example 6: DOE/NRC Form 741 - Initial report

22
23 Example 7: DOE/NRC Form 741 - Correction 1

24
25 Example 8: DOE/NRC Form 741 - Correction 2

26
27 Example 9: DOE/NRC Form 741 - Initial report (single foreign obligation)

28
29 Example 10: DOE/NRC Form 741 - Receipt of WR material (no foreign obligation)

30
31 Example 11: DOE/NRC Form 741 - Receipt of source material (with foreign obligation)
32
33
34
35

EXAMPLE 1: INITIAL REPORT

NUREG/BR-0006, Rev. 7

C-4

DOE/NRC FORM 741 (4-2005) Previous editions are obsolete MANDATORY DATA COLLECTION AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150, Public Laws 83-703, 93-438, 95-91	U.S. DEPARTMENT OF ENERGY AND U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0003 Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0003), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.
---	---	--

EXPIRES: 04/30/2008

NUCLEAR MATERIAL TRANSACTION REPORT

1. SHIPPER'S RIS XXX	2. RECEIVER'S RIS XXY	3. TRANSACTION NO 2	4. CORRECTION NO	5. PROCESSING CODE a. SHIPPER A b. RECEIVER A	6. ACTION CODE a. SHIPPER A b. RECEIVER B	7. DOCUMENTATION (Only if document is classified SECRET)		
8. NAME AND ADDRESS OF SHIPPER		9. NAME AND ADDRESS OF RECEIVER		10. NO OF DATA LINES 4	11. NATURE OF TRANSACTION			NO. DISTRIBUTION OF COPIES
c. ATTENTION		c. ATTENTION		12. SHIPPED FOR ACCOUNT OF		13. SHIPPED TO ACCOUNT OF		1
d. TELEPHONE		d. TELEPHONE						2
								3
								4
								5
								6
								7
								8
								9

14. TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER	15. EXPORT OR IMPORT TRANSFERS: LICENSE NO									
16. MATERIAL TYPE AND DESCRIPTION										
23a. MISCELLANEOUS	b. CONCISE NOTE ATTACHED <input type="checkbox"/>	17. LINE NUMBER	18. COUNTRY OF OBLIGATION	19. MATERIAL TYPE	20. OBLIGATED ELEMENT WEIGHT	21. OBLIGATED ISOTOPE WEIGHT For Enriched Uranium Only	22. ACTION DATE	MONTH (MM)	DAY (DD)	YEAR (YYYY)
c. UK REPORTABLE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO							a. SHIPMENT	05	16	2002
							b. SHIPPER'S CORRECTION			
							c. RECEIPT	05	23	2002
							d. RECEIVER'S MEASUREMENT			
							e. RECEIVER'S CORRECTION			
		24. TOTAL GROSS WEIGHT		25. TOTAL VOLUME (Waste Transfers Only)						

26. SHIPPER'S DATA	BACK REFERENCE NUMBER	LINE NO	TYPE OF INV CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMPL FACILITY CODE	OWNER CODE	KEY MEAS. POINT	MEAS. IDENT			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPIC	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR	
	a	b	c	d	e	f	g	h	i	j	1 BASIS	2 OMP	3 METHOD	k	l	m	n	o	p	q	
		01		Fab Fuel Ele - 1	1		81	291	J							2					
		02		Fab Fuel Ele - 1	1		20	291	J				4480	2770	5429	3	1.7080	93	1		
		03		Fab Fuel Ele - 2	1		20	291	J				7380	4350	8220	4	2.0110	65	1		
		04		Fab Fuel Ele - 3	1		20	291	J				6237	3272	5469	3	2.2180	21	1		

26s. SHIPPER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED <i>John Doe</i> 05/19/02	27s. RECEIVER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED <i>Jane Smith</i> 05/24/02
---	--

27. RECEIVER'S DATA	BACK REFERENCE NUMBER	LINE NO	TYPE OF INV CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMPL FACILITY CODE	OWNER CODE	KEY MEAS. POINT	MEAS. IDENT			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPIC	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR	
	a	b	c	d	e	f	g	h	i	j	1 BASIS	2 OMP	3 METHOD	k	l	m	n	o	p	q	
		01		Fab Fuel Ele - 1	1		81	291	J							2					
		02		Fab Fuel Ele - 1	1		20	291	J				4480	2770	5429	3	1.7080	93	1		
		03		Fab Fuel Ele - 2	1		20	291	J				7380	4350	8220	4	2.0110	65	1		
		04		Fab Fuel Ele - 3	1		20	291	J				6237	3272	5469	3	2.2180	21	1		

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

EXAMPLE 2: CORRECTION (Shipper adjusting lines 01 and 03 of the initial transaction)

DOE/NRC FORM 741 (4-2005) Previous editions are obsolete MANDATORY DATA COLLECTION AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150, Public Laws 83-703, 93-438, 95-91	U.S. DEPARTMENT OF ENERGY AND U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0003 Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0003), Office of Management and Budget, Washington, DC 20503, if a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.
--	---	--

NUCLEAR MATERIAL TRANSACTION REPORT

1 SHIPPER'S RIS XXX	2 RECEIVER'S RIS XXY	3 TRANSACTION NO 2	4 CORRECTION NO 1	5 PROCESSING CODE a SHIPPER A b RECEIVER	6 ACTION CODE a SHIPPER C b RECEIVER	7 DOCUMENTATION (Only if document is classified SECRET) PAGE OF PAGES COPY OF COPIES SERIES
8 a. NAME AND ADDRESS OF SHIPPER		9 a. NAME AND ADDRESS OF RECEIVER		10 NO OF DATA LINES 4		11 NATURE OF TRANSACTION
c ATTENTION		c ATTENTION		12 a. SHIPPED FOR ACCOUNT OF b RIS		13 a. SHIPPED TO ACCOUNT OF b RIS
d TELEPHONE		d TELEPHONE		14 TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER		15 EXPORT OR IMPORT TRANSFERS LICENSE NO
16 MATERIAL TYPE AND DESCRIPTION				17 LINE NUMBER		18 COUNTRY OF OBLIGATION
				19 MATERIAL TYPE		20 OBLIGATED ISOTOPE WEIGHT
				21 OBLIGATED ISOTOPE WEIGHT <small>For Enriched Uranium Only</small>		22 ACTION DATE MONTH (MM) DAY (DD) YEAR (YYYY)
23a. MISCELLANEOUS				b CONCISE NOTE ATTACHED <input type="checkbox"/>		a SHIPMENT
				c UK REPORTABLE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		b SHIPPER'S CORRECTION 07 30 2002
				24 TOTAL GROSS WEIGHT		c RECEIPT
				25 TOTAL VOLUME (Waste Transfers Only)		d RECEIVER'S MEASUREMENT
						e RECEIVER'S CORRECTION

26. SHIPPER'S DATA	BACK REFERENCE NUMBER	LINE NO	TYPE OF INV CHANGE	IDENTIFICATION (ITEM/MATCH NAME)	NO OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMPL FACILITY CODE	OWNER CODE	KEY MEAS POINT	MEAS IDENT			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISO100%	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR
	a	b	c	d	e	f	g	h	i	j	1 BASIS	2 CMP	3 METHOD	l	m	n	o	p	q	r
	001	01		Fab Fuel Ele - 1	-6		81	291	J							-2				
	101	02		Fab Fuel Ele - 1	7		81	291	J						0					
	003	03		Fab Fuel Ele - 2	-5		20	291	J					-7380	-4350	-8220	-4	-2.0110	-65	-1
	103	04		Fab Fuel Ele - 2	7		20	291	J					7380	4350	8220	4	2.0110	65	1

26s. SHIPPER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED <i>John Doe</i> 07/30/02	27s. RECEIVER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED
---	--

27. RECEIVER'S DATA	27s. RECEIVER'S DATA
---------------------	----------------------

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

EXAMPLE 3: CORRECTION 3 (Receiver adjusting line 02 of the initial report)

NUREG/BR-0006, Rev. 7

DOE/NRC FORM 741 (4-2005) Previous editions are obsolete MANDATORY DATA COLLECTION AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150, Public Laws 83-703, 93-438, 95-91	U.S. DEPARTMENT OF ENERGY AND U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0003 Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov , and to the Desk Officer, Office of Information and Regulatory Affairs, NE08-10202, (3150-0003), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.
--	---	---

NUCLEAR MATERIAL TRANSACTION REPORT

1 SHIPPER'S RIS XXX	2 RECEIVER'S RIS XXY	3 TRANSACTION NO 2	4 CORRECTION NO 3	5 PROCESSING CODE a SHIPPER A b RECEIVER		6 ACTION CODE a SHIPPER D b RECEIVER		7 DOCUMENTATION (Only if document is classified SECRET) PAGE OF PAGES COPY OF COPIES SERIES			
-------------------------------	--------------------------------	------------------------------	-----------------------------	--	--	--	--	--	--	--	--

8 a NAME AND ADDRESS OF SHIPPER b LICENSE NO. c ATTENTION d TELEPHONE	9 a NAME AND ADDRESS OF RECEIVER b LICENSE NO. c ATTENTION d TELEPHONE	10 NO OF DATA LINES 2	11 NATURE OF TRANSACTION 12 a SHIPPED FOR ACCOUNT OF b RIS	13 a SHIPPED TO ACCOUNT OF b RIS	14 TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER	15 EXPORT OR IMPORT TRANSFERS LICENSE NO.	16 MATERIAL TYPE AND DESCRIPTION 23a MISCELLANEOUS b CONCISE NOTE ATTACHED <input type="checkbox"/> c UK REPORTABLE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	17 LINE NUMBER 18 COUNTRY OF OBLIGATION 19 MATERIAL TYPE 20 OBLIGATED ELEMENT WEIGHT 21 OBLIGATED ISOTOPE WEIGHT For Enriched Uranium Only	22 ACTION DATE a SHIPMENT b SHIPPER'S CORRECTION c RECEIPT d RECEIVER'S MEASUREMENT e RECEIVER'S CORRECTION	MONTH (MM) DAY (DD) YEAR (YYYY) 12 31 2007
--	---	---------------------------------	--	-------------------------------------	---	---	---	--	--	---

26. SHIPPER'S DATA	BACK REFERENCE NUMBER	LINE NO.	TYPE OF INV CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMP/FACILITY CODE	OWNER CODE	KEY MEAS. POINT	MEAS. IDENT			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR	
	a	b	c	d	e	f	g	h	i	j	1 BASIS	2 OMP	3 METHOD	l	m	n	o	p	q	r	

26s. SHIPPER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED	27s. RECEIVER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED <i>Jane Smith</i> 12/31/07
---	--

27. RECEIVER'S DATA	BACK REFERENCE NUMBER	LINE NO.	TYPE OF INV CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMP/FACILITY CODE	OWNER CODE	KEY MEAS. POINT	MEAS. IDENT			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR
											1 BASIS	2 OMP	3 METHOD	l	m	n	o	p	q	r
	002	01		Fab Fuel Ele	-1		20	291	J					-4480	-2770	-5429	-3	1.7180	-93	-1
	301	02		Fab Fuel Ele	1		20	291	J					4480	2770	5429	3	1.7180	93	1

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

EXAMPLE 4: INITIAL REPORT (Action Code M)

DOE/NRC FORM 741 (4-2005) Previous editions are obsolete MANDATORY DATA COLLECTION AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150, Public Laws 83-703, 93-438, 95-91	U.S. DEPARTMENT OF ENERGY AND U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0003 Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0003), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.
NUCLEAR MATERIAL TRANSACTION REPORT		

1 SHIPPER'S RIS XXX	2 RECEIVER'S RIS XXX	3 TRANSACTION NO. 2	4 CORRECTION NO.	5 PROCESSING CODE	6 ACTION CODE	7 DOCUMENTATION (Only if document is classified SECRET)	
8 a NAME AND ADDRESS OF SHIPPER		9 a NAME AND ADDRESS OF RECEIVER		10 NO OF DATA LINES 5	11 NATURE OF TRANSACTION N	NO. DISTRIBUTION OF COPIES	
c ATTENTION		c ATTENTION		12 a SHIPPED FOR ACCOUNT OF		13 a SHIPPED TO ACCOUNT OF	
d TELEPHONE		d TELEPHONE		14 TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER		15 EXPORT OR IMPORT TRANSFER LICENSE NO.	
16 MATERIAL TYPE AND DESCRIPTION				17 LINE NUMBER	18 COUNTRY OF OBLIGATION	19 MATERIAL TYPE	20 OBLIGATED ELEMENT WEIGHT
23a MISCELLANEOUS				b CONCISE NOTE ATTACHED <input type="checkbox"/>		21 OBLIGATED ISOTOPE WEIGHT For Enriched Uranium Only	
				c UK REPORTABLE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		22 ACTION DATE	
						b SHIPMENT 09 30 2002	
						c RECEIVER'S CORRECTION	
						d RECEIVER'S MEASUREMENT	
						e RECEIVER'S CORRECTION	
				24 TOTAL GROSS WEIGHT		25 TOTAL VOLUME (Waste Transfer Only)	

26 SHIPPER'S DATA	BACK REFERENCE NUMBER	LINE NO	TYPE OF INV. CHANGE	IDENTIFICATION (ITEMS/ATCH NAME)	NO OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMP. FACILITY CODE	OWNER CODE	KEY MEAS POINT	MEAS IDENT			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR
	a	b	c	d	e	f	g	h	i	j	1 BASIS	2 OMP	3 METHOD	k	l	m	n	o	p	q
		01	TN	Decav			50	309	J							170		28.25	170	
		02	TN	Decav			50	309	J							419		28.25	419	
		03	TN	Decav			50	309	J							409		28.25	409	

26s. SHIPPER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED <i>John Doe</i> 09/30/02	27s. RECEIVER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED
---	--

27. RECEIVER'S DATA	LINE NO	TYPE OF INV. CHANGE	IDENTIFICATION (ITEMS/ATCH NAME)	NO OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMP. FACILITY CODE	OWNER CODE	KEY MEAS POINT	GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR
	04		Production			50	309	J				36000		28.25	22000	
	05		Production			50	309	J				70000		28.25	63000	

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

C-7 NUREG/BR-0006, Rev. 7

EXAMPLE 5: CORRECTION (Action Code M)

NUREG/BR-0006, Rev. 7

DOE/NRC FORM 741 (4-2005) Previous editions are obsolete MANDATORY DATA COLLECTION AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150, Public Laws 83-703, 93-438, 95-91	U.S. DEPARTMENT OF ENERGY AND U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0003 Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollect@nrc.gov , and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0003), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.
NUCLEAR MATERIAL TRANSACTION REPORT		

1 SHIPPER'S RIS XXX	2 RECEIVER'S RIS XXX	3 TRANSACTION NO 2	4 CORRECTION NO. 1	5 PROCESSING CODE a. SHIPPER A	b. RECEIVER	8 ACTION CODE a. SHIPPER M	b. RECEIVER	7 DOCUMENTATION (Only if document is classified SECRET) PAGE OF PAGES COPY OF COPIES SERIALS													
8 a. NAME AND ADDRESS OF SHIPPER		9 a. NAME AND ADDRESS OF RECEIVER		10 NO OF DATA LINES 5		11 NATURE OF TRANSACTION N		NO DISPOSITION OF COPIES													
12 a. SHIPPED FOR ACCOUNT OF		12 b. RIS		13 a. SHIPPED TO ACCOUNT OF		13 b. RIS															
c. ATTENTION		c. ATTENTION		4 TELEPHONE		4 TELEPHONE															
14. TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER						15 EXPORT OR IMPORT TRANSFERS LICENSE NO															
16. MATERIAL TYPE AND DESCRIPTION						17 LINE NUMBER		18 COUNTRY OF OBLIGATION		19 MATERIAL TYPE		20 OBLIGATED ELEMENT WEIGHT		21 OBLIGATED ISOTOPE WEIGHT For Enriched Uranium Only		22 ACTION DATE MONTH (MM) DAY (DD) YEAR (YYYY)					
23a MISCELLANEOUS b. CONCISE NOTE ATTACHED <input type="checkbox"/> c. UK REPORTABLE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO														a. SHIPMENT		03 31 2002					
																b. SHIPPER'S CORRECTION					
																		c. RECEIPT			
																		d. RECEIVER'S MEASUREMENT		03 31 2002	
						24. TOTAL GROSS WEIGHT		25. TOTAL VOLUME (Weigh Transfers Only)													

26. SHIPPER'S DATA	BACK REFERENCE NUMBER	LINE NO	TYPE OF INV. CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMP. FACILITY CODE	OWNER CODE	KEY MEAS. POINT	MEAS. IDENT.			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR
	a	b	c	d	e	f	g	h	i	j	1 BASIS	2 OMP	3 METHOD	k	l	m	n	o	p	q
	003	01	TN	Decav			50	309	J							-409		28.25	-409	
	103	02	TN	Decav			50	309	J							424		28.25	424	

26s. SHIPPER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED	27s. RECEIVER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED <i>Jane Smith 03/31/02</i>
---	--

27. RECEIVER'S DATA	BACK REFERENCE NUMBER	LINE NO	TYPE OF INV. CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMP. FACILITY CODE	OWNER CODE	KEY MEAS. POINT	MEAS. IDENT.			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR
	a	b	c	d	e	f	g	h	i	j	1 BASIS	2 OMP	3 METHOD	k	l	m	n	o	p	q
	004	03		Production			50	309	J							-36000		28.25	-22000	
	104	04		Production			50	309	J							29000		28.25	18000	
	000	05		Production			50	309	J							7000		28.25	4000	

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

C-8

EXAMPLE 6: INITIAL REPORT

DOE/NRC FORM 741

(4-2005) Previous editions are obsolete
MANDATORY DATA COLLECTION
AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 83-703, 93-438, 95-91

U.S. DEPARTMENT OF ENERGY
AND
U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0003

Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-3003), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

EXPIRES: 04/30/2008

NUCLEAR MATERIAL TRANSACTION REPORT

1 SHIPPER'S RIS XXX		2 RECEIVER'S RIS RYYY		3 TRANSACTION NO 200		4 CORRECTION NO		5 PROCESSING CODE		6 ACTION CODE		7 DOCUMENTATION (Only if document is classified SECRET)			
8 NAME AND ADDRESS OF SHIPPER		9 NAME AND ADDRESS OF RECEIVER		10 NO OF DATA LINES 1		11 NATURE OF TRANSACTION		12 SHIPPED FOR ACCOUNT OF		13 SHIPPED TO ACCOUNT OF		14		15	
16 MATERIAL TYPE AND DESCRIPTION		17 LINE NUMBER 01		18 COUNTRY OF OBLIGATION		19 MATERIAL TYPE		20 OBLIGATED ELEMENT WEIGHT		21 OBLIGATED ISOTOPE WEIGHT For Enriched Uranium Only		22 ACTION DATE		23	
23a MISCELLANEOUS		b CONCISE NOTE ATTACHED <input type="checkbox"/>		c UK REPORTABLE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		24 TOTAL GROSS WEIGHT		25 TOTAL VOLUME (Whole Transfer Only)		a SHIPMENT		b SHIPPER'S CORRECTION		c RECEIPT	
14 TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER		15 EXPORT OR IMPORT TRANSFERS, LICENSE NO XSNB-BB1		22 MONTH (MM)		22 DAY (DD)		22 YEAR (YYYY)		22		22		22	

26 SHIPPER'S DATA	BACK REFERENCE NUMBER	LINE NO	TYPE OF INV CHANGE	IDENTIFICATION (ITEM/ATCH NAME)	NO OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMP/ FACILITY CODE	OWNER CODE	KEY MEAS POINT	MEAS IDENT			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR
											1 BASIS	2 OMP	3 METHOD							
		01		Misc MTL	5		EG	291	J					15	11	5000	3	1.7080	85	1

26s. SHIPPER'S DATA										SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED <i>John Doe</i> 05/30/02									
27. RECEIVER'S DATA										SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED									

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

C-9

NUREG/BR-0006, Rev. 7

EXAMPLE 7: CORRECTION 1

DOE/NRC FORM 741
 (4-2005) Previous editions are obsolete
 MANDATORY DATA COLLECTION
 AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150,
 Public Laws 83-703, 93-438, 95-91

U.S. DEPARTMENT OF ENERGY
 AND
 U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0003
 EXPIRES: 04/30/2008
 Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0003), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

NUCLEAR MATERIAL TRANSACTION REPORT

1 SHIPPER'S RIS XXX	2 RECEIVER'S RIS RYYY	3 TRANSACTION NO 200	4 CORRECTION NO 1	5 PROCESSING CODE a SHIPPER A	b RECEIVER	6 ACTION CODE a SHIPPER C	b RECEIVER	7 DOCUMENTATION (Only if document is classified SECRET)
------------------------	--------------------------	-------------------------	----------------------	----------------------------------	------------	------------------------------	------------	---

8 NAME AND ADDRESS OF SHIPPER	9 NAME AND ADDRESS OF RECEIVER	10 NO OF DATA LINES 1	11 NATURE OF TRANSACTION	12 SHIPPED FOR ACCOUNT OF b RIS	13 SHIPPED TO ACCOUNT OF b RIS	14 TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER	15 EXPORT OR IMPORT TRANSFERS: LICENSE NO XSNB-BB1
-------------------------------	--------------------------------	--------------------------	--------------------------	------------------------------------	-----------------------------------	---	---

16 MATERIAL TYPE AND DESCRIPTION	17 LINE NUMBER	18 COUNTRY OF OBLIGATION	19 MATERIAL TYPE	20 OBLIGATED ELEMENT WEIGHT	21 OBLIGATED ISOTOPE WEIGHT For Enriched Uranium Only	22 ACTION DATE a SHIPMENT b SHIPPER'S CORRECTION c RECEIPT d RECEIVER'S MEASUREMENT e RECEIVER'S CORRECTION
----------------------------------	----------------	--------------------------	------------------	-----------------------------	--	--

23a MISCELLANEOUS

b CONCISE NOTE ATTACHED

c UK REPORTABLE? YES NO

24 TOTAL GROSS WEIGHT

25 TOTAL VOLUME (Water Transfers Only)

26. SHIPPER'S DATA	BACK REFERENCE NUMBER	LINE NO	TYPE OF INV CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMPL FACILITY CODE	OWNER CODE	KEY MEAS POINT	MEAS IDENT			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % (SOLO)	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR
	a	b	c	d	e	f	g	h	i	j	1 BASIS	2 OMP	3 METHOD	k	l	m	n	o	p	q
	001	01		Misc MTL	-5		EG	291	J							-5000	-3	1.7080	-85	-1

↑↑↑ 26s. SHIPPER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED: *John Doe 05/30/02* ↓↓↓ 27s. RECEIVER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED:

27. RECEIVER'S DATA																					
---------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

NUREG/BR-0006, Rev. 7

C-10

EXAMPLE 8: CORRECTION 2

DOE/NRC FORM 741

(4-2005) Previous editions are obsolete
 MANDATORY DATA COLLECTION
 AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150,
 Public Laws 83-703, 93-438, 95-91

U.S. DEPARTMENT OF ENERGY
 AND
 U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0003

EXPIRES: 04/30/2008

Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0003), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

NUCLEAR MATERIAL TRANSACTION REPORT

1 SHIPPER'S RIS XXX		2 RECEIVER'S RIS RYYY		3 TRANSACTION NO. 200		4 CORRECTION NO. 2		5 PROCESSING CODE a. SHIPPER A b. RECEIVER			6 ACTION CODE a. SHIPPER C b. RECEIVER			7 DOCUMENTATION (Only if document is classified SECRET)				
8 a. NAME AND ADDRESS OF SHIPPER		9 a. NAME AND ADDRESS OF RECEIVER		10 NO OF DATA LINES		11 NATURE OF TRANSACTION		12 a. SHIPPED FOR ACCOUNT OF		13 a. SHIPPED TO ACCOUNT OF		14. TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER		15 EXPORT OR IMPORT TRANSFERS LICENSE NO XSNM-A01				
16 MATERIAL TYPE AND DESCRIPTION		17 LINE NUMBER		18 COUNTRY OF OBLIGATION		19 MATERIAL TYPE		20 OBLIGATED ELEMENT WEIGHT		21 OBLIGATED ISOTOPE WEIGHT For Enriched Uranium Only		22 ACTION DATE		NO. COPIES		SERIES		
23a. MISCELLANEOUS		b. CONCISE NOTE ATTACHED <input type="checkbox"/>		c. UNREPORTABLE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		24 TOTAL GROSS WEIGHT		25 TOTAL VOLUME (Water Transfers Only)		26. SHIPPER'S DATA		27s. RECEIVER'S DATA		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		
26. SHIPPER'S DATA		26s. SHIPPER'S DATA		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		27s. RECEIVER'S DATA		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		
27. RECEIVER'S DATA		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED		

C-11

NUREG/BR-0006, Rev. 7

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

EXAMPLE 9: INITIAL REPORT (Foreign Obligations)

NUREG/BR-0006, Rev. 7

DOE/NRC FORM 741 (4-2005) Previous editions are obsolete MANDATORY DATA COLLECTION AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150, Public Laws 83-703, 93-438, 95-91	U.S. DEPARTMENT OF ENERGY AND U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0003 Expires: 04/30/2008 Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollect@nrc.gov , and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0003), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.
---	---	--

NUCLEAR MATERIAL TRANSACTION REPORT

1 SHIPPER'S RIS XXX	2 RECEIVER'S RIS YYY	3 TRANSACTION NO. 1	4 CORRECTION NO.	5 PROCESSING CODE a. SHIPPER A b. RECEIVER		6 ACTION CODE a. SHIPPER B b. RECEIVER A		7 DOCUMENTATION (Only if document is classified SECRET) PAGE OF PAGES COPY OF COPIES SERIES									
8 a. NAME AND ADDRESS OF SHIPPER		9 a. NAME AND ADDRESS OF RECEIVER		10 NO. OF DATA LINES		11 NATURE OF TRANSACTION		12 NO. OF COPIES		13 DISTRIBUTION OF COPIES							
14 TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER		15 EXPORT OR IMPORT TRANSFERS - LICENSE NO. XSNM-A01		16 MATERIAL TYPE AND DESCRIPTION		17 LINE NUMBER 1		18 COUNTRY OF OBLIGATION 31		19 MATERIAL TYPE 81		20 OBLIGATED ELEMENT WEIGHT 12008		21 OBLIGATED ISOTOPE WEIGHT <i>For Enriched Uranium Only</i>		22 ACTION DATE MONTH DAY YEAR 01 01 2002	
23a. MISCELLANEOUS		b. CONCISE NOTE ATTACHED <input type="checkbox"/>		c. UK REPORTABLE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		24 TOTAL GROSS WEIGHT		25 TOTAL VOLUME (Waste Transfers Only)		26 SHIPPER'S CORRECTION		27 RECEIVER'S CORRECTION		28 SHIPPER'S MEASUREMENT		29 RECEIVER'S MEASUREMENT	

26. SHIPPER'S DATA	BACK REFERENCE NUMBER	LINE NO.	TYPE OF INV. CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMP. FACILITY CODE	OWNER CODE	KEY MEAS POINT	MEAS. IDENT.			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR		
	a	b	c	d	e	f	g	h	i	j	1	2	3	k	l	m	n	o	p	q		
												BASIS	OMP	METHOD								
		01		Batch 1	1		81	032	J					15000	14000	12008						

↑↑↑ 26s. SHIPPER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED: *John Doe 01/01/02* ↓↓↓ 27s. RECEIVER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED:

27. RECEIVER'S DATA	BACK REFERENCE NUMBER	LINE NO.	TYPE OF INV. CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMP. FACILITY CODE	OWNER CODE	KEY MEAS POINT	MEAS. IDENT.			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR
		01		Batch 1			81	032	J					15000	14000	12008				

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

EXAMPLE 10: Receipt of WR Material with No Obligations

DOE/NRC FORM 741 (4-2005). Previous editions are obsolete MANDATORY DATA COLLECTION AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150, Public Laws 83-703, 93-438, 95-91	U.S. DEPARTMENT OF ENERGY AND U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0003 Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0003), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.	EXPIRES: 04/30/2008
NUCLEAR MATERIAL TRANSACTION REPORT			

1 SHIPPER'S RIS RYYY	2 RECEIVER'S RIS YYY	3 TRANSACTION NO. 1	4 CORRECTION NO.	5 PROCESSING CODE a SHIPPER A b RECEIVER A	6 ACTION CODE a SHIPPER A b RECEIVER B	7 DOCUMENTATION (Only if document is classified SECRET)	
8 a NAME AND ADDRESS OF SHIPPER		9 a NAME AND ADDRESS OF RECEIVER		10 NO OF DATA LINES 1		11 NATURE OF TRANSACTION	
b LICENSE NO.		b LICENSE NO.		12 a SHIPPED FOR ACCOUNT OF b RIS		13 a SHIPPED TO ACCOUNT OF b RIS	
c ATTENTION		c ATTENTION		d TELEPHONE		d TELEPHONE	

14 TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER	15 EXPORT OR IMPORT TRANSFERS LICENSE NO. IPNR-C01		
16. MATERIAL TYPE AND DESCRIPTION 23a MISCELLANEOUS b CONCISE NOTE ATTACHED <input type="checkbox"/> c IAK REPORTABLE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	17 LINE NUMBER: 1 18 COUNTRY OF OBLIGATION: WR 19 MATERIAL TYPE: EG 20 OBLIGATED ELEMENT WEIGHT: 1500000 21 OBLIGATED ISOIOPL WEIGHT (For Enriched Uranium Only): 74250		
	22 ACTION DATE a SHIPMENT: 01 01 2002 b SHIPPER'S CORRECTION c RECEIPT: 01 07 2001 d RECEIVER'S MEASUREMENT e RECEIVER'S CORRECTION		
24 TOTAL GROSS WEIGHT		25 TOTAL VOLUME (Waste Transfers Only)	

26. SHIPPER'S DATA	BACK REFERENCE NUMBER	LINE NO.	TYPE OF INV. CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMPL. FACILITY CODE	OWNER CODE	KEY MEAS. POINT	MEAS. IDENT.			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR
	a	b	c	d	e	f	g	h	i	j	1 BASIS	2 OMP	3 METHOD	k	l	m	n	o	p	q
		01		LU1234	1		EG	104	J					2000	1700	1500000		4.95	74250	

26s. SHIPPER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED <i>John Doe</i> 01/01/02	27s. RECEIVER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED <i>Jane Smith</i> 01/07/02
---	--

27. RECEIVER'S DATA	BACK REFERENCE NUMBER	LINE NO.	TYPE OF INV. CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMPL. FACILITY CODE	OWNER CODE	KEY MEAS. POINT	MEAS. IDENT.			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR
a	b	c	d	e	f	g	h	i	j	k	1 BASIS	2 OMP	3 METHOD	l	m	n	o	p	q	r
		01		LU1234	1		EG	104	J					2000	1700	1500000		4.95	74250	

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

C-13

NUREG/BR-0006, Rev. 7

EXAMPLE 11: Receipt of Source Material with Multiple Obligations

DOE/NRC FORM 741 (4-2005) Previous editions are obsolete MANDATORY DATA COLLECTION AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150, Public Laws 83-703, 93-438, 95-91	U.S. DEPARTMENT OF ENERGY AND U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0003 Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollect@nrc.gov , and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0003), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.
---	---	---

NUCLEAR MATERIAL TRANSACTION REPORT

1. SHIPPER'S RIS RYYY	2. RECEIVER'S RIS YLM	3. TRANSACTION NO. 2	4. CORRECTION NO.	5. PROCESSING CODE a. SHIPPER A b. RECEIVER A	6. ACTION CODE a. SHIPPER A b. RECEIVER B	7. DOCUMENTATION (Only if document is classified SECRET)
---------------------------------	---------------------------------	--------------------------------	-------------------	---	---	--

8. NAME AND ADDRESS OF SHIPPER 9. NAME AND ADDRESS OF RECEIVER 10. NO OF DATA LINES 3 11. NATURE OF TRANSACTION 12. SHIPPED FOR ACCOUNT OF 13. SHIPPED TO ACCOUNT OF 14. TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER 15. EXPORT OR IMPORT TRANSFERS LICENSE NO. IPMG-B07	NO. DISTRIBUTION OF COPIES 1 2 3 4 5 6 7 8 9 22. ACTION DATE a. SHIPMENT: 01 01 2007 b. SHIPPER'S CORRECTION c. RECEIPT: 01 10 2002 d. RECEIVER'S MEASUREMENT e. RECEIVER'S CORRECTION
---	---

23a. MISCELLANEOUS	b. CONCISE NOTE ATTACHED <input type="checkbox"/>	c. UK REPORTABLE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	24. TOTAL GROSS WEIGHT		25. TOTAL VOLUME (Waste Transfers Only)		
			17. LINE NUMBER	18. COUNTRY OF OBLIGATION	19. MATERIAL TYPE	20. OBLIGATED ELEMENT WEIGHT	21. OBLIGATED ISOTOPE WEIGHT For Enriched Uranium Only
			01	92	EG	2850000	123950
			02	33	EG	1500000	66000

26. SHIPPER'S DATA	BACK REFERENCE NUMBER	LINE NO.	TYPE OF INV. CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMPL. FACILITY CODE	OWNER CODE	KEY MEAS. POINT	MEAS. IDENT.			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR
											1. BASIS	2. OMP	3. METHOD							
		01		Batch 7	1		EG	100	J				2000	1700	1400000		4.40	61600		
		02		Batch 8	1		EG	100	J				2000	1700	1450000		4.30	62350		
		03		Batch 9	1		EG	100	J				2000	1700	1500000		4.40	66000		

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

NUREG/BR-0006, Rev. 7

C-14

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

APPENDIX D
GLOSSARY

GLOSSARY

1
2
3 *Accountability*—The determination of, and current record maintenance of, special nuclear material
4 (SNM) and source material quantities associated with transfers, measured discards, inventories,
5 and inventory differences that might result from theft, diversion, or other unidentified loss
6 mechanisms.

7
8 *Agreement State*—Any State of the U.S. with which NRC, or its predecessor, the Atomic Energy
9 Commission, has entered into an agreement under Section 274b of the Atomic Energy Act of
10 1954, as amended.

11
12 *Book Inventory*—The algebraic sum of the most recent physical inventory of the material balance
13 area and of all inventory changes that have occurred since the physical inventory was taken.

14
15 *Concise Note*—Additional nuclear material transaction, material balance, or inventory data
16 supplied, in free text format, by facilities engaged in the import and/or export of nuclear materials,
17 by facilities selected under the provisions of the Agreement between the United States of America
18 and the IAEA for the application of safeguards in the U.S./IAEA Safeguards Agreement, or by an
19 facility that would like to transmit any additional explanatory nuclear material information.

20 *EURATOM*—As of May 2004, an organization consisting of the following member countries:
21 Austria, Belgium, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary,
22 Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Slovak
23 Republic, Slovenia, Spain, Sweden, and the United Kingdom.

24
25 *Foreign obligated nuclear material*—Source material or special nuclear material which is subject to
26 the terms and conditions of an Agreement that the U.S. Government has entered into with another
27 government or group of governments.

28
29 *Highly enriched uranium (HEU)*—Uranium enriched to 20 percent or greater in the isotope
30 uranium-235.

31
32 *Holding Account*—Holding accounts are typically identified by four character reporting
33 identification symbols (RIS) ending in the letter "H" assigned by NRC. Also some enrichment
34 facilities have holding accounts identified by three character RISs beginning with the letter "V".
35 Regardless of the RIS, these accounts usually acquired inventory from the shipment of licensed
36 material from the primary RIS in use at the licensee. Typically these accounts have been used by
37 a small number of licensees for nuclear materials not expected to be immediately processed,
38 reprocessed, or disposed of. However the licensed nuclear materials in holding accounts are still
39 in the licensee's possession and must be included in inventories reported to NMMSS.

40
41 *Inventory difference (ID)*—The arithmetic difference between a book inventory and the
42 corresponding physical inventory that closes the material balance period. It is calculated by
43 subtracting the ending inventory (EI) and removals from inventory (R) from the beginning inventory
44 (BI) and additions to inventory (A) during the period between physical inventories. Mathematically
45 ID can be expressed as:

$$46 \quad ID = (BI + A - R) - EI$$

47
48
49 where (BI + A - R) is the book inventory.

50
51 *Inventory reconciliation*—The adjustment of the book record quantity of both elements and fissile
52 isotopes to reflect the results of a physical inventory. In a broad sense, inventory reconciliation
53 involves the activities of calculating (1) the ID for the material balance period in question, (2) the

1 uncertainty value associated with the ID, (3) the active inventory for the period, and (4) any bias
2 adjustment and/or prior period adjustment associated with the ID value.

3
4 *Low-enriched uranium (LEU)*—Uranium enriched below 20 percent in the isotope uranium-235.

5
6 *Material balance period*—The time span to which a material or physical inventory pertains.

7
8 *Nuclear Materials Management and Safeguards System (NMMSS)*—The national database and
9 information system for select nuclear materials controlled by the U.S. Government. This system
10 was created to support national safeguards and management objectives in domestic and
11 international programs. The system stores data on nuclear material transactions and inventories,
12 and produces a wide range of printed reports for use by DOE and NRC and those the licensees
13 they regulate. The system is used to satisfy the nuclear materials information requirements of
14 agreements between the U.S. and foreign entities. In addition, the system provides the reporting
15 interface between facilities selected under the provisions of the U.S./IAEA Safeguards Agreement.

16
17 *Physical inventory*—A physical determination of the quantity of nuclear material on hand at a given
18 time. The methods of physical inventory and the associated measurements vary, depending on
19 the material to be inventoried and the process involved. A book inventory between physical
20 inventory takings can be determined based on the physical inventory quantity from the prior period
21 together with all subsequent inventory changes associated with the determination of that book
22 inventory. The primary purpose of a physical inventory is to confirm the absence of (or to detect) a
23 loss, theft, or diversion of SNM.

24
25 *Report Period*--The report period is inclusive of defined dates (i.e., Oct. 01, 2005 through Sept. 30,
26 2006.) Reports for a reporting period, such as inventory, material balance, and related
27 transactions reports must assure that there are not any undocumented dates between the
28 previous and current submittals.

29
30 *Reporting identification symbol (RIS)*—A unique combination of three or four letters which is
31 assigned to each reporting organization by the Department of Energy or the NRC for the purpose
32 of identification in the NMMSS database.

33
34 *Shipper-receiver difference (SRD)*—The difference between what a shipper claims was contained
35 in a shipment of SNM and what the receiver claims was received, where both the shipper's and
36 receiver's values are based on measurement.

37
38 *Source material*—Uranium or thorium, or any combination thereof, in any physical or chemical
39 form; or ores that contain by weight one-twentieth of 1 percent (0.05%) or more of uranium,
40 thorium, or any combination thereof. Source material includes depleted uranium and natural
41 uranium, but not special nuclear material.

42
43 *Special nuclear material (SNM)*—Plutonium, uranium-233, and uranium enriched in the isotope
44 233 or 235; any other material that the NRC, pursuant to the provisions of Section 51 of the
45 Atomic Energy Act of 1954 (as amended) determines to be SNM; and any material artificially
46 enriched with any of the foregoing materials, but not source material.

47
48 U.S. Government owned—Government owned nuclear material is material that, while used by a
49 licensee as part of their activities, is actually an asset owned by a federal government agency
50 such as DOE. These materials may be bulk materials, discrete radiation sources, or finished
51 products. Such materials may represent a lease or loan arrangement with a government agency.
52 Government owned materials are typically represented by a "G" owner code on shipping
53 information (ie. DOE/NRC Form 741) and inventory documentation (DOE/NRC 742 and 742C).
54 One way a licensee can make a determination that nuclear material in their possession is
55 government owned, is to review the licensee's DOE/NRC Form 741 form documentation listing the

original receipt of the material. If such material is government owned, it will have a "G" owner code entered on the licensee's portion of the form.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50



1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

APPENDIX E

**DOE/NRC FORM 740M, "CONCISE NOTE" (BLANK), AND
DOE/NRC FORM 741, "NUCLEAR MATERIAL TRANSACTION REPORT" (BLANK)**



DOE/NRC FORM 740M

(4-2005)

MANDATORY DATA COLLECTION

AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150,

Public Laws 83-703, 93-438, 95-91

U.S. DEPARTMENT OF ENERGY
AND
U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0057

EXPIRES: 04/30/2008

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This information is required to satisfy the provisions of the US/IAEA Safeguards Agreement. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0057), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

CONCISE NOTE

1. NAME			2. ATTACHMENT TO: <input type="checkbox"/> A. DOE/NRC 741 <input type="checkbox"/> B. DOE/NRC 742 <input type="checkbox"/> C. DOE/NRC 742C				3. RIS		4. REPORTING PERIOD					
STREET ADDRESS			5. TRANSACTION DATA						FROM		TO			
CITY			STATE		ZIP CODE		A. SHIPPER'S RIS	B. RECEIVER'S RIS	C. TRANSACTION NUMBER	D. CORR. NUMBER	E. PC	F. AC	6. REPORTING DATE	
7A. LINE NO.	7B. ENTRY REFERENCE	7C. TEXT OF CONCISE NOTE												

To the best of my knowledge and belief, the information given above and in any attached schedules is true, complete, and correct.

8. SIGNATURE (See instructions [NUREG/BR-0006] for provisions regarding confidentiality)

9. TITLE

10. DATE

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

NUREG/BR-0006, Rev. 7

DOE/NRC FORM 741

(4-2005) Previous editions are obsolete
MANDATORY DATA COLLECTION
AUTHORIZED BY 10 CFR 30, 40, 50, 70, 72, 74, 75, 150,
Public Laws 83-703, 93-438, 95-91

**U.S. DEPARTMENT OF ENERGY
AND
U.S. NUCLEAR REGULATORY COMMISSION**

APPROVED BY OMB: NO. 3150-0003

EXPIRES: 04/30/2008
Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Records and FOIA Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0003), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

NUCLEAR MATERIAL TRANSACTION REPORT

1. SHIPPER'S RIS	2. RECEIVER'S RIS	3. TRANSACTION NO	4. CORRECTION NO	5. PROCESSING CODE	6. ACTION CODE	7. DOCUMENTATION (Only if document is classified SECRET)								
				a. SHIPPER	b. RECEIVER	a. SHIPPER	b. RECEIVER	PAGE	OF	PAGES	COPY	OF	COPIES	SERIES

8 a. NAME AND ADDRESS OF SHIPPER	b. LICENSE NO.	9 a. NAME AND ADDRESS OF RECEIVER	b. LICENSE NO.	10. NO OF DATA LINES	11. NATURE OF TRANSACTION	NO.	DISTRIBUTION OF COPIES
				12 a. SHIPPED FOR ACCOUNT OF	b. RIS	13 a. SHIPPED TO ACCOUNT OF	b. RIS
c. ATTENTION:		c. ATTENTION:				1	
d. TELEPHONE:		d. TELEPHONE:				2	
						3	
						4	
						5	
						6	
						7	

14. TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER	15. EXPORT OR IMPORT TRANSFERS: LICENSE NO
--	--

16. MATERIAL TYPE AND DESCRIPTION	17. LINE NUMBER	18. COUNTRY OF OBLIGATION	19. MATERIAL TYPE	20. OBLIGATED ELEMENT WEIGHT	21. OBLIGATED ISOTOPE WEIGHT <small>For Enriched Uranium Only</small>	22. ACTION DATE	MONTH (MM)	DAY (DD)	YEAR (YYYY)
						a. SHIPMENT			
						b. SHIPPER'S CORRECTION			
						c. RECEIPT			
						d. RECEIVER'S MEASUREMENT			
						e. RECEIVER'S CORRECTION			

23a. MISCELLANEOUS	b. CONCISE NOTE ATTACHED <input type="checkbox"/>	c. UK REPORTABLE? <input type="checkbox"/> YES <input type="checkbox"/> NO
	24. TOTAL GROSS WEIGHT	25. TOTAL VOLUME (Waste Transfers Only)

26. SHIPPER'S DATA	BACK REFERENCE NUMBER	LINE NO.	TYPE OF INV. CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMPL. FACILITY CODE	OWNER CODE	KEY MEAS. POINT	MEAS. IDENT.			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR	
											k.										
											1 BASIS	2 OMP	3 METHOD								
a.	b.	c.	d.	e.	f.	g.	h.	i.	j.					l.	m.	n.	o.	p.	q.	r.	

↑ ↑ ↑ 26s. SHIPPER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED	↓ ↓ ↓ 27s. RECEIVER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED
---	--

27. RECEIVER'S DATA	BACK REFERENCE NUMBER	LINE NO.	TYPE OF INV. CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO. OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMPL. FACILITY CODE	OWNER CODE	KEY MEAS. POINT	MEAS. IDENT.			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR	

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

E-2

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52

APPENDIX F

SUPPLEMENTAL INSTRUCTIONS FOR COMPLETING

BLOCKS 17, 18, 19, 20, AND 21 ON DOE/NRC FORM 741



**SUPPLEMENTAL INSTRUCTIONS FOR COMPLETING
BLOCKS 17, 18, 19, 20, AND 21 ON DOE/NRC FORM 741**

1
2
3
4 **1. INTRODUCTION**

5
6 Special procedures must be used to implement some of the reporting requirements of the U.S.
7 Bilateral Agreements for Peaceful Nuclear Cooperation. These Agreements for Cooperation are
8 one means to satisfy Section 123 of the Atomic Energy Act of 1954 and allow the U.S. nuclear
9 industry to trade with foreign countries/entities. The Agreements require that the U.S. track and
10 report foreign-obligated nuclear materials and nuclear material produced from obligated material
11 from these countries/entities. A foreign obligation is a commitment by one government to another
12 to treat nuclear materials, nonnuclear materials, and equipment and components in a manner
13 consistent with the Agreement signed between the two governments.

14
15 In addition to these Agreements for Cooperation, the U.S. is also required (pursuant to the
16 U.S./Russian Agreement concerning the disposition of HEU extracted from nuclear weapons), to
17 track and report to Russia the imports, exports, and use of Former Soviet Union down-blended
18 highly enriched uranium. Although not a U.S. Bilateral Agreement for Peaceful Nuclear
19 Cooperation, this Agreement contains similar reporting requirements and will be tracked as such.
20 Facilities that are importers and/or exporters of nuclear material should also comply with the
21 Agreement.

22
23 NOTE: The exchange of obligations can only occur between like materials (i.e. MT-10, 50, 70, 81,
24 E-1, E-2, E-3, or E-4) within the following constraints:

- 25
26 • No exchange of material from one material type to another is allowed unless the
27 U.S. Government provides written prior approval. For example, downblending of E-
28 3 enriched uranium that results in a lower category, i.e. E-3 of obligated material to
29 become E-1 material, requires written prior approval of the U.S. Government
30 • The obligated material must be exchanged for similar material unless the U.S.
31 Government provides written prior approval. For example, non-irradiated material
32 may not be swapped for irradiated nuclear material unless the U.S. Government
33 provides written prior approval.
34 • Obligation exchanges involving a NRC licensee and a DOE entity requires the
35 NRC's written prior approval.
36 • Obligation exchanges between two parties must be for the same material
37 quantities. Additionally, the obligations exchanged must match (i.e. the obligation
38 "shipped or removed" by one participant is "received or added" by the second party
39 to the transaction).

40
41 **2. IMPORTS**

42
43 For U.S. facilities importing nuclear material with foreign obligations, the relevant obligation
44 information will be supplied by the appropriate Government agency. The notification will provide
45 the information necessary to complete blocks 17 through 21, if applicable.

- 46
47 a. For imports, the foreign obligation information can be (1) the country/entity from
48 which the nuclear material was shipped and/or (2) the country/entity attaching
49 "third-party obligations." In most cases, for imports from a country that has made
50 the entire shipment subject to the Agreement, the total import quantity will be
51 obligated. If only a portion of the shipment is subject to an Agreement (third-party
52 obligation), that amount will be clearly specified on the documentation.

b. The Government notification will supply the following information for the completion of blocks 17- 21: (1) the country/entity of obligation, (2) the material type, and (3) the amount obligated. See Table 1 below for country/entity codes. See Table 2 below for reportable obligated material types and quantities.

Table 1

<u>Obligation Code</u>	<u>Country/Entity</u>
31	Australia
32	Canada
33	EURATOM
34	Japan
35	People's Republic of China
37	Switzerland
38	Argentina
39	Brazil
40	Chile
81	Australia/Japan
82	Canada/Japan
83	Euratom/Japan
84	Australia/Euratom/Japan
85	Canada/Euratom/Japan
86	China/Japan
87	Australia/Canada
88	Australia/Euratom/Canada
91	Australia and EURATOM
92	Canada and EURATOM
WR	Former Soviet Union Weapons

NOTE: For any other obligation codes, contact the NMMSS for further instructions.

Table 2

Reportable Material Types (MTs) and Source and Special Nuclear Material

<u>Type</u>	<u>Domestic Code</u>
Normal uranium	MT 81
Depleted uranium	MT 10
Thorium	MT 88
Plutonium	MT 50
enriched uranium	MT 20
Uranium ²³³	MT 70

1 c. Completion of Obligation Information

2
3 Block 17: LINE NUMBER - The shipper will enter a sequential number beginning with the
4 number 1 for each obligated country or material. If there is more than one separate
5 obligation or more than one obligated material type, enter the appropriate numbers in the
6 subsequent lines.

7
8 Block 18: COUNTRY OF OBLIGATION - For each line enter the code in Table 1 that
9 represents the country/entity of obligation.

10
11 Block 19: MATERIAL TYPE - For each line enter the domestic code in Table 2 that
12 represents the material obligated.

13
14 Block 20: OBLIGATED ELEMENT WEIGHT - For each line enter the weight obligated in
15 the reportable quantity specified in Table 2. Positive or negative values should be entered
16 to appropriately account for material addition or removal, respectively.

17
18 Block 21: OBLIGATED ISOTOPE WEIGHT (For Enriched Uranium Only) - For each line of
19 enriched uranium, enter the obligated isotope weight in grams. (Obligated U²³⁵ is restricted
20 to uranium enriched to 5 percent or less, unless higher enrichment is authorized or
21 approved by the U.S. GOVT.) Positive or negative values should be entered to
22 appropriately account for material addition or removal, respectively.

23
24 3. DOMESTIC TRANSFERS, INTERNAL TRANSACTIONS, AND EXPORTS

25
26 For U.S. facilities shipping or exporting material with foreign obligations, or for the reporting
27 of onsite gains and losses, the obligations on the material must be stated as such in blocks
28 17-21.

- 29
30 a. For domestic transfers, blocks 17 through 21 are filled out as for imports (Section 2
31 above). However, the obligation information will not be supplied by a government
32 notification. The U.S. shipper will assign the appropriate obligations on the
33 material, if any, and complete the line number, country/entity of obligation, material
34 type, and obligated weight, if applicable. The U.S. receiver will complete the
35 matching obligation information as assigned by the shipper.
- 36
37 b. For internal transactions (i.e., burnup, decay, production, measured discards,
38 accidental losses or gains, category changes, fission and transmutation, inventory
39 differences, etc.), enter the line number, country/entity of obligation, material type,
40 and obligated weights, if applicable, for the material.
- 41
42 c. For exports, the U.S. shipper will complete both the shipper's and receiver's
43 DOE/NRC Form 741. If the U.S. shipper is exporting foreign obligated material, the
44 U.S. shipper will complete blocks 17 through 21 for each obligated country/entity or
45 material exported.
- 46
47
48



NRC FORM 335 (9-2004) NRCMD 3.7		U.S. NUCLEAR REGULATORY COMMISSION		1. REPORT NUMBER (Assigned by NRC, Add Vol., Supp., Rev., and Addendum Numbers, if any.) NUREG/BR-0006 Rev 7					
BIBLIOGRAPHIC DATA SHEET <i>(See instructions on the reverse)</i>									
2. TITLE AND SUBTITLE Instructions for Completing Nuclear Material Transaction Reports Draft Report for Comment			3. DATE REPORT PUBLISHED <table border="1"> <tr> <td>MONTH</td> <td>YEAR</td> </tr> <tr> <td>March</td> <td>2007</td> </tr> </table>			MONTH	YEAR	March	2007
MONTH	YEAR								
March	2007								
5. AUTHOR(S) Brian G. Horn, NMSS Chris Graves, NSIR			4. FIN OR GRANT NUMBER 6. TYPE OF REPORT 7. PERIOD COVERED <i>(Inclusive Dates)</i>						
8. PERFORMING ORGANIZATION - NAME AND ADDRESS <i>(If NRC, provide Division, Office or Region, U.S. Nuclear Regulatory Commission, and mailing address; if contractor, provide name and mailing address.)</i> Division of Fuel Cycle Safety and Safeguards Office of Nuclear Material Safety and Safeguards U.S. Nuclear Regulatory Commission Washington, DC 20555-0001									
9. SPONSORING ORGANIZATION - NAME AND ADDRESS <i>(If NRC, type "Same as above"; if contractor, provide NRC Division, Office or Region, U.S. Nuclear Regulatory Commission, and mailing address.)</i> Same as above									
10. SUPPLEMENTARY NOTES									
11. ABSTRACT <i>(200 words or less)</i> NRC regulations require licensees who ship, receive, or adjust their physical inventory of source or special nuclear material to document and report such activities. The reports are submitted using the DOE/NRC Form 741. Licensees may need to provide additional information on some imports or exports of source or special nuclear material. The additional information is reported using DOE/NRC Form 740M. This NUREG contains instructions for preparing these forms.									
12. KEY WORDS/DESCRIPTORS <i>(List words or phrases that will assist researchers in locating the report.)</i> Nuclear Materials Management and Safeguards System NMMSS Material Status Report Physical Inventory Listing DOE/NRC Form 742 DOE/NRC Form 742C				13. AVAILABILITY STATEMENT unlimited					
				14. SECURITY CLASSIFICATION <i>(This Page)</i> unclassified					
				<i>(This Report)</i> unclassified					
				15. NUMBER OF PAGES					
				16. PRICE					



Federal Recycling Program

NUREG/BR-0006, Rev. 7
DRAFT

**INSTRUCTIONS FOR COMPLETING NUCLEAR
MATERIAL TRANSACTION REPORTS**

MARCH 2007

**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, DC 20555-0001

OFFICIAL BUSINESS