Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

June 14, 2010

CERTIFIED MAIL

Mr. Tom Clements
Friends of the Earth
1112 Florence Street
Columbia, South Carolina 29201

Dear Mr. Clements:

FREEDOM OF INFORMATION ACT REQUEST (FOI 2009-0059)

In reference to your request dated July 11, 2009, you requested the following information:

1. "Documents related to the last shipment of U.S. non-pit surplus weapons-grade plutonium from DOE's Hanford Site in Washington State to the Savannah River Site."

2. "Documents related to the arrival and storage at SRS of the last shipment of non-pit plutonium from Hanford."

3. "Documents reflecting the quantity of the overall amount and number of containers of non-pit plutonium shipped from Hanford and received at SRS, including the amount in this last shipment and the number of containers."

4. "Documents on the shipment from Hanford and receipt at SRS of the first shipment of Fast Flux Test Facility (FFTF) unirradiated fuel. This request covers any nonconformance reports (NCRs) and any Authorization to Ship Request forms."

5. "A representative sample of photos, in electronic form, of: a) the truck(s) involved in the shipment on the non-pit plutonium, b) non-pit plutonium shipping containers and storage in K-Area of those containers and c) photos of the FFTF cask(s) and transport vehicle(s)."

This office provided you with a partial response on September 2, 2009, and notified you the remaining document you requested required consultation with other DOE offices and would notify you as soon as the review was complete.

The following documents are enclosed with deletions pursuant to Exemptions 1 and 2 of the FOIA.

Doc #	Title	Item of Request Document is Responsive to
HNF2009-00075	Hanford Authorization to Ship Request Twenty-Five (U)	1, 3
HNF2009-00078	Hanford Request to Ship Nuclear Material Twenty-Five (U)	1,3
HNF2009-00149	Revised Hanford Authorization to Ship Request Twenty-Five (U)	1,3
HNF2009-00154	Hanford Final Transportation Service Request (TSR) Twenty-Five (U)	1,3
HNF2009-00156	Hanford Advance Manifest Twenty-Five (U)	1,3
HNF2009-00162	HTC-DZA-25-1 Shipment (U)	1,3
HNF2009-00163	HTC-DZA-25-2 Shipment (U)	1,3
HNF2009-00160	Hanford Notational Transportation Shipping Request (TSR) Twenty-Six (U)	4
HNF2009-00010	Hanford Request to Ship Nuclear Material Twenty-Six (U)	4
HNF2009-00012	Revised Hanford Authorization to Ship Request Twenty-Six (U)	4
HNF2009-00016	Hanford Final Transportation Service Request (TSR) Twenty-Six (U)	4
HNF2009-00072	Hanford Advance Manifest Twenty-Six (U)	4
HNF2009-00167	HTC-DZA-26 Shipment (U)	4
HNF2009-00178	HTC-DZA-26 Shipment correction to Doc# HNF2009-00167 (U)	4

Exemption 1 provides that an agency may exempt from disclosure matters that are "(A) specifically authorized under criteria established by an Executive order to be kept secret in the interest of national defense or foreign policy and (B) are in fact properly classified pursuant to such Executive order." The portions deleted concern shipments of special nuclear materials and are classified under Executive Order 13526, Classified National Security Information, December 29, 2009. It has been determined that release of the deleted information could reasonably be expected to cause damage to national security.

Exemption 2 protects information on matters that are "related solely to the internal personnel rules and practices of an agency." This Exemption has been interpreted to encompass two categories of information that may be protected from disclosure. One of the categories is information of "more substantial internal matters, the disclosure of which would risk circumvention of a legal requirement." Information within this category would principally be of use to persons seeking to violate the law and avoid detection. Information of this nature is referred to as "High 2" information.

The High 2 information that has been deleted from the documents could provide potentially sensitive insight into the sensitive operations of shipments of special nuclear materials. If this information was released, it could be used to educate terrorists (and other individuals or entities seeking to harm the national security) about the sensitive operations of shipments. For this reason, the information has been deleted.

No other documents were located. This letter completes our response to your request. The undersigned individual is responsible for this determination. You have the right to appeal to the Office of Hearings and Appeals, as provided in 10 CFR 1004.8, for any information denied to you or for the adequacy of our search. Any such appeal shall be made in writing to the following address: Director, Office of Hearings and Appeals (HG-1), L'Enfant Plaza Building, U.S. Department of Energy, 1000 Independence Avenue SW, Washington, D.C. 20585-1615, and shall be filed within 30 days after receipt of this letter. Should you choose to appeal, please provide this office with a copy of your letter.

If you have any questions regarding your request, please contact me at our address above or on (509) 376-6288.

Sincerely,

Dorothy Riehle
Freedom of Information Act Officer
Office of Communications
and External Affairs

OCE:DCR

Enclosures

CLASSIFICATION [redacted]	Number HNF2009-00075
Company Fluor Hanford Inc.	This document consists of 13 pages.
Address P.O. Box 1111, Richland, WA 99352	
Title HANFORD AUTHORIZATION TO SHIP REQUEST TWENTY-FIVE (U)	Document Date 3/11/09
Author G.M. Clark Department CHPRC PF? De-Inventory Project	RECEIVED/PROCESSED APR 12 2010 CLASSIFIED DOCUMENT CONTROL
Circu[redacted] Restrictions All contents [redacted] the tabl[redacted] classified CNSI[redacted]ed otherwise.	RIDS Code ADM 18.57A

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Internal Distribution	External Distribution
CDC	Elizabeth R. Hackney, SRNS, SRS Site w/disk
Gerry Griffin	John Silko, DOE-RL
Greg Clark	

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1st Review-Date: 9/16/09
Authority: ☐ AOC ☒ ADC ☐ ADD
Name: Gary B. Hulse
2nd Review-Date: 9/16/09
Authority: CG-SS-4 Chg 1 9/2000 DOE
Name: DEAN SCOTT
Determination: Circle Number(s)
(1) Classification Retained – Classified removed
2. Classification Changed To Declassified with Deletions
3. Contains No DOE Classified Info
4. Coordinate With:
(5) Classification Cancelled
(6) Classified Info Bracketed — Removed
7. Other (Specify)

Redaction by J.D. Briggs, DD 4/8/2010 NAVARRO RESEARCH & ENGR

CLASSIFIER: T.J. Venetz/S.J. Venz DATE: 3/10/09
WORK TITLE: Principal Engineer
DERIVED FROM: CG-TSG-3 Rev 1 Chg 1 9/99 DOE/OC
Guide Date
Declassify On: 25X2[EV] When declassified by NNSA

REVIEW FOR RESTRICTED [redacted]
REQU[redacted]
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per P.L. 104-106, sec[redacted]55.

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A-6001-972 (REV 1)

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Statement of Compliance for Shipment HTC-DZA-25

3013 Containers

The 3013 has been packaged in compliance with DOE-STD-3013 and G-ESR-G-00035 Rev. 1.
The 3013 heat load will not exceed 19 watts for the 50 year storage life as per DOE-STD-3013.
The inner can and outer can were packaged and inerted to contain less than 5% O2 by volume.

9975 Packaging

Each 9975 Packaging Contents are compliant with both S-SARP-G-00001, Rev 0, Addendum 1 (Tables 1.1 & 1.2) & S-SARP-G-00003 Rev 0
Each 9975-96 has been packaged in accordance with S-SARP-G-00003, Rev 2, and
each 9975-85 has been packaged in accordance with WSRC-SA-2002-00008 Revision 0 and include:

Explanatory Notes:
Cal = Gamma Spectroscopy + Calorimetry
PSMC = Gamma Spectroscopy + PSMC
3013 Configuration Drawing Number = PUSPS-030 Rev.0
Drawing Numbers = R-R2-F-0026 Rev 2 for 9975-85 and R-R2-F-0026 Rev 4 for 9975-96
All 3013s are designated RESTRICTED USE per December 20, 1994 DOE Secretarial Directive
Prohibits Use of Pu239 & HEU from EM Stab/Cleanout for Nuclear Explosive Purposes

Each over pack drum lid has been closed with 24 bolts and tightened to 30ft-lbs. plus or minus 2ft-lbs. of torque. Bolts used for closing each lid are the same as those removed from the drum body and segregated specifically for closure.
The foil impact absorbers have been placed above and below the PCV within the SCV cavity
The shipping package contains an insulation assembly that includes a load bearing plate and a ceramic fiber blanket filler pad between the top insulation subassembly and the overpack drum lid.
A 3013 Outer Container has been placed inside the PCV along with aluminum spacers.
The PCV and SCV contain two Viton GLT fluorelastomer O-rings (or equivalent) greased with high vacuum silicone grease placed in the grooves of the vessel's cone joint to form a leaktight seal.
The PCV gland nut has been tightened to 30 (+5.0/-0.0) ft-lbs. of torque and the cone seal nut has been tightened to 50 (+5.0/-0.0) ft-lbs. of torque. The scribed radial lines across the top of the cone nut and the top of the PCV body have been verified to be in alignment within one (1) inch.
The SCV gland nut has been tightened to 30 (+5.0/-0.0) ft-lbs. of torque and the cone seal nut has been tightened to 100 (+5.0/-0.0) ft-lbs. of torque. The scribed radial lines across the top of the cone nut and the top of the SCV body have been verified to be in alignment within one (1) inch.
The shipper has verified the PCV and SCV used for shipment have satisfactorily passed the SARP-required leak test performed using a test method in accordance with ANSI N14.5 indicating leakage less than 10-7 ref cm3/sec air.
The shipper has verified a postloading leakage test has been performed on the PCV and SCV using a test method in accordance with ANSI N14.5 indicating leakage less than 10-3 ref cm3/sec air.
For oxide material, the PCV gas space has been diluted with at least 75 volume % CO2.
For each loaded 9975, there is less than or equal to 100 grams of plastic inside of the PCV.
For each 3013 container of oxide, the convenience, inner, and outer cans were helium inerted and packaged to contain an atmosphere of <5% O_2 by volume.

Initiated: T. J. Venetz Date 3/11/2009
Ted Venetz, 3013 Design Authority

Verified: Date 3/11/09
Rick Wilbanks, Manager, SNM Management and De-Inventory

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Hanford Measurement Data: Nuclear Materials Mass and Relative Uncertainty Values, including Uranium are derived directly from Analytical Laboratory Measurements and are not modified to account for radiological decay or other factors. Refer to LanMas and DOE form 741 for accountability values which will be transmitted seperately by contractor Safeguards.

Hanford 9975 NCR-07-PFP-006 Drum rolling hoop dispositions all listed 9975s as "Accept As Is".

Note: LanMas gram values are added for SARP compliance limit comparisons.

MOX Oxide Feed Compliance column entries are preliminary and were determined by WSRC personnel.

* Listed 9975 Serial Numbers sequenced in this document do not reflect loading order; refer to ZAP-000-049 documentation accompanying each truck for specific load sequence.

** Hanford TID Serial Numbers listed are at time of 9975 packaging; refer to MC&A LanMas Data (form 741) for TID Serial Numbers at time of Shipping.

NOTE: Changes to this document will be through the page change process required by Hanford Classified Document Control (CDC).

For 9975 Shipping Packages with serial numbers 06001 - 06511 in Hanford ATS #24, the Gland Nut has been measured or verified to be below the top surface of the Cone-Seal Plug for both the PCV and SCV.

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Statements of Compliance for Shipment HTC-DZA-25

3013 Containers

The 3013 has been packaged in compliance with DOE-STD-3013 and G-ESR-G-00035 Rev. 1.
The 3013 heat load will not exceed 19 watts for the 50 year storage life as per DOE-STD-3013.
The inner can and outer can were packaged and inerted to contain less than 5% O2 by volume.

9975 Packaging

Each 9975 Packaging Contents are compliant with both S-SARA-G-00001, Rev 0, Addendum 1 (Tables 1.1 & 1.2) & S-SARP-G-00003 Rev 0
Each 9975-96 has been packaged in accordance with S-SARP-G-00003, Rev 0, and

Explanatory Notes:
Cal = Gamma Spectroscopy + Calorimetry
PSMC = Gamma Spectroscopy + PSMC
3013 Configuration Drawing Number = PUSPS-030 Rev.0
Drawing Numbers = R-R2-F-0026 Rev 2 for 9975-85 and R-R2-F-0026 Rev 4 for 9975-96
All 3013s are designated RESTRICTED USE per December 20, 1994 DOE Secretarial Directive
Prohibits Use of Pu239 & HEU from EM Stab/Cleanout for Nuclear Explosive Purposes

each 9975-85 has been packaged in accordance with WSRC-SA-2002-00008 Revision 0 and include:
Each over pack drum lid has been closed with 24 bolts and tightened to 30ft-lbs. plus or minus 2ft-lbs. of torque. Bolts used for closing each lid are the same as those removed from the drum body and segregated specifically for closure.
The foil impact absorbers have been placed above and below the PCV within the SCV cavity
The shipping package contains an insulation assembly that includes a load bearing plate and a ceramic fiber blanket filler pad between the top insulation subassembly and the overpack drum lid.
A 3013 Outer Container has been placed inside the PCV along with aluminum spacers.
The PCV and SCV contain two Viton GLT fluorelastomer O-rings (or equivalent) greased with high vacuum silicone grease placed in the grooves of the vessel's cone joint to form a leaktight seal.
The PCV gland nut has been tightened to 30 (+5.0/-0.0) ft-lbs. of torque and the cone seal nut has been tightened to 50 (+5.0/-0.0) ft-lbs of torque. The scribed radial lines across the top of the cone nut and the top of the PCV body have been verified to be in alignment within one (1) inch.
The SCV gland nut has been tightened to 30 (+5.0/-0.0) ft-lbs. of torque and the cone seal nut has been tightened to 100 (+5.0/-0.0) ft-lbs. of torque. The scribed radial lines across the top of the cone nut and the top of the SCV body have been verified to be in alignment within one (1) inch.
The shipper has verified the PCV and SCV used for shipment have satisfactorily passed the SARP-required leak test performed using a test method in accordance with ANSI N14.5 indicating leakage less than 10-7 ref cm3/sec air.
The shipper has verified a postloading leakage test has been performed on the PCV and SCV using a test method in accordance with ANSI N14.5 indicating leakage less than 10-3 ref cm3/sec air.
For oxide material, the PCV gas space has been diluted with at least 75 volume % CO2.
For each loaded 9975, there is less than or equal to 100 grams of plastic inside of the PCV.
For each 3013 container of oxide, the convenience, inner, and outer cans were helium inerted and packaged to contain an atmosphere of <5% O_2 by volume.

Initiated: T.J. Venetz / T.J. Venetz Date 3/11/2009
Ted Venetz, 3013 Design Authority

Verified: Rick Wilbanks Date 3/11/09
Rick Wilbanks, Manager, SNM Management and De-Inventory

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Hanford Measurement Data: Nuclear Materials Mass and Relative Uncertainty Values, including Uranium are derived directly from Analytical Laboratory Measurements and are not modified to account for radiological decay or other factors. Refer to LanMas and DOE form 741 for accountability values which will be transmitted seperately bv contractor Safeguards.

Hanford 9975 NCR-07-PFP-006 Drum rolling hoop dispositions all listed 9975s as "Accept As Is".

Note: LanMas gram values are added for SARP compliance limit comparisons.

MOX Oxide Feed Compliance column entries are preliminary and were determined by WSRC personnel.

* Listed 9975 Serial Numbers sequenced in this document do not reflect loading order; refer to ZAP-000-049 documentation accompanying each truck for specific load sequence.

** Hanford TID Serial Numbers listed are at time of 9975 packaging; refer to MC&A LanMas Data (form 741) for TID Serial Numbers at time of Shipping.

NOTE: Changes to this document will be through the page change process required by Hanford Classified Document Control (CDC).

For 9975 Shipping Packages with serial numbers 06001 - 06511 in Hanford ATS #24, the Gland Nut has been measured or verified to be below the top surface of the Cone-Seal Plug for both the PCV and SCV.

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Statements of Compliance for Shipment HTC-DZA-25

3013 Containers

The 3013 has been packaged in compliance with DOE-STD-3013 and G-ESR-G-00035 Rev. 1.
The 3013 heat load will not exceed 19 watts for the 50 year storage life as per DOE-STD-3013.
The inner can and outer can were packaged and inerted to contain less than 5% O2 by volume.

9975 Packaging

Each 9975 Packaging Contents are compliant with both S-SARA-G-00001, Rev 0, Addendum 1 (Tables 1.1 & 1.2) & S-SARP-G-00003 Rev 0
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The shipper has verified the PCV and SCV used for shipment have satisfactorily passed the SARP-required leak test performed using a test method in accordance with ANSI N14.5 indicating leakage less than 10-7 ref cm3/sec air.
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For each loaded 9975, there is less than or equal to 100 grams of plastic inside of the PCV.
For each 3013 container of oxide, the convenience, inner, and outer cans were helium inerted and packaged to contain an atmosphere of <5% O_2 by volume.

Explanatory Notes:
Cal = Gamma Spectroscopy + Calorimetry
PSMC = Gamma Spectroscopy + PSMC
3013 Configuration Drawing Number = PUSPS-030 Rev.0
Drawing Numbers = R-R2-F-0026 Rev 2 for 9975-85 and R-R2-F-0026 Rev 4 for 9975-96
All 3013s are designated RESTRICTED USE per December 20, 1994 DOE Secretarial Directive
Prohibits Use of Pu239 & HEU from EM Stab/Cleanout for Nuclear Explosive Purposes

Initiated: T.J. Venetz
Ted Venetz, 3013 Design Authority
Date 3/11/2009

Verified: [signature]
Rick Wilbanks, Manager, SNM Management and De-Inventory
Date 3/11/09

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Hanford 9975 NCR-07-PFP-006 Drum rolling hoop dispositions all listed 9975s as "Accept As Is".

Note: LanMas gram values are added for SARP compliance limit comparisons.

MOX Oxide Feed Compliance column entries are preliminary and were determined by WSRC personnel

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NOTE: Changes to this document will be through the page change process required by Hanford Classified Document Control (CDC).

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Statements of Compliance for Shipment HTC-DZA-25

3013 Containers

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3013 Configuration Drawing Number = PUSPS-030 Rev.0
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All 3013s are designated RESTRICTED USE per December 20, 1994 DOE Secretarial Directive
Prohibits Use of Pu239 & HEU from EM Stab/Cleanout for Nuclear Explosive Purposes

Item 81 (H002792) has been leak tested using special procedure per ASTM E493 and ANSI N14.5. Leak test methedology and results are documented in CHPRC-00112 to show compliance with DOE-STD-3013.

Initiated: T.J. Venetz Date 3/11/09
Ted Venetz, 3013 Design Authority

Verified: Date 3/11/09
Rick Wilbanks, Manager, SNM Management and De-Inventory

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Hanford 9975 NCR-07-PFP-006 Drum rolling hoop dispositions all listed 9975s as "Accept As Is".

Note: LanMas gram values are added for SARP compliance limit comparisons.

MOX Oxide Feed Compliance column entries are preliminary and were determined by WSRC personnel.

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NOTE: Changes to this document will be through the page change process required by Hanford Classified Document Control (CDC).

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CLASSIFICATION	ID Number
[redacted]	HNF2009-00078 DEL
	This document consists of 2 pages.
Company: Fluor Hanford Inc.	
Address: P.O. Box 1111, Richland, WA 99352	
Title: HANFORD REQUEST TO SHIP NUCLEAR MATERIAL TWENTY-FIVE (U)	Document Date: 3/11/09
Author: G.M. Clark	RECEIVED/PROCESSED APR 12 2010 CLASSIFIED DOCUMENT CONTROL
Department: CHPRC PFP De-Inventory Project	
Circulation Restrictions: All con[redacted]within the tables and [redacted] is classified CN[redacted]otherwise.	RIDS Code: ADM 18.57A

Internal Distribution	External Distribution
CDC	Lee Wilson, SRNS, SRS Site
Gerry Griffin	John Silko, DOE-RL
Greg Clark	Glenn Konzek, DOE-RL SES

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1st Review-Date: 9/16/09	Determination: Circle Number(s)
Authority: ☐ AOC ☒ ADC ☐ ADD	1 Classification Retained — Removed
Name: Gary B. Hulse	2 Classification Changed To Declassified with Deletions
2nd Review-Date: 9/16/09	3 Contains No DOE Classified Info
Authority: ADC OG-SSM-4 eng 9/2009 pobec	4 Coordinate With:
Name: JERRY SCOTT	5 Classification Cancelled
	6 Classified Info Bracketed — Removed
	7 Other (Specify)

Redaction by J Briggs, DD 4/8/2010 NAVARRO RESEARCH & ENGR

CLASSIFIER: T.J. Venetz / G.A. Veny DATE: 3/10/09

WORK TITLE: Principal Engineer

DERIVED FROM: CG-TSS-3 Rev 1 Ch 1 9/99 DOE/OC
Guide Date

Declassify On: 25X2 [EV] when declassified by NNSA

REVIEW FOR RESTRICTED DATA REQUIRE[redacted] prior [redacted]ssification [redacted] P.L. 104-106, section [redacted]155.

THE CONTENTS OF THIS PAGE ARE UNCLASSIFIED

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CLASSIFICATION

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A-6001-972 (REV 1)

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[redacted]

Savannah River Nuclear Solutions
Savannah River Site
Aiken, SC 29808
SRS MC&A Phone (803) 725-5035, Unclassified Fax (803)725-2477, Classified Fax (803) 725-5035

REQUEST TO SHIP NUCLEAR MATERIALS

SHIPPING INFORMATION: (To be completed by generating contractor) **Date: 3/11/09**

Contractor: CH2M HILL PLATEAU REMED. Co. (RIS HTC).

Address: 2440 Stevens Center

Richland, Washington 99352-1505

Request Shipping Date: April 5, 2009 **741#** HTC-DZA-25

Material Classification: CAT I, ATTRACTIVENESS C

Shipment Classification: CNSI

b(1)

Package Description: 3013 Container (3 Can Configuration) within 9975

Method of Shipment: OST Secure Transport (SGT)

Number of Containers: 81 (Shipment Convoys of 4 trailers)

SRNS/ SRS Technical Representative Responsible for Shipment Authorization: *(SRS Point of Contact)*

b(2)

Authorization Number if Required: _____

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CLASSIFICATION	ID Number
[redacted] DECLASSIFIED WITH DELETIONS	HNF2009-00149 DEL
Company Fluor Hanford Inc.	This document consists of 13 pages.
Address P.O. Box 1111, Richland, WA 99352	
Title REVISED HANFORD AUTHORIZATION TO SHIP REQUEST TWENTY-FIVE (U)	Document Date 3/26/09
Author G.M. Clark	RECEIVED/PROCESSED APR 12 2010 CLASSIFIED DOCUMENT CONTROL
Department CHPRC PFP De-Inventory Project	
Circulation [redacted] All contents within [redacted] classified CNSI [redacted] otherwise. [redacted]	RIDS Code ADM 18.57A

Internal Distribution	External Distribution
CDC	Elizabeth R. Hackney, SRNS, SRS Site w/disk
Gerry Griffin	John Silko, DOE-RL
Greg Clark	

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1st Review-Date: 9/17/09 — Determination: Circle Number(s)
Authority: ☐ AOC ☒ ADC ☐ ADD — (1) Classification Retained — Removed
Name: Gary B. Hulse — (2) Classification Changed To Declassified with Deletions
(3) Contains No DOE Classified Info
2nd Review-Date: 9/17/09 — (4) Coordinate With:
Authority: ADC CG-SS4, Chg 6 9/12000 DOE/OC — (5) Classification Cancelled
Name: — (6) Classified Info Bracketed — Removed
(7) Other (Specify)

Redaction by D Briggs DD 4/8/2010 Navarro Research & Engr

CLASSIFIER: Gary B. Hulse DATE: 3/26/09
WORK TITLE: Safeguards & Security
DERIVED FROM: CG-SS-3, Change 1 9/12/00 DOE/OC (Guide, Date)
Declassify On: 25X2 [EU] When declassified by [redacted]

[redacted] EW FOR RESTRICTED DATA [redacted] REQUIRED prior t[redacted]ification [redacted] P.L. 104-106, section [redacted]55.

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The contents of the entire table are [redacted]

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Statements of Compliance for Shipment HTC-DZA-25

3013 Containers

The 3013 has been packaged in compliance with DOE-STD-3013 and G-ESR-G-00035 Rev. 1.

The 3013 heat load will not exceed 19 watts for the 50 year storage life as per DOE-STD-3013.

The inner can and outer can were packaged and inerted to contain less than 5% O2 by volume.

9975 Packaging

Each 9975 Packaging Contents are compliant with both S-SARA-G-00001, Rev 0, Addendum 1 (Tables 1.1 & 1.2) & S-SARP-G-00003 Rev 0

Each 9975-96 has been packaged in accordance with S-SARP-G-00003, Rev 0, and

each 9975-85 has been packaged in accordance with WSRC-SA-2002-00008 Revision 0 and include:

Each over pack drum lid has been closed with 24 bolts and tightened to 30ft-lbs. plus or minus 2ft-lbs. of torque. Bolts used for closing each lid are the same as those removed from the drum body and segregated specifically for closure.

The foil impact absorbers have been placed above and below the PCV within the SCV cavity

The shipping package contains an insulation assembly that includes a load bearing plate and a ceramic fiber blanket filler pac between the top insulation subassembly and the overpack drum lid.

A 3013 Outer Container has been placed inside the PCV along with aluminum spacers.

The PCV and SCV contain two Viton GLT fluorelastomer O-rings (or equivalent) greased with high vacuum silicone grease placed in the grooves of the vessel's cone joint to form a leaktight seal.

The PCV gland nut has been tightened to 30 (+5.0/-0.0) ft-lbs. of torque and the cone seal nut has been tightened to 50 (+5.0/-0.0) ft-lbs. of torque. The scribed radial lines across the top of the cone nut and the top of the PCV body have been verified to be in alignment within one (1) inch.

The SCV gland nut has been tightened to 30 (+5.0/-0.0) ft-lbs. of torque and the cone seal nut has been tightened to 100 (+5.0/-0.0) ft-lbs. of torque. The scribed radial lines across the top of the cone nut and the top of the SCV body have been verified to be in alignment within one (1) inch.

The shipper has verified the PCV and SCV used for shipment have satisfactorily passed the SARP-required leak test performed using a test method in accordance with ANSI N14.5 indicating leakage less than 10-7 ref cm3/sec air.

The shipper has verified a postloading leakage test has been performed on the PCV and SCV using a test method in accordance with ANSI N14.5 indicating leakage less than 10-3 ref cm3/sec air.

For oxide material, the PCV gas space has been diluted with at least 75 volume % CO2.

For each loaded 9975, there is less than or equal to 100 grams of plastic inside of the PCV.

For each 3013 container of oxide, the convenience, inner, and outer cans were helium inerted and packaged to contain an atmosphere of <5% O_2 by volume.

ATS#25 HAS BEEN REVISED TO REFLECT THE PFP RE-VERIFICATION OF TORQUE VALUES FOR TWENTY-ONE 9975s PER NCR-09-PFP-007. THIS NCR HAS BEEN PROVIDED TO THE SRNS DA AND CONCURRED WITH.
NOTE THAT THIS ATS CONTAINS THE REMAINING TWO BERYLLIUM STANDARDS REQUESTED BY SRNS.
9975 06986 HAS BEEN ADDED TO THIS ATS. THIS ITEM HAS BEEN PREVIOUSLY APPROVED IN ATS#23 (SAV36432).

Initiated: Brenda Pritchett Date 3/26/09
Brenda Pritchett, 9975 Technical Authority
[redacted]

Verified: Rick Wilbanks Date 3/26/09
Rick Wilbanks, Manager, SNM Management and De-Inventory

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Explanatory Items:
Cal = Gamma Spectroscopy + Calorimetry
PSMC = Gamma Spectroscopy + PSMC
3013 Configuration Drawing Number = PUSPS-030 Rev.0
Drawing Numbers = R-R2-F-0026 Rev 2 for 9975-85 and R-R2-F-0026 Rev 4 for 9975-96
All 3013s are designated RESTRICTED USE per December 20, 1994 DOE Secretarial Directive
Prohibits Use of Pu239 & HEU from EM Stab/Cleanout for Nuclear Explosive Purposes

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Hanford Measurement Data: Nuclear Materials Mass and Relative Uncertainty Values, including Uranium are derived directly from Analytical Laboratory Measurements and are not modified to account for radiological decay or other factors. Refer to LanMas and DOE form 741 for accountability values which will be transmitted seperately by contractor Safeguards.

Hanford 9975 NCR-07-PFP-006 Drum rolling hoop dispositions all listed 9975s as "Accept As Is".

Note: LanMas gram values are added for SARP compliance limit comparisons.

MOX Oxide Feed Compliance column entries are preliminary and were determined by WSRC personnel.

* Listed 9975 Serial Numbers sequenced in this document do not reflect loading order; refer to ZAP-000-049 documentation accompanying each truck for specific load sequence.

** Hanford TID Serial Numbers listed are at time of 9975 packaging; refer to MC&A LanMas Data (form 741) for TID Serial Numbers at time of Shipping.

NOTE: Changes to this document will be through the page change process required by Hanford Classified Document Control (CDC).

For 9975 Shipping Packages with serial numbers 06001 - 06511 in Hanford ATS #25, the Gland Nut has been measured or verified to be below the top surface of the Cone-Seal Plug for both the PCV and SCV.

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The contents of the entire table are C[redacted]

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Statements of Compliance for Shipment HTC-DZA-25

3013 Containers

The 3013 has been packaged in compliance with DOE-STD-3013 and G-ESR-G-00035 Rev. 1.
The 3013 heat load will not exceed 19 watts for the 50 year storage life as per DOE-STD-3013.
The inner can and outer can were packaged and inerted to contain less than 5% O2 by volume.

9975 Packaging

Each 9975 Packaging Contents are compliant with both S-SARA-G-00001, Rev 0, Addendum 1 (Tables 1.1 & 1.2) & S-SARP-G-00003 Rev 0
Each 9975-96 has been packaged in accordance with S-SARP-G-00003, Rev 0, and

Explanatory Notes:
Cal = Gamma Spectroscopy + Calorimetry
PSMC = Gamma Spectroscopy + PSMC
3013 Configuration Drawing Number = PUSPS-030 Rev.0
Drawing Numbers = R-R2-F-0026 Rev 2 for 9975-85 and R-R2-F-0026 Rev 4 for 9975-96
All 3013s are designated RESTRICTED USE per December 20, 1994 DOE Secretarial Directive
Prohibits Use of Pu239 & HEU from EM Stab/Cleanout for Nuclear Explosive Purposes

each 9975-85 has been packaged in accordance with WSRC-SA-2002-00008 Revision 0 and include:
Each over pack drum lid has been closed with 24 bolts and tightened to 30ft-lbs. plus or minus 2ft-lbs. of torque. Bolts used for closing each lid are the same as those removed from the drum body and segregated specifically for closure.
The foil impact absorbers have been placed above and below the PCV within the SCV cavity
The shipping package contains an insulation assembly that includes a load bearing plate and a ceramic fiber blanket filler pad between the top insulation subassembly and the overpack drum lid.
A 3013 Outer Container has been placed inside the PCV along with aluminum spacers.
The PCV and SCV contain two Viton GLT fluorelastomer O-rings (or equivalent) greased with high vacuum silicone grease placed in the grooves of the vessel's cone joint to form a leaktight seal.
The PCV gland nut has been tightened to 30 (+5.0/-0.0) ft-lbs. of torque and the cone seal nut has been tightened to 50 (+5.0/-0.0) ft-lbs. of torque. The scribed radial lines across the top of the cone nut and the top of the PCV body have been verified to be in alignment within one (1) inch.
The SCV gland nut has been tightened to 30 (+5.0/-0.0) ft-lbs. of torque and the cone seal nut has been tightened to 100 (+5.0/-0.0) ft-lbs. of torque. The scribed radial lines across the top of the cone nut and the top of the SCV body have been verified to be in alignment within one (1) inch.
The shipper has verified the PCV and SCV used for shipment have satisfactorily passed the SARP-required leak test performed using a test method in accordance with ANSI N14.5 indicating leakage less than 10-7 ref cm3/sec air.
The shipper has verified a postloading leakage test has been performed on the PCV and SCV using a test method in accordance with ANSI N14.5 indicating leakage less than 10-3 ref cm3/sec air.
For oxide material, the PCV gas space has been diluted with at least 75 volume % CO2.
For each loaded 9975, there is less than or equal to 100 grams of plastic inside of the PCV.
For each 3013 container of oxide, the convenience, inner, and outer cans were helium inerted and packaged to contain an atmosphere of <5% O_2 by volume.

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ATS#25 HAS BEEN REVISED TO REFLECT THE PFP RE-VERIFICATION OF TORQUE VALUES FOR TWENTY-ONE 9975s PER NCR-09-PFP-007. THIS NCR HAS BEEN PROVIDED TO THE SRNS DA AND CONCURRED WITH.
NOTE THAT THIS ATS CONTAINS THE REMAINING TWO BERYLLIUM STANDARDS REQUESTED BY SRNS.
9975 06986 HAS BEEN ADDED TO THIS ATS. THIS ITEM HAS BEEN PREVIOUSLY APPROVED IN ATS#23 (SAV36432).

Initiated: Brenda Pritchett Date 3/26/09
Brenda Pritchett, 9975 Technical Authority

Verified: Rick Wilbanks Date 3/26/09
Rick Wilbanks, Manager, SNM Management and De-Inventory

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Hanford Measurement Data: Nuclear Materials Mass and Relative Uncertainty Values, including Uranium are derived directly from Analytical Laboratory Measurements and are not modified to account for radiological decay or other factors. Refer to LanMas and DOE form 741 for accountability values which will be transmitted seperately by contractor Safeguards.

Hanford 9975 NCR-07-PFP-006 Drum rolling hoop dispositions all listed 9975s as "Accept As Is"

Note: LanMas gram values are added for SARP compliance limit comparisons.

MOX Oxide Feed Compliance column entries are preliminary and were determined by WSRC personnel.

* Listed 9975 Serial Numbers sequenced in this document do not reflect loading order; refer to ZAP-000-049 documentation accompanying each truck for specific load sequence.

** Hanford TID Serial Numbers listed are at time of 9975 packaging; refer to MC&A LanMas Data (form 741) for TID Serial Numbers at time of Shipping.

NOTE: Changes to this document will be through the page change process required by Hanford Classified Document Control (CDC).

For 9975 Shipping Packages with serial numbers 06001 - 06511 in Hanford ATS #25, the Gland Nut has been measured or verified to be below the top surface of the Cone-Seal Plug for both the PCV and SCV.

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Statements of Compliance for Shipment HTC-DZA-25

3013 Containers

The 3013 has been packaged in compliance with DOE-STD-3013 and G-ESR-G-00035 Rev. 1.
The 3013 heat load will not exceed 19 watts for the 50 year storage life as per DOE-STD-3013.
The inner can and outer can were packaged and inerted to contain less than 5% O2 by volume.

9975 Packaging

Each 9975 Packaging Contents are compliant with both S-SARA-G-00001, Rev 0, Addendum 1 (Tables 1.1 & 1.2) & S-SARP-G-00003 Rev 0
Each 9975-96 has been packaged in accordance with S-SARP-G-00003, Rev 0, and
each 9975-85 has been packaged in accordance with WSRC-SA-2002-00008 Revision 0 and include:
Each over pack drum lid has been closed with 24 bolts and tightened to 30ft-lbs. plus or minus 2ft-lbs. of torque. Bolts used for closing each lid are the same as those removed from the drum body and segregated specifically for closure.
The foil impact absorbers have been placed above and below the PCV within the SCV cavity
The shipping package contains an insulation assembly that includes a load bearing plate and a ceramic fiber blanket filler pad between the top insulation subassembly and the overpack drum lid.
A 3013 Outer Container has been placed inside the PCV along with aluminum spacers.
The PCV and SCV contain two Viton GLT fluorelastomer O-rings (or equivalent) greased with high vacuum silicone grease placed in the grooves of the vessel's cone joint to form a leaktight seal.
The PCV gland nut has been tightened to 30 (+5.0/-0.0) ft-lbs. of torque and the cone seal nut has been tightened to 50 (+5.0/-0.0) ft-lbs. of torque. The scribed radial lines across the top of the cone nut and the top of the PCV body have been verified to be in alignment within one (1) inch.
The SCV gland nut has been tightened to 30 (+5.0/-0.0) ft-lbs. of torque and the cone seal nut has been tightened to 100 (+5.0/-0.0) ft-lbs. of torque. The scribed radial lines across the top of the cone nut and the top of the SCV body have been verified to be in alignment within one (1) inch.
The shipper has verified the PCV and SCV used for shipment have satisfactorily passed the SARP-required leak test performed using a test method in accordance with ANSI N14.5 indicating leakage less than 10-7 ref cm3/sec air.
The shipper has verified a postloading leakage test has been performed on the PCV and SCV using a test method in accordance with ANSI N14.5 indicating leakage less than 10-3 ref cm3/sec air.
For oxide material, the PCV gas space has been diluted with at least 75 volume % CO2.
For each loaded 9975, there is less than or equal to 100 grams of plastic inside of the PCV.
For each 3013 container of oxide, the convenience, inner, and outer cans were helium inerted and packaged to contain an atmosphere of <5% O_2 by volume.

Explanatory Notes:
Cal = Gamma Spectroscopy + Calorimetry
PSMC = Gamma Spectroscopy + PSMC
3013 Configuration Drawing Number = PUSPS-030 Rev.C
Drawing Numbers = R-R2-F-0026 Rev 2 for 9975-85 and R-R2-F-0026 Rev 4 for 9975-96
All 3013s are designated RESTRICTED USE per December 20, 1994 DOE Secretarial Directive
Prohibits Use of Pu239 & HEU from EM Stab/Cleanout for Nuclear Explosive Purposes

ATS#25 HAS BEEN REVISED TO REFLECT THE PFP RE-VERIFICATION OF TORQUE VALUES FOR TWENTY-ONE 9975s PER NCR-09-PFP-007. THIS NCR HAS BEEN PROVIDED TO THE SRNS [redacted] CONCURRED WITH.
NOTE THAT THIS ATS CONTAINS THE REMAINING TWO BERYLLIUM STANDARDS REQUESTED BY SRNS.
9975 06986 HAS BEEN ADDED TO THIS ATS. THIS ITEM HAS BEEN PREVIOUSLY APPROVED IN ATS#23 (SAV36432).

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Initiated: Brenda Pritchett Date 3/26/09
Brenda Pritchett, 9975 Technical Authority

Verified: Rick Wilbanks Date 3/26/09
Rick Wilbanks, Manager, SNM Management and De-Inventory

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The contents of the entire table are [redacted]

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Hanford Measurement Data: Nuclear Materials Mass and Relative Uncertainty Values, including Uranium are derived directly from Analytical Laboratory Measurements and are not modified to account for radiological decay or other factors. Refer to LanMas and DOE form 741 for accountability values which will be transmitted seperately by contractor Safeguards.

Hanford 9975 NCR-07-PFP-006 Drum rolling hoop dispositions all listed 9975s as "Accept As Is".

Note: LanMas gram values are added for SARP compliance limit comparisons.

MOX Oxide Feed Compliance column entries are preliminary and were determined by WSRC personnel.

* Listed 9975 Serial Numbers sequenced in this document do not reflect loading order; refer to ZAP-000-049 documentation accompanying each truck for specific load sequence.

** Hanford TID Serial Numbers listed are at time of 9975 packaging; refer to MC&A LanMas Data (form 741) for TID Serial Numbers at time of Shipping.

NOTE: Changes to this document will be through the page change process required by Hanford Classified Document Control (CDC).

For 9975 Shipping Packages with serial numbers 06001 - 06511 in Hanford ATS #25, the Gland Nut has been measured or verified to be below the top surface of the Cone-Seal Plug for both the PCV and SCV.

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The contents of the entire table are [redacted]

HNF2009-00149 DEL

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Statements of Compliance for Shipment HTC-DZA-25

3013 Containers

The 3013 has been packaged in compliance with DOE-STD-3013 and G-ESR-G-00035 Rev. 1.
The 3013 heat load will not exceed 19 watts for the 50 year storage life as per DOE-STD-3013.
The inner can and outer can were packaged and inerted to contain less than 5% O2 by volume.

9975 Packaging

Each 9975 Packaging Contents are compliant with both S-SARA-G-00001, Rev 0, Addendum 1 (Tables 1.1 & 1.2) & S-SARP-G-00003 Rev 0
Each 9975-90 has been packaged in accordance with S-SARP-G-00003, Rev 0, and
each 9975-85 has been packaged in accordance with WSRC-SA-2002-00008 Revision 0 and include:
Each over pack drum lid has been closed with 24 bolts and tightened to 30ft-lbs. plus or minus 2ft-lbs. of torque. Bolts used for closing each lid are the same as those removed from the drum body and segregated specifically for closure.
The foil impact absorbers have been placed above and below the PCV within the SCV cavity
The shipping package contains an insulation assembly that includes a load bearing plate and a ceramic fiber blanket filler pad between the top insulation subassembly and the overpack drum lid.
A 3013 Outer Container has been placed inside the PCV along with aluminum spacers.
The PCV and SCV contain two Viton GLT fluorelastomer O-rings (or equivalent) greased with high vacuum silicone grease placed in the grooves of the vessel's cone joint to form a leaktight seal.
The PCV gland nut has been tightened to 30 (+5.0/-0.0) ft-lbs. of torque and the cone seal nut has been tightened to 50 (+5.0/-0.0) ft-lbs. of torque. The scribed radial lines across the top of the cone nut and the top of the PCV body have been verified to be in alignment within one (1) inch.
The SCV gland nut has been tightened to 30 (+5.0/-0.0) ft-lbs. of torque and the cone seal nut has been tightened to 100 (+5.0/-0.0) ft-lbs. of torque. The scribed radial lines across the top of the cone nut and the top of the SCV body have been verified to be in alignment within one (1) inch.
The shipper has verified the PCV and SCV used for shipment have satisfactorily passed the SARP-required leak test performed using a test method in accordance with ANSI N14.5 indicating leakage less than 10-7 ref cm3/sec air.
The shipper has verified a postloading leakage test has been performed on the PCV and SCV using a test method in accordance with ANSI N14.5 indicating leakage less than 10-3 ref cm3/sec air.
For oxide material, the PCV gas space has been diluted with at least 75 volume % CO2.

For each loaded 9975, there is less than or equal to 100 grams of plastic inside of the PCV.
For each 3013 container of oxide, the convenience, inner, and outer cans were helium inerted and packaged to contain an atmosphere of <5% O_2 by volume.

ATS#25 HAS BEEN REVISED TO REFLECT THE PFP RE-VERIFICATION OF TORQUE VALUES FOR TWENTY-ONE 9975s PER NCR-09-PFP-007. THIS NCR HAS BEEN PROVIDED TO THE SRNS DA AND CONCURRED WITH NOTE THAT THIS ATS CONTAINS THE REMAINING TWO BERYLLIUM STANDARDS REQUESTED BY SRNS.
9975 06986 HAS BEEN ADDED TO THIS ATS. THIS ITEM HAS BEEN PREVIOUSLY APPROVED IN ATS#23 (SAV36432).

Item 82 (H002792) has been leak tested using special procedure per ASTM E493 and ANSI N14.5. Leak test methedology and results are documented in CHPRC-00112 to show compliance with DOE-STD-3013.
Item 82 will be physically placed at the rear most position within the SGT trailer (single drum tiedown) per SRNS request.

Explanatory Notes:
Cal = Gamma Spectroscopy + Calorimetry
PSMC = Gamma Spectroscopy + PSMC
3013 Configuration Drawing Number = PUSPS-030 Rev.0
Drawing Numbers = R-R2-F-0026 Rev 2 for 9975-85 and R-R2-F-0026 Rev 4 for 9975-96
All 3013s are designated RESTRICTED USE per December 20, 1994 DOE Secretarial Directive
Prohibits Use of Pu239 & HEU from EM Stab/Cleanout for Nuclear Explosive Purposes

Initiated: Brenda Pritchett, 9975 Technical Authority — Date 3/26/09

Verified: Rick Wilbanks, Manager, SNM Management and De-Inventory — Date 3/26/09

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The contents of the entire table are [redacted]

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Hanford Measurement Data: Nuclear Materials Mass and Relative Uncertainty Values, including Uranium are derived directly from Analytical Laboratory Measurements and are not modified to account for radiological decay or other factors. Refer to LanMas and DOE form 741 for accountability values which will be transmitted seperately by contractor Safeguards.

Hanford 9975 NCR-07-PFP-006 Drum rolling loop dispositions all listed 9975s as "Accept As Is".

Note: LanMas gram values are added for SARP compliance limit comparisons.

MOX Oxide Feed Compliance column entries are preliminary and were determined by WSRC personnel.

* Listed 9975 Serial Numbers sequenced in this document do not reflect loading order; refer to ZAP-000-049 documentation accompanying each truck for specific load sequence.

** Hanford TID Serial Numbers listed are at time of 9975 packaging; refer to MC&A LanMas Data (form 741) for TID Serial Numbers at time of Shipping.

NOTE: Changes to this document will be through the page change process required by Hanford Classified Document Control (CDC).

For 9975 Shipping Packages with serial numbers 06001 - 06511 in Hanford ATS #25, the Gland Nut has been measured or verified to be below the top surface of the Cone-Seal Plug for both the PCV and SCV.

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C[redacted] DECLASSIFIED WITH DELETIONS	HNF2009-00154 DEL.
	This document consists of 5 pages.
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Address P.O. Box 1111, Richland, WA 99352	Document Date 4/1/09
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Author G.M. Clark	RECEIVED/PROCESSED APR 12 2010 CLASSIFIED DOCUMENT CONTROL
Department CHPRC PFP De-Inventory Project	
Circulation Restrictions: All inform[redacted] in the Tables and F[redacted] is classified CNSI un[redacted] otherwise.	RIDS Code: ADM 18.57A

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Gerry Griffin	John Silko, DOE-RL
Greg Clark	Glenn Konzek, DOE-RL SES
	Elizabeth Hackney, SRNS, SRS Site
	Lee Wilson, SRNS, SRS Site

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
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Authority: ☐ AOC ☒ ADC ☐ ADD
Name: Gary B. Hulse
2nd Review Date: 9/16/09
Authority: CG-SS-4, Chg 1
Name: DEAN SCALL
Determination: Circle Number(s)
1. Classification Retained — Removed
2. Classification Changed To Declassified with Deletions
3. Contains No DOE Classified Info
4. Coordinate With:
5. Classification Cancelled
6. Classified Info Bracketed — Removed
7. Other (Specify)

Redaction by J. Bragg, DD 4/8/2010 NAVARRO RESEARCH & ENGR

CLASSIFIER: Gary B. Hulse Gary B Hulse DATE: 3/31/09
WORK TITLE: Safeguards & Security
DERIVED FROM: CG-SS-3, Change 1 9/99 DOE/OC
Guide Date
Declassify On: 25X2 [EV] when declassified

REVIEW FOR RESTRICTED DATA REQUIRED [redacted] declassification [redacted] per P.L. 104-106, section 3153 [redacted] by NNSA

THE CONTENTS OF THIS PAGE ARE UNCLASSIFIED

[redacted]
CLASSIFICATION

DECLASSIFIED WITH DELETIONS

A-6001-972 (REV 1)

OST F 1540.5
Rev. 1 (10/08)

[redacted] HNF2009-00154 DEL

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US DEPARTMENT OF ENERGY
NATIONAL NUCLEAR SECURITY ADMINISTRATION
OFFICE OF SECURE TRANSPORTATION

TRANSPORTATION SHIPPING REQUEST (TSR)

1) **TSR SUBMISSION DATES:**	60 Day 1/19/09 30 Day 7 Day 4/1/09
2) **SHIPMENT ID:**	HTC-DZA-25
3) **PROGRAM OFFICE AND REQUESTING SITE:**	EM-1, HANFORD SITE
4) **CAMPAIGN IDENTIFICATION NUMBERS (CIDs):**	752
5) **TRANSPORTATION REQUIREMENTS:**	
a) Pick up Location/Address	HTC, PLUTONIUM FINISHING PLANT, 2736-ZB, 200 WEST, HANFORD SITE, RICHLAND, WA, 99352
b) Delivery Location/Address	b(2)
6) **MATERIAL AVAILABILITY DATE:**	4/10/09
7) **MATERIAL REQUIRED DELIVERY DATE:**	6/30/09
8) **MATERIAL SCHEDULED DELIVERY DATE:**	
9) **NUMBER OF TRAILERS REQUIRED AND SPECIAL HANDLING REQUIREMENTS:**	b(2)
10) **CLASSIFICATION:**	
a) Security Classification of Material Being Transported	CNSI
b) Nuclear Material Safeguards Category and Attractiveness Level	ATTRACTIVENESS C, CATEGORY I
11) **REQUIREMENT FOR SHIPPING IN THE TSS:**	DOE M 470.4-2, Chapter II, Section A, Subsection 7.c.(1)
12) **TWENTY-FOUR HOUR EMERGENCY RESPONSE CONTACT:**	HANFORD EMERG CTR 509-373-3800
13) **CONTAINER INFORMATION:**	
a) Name and Dimensions of Individual Containers	9975, 35.5" TALL x 19" DIAMETER
b) Package Identification and/or Offsite Transportation Certificate Number (OTC) or Offsite Transportation Authorization Number (OTA)	USA/9975/B(M)F-96 (DOE)
c) Expiration Date of Container Certificate or Authorization	JUNE 30, 2013

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OST F 1540.5
Rev. 1 (10/08)

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HNF2009-00154 DEL

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US DEPARTMENT OF ENERGY
NATIONAL NUCLEAR SECURITY ADMINISTRATION
OFFICE OF SECURE TRANSPORTATION

TRANSPORTATION SHIPPING REQUEST (TSR)

14) HAZARDOUS MATERIALS:	
a) Proper Shipping Name(s) (PSN) and Identification Number per 49 CFR	RQ, RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE, UN3329
b) Hazards Class/Division	7
15) FISSILE/RADIOACTIVE MATERIAL INFORMATION:	
a) Name of Radionuclide(s) and Percent Enrichment	Pu238, Pu239, Pu240, Pu241, Pu242, U235 (TSR Continuation Pages)
b) Physical Form of Material	PLUTONIUM OXIDE
c) Chemical Form of Material	PuO2
d) Type of Label Applied to Each Package	BAR II OR III
16) CARGO TIE-DOWN RESTRAINT CONFIGURATION:	Type B, ARG & Miscellaneous Containers, Rev 1, Table 3.3.2.2 for CRT Tiedown
17) EXPLOSIVE MATERIAL INFORMATION:	
a) Proper Shipping Name	NOT APPLICABLE
b) Technical/Chemical Name	NOT APPLICABLE
c) Label Applied to Container or Special Assembly	NOT APPLICABLE
18) OTHER REQUIRED INFORMATION:	
a) Number of Containers Loaded on Each Trailer	b(2)
b) Gross Weight of Individual Containers (pounds)	NOMINAL 390 LBS LOADED
c) Total Quantities of Other Hazardous Materials	NONE
d) Transportation Index (TI)	SEE CONTINUATION PAGE ATTACHED
e) Criticality Safety Index (CSI) Reference 49CFR 173.403	CSI is 2.0 for each 9975
f) Total Radioactivity	SEE CONTINUATION PAGE ATTACHED ATTACHED
	b(1)
h) Thermo Watt Output of the Nuclides	SEE CONTINUATION PAGE ATTACHED
i) Quantities of All Explosives (grams)	NONE
19) SHIPPER/RECEIVER APPROVAL CONFIRMATION:	SAV# 36444

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b(1)

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b(1)

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CLASSIFICATION [redacted] DECLASSIFIED WITH DELETIONS	ID Number HNF2009-00156 DEL
Company Fluor Hanford Inc.	This document consists of 37 pages.
Address P.O. Box 1111, Richland, WA, 99352	Document Date 4/13/09
Title HANFORD ADVANCE MANIFEST TWENTY-FIVE(U)	
Author G.M. Clark	RECEIVED/PROCESSED APR 12 2010 CLASSIFIED DOCUMENT CONTROL
Department CHPRC PFP De-Inventory Project	
Circulation Restrictions Al[redacted] in the Tab[redacted] forms is classified C[redacted]ecified otherwise.	RIDS Code ADM 18.57A

Internal Distribution	External Distribution
CDC	Richard Koenig, SRNS, SRS Site
	Jerry Padgett, SRNS, SRS Site

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1st Review Date: 9/16/09	Determination: Circle Number(s)
Authority: ☐ AOC ☒ ADC ☐ ADD	1. Classification Retained — classified removed.
Name: Gary B. Hulse	2. Classification Changed To: Declassified with Deletions
2nd Review Date: 9/16/09	3. Contains No DOE Classified Info
Authority: ☐ AOC ☒ ADC ☐ ADD	4. Coordinate With:
	5. Classification Cancelled
Name: DEAN SCOTT	6. Classified Info Bracketed — classified removed
	7. Other (Specify)

Redaction by J. Briggs, DD NAVARRO Research & Engr. 4/9/2010

CLASSIFIER: Gary B. Hulse DATE: 4/5/09

WORK TITLE: Safeguards & Security

DERIVED FROM: CG-TSS-3 Rev 1 9/99 DOE/OC (Guide / Date)

Declassify On: 25X2 [EU] When declassified by NA[redacted]

REVIEW FOR RESTRICTED DATA REQUIRED [redacted] declassification [redacted] per P.L. 104-106, section 3[redacted]

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[redacted] CLASSIFICATION

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A-6001-972 (REV 1)

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WITH DELETIONS

HNF2009-00156 DEL.

Load Crosswalk Group-25 4-7-2009

[redacted]

	Truck	CRT Position	9975 ID	TID Serial No Change (if applicable)	BTC ID	Hanford Authorization to Ship Ref No	WSRC MCA Authorization No Ref	
1	25A	2	06857		H7054	HNF2009-00149	SAV36444	1
2	25A	2	06979		H6407	HNF2009-00149	SAV36444	2
3	25A	2	06983		H6570	HNF2009-00149	SAV36444	3
4	25A	2	07033		H7802	HNF2009-00149	SAV36444	4
5	25A	2	07075		H7567	HNF2009-00149	SAV36444	5
6	25A	3	07014		H7800	HNF2009-00149	SAV36444	6
7	25A	3	07015		H7943	HNF2009-00149	SAV36444	7
8	25A	3	07023		H7907	HNF2009-00149	SAV36444	8
9	25A	3	07027		H7639	HNF2009-00149	SAV36444	9
10	25A	3	07049		H7506	HNF2009-00149	SAV36444	10
11	25A	4	06889		H6512	HNF2009-00149	SAV36444	11
12	25A	4	06977		H8180	HNF2009-00149	SAV36444	12
13	25A	4	06997		H7570	HNF2009-00149	SAV36444	13
14	25A	4	07072		H7707	HNF2009-00149	SAV36444	14
15	25A	4	07081		H7558	HNF2009-00149	SAV36444	15
16	25A	5	06344		H7504	HNF2009-00149	SAV36444	16
17	25A	5	07006		H7552	HNF2009-00149	SAV36444	17
18	25A	5	07031		H7810	HNF2009-00149	SAV36444	18
19	25A	5	07053		H6400	HNF2009-00149	SAV36444	19
20	25A	5	07070		H7566	HNF2009-00149	SAV36444	20
21	25A	6	06971		H7906	HNF2009-00149	SAV36444	21
22	25A	6	07020		H7568	HNF2009-00149	SAV36444	22
23	25A	6	07035		H6353	HNF2009-00149	SAV36444	23
24	25A	6	07036		H7801	HNF2009-00149	SAV36444	24
25	25A	6	07051		H6506	HNF2009-00149	SAV36444	25
26	25B	2	07011		H7809	HNF2009-00149	SAV36444	26
27	25B	2	07012		H7613	HNF2009-00149	SAV36444	27
28	25B	2	07034		H7585	HNF2009-00149	SAV36444	28
29	25B	2	07052		H7049	HNF2009-00149	SAV36444	29
30	25B	2	07087		H6418	HNF2009-00149	SAV36444	30
31	25B	3	06325		H7571	HNF2009-00149	SAV36444	31
32	25B	3	07022		H7604	HNF2009-00149	SAV36444	32
33	25B	3	07032		H6392	HNF2009-00149	SAV36444	33
34	25B	3	07037		H6421	HNF2009-00149	SAV36444	34
35	25B	3	07088		H7908	HNF2009-00149	SAV36444	35
36	25B	4	06397		H7539	HNF2009-00149	SAV36444	36
37	25B	4	06969		H7731	HNF2009-00149	SAV36444	37
38	25B	4	06980		H8168	HNF2009-00149	SAV36444	38
39	25B	4	07004		H7170	HNF2009-00149	SAV36444	39
40	25B	4	07030		H6477	HNF2009-00149	SAV36444	40
41	25B	5	06400		H6453	HNF2009-00149	SAV36444	41
42	25B	5	06403		H6458	HNF2009-00149	SAV36444	42
43	25B	5	06970		H7709	HNF2009-00149	SAV36444	43
44	25B	5	07055		H7512	HNF2009-00149	SAV36444	44
45	25B	5	07095		H6519	HNF2009-00149	SAV36444	45
46	25B	6	06402		H7629	HNF2009-00149	SAV36444	46
47	25B	6	06407		H8466	HNF2009-00149	SAV36444	47
48	25B	6	06916		H7756	HNF2009-00149	SAV36444	48
49	25B	6	07009		H7718	HNF2009-00149	SAV36444	49
50	25B	6	07046		H7654	HNF2009-00149	SAV36444	50

b(1)

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HNF2009-00156 DEL

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Load Crosswalk Group-25 4-7-2009

	Truck	CRT Position	9975 ID	TID Serial No Change (if applicable)	BTC ID	Hanford Authorization to Ship Ref No	WSRC MCA Authorization No Ref	
51	25C	2	06398		H6462	HNF2009-00149	SAV36444	51
52	25C	2	07021		H7565	HNF2009-00149	SAV36444	52
53	25C	2	07073		H8462	HNF2009-00149	SAV36444	53
54	25C	2	07094		H8436	HNF2009-00149	SAV36444	54
55	25C	2	07097		H7719	HNF2009-00149	SAV36444	55
56	25C	3	06956		H8463	HNF2009-00149	SAV36444	56
57	25C	3	06978		H7847	HNF2009-00149	SAV36444	57
58	25C	3	06981		H7728	HNF2009-00149	SAV36444	58
59	25C	3	06984		H7569	HNF2009-00149	SAV36444	59
60	25C	3	06996		H7916	HNF2009-00149	SAV36444	60
61	25C	4	06396		H7443	HNF2009-00149	SAV36444	61
62	25C	4	06986		H8243	HNF2009-00149	SAV36444	62
63	25C	4	07045		H6547	HNF2009-00149	SAV36444	63
64	25C	4	07066		H6404	HNF2009-00149	SAV36444	64
65	25C	4	07105		H7883	HNF2009-00149	SAV36444	65
66	25C	5	06399		H8178	HNF2009-00149	SAV36444	66
67	25C	5	07042		H8221	HNF2009-00149	SAV36444	67
68	25C	5	07043		H7537	HNF2009-00149	SAV36444	68
69	25C	5	07057		H7918	HNF2009-00149	SAV36444	69
70	25C	5	07074		H7508	HNF2009-00149	SAV36444	70
71	25C	6	06401		H6384	HNF2009-00149	SAV36444	71
72	25C	6	06406		H8250	HNF2009-00149	SAV36444	72
73	25C	6	07056		H8164	HNF2009-00149	SAV36444	73
74	25C	6	07092		H8252	HNF2009-00149	SAV36444	74
75	25C	6	07093		H7421	HNF2009-00149	SAV36444	75
76	**25D**	**22**	07044		H7850	HNF2009-00149	SAV36444	76
77	25D		06999		H7544	HNF2009-00149	SAV36444	77
78	25D		07013		H7563	HNF2009-00149	SAV36444	78
79	25D		07054		H7766	HNF2009-00149	SAV36444	79
80	25D		07090		H7615	HNF2009-00149	SAV36444	80
81	25D		07091		H7509	HNF2009-00149	SAV36444	81
82	25D		07098		H7607	HNF2009-00149	SAV36444	82

b(1)

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Load Crosswalk Group-25 4-7-2009

9975 ID 2	Top Gamma Contact	Top Gamma 1m	Top Neutron Contact	Top Neutron 1m	Bottom Gamma Contact	Bottom Gamma 1m	Bottom Neutron Contact	Bottom Neutron 1m	Side Gamma Contact	Side Gamma 1m	Side Neutron Contact	Side Neutron 1m	Material Form
06857	0.1	0.1	0.3	0.2	0.1	0.1	0.8	0.2	0.1	0.1	1.2	0.2	Oxides
06979	0.1	0.1	0.3	0.2	0.2	0.1	0.8	0.2	0.2	0.1	1.5	0.4	Oxides
06983	0.1	0.1	0.4	0.2	0.4	0.1	1.6	0.5	0.7	0.1	2.8	0.7	Oxides
07033	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.2	0.3	0.1	0.4	0.2	Oxides
07075	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.2	0.1	0.1	0.6	0.2	Oxides
07014	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.1	0.1	0.4	0.2	Oxides
07015	0.1	0.1	0.3	0.2	0.1	0.1	0.3	0.2	0.2	0.1	0.4	0.2	Oxides
07023	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.2	Oxides
07027	0.1	0.1	0.2	0.2	0.2	0.1	1.3	0.2	0.3	0.1	1.5	0.3	Oxides
07049	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.3	0.1	0.4	0.2	Oxides
06889	0.1	0.1	0.3	0.2	0.1	0.1	0.7	0.2	0.1	0.1	1.6	0.3	Oxides
06977	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.1	0.1	0.4	0.2	Oxides
06997	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.1	0.1	0.4	0.2	Oxides
07072	0.1	0.1	0.3	0.2	0.1	0.1	1.0	0.2	0.2	0.1	1.4	0.2	Oxides
07081	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.1	0.1	0.5	0.2	Oxides
06344	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.2	Oxides
07006	0.1	0.1	0.8	0.4	0.6	0.1	4.8	0.7	1.0	0.3	7.6	1.2	Oxides
07031	0.1	0.1	0.2	0.2	0.1	0.1	0.5	0.2	0.2	0.1	1.3	0.3	Oxides
07053	0.1	0.1	0.2	0.2	0.1	0.1	0.6	0.2	0.1	0.1	0.9	0.2	Oxides
07070	0.1	0.1	0.2	0.2	0.1	0.1	0.5	0.2	0.2	0.1	1.0	0.2	Oxides
06971	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	Oxides
07020	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	Oxides
07035	0.1	0.1	0.3	0.2	0.2	0.1	0.6	0.2	0.2	0.1	1.1	0.2	Oxides
07036	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.2	0.1	0.1	0.4	0.2	Oxides
07051	0.1	0.1	0.4	0.2	0.2	0.1	1.3	0.3	0.4	0.1	2.6	0.3	Oxides
07011	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.1	0.1	0.5	0.2	Oxides
07012	0.1	0.1	0.3	0.2	0.1	0.1	0.7	0.2	0.2	0.1	1.1	0.2	Oxides
07034	0.1	0.1	0.5	0.2	0.1	0.1	1.6	0.2	0.3	0.1	3.1	0.4	Oxides
07052	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.2	0.1	0.1	1.0	0.2	Oxides
07087	0.1	0.1	0.2	0.2	0.1	0.1	0.7	0.2	0.2	0.1	1.0	0.2	Oxides
06325	0.1	0.1	0.3	0.2	0.1	0.1	0.7	0.2	0.1	0.1	1.3	0.2	Oxides
07022	0.1	0.1	0.3	0.2	0.2	0.1	1.8	0.2	0.4	0.1	2.0	0.5	Oxides
07032	0.1	0.1	0.3	0.2	0.1	0.1	0.8	0.3	0.2	0.1	0.9	0.2	Oxides
07037	0.1	0.1	0.4	0.2	0.1	0.1	0.7	0.2	0.2	0.1	1.3	0.2	Oxides
07088	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.1	0.4	0.2	Oxides
06397	0.1	0.1	0.8	0.3	0.1	0.1	0.9	0.4	0.1	0.1	1.0	0.7	Oxides
06969	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.1	0.1	0.7	0.2	Oxides
06980	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.2	0.1	0.1	0.4	0.2	Oxides
07004	0.1	0.1	0.3	0.2	0.1	0.1	0.7	0.2	0.1	0.1	0.8	0.2	Oxides
07030	0.1	0.1	0.4	0.2	0.1	0.1	1.0	0.3	0.2	0.1	1.0	0.3	Oxides
06400	0.1	0.1	0.5	0.1	0.1	0.1	0.9	0.1	0.1	0.1	0.9	0.3	Oxides
06403	0.1	0.1	0.5	0.3	0.1	0.1	0.6	0.3	0.1	0.1	1.0	0.5	Oxides
06970	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.2	0.1	0.1	0.4	0.2	Oxides
07055	0.1	0.1	0.3	0.2	0.1	0.1	0.5	0.2	0.1	0.1	0.7	0.2	Oxides
07095	0.1	0.1	0.6	0.3	0.4	0.1	2.4	0.4	0.8	0.2	4.6	0.8	Oxides
06402	0.1	0.1	0.3	0.2	0.1	0.1	0.5	0.2	0.1	0.1	0.6	0.2	Oxides
06407	0.2	0.1	1.1	0.4	0.3	0.2	3.0	0.8	0.6	0.3	7.9	1.1	Oxides
06916	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.2	Oxides
07009	0.1	0.1	0.2	0.2	0.1	0.1	0.5	0.2	0.1	0.1	0.7	0.2	Oxides
07046	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	Oxides

DECLASSIFIED [redacted]

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[redacted]

Load Crosswalk Group-25 4-7-2009

9975 ID 2	Top Gamma Contact	Top Gamma 1m	Top Neutron Contact	Top Neutron 1m	Bottom Gamma Contact	Bottom Gamma 1m	Bottom Neutron Contact	Bottom Neutron 1m	Side Gamma Contact	Side Gamma 1m	Side Neutron Contact	Side Neutron 1m	Material Form
06398	0.1	0.1	0.1	0.2	0.1	0.1	0.4	0.2	0.1	0.1	0.6	0.2	Oxides
07021	0.1	0.1	0.5	0.2	0.1	0.1	0.5	0.2	0.1	0.1	0.5	0.2	Oxides
07073	0.1	0.1	0.4	0.1	0.1	0.1	0.6	0.1	0.1	0.1	0.8	0.3	Oxides
07094	0.1	0.1	0.5	0.1	0.1	0.1	0.6	0.1	0.1	0.1	0.7	0.3	Oxides
07097	0.1	0.1	0.3	0.2	0.1	0.1	0.5	0.2	0.1	0.1	1.0	0.2	Oxides
06956	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.2	0.1	0.1	0.5	0.2	Oxides
06978	0.1	0.1	0.3	0.2	0.1	0.1	0.3	0.2	0.1	0.1	0.3	0.2	Oxides
06981	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.1	0.1	0.5	0.2	Oxides
06984	0.1	0.1	0.2	0.2	0.1	0.1	0.5	0.2	0.2	0.1	0.9	0.2	Oxides
06996	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.2	Oxides
06396	0.1	0.1	0.2	0.2	0.1	0.1	0.5	0.2	0.1	0.1	1.0	0.2	Oxides
06986	0.4	0.1	1.7	0.7	0.4	0.2	6.0	0.8	1.0	0.3	11.8	1.5	Oxides
07045	0.2	0.1	0.7	0.3	0.4	0.2	2.4	0.6	0.8	0.3	6.4	0.8	Oxides
07066	0.1	0.1	0.4	0.2	0.1	0.1	0.4	0.2	0.3	0.1	1.2	0.2	Oxides
07105	0.1	0.1	0.3	0.2	0.1	0.1	1.2	0.3	0.2	0.1	2.0	0.3	Oxides
06399	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.2	0.2	0.1	0.6	0.2	Oxides
07042	0.1	0.1	1.1	0.3	0.2	0.1	5.3	0.8	0.6	0.1	11.0	1.7	Oxides
07043	0.1	0.1	0.3	0.2	0.1	0.1	0.6	0.2	0.2	0.1	1.0	0.3	Oxides
07057	0.1	0.1	0.4	0.2	0.1	0.1	1.5	0.4	0.2	0.1	3.3	0.5	Oxides
07074	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.1	0.4	0.2	Oxides
06401	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	Oxides
06406	0.1	0.1	0.7	0.3	0.3	0.1	3.5	0.4	0.5	0.2	5.8	0.7	Oxides
07056	0.1	0.1	1.1	0.2	0.3	0.1	4.5	1.0	0.5	0.1	11.2	1.0	Oxides
07092	0.1	0.1	0.5	0.2	0.3	0.1	1.5	0.4	0.5	0.1	3.6	0.6	Oxides
07093	0.1	0.1	0.6	0.4	0.3	0.1	2.0	0.6	0.5	0.2	4.8	0.7	Oxides
07044	0.1	0.1	1.2	0.3	0.3	0.2	3.5	0.8	0.7	0.2	9.7	1.2	Oxides
06999	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.2	0.1	0.1	0.6	0.2	Oxides
07013	0.1	0.1	0.2	0.2	0.1	0.1	0.7	0.2	0.1	0.1	0.7	0.2	Oxides
07054	0.1	0.1	0.6	0.3	0.2	0.1	1.6	0.4	0.3	0.1	3.6	0.5	Oxides
07090	0.1	0.1	0.2	0.2	0.1	0.1	0.6	0.2	0.2	0.1	0.7	0.2	Oxides
07091	0.1	0.1	0.2	0.2	0.1	0.1	0.6	0.2	0.2	0.1	0.8	0.2	Oxides
07098	0.1	0.1	0.3	0.2	0.1	0.1	0.7	0.3	0.2	0.1	1.2	0.3	Oxides

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ATTACHMENT 2 – Load Calculation Sheet for CRTs

Truck: 25A

Date Loaded: 4-12-09

b(2)

Trailer Model: SGT

Container Model: 9975

	CRT Number	CRT Net Weight (lbs)	Combined Dose Rate (mrem/hr)
Position 2	118	1932	2.2
Position 3	022	1943	1.6
Position 4	052	1937	1.6
Position 5	04000	1930	2.8
Position 6	560	1942	1.6

Single-High CRTs, less than 58 inches. Tiedowns per section 3.3.

Approvals:

Technical Authority: Brenda Pritchett (Print) [signature] (Signature) 4-12-09 (Date)

b(2)

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DECLASSIFIED WITH DELETIONS

[redacted]

C[redacted]

~~Official Use Only~~

ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 118 Truck 25 A CRT Position # 2

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
06979	387	.5
06983	380	.8
06857	388	.3
07075	385	.3
07033	392	.3
Total	1932	2.2

any order

Front

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Approvals:

Technical Authority: Brenda Pritchett Brenda Pritchett 3-17-09
Print Signature Date

b(2)

ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 022 Truck 25A [redacted] 3

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
07015	388	.3
07023	392	.3
07049	387	.3
07014	390	.3
07027	386	.4
Total	1943	1.6

any order

Front

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Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 3/17/09 (Date)

b (2)

ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 052 Truck 25A CRT Position 4

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
✓07081	385	.3
✓07072	388	.3
✓06889	389	.4
✓06997	387	.3
✓06977	388	.3
Total	1937	1.6

any order

Front

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Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 3-17-09 (Date)

b(2)

ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 04000 Truck 25A CRT Position 5

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
✓07053	388	.3
✓07006	382	1.5
✓06344	390	.3
✓07031	383	.4
✓07070	387	.3
Total	1930	2.8

any order

Front

DECLASSIFIED WITH DELETIONS

Approvals:

Technical Authority: Brenda Pritchett [signature] 3-17-09

Print Signature Date

b(2)

ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 560 Truck 25A CRT Position 6

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
✓07020	387	.3
✓07051	386	.4
✓07036	388	.3
✓07035	390	.3
✓06971	391	.3
Total	1942	1.6

any order

Front

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Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 3/17/09 (Date)

b(2)

25 A

[redacted]

HNF2009-00156

DEL

RADIOACTIVE SHIPMENT RECORD

3. Page of

4. Ship ☐ Prepaid ☐ Collect

Via motor

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1. SHIP FROM U.S. DEPT. OF ENERGY C/O

Company CH2MHill PRC

Address

City, State, Zip

Contact

Phone

2. SHIP TO ☑ U.S. DEPT. OF ENERGY C/O

Company Savannah River Site

Address

City, State, Zip

Attention

Phone

5. SHIPMENT AUTHORIZATION NUMBER HTA-DZA-25

6. EMERGENCY RESPONSE

Telephone

Emergency Response Guide(s) 165

7. Shipment DE-CI:

HM	8. Proper Shipping Name: RQ Radioactive Material,	PRIMARY HAZARD	SUBSIDIARY HAZARD	UN ID
	excepted package - empty packaging	7		UN2908
	excepted package - limited quantity of material	7		UN2910
	low specific activity (LSA-I)	7		UN2912
	low specific activity (LSA-II)	7		UN3321
	surface contaminated objects (SCO-I)	7		UN2913
	surface contaminated objects (SCO-II)	7		UN2913
	transported under special arrangement	7		UN2919
	transported under special arrangement, fissile	7		UN3331
	Type A Package	7		UN2915
	Type A Package, special form	7		UN3332
	Type B(U) Package, fissile	7		UN3328
	Type B(U) Package	7		UN2916
X	Type B(M) Package, fissile	7		UN3329

9. No. Pkg.	Model Package	COC/Spec	Serial No.	Seal No.	Isotopes	C.S.I.	T.I.	Bq/Package	Gr. Wt. Kg.
25	9975	USA/9975/B(M)F(DOE)	**	**	pu238, pu239, pu240, pu241, pu242, Am241	2.0	*	*	*

10. Identify for Normal Form Only

Physical Form: ☐ Liquid ☐ Solid ☐ Gas

Chemical Form: ☐ Elemental ☐ Metal ☐ Nitrate ☐ Oxide ☐ Mixture ☐ Other

11.

☐ Highway Route Controlled Quantity
☐ Exclusive Use Shipment with instructions
☐ Placards Applied
☐ Fissile Excepted, Grams
☐ UN ID Marking

12. LABELS APPLIED

☐ Empty ☐ Radioactive Yellow - II ☐ Fissile
☐ Radioactive White - I ☐ Radioactive Yellow - III

13. ADDITIONAL LABELS / MARKINGS

** See 741 Document for Detailed Info.
* Shipped for the purpose of National Security, 49CFR, 173.7(b)

b(2)

15. Surface Dose Rate or Package

☐ <0.005 or CRT mSv/hr
<0.5 or 6.5 mrem/hr (N+ß γ)

Dose Rate @ 1 Meter from Surface of Package

☐ <0.005 or — mSv/hr
<0.5 or 2.5 mrem/hr (N+ß γ)

Smears of Outer Container

☐ <4.0 Bq (220 dpm) ß γ /cm²
☐ <0.4 Bq (22 dpm) α /cm²
☒ <Tbl. 2-2 HSRCM Onsite Limits

TRUCK LOAD OR EXCLUSIVE USE

Surface ☒ <2 mSv/hr (200 mrem/hr)
@ 2 meters ☒ <0.1 mSv/hr (10 mrem/hr)
@ Cab or sleeper ☒ <0.02 mSv/hr (2 mrem/hr) (Using N+ß γ)

Additional Data and Instructions (inc. Readings on Internal Packaging)

Signature - Radiation Monitoring

Bldg. 773-62B

Survey No. Z-090412002

Date 4-12-09

TRANSPORTER

DRIVER SIGNATURE N/A

17. RECEIVER

RECEIVER SIGNATURE

Date

OFFSITE AUTHORIZATION

b(2)

19. AUTHORIZATION FOR SHIPMENT

AIR TRANSPORT CERTIFICATION ☒ N/A

CARGO AIRCRAFT: ☐ Cargo Aircraft Only Labels Applied

PASSENGER AIRCRAFT: ☐ Ltd Qty ☐ Research/Medical Diagnosis ☐ <3 T.I. ☐ Human Medical Research

Pkg. Dimensions (cm)

20. OFFSITE AUTHORIZATION

Tracking No.	Date Shipped	Routing	ETA
Surveyed By	Date	Approved for Shipment Offsite	Date

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NOTE: For "Via" block, choices are "Motor," "Rail," "Air Psgr.," "Air Cargo," "UPS," or "Site Carri[redacted] A-6003-214 (01/05)

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[redacted]

HNF2009-00156

PLUTONIUM FINISHING PLANT RADIOLOGICAL SURVEY REPORT	Survey Report No. Z-090412002	Page 1 of 2

Date	Time (Start/Stop)	Bldg./Room/Location
04/12/2009	0600/1800	234-5Z/2736ZB

RWP Number	Work Package/Job Control Package/JSA	Routine Task Number(s)	Radiological Shipping Record No.
Z-044/Z-001	NA	NA	NA

Purpose of Survey (check appropriate box(es)): ☑ Job Coverage ☐ Required Task ☐ Material Release ☐ RAM Shipment ☐ Exposure Incident ☐ HRA/VHRA Work ☐ Skin Contamination ☐ Clothing Contamination ☐ Spill ☐ CAM Alarm ☐ Other:

Job Description:
RCT Coverage for 2736Z-ZB

COPY

DOSE RATE MEASUREMENTS Note[1] F = Field 30 Conta 1 cm)

No.	Description	Dist. (	WC mrem/hr)		Neutron Dose (mrem/hr)	Deep Dose (mrem/hr)
1	Trailer 1	C	.2	1	.8	1
2	Trailer 1	2M	<.1	1	.5	.5
3	CRT – highest dose rate	C	1.5	1	5	6.5
4	CRT – highest dose rate	1M	.5	1	2	2.5
5						
6						
7						
8						
9						
10						

ALPHA CONTAMINATION MEASUREMENTS

No.	Description	Background (cpm)	Direct Gross (cpm/PA)	Total Direct (dpm/100 cm^2)	Removable (dpm/100 cm^2)
1	9975's	0	NA	NA	<20/NCD-LAW
2	Trailer 1 -empty	0	NA	NA	<20/NCD-LAW
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

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[redacted]

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A-6003-349 (REV 1)

DECLASSIFIED [redacted] HNF2009-00156 DEL

PLUTONIUM FINISHING PLANT RADIOLOGICAL SURVEY REPORT	Survey Report No. Z-090412002	Page 2 of 2

Map/Sketch

COPY

A

LEGEND: (#) Smear; (#) Large Area Wipe (LAW); (#) Air Sample; ---- Radiological Area Boundary; ☐ Field Dose Rate; * Contact Reading; Note: Dose Rates in mrem/hr unless otherwise noted.

COMMENTS: (Additional information as necessary to interpret results)
NCD/LAW=No Contamination Detected on a Large Area Wipe. All 9975's previously surveyed and tagged.

N

A

		PAM	RO-3B	NA	Rem-Ball	NA
Serial No.	Instrument	ACHN2-0165	ICEB3-0079	NA	CMEBD-1650	NA
	Probe	DTHN3-044	NA	NA	DTEBL-0022	NA
Efficiency (used)		16%	NA	NA	NA	NA

RCT Information

Date: 04/12/2009 Payroll No.: 6C477/69636/8D141

Name (Print): JL BERNESKI/DR BORUP/DM LOVE

Signature: [signature]

Reviewer Information

Date: 04/12/2009 Payroll No.: 8D720

Name (Print): BE WILLIAMSON

Signature: PER TELECOM

[redacted] DECLASSIFIED

~~OFFICIAL USE ONLY - Exemption 6~~

A-6003-349 (REV 1)

ATTACHMENT 2 – Load Calculation Sheet for CRTs

Truck: 25B

Date Loaded: 4-12-09

b(2)

Trailer Model: SGT

Container Model: 9975

	CRT Number	CRT Net Weight (lbs)	Combined Dose Rate (mrem/hr)
Position 2	04021	1933	1.7
Position 3	006	1939	1.8
Position 4	545	1938	2.1
Position 5	04003	1929	2.6
Position 6	104	1932	2.6

Single-High CRTs, less than 58 inches. Tiedowns per section 3.3.

Approvals:

Technical Authority: Brenda Pitchett (Print) Brenda Pitchett (Signature) 4-12-09 (Date)

b(2)

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[redacted]

ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 04021 Truck 25B [redacted] 2

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
✓ 07087	388	.3
✓ 07052	386	.3
✓ 07034	386	.5
✓ 07011	385	.3
✓ 07012	388	.3
Total	1933	1.7

any order

Front

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Approvals:

Technical Authority: Brenda Pritchett Brenda Pritchett 3-17-09

Print Signature Date

b(2)

[redacted]

ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 006 Truck 25B [redacted] 3

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
✓ 07088	389	.3
✓ 07037	389	.3
✓ 06325	388	.3
✓ 07022	384	.6
✓ 07032	389	.3
Total	1939	1.8

any order

Front

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Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 3-17-09 (Date) ~~b~~ AAP 3-17-09

b(2)

[redacted]

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ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 545 Truck 25B [redacted] 4

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
✓ 07030	386	.4
✓ 07004	387	.3
✓ 06397	388	.8
✓ 06969	393	.3
✓ 06986	384	.3
Total	1938	2.1

any order

Front

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Approvals:

Technical Authority: Brenda Pritchett Brenda Pritchett 3/30/09

Print Signature Date

b(2)

ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 04003 Truck 25B [redacted] 5

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
√06400	386	.4
√07095	382	1.0
√06403	386	.6
√07055	384	.3
√06970	391	.3
Total	1929	2.6

any order

Front

DECLASSIFIED WITH DELETIONS

Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 3/30/09 (Date)

b(2)

ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 104 Truck 25B [redacted] 6

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
V06407	388	1.4
V06916	387	.3
V06402	383	.3
V07009	390	.3
V07046	384	.3
Total	1932	2.6

any order

Front

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Approvals:

Technical Authority: Brenda Pritchett Brenda Pritchett 3/30/09
Print Signature Date

b(2)

Signature

[redacted]

25B [redacted] HNF2009-00150 DEL

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RADIOACTIVE SHIPMENT RECORD

3. Page of 4. Shipment ☐ Prepaid ☐ Collect Via Motor

1. SHIP FROM U.S. DEPT. OF ENERGY C/O	2. SHIP TO ☑ U.S. DEPT. OF ENERGY C/O	5. SHIPMENT AUTHORIZATION NUMBER HTA-DZA-25
Company CH2MHill PRC	Company Savannah River Site	6. EMERGENCY RESPONSE
Address	Address	Telephone
City, State, Zip	City, State, Zip	Emergency Response Guide(s) 165
Contact	Attention	7. Shipment DE-CI:
Phone	Phone	

HM	8. Proper Shipping Name: BQ Radioactive Material,	PRIMARY HAZARD	SUBSIDIARY HAZARD	UN ID
	excepted package - empty packaging	7		UN2908
	excepted package - limited quantity of material	7		UN2910
	low specific activity (LSA-I)	7		UN2912
	low specific activity (LSA-II)	7		UN3321
	surface contaminated objects (SCO-I)	7		UN2913
	surface contaminated objects (SCO-II)	7		UN2913
	transported under special arrangement	7		UN2919
	transported under special arrangement, fissile	7		UN3331
	Type A Package	7		UN2915
	Type A Package, special form	7		UN3332
	Type B(U) Package, fissile	7		UN3328
	Type B(U) Package	7		UN2916
X	Type B(m) Package, fissile	7		UN3329

9. No. Pkg.	Model Package	COC/Spec	Serial No.	Seal No.	Isotopes	C.S.I.	T.I.	Bq/Package	Gr. Wt. Kg.
25	9975	USA/9975/B(m)F(DOE)	**	**	Pu238, Pu239, Pu240, Pu241, Pu242, Am241	2.0	*	*	*

10. Identify for Normal Form Only	11.	12. LABELS APPLIED
Physical Form: ☐ Liquid ☐ Solid ☐ Gas	☐ Highway Route Controlled Quantity	☐ Empty ☐ Radioactive Yellow - II ☐ Fissile
Chemical Form: ☐ Elemental ☐ Metal ☐ Nitrate ☐ Oxide ☐ Mixture ☐ Other	☐ Exclusive Use Shipment with instructions	☐ Radioactive White - I ☐ Radioactive Yellow - III
	☐ Placards Applied	13. ADDITIONAL LABELS / MARKINGS
	☐ Fissile Excepted, Grams	**See 741 Document for Detailed Info,
	☐ UN ID Marking	* Shipped for the purpose of National Security 49 CFR 173.7(b)

b(2)

15. Surface Dose Rate of Package	Dose Rate @ 1 Meter from Surface of Package	Smears of Outer Container	TRUCK LOAD OR EXCLUSIVE USE
☐ <0.005 or CRT mSv/hr	☐ <0.005 or CRT mSv/hr	☐ <4.0 Bq (220 dpm) ß γ /cm²	Surface ☒ <2 mSv/hr (200 mrem/hr)
<0.5 or 4.1 mrem/hr (N+ß γ)	<0.5 or 1.7 mrem/hr (N+ß γ)	☐ <0.4 Bq (22 dpm) α /cm²	@ 2 meters ☒ <0.1 mSv/hr (10 mrem/hr)
		☒ <Tbl. 2-2 HSRCM Onsite Limits	@ Cab or sleeper ☒ <0.02 mSv/hr (2 mrem/hr) (Using N+ß γ)

Additional Data and Instructions (inc. Readings on Internal Packaging)

Signature - Radiation Monitoring	Bldg.	Survey No.	Date
	2736ZB	Z-090412003	4/12/09

16. TRANSPORTER	17. RECEIVER	
DRIVER SIGNATURE N/A	RECEIVER SIGNATURE	Date

OFFSITE AUTHORIZATION

b(2)

19. AUTHORIZATION FOR SHIPMENT

AIR TRANSPORT CERTIFICATION	CARGO AIRCRAFT	PASSENGER AIRCRAFT	Pkg. Dimensions (cm)
☑ N/A	☐ Cargo Aircraft Only Labels Applied	☐ Ltd Qty ☐ Research/Medical Diagnosis ☐ <3 T.I. ☐ Human Medical Research	

20. OFFSITE AUTHORIZATION

Tracking No.	Date Shipped	Routing	ETA
Surveyed By	Date	Approved for Shipment Offsite	Date

DECLASSIFIED WITH DELETIONS

NOTE: For "Via" block, choices are "Motor," "Rail," "Air Psgr.," "Air Cargo," "UPS," or "Site Carrier" [redacted]-6003-214 (01/05)

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[redacted]

HNF2009-00156

DEI

PLUTONIUM FINISHING PLANT RADIOLOGICAL SURVEY REPORT

Survey Report No. **Z-090412003**

Date	Time (Start/Stop)	Bldg./Room/Location
04/12/2009	0600/1800	234-5Z/2736ZB

RWP Number	Work Package/Job Control Package/JSA	Routine Task Number(s)	Radiological Shipping Record No.
Z-044/Z-001	NA	NA	NA

Purpose of Survey (check appropriate box(es)): ☑ Job Coverage ☐ Required Task ☐ Material Release ☐ RAM Shipment ☐ Exposure Incident ☐ HRA/VHRA Work ☐ Skin Contamination ☐ Clothing Contamination ☐ Spill ☐ CAM Alarm ☐ Other:

Job Description:
RCT Coverage for 2736Z-ZB

COPY

DOSE RATE MEASUREMENTS Note[1] Field 30 cm C = Contact (≤1 cm)

No.	Description	Dist. (cm) see Note[1]	WC (mrem/hr)	CF γ	Neutron Dose (mrem/hr)	Deep Dose (mrem/hr)
1	Trailer 2	C	.2	1	.6	.8
2	Trailer 2	2M	<.1	1	.2	.2
3	CRT – highest dose rate	C	1	1	3.1	4.1
4	CRT – highest dose rate	1M	.4	1	1.3	1.7
5						
6						
7						
8						
9						
10						

N/A

ALPHA CONTAMINATION MEASUREMENTS

No.	Description	Background (cpm)	Direct Gross (cpm/PA)	Total Direct (dpm/100 cm²)	Removable (dpm/100 cm²)
1	9975's	0	NA	NA	<20/NCD-LAW
2	Trailer 2 -empty	0	NA	NA	<20/NCD-LAW
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

N/A

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[redacted]

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A-6003-349 (REV 1)

[redacted]

HNF2009-00156

PLUTONIUM FINISHING PLANT RADIOLOGICAL SURVEY REPORT	Survey Report No. Z-090412003	Page 2 of 2

Map/Sketch

COPY

N/A

LEGEND: (#) Smear; (#) Large Area Wipe (LAW); (#) Air Sample; ---- Radiological Area Boundary; ☐ Field Dose Rate; * Contact Reading; Note: Dose Rates in mrem/hr unless otherwise noted.

COMMENTS: (Additional information as necessary to interpret results)
NCD/LAW=No Contamination Detected on a Large Area Wipe. All 9975's previously surveyed and tagged.

N/A

		PAM	RO-3B	NA	Rem-Ball	NA
Serial No.	Instrument	ACHN2-0165	ICEB3-0079	NA	CMEBD-1650	NA
	Probe	DTHN3-044	NA	NA	DTEBL-0022	NA
Efficiency (used)		16%	NA	NA	NA	NA

RCT Information

Date: 04/12/2009 Payroll No.: 6C477/69636/8D141

Name (Print): JL BERNESKI/DR BORUP/DM LOVE

Signature: [signature]

Reviewer Information

Date: 04/12/2009 Payroll No.: 8D720

Name (Print): BE WILLIAMSON

Signature: PER TELECOM

DECLASSIFIED

[redacted]

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A-6003-349 (REV 1)

ATTACHMENT 2 – Load Calculation Sheet for CRTs

Truck: 25C

Date Loaded: 4-12-09

b(2)

Trailer Model: SGT

Container Model: 9975

	CRT Number	CRT Net Weight (lbs)	Combined Dose Rate (mrem/hr)
Position 2	047	1935	1.7
Position 3	561	1948	1.5
Position 4	547	1938	3.9
Position 5	035	1935	3.9
Position 6	517	1931	3.9

Single-High CRTs, less than 58 inches. Tiedowns per section 3.3.

Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 4-12-09 (Date)

b(2)

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[redacted]

ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 047 Truck 25C CRT Position 2

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
✓07097	388	.3
✓07073	387	.4
✓07094	386	.4
✓06398	387	.3
✓07021	387	.3
Total	1935	1.7

any order

Front

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Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 3/30/09 (Date)

b(2)

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ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 561 Truck 25C CRT Position 3

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
✓ 06984	391	.3
✓ 06981	391	.3
✓ 06956	387	.3
✓ 06978	389	.3
✓ 06996	390	.3
Total	1948	1.5

any order

Front

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Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 3/30/09 (Date)

b(2)

ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 547 Truck 25C [redacted] 4

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
V06396	388	.3
V07045	390	1.1
V07105	382	.4
V06986	389	1.8
V07066	389	.3
Total	1938	3.9

any order

Front

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Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 3/30/09 (Date)

b(2)

[redacted]

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ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 035 Truck 25C [redacted] 5

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
✓ 07043	388	.4
✓ 07042	389	1.8
✓ 07057	385	.6
✓ 07074	386	.3
✓ 06399	387	.3
Total	1935	3.4

any order

Front

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Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 3/30/09 (Date)

b(2)

ATTACHMENT 1 – CRT Loading Approval Sheet

CRT Number 517 Truck 25C [redacted] 6

9975 Number	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
✓ 07056	388	1.1
✓ 07092	384	.7
✓ 07093	390	.9
✓ 06401	382	.3
✓ 06406	387	.9
Total	1931	3.9

any order

Front

DECLASSIFIED WITH DELETIONS

Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 3/30/09 (Date)

b(2)

25 C

[redacted]

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HNF2009-00156

RADIOACTIVE SHIPMENT RECORD

3. Page of | Ship | Prepaid | Collect | Via Motor

DEL

1. SHIP FROM U.S. DEPT. OF ENERGY C/O

Company CH2MHill PRC

Address

City, State, Zip

Contact

Phone

2. SHIP TO ☐ U.S. DEPT. OF ENERGY C/O

Company Savannah River Site

Address

City, State, Zip

Attention

Phone

5. SHIPMENT AUTHORIZATION NUMBER HTA-DZA-25

6. EMERGENCY RESPONSE

Telephone

Emergency Response Guide(s) 765

7. Shipment DE-Ci:

HM	8. Proper Shipping Name: RQ Radioactive Material,	PRIMARY HAZARD	SUBSIDIARY HAZARD	UN ID
	excepted package - empty packaging	7		UN2908
	excepted package - limited quantity of material	7		UN2910
	low specific activity (LSA-I)	7		UN2912
	low specific activity (LSA-II)	7		UN3321
	surface contaminated objects (SCO-I)	7		UN2913
	surface contaminated objects (SCO-II)	7		UN2913
	transported under special arrangement	7		UN2919
	transported under special arrangement, fissile	7		UN3331
	Type A Package	7		UN2915
	Type A Package, special form	7		UN3332
	Type B(U) Package, fissile	7		UN3328
	Type B(U) Package	7		UN2916
X	Type B(M) Package, fissile	7		UN 3329

9. No. Pkg.	Model Package	COC/Spec	Serial No.	Seal No.	Isotopes	C.S.I.	T.I.	Bq/Package	Gr. Wt. Kg.
25	9975	USA/9975/B(M)F(DOE)	**	**	Pu238, Pu239, Pu240, Pu241, Pu242, Am241	2.0	*	*	*

10. Identify for Normal Form Only

Physical Form: ☐ Liquid ☐ Solid ☐ Gas

Chemical Form: ☐ Elemental ☐ Metal ☐ Nitrate ☐ Oxide ☐ Mixture ☐ Other

11.

☐ Highway Route Controlled Quantity
☐ Exclusive Use Shipment with instructions
☐ Placards Applied
☐ Fissile Excepted, Grams
☐ UN ID Marking

12. LABELS APPLIED

☐ Empty ☐ Radioactive Yellow - II ☐ Fissile
☐ Radioactive White - I ☐ Radioactive Yellow - III

13. ADDITIONAL LABELS / MARKINGS

*See 741 Documents for Detailed Info.
*Shipped for the purpose of National Security, 49 CFR 173.7(b)

b(2)

15. Surface Dose Rate of Package

☐ <0.005 or CRT mSv/hr
<0.5 or 11.1 mrem/hr (N+ß γ)

Dose Rate @ 1 Meter from Surface of Package

☐ <0.005 or CRT mSv/hr
<0.5 or 3.4 mrem/hr (N+ß γ)

Smears of Outer Container

☐ <4.0 Bq (220 dpm) ß γ /cm²
☐ <0.4 Bq (22 dpm) α /cm²
☒ <Tbl. 2-2 HSRCM Onsite Limits

TRUCK LOAD OR EXCLUSIVE USE

Surface ☒ <2 mSv/hr (200 mrem/hr)
@ 2 meters ☒ <0.1 mSv/hr (10 mrem/hr)
@ Cab or sleeper ☒ <0.02 mSv/hr (2 mrem/hr) (Using N+ß γ)

Additional Data and Instructions (inc. Readings on Internal Packaging)

Signature - Radiation Monitoring

Bldg. 213623 | Survey No. Z-090412004 | Date 4/12/09

TRANSPORTER

DRIVER SIGNATURE N/A

17. RECEIVER

RECEIVER SIGNATURE | Date

OFFSITE AUTHORIZATION

b(2)

[redacted]

19. AUTHORIZATION FOR SHIPMENT

AIR TRANSPORT CERTIFICATION: ☒ N/A

CARGO AIRCRAFT: ☐ Cargo Aircraft Only Labels Applied

PASSENGER AIRCRAFT: ☐ Ltd Qty ☐ Research/Medical Diagnosis ☐ <3 T.I. ☐ Human Medical Research

Pkg. Dimensions (cm)

20. OFFSITE AUTHORIZATION

Tracking No.	Date Shipped	Routing
Surveyed By	Date	Approved for Shipment Offsite

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[redacted]

DECLASSIFIED

CO[redacted]

HNF2009-00156

DEL

PLUTONIUM FINISHING PLANT RADIOLOGICAL SURVEY REPORT

Survey Report No. **Z-090412004**

Page 1 of __

Date	Time (Start/Stop)	Bldg./Room/Location
04/12/2009	0600/1800	234-5Z/2736ZB

RWP Number	Work Package/Job Control Package/JSA	Routine Task Number(s)	Radiological Shipping Record No.
Z-044/Z-001	NA	NA	NA

Purpose of Survey (check appropriate box(es)): ☑ Job Coverage ☐ Required Task ☐ Material Release ☐ RAM Shipment ☐ Exposure Incident ☐ HRA/VHRA Work ☐ Skin Contamination ☐ Clothing Contamination ☐ Spill ☐ CAM Alarm ☐ Other:

Job Description:
RCT Coverage for 2736Z-ZB

COPY

DOSE RATE MEASUREMENTS

Note[1] F = Field (>30 cm) C = Contact (≤1 cm)

No.	Description	Dist. (cm) see Note[1]	WC (mrem/hr)	CF γ	Neutron Dose (mrem/hr)	Deep Dose (mrem/hr)
1	Trailer 3	C	.3	1	1.7	2
2	Trailer 3	2M	<.1	1	.9	.9
3	CRT – highest dose rate	C	1	1	10	11
4	CRT – highest dose rate	1M	.4	1	3	3.4
5						
6						
7						
8						
9						
10						

ALPHA CONTAMINATION MEASUREMENTS

No.	Description	Background (cpm)	Direct Gross (cpm/PA)	Total Direct (dpm/100 cm²)	Removable (dpm/100 cm²)
	9975's	0	NA	NA	<20/NCD-LAW
	Trailer 3 -empty	0	NA	NA	<20/NCD-LAW
0					
1					
2					
3					
4					
5					

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CO[redacted]

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A-6003-349 (REV 1)

[redacted]AL DECLASSIFIED HNF2009-00156 DEL

PLUTONIUM FINISHING PLANT RADIOLOGICAL SURVEY REPORT	Survey Report No. Z-090412004	Page 2 of 2

Map/Sketch

COPY

LEGEND: (#) Smear; (#) Large Area Wipe (LAW); (#) Air Sample; ---- Radiological Area Boundary; ☐ Field Dose Rate; * Contact Reading; Note: Dose Rates in mrem/hr unless otherwise noted.

COMMENTS: (Additional information as necessary to interpret results)
NCD/LAW=No Contamination Detected on a Large Area Wipe. All 9975's previously surveyed and tagged.

		PAM	RO-3B	NA	Rem-Ball	NA
Serial No.	Instrument	ACHN2-0165	ICEB3-0079	NA	CMEBD-1650	NA
	Probe	DTHN3-044	NA	NA	DTEBL-0022	NA
Efficiency (used)		16%	NA	NA	NA	NA

RCT Information

Date: 04/12/2009 Payroll No.: 6C477/69636/8D141

Name (Print): JL BERNESKI/DR BORUP/DM LOVE

Signature: [illegible]

Reviewer Information

Date: 04/12/2009 Payroll No.: 8D720

Name (Print): BE WILLIAMSON

Signature: PER TELECOM

[redacted] DECLASSIFIED

~~OFFICIAL USE ONLY – Exemption 3~~

A-6003-349 (REV 1)

CRT/SGT Loading Requirements for 9975 Shipment

ATTACHMENT 3 – Load Calculation Sheet for Single Tiedown

Truck 25D Date Loaded 4-12-09 b(2)

9975 Number	Location	Gross Weight (lbs)	Dose Rate (mrem/hr) (Gamma + neutron at 1 meter)
07091		384	.3
07054		383	.6
06999		384	.3
07098		385	.4
07090		385	.3
07013		387	.3
07044*	22	385	1.4
Total			

Notes: * 9975-07044 contains the 3013 that was not leak tested at time of closure, but was subsequently leak tested. This item needs to be in the very back of the truck.

Other items may be positioned in any order, and may be spread out leaving ample space around 07044.

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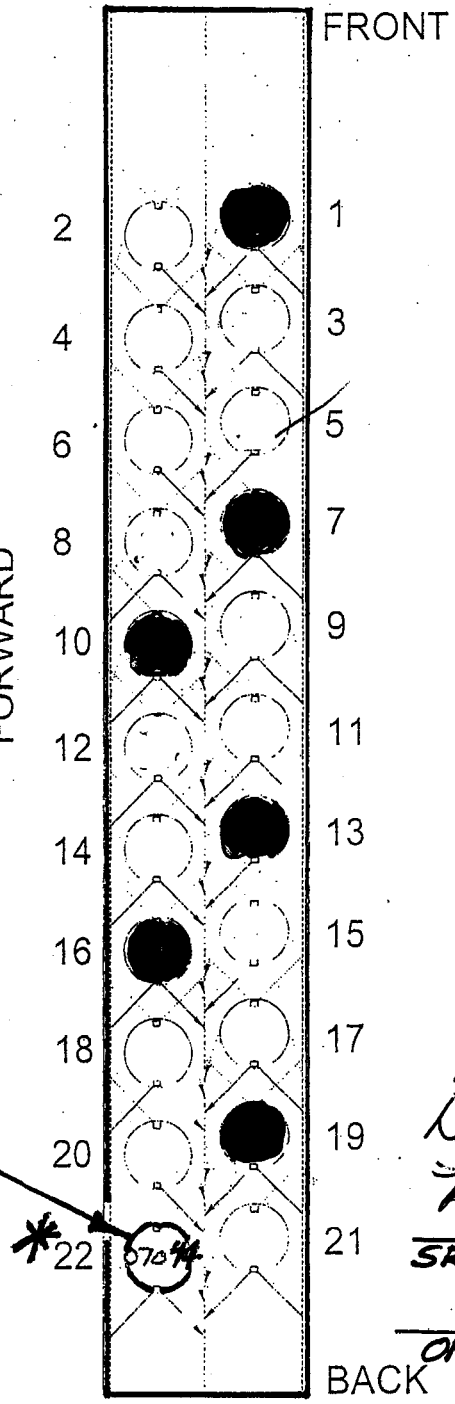
Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 3/30/09 (Date)

b(2)

REFERENCE:
HNF2009-00156
SAV#36444

Figure 1



DRUM 07044

LOADED AS SHOWN ON:

4-12-09 C L Torelli

DATE: VERIFIED BY: C Torelli

R Wilkowski R Wilkowski

MANAGER CHPRC 4/12/09
RE-INVENTORY

DRUM 07044

b(2)

Jim Clark 4/12/09
per telecon with
Lewis M.
Mike Meigs 4/12/09

SRNS APPROVAL

4/12/09

ON DATE:

DECLASSIFIED WITH DELETIONS

[redacted]

* 9975-07044 contains the 3013 that was not leak tested at time of closure, but was subsequently leak tested. This item needs to be in [redacted] the very back of the truck.

[redacted] other items may be positioned in any order. ACTUAL LOADING

24 (b2)

25D

[redacted] DECLASSIFIED WITH DELETIONS

HNF2009-00156

RADIOACTIVE SHIPMENT RECORD

3. Page of | 4. Shipment ☐ Prepaid ☐ Collect | Via Motor

DEL

1. SHIP FROM U.S. DEPT. OF ENERGY C/O	2. SHIP TO ☐ U.S. DEPT. OF ENERGY C/O	5. SHIPMENT AUTHORIZATION NUMBER HTA-DZA-25
Company CH2M Hill PRC	Company Savannah River Site	6. EMERGENCY RESPONSE
Address	Address	Telephone
City, State, Zip	City, State, Zip	Emergency Response Guide(s) 165
Contact	Attention	7. Shipment DE-CI:
Phone	Phone	

HM	8. Proper Shipping Name: RQ Radioactive Material,	PRIMARY HAZARD	SUBSIDIARY HAZARD	UN ID
	excepted package - empty packaging	7		UN2908
	excepted package - limited quantity of material	7		UN2910
	low specific activity (LSA-I)	7		UN2912
	low specific activity (LSA-II)	7		UN3321
	surface contaminated objects (SCO-I)	7		UN2913
	surface contaminated objects (SCO-II)	7		UN2913
	transported under special arrangement	7		UN2919
	transported under special arrangement, fissile	7		UN3331
	Type A Package	7		UN2915
	Type A Package, special form	7		UN3332
	Type B(U) Package, fissile	7		UN3328
	Type B(U) Package	7		UN2916
X	Type B(m) Package, fissile	7		UN3329

No. Pkg.	Model Package	COC/Spec	Serial No.	Seal No.	Isotopes	C.S.I.	T.I.	Bq/Package	Gr. Wt. Kg.
7	9975	USA/9975/B(M)F(DOE)	**	**	Pu238 Pu239 Pu240 Pu241 Pu242 Am241	2.0	*	*	*

10. Identify for Normal Form Only	11.	12. LABELS APPLIED
Physical Form: ☐ Liquid ☐ Solid ☐ Gas	☐ Highway Route Controlled Quantity	☐ Empty ☐ Radioactive Yellow - II ☐ Fissile
	☐ Exclusive Use Shipment with instructions	☐ Radioactive White - I ☐ Radioactive Yellow - III
Chemical Form: ☐ Elemental ☐ Metal	☐ Placards Applied	13. ADDITIONAL LABELS / MARKINGS
☐ Nitrate ☐ Oxide	☐ Fissile Excepted, Grams	**See 741 Document for Detailed Info.
☐ Mixture ☐ Other	☐ UN ID Marking	*Shipped for the perpose of National Security. 49CFR 173.7(b)

b(2)

15. Surface Dose Rate of Package	Dose Rate @ 1 Meter from Surface of Package	Smears of Outer Container	TRUCK LOAD OR EXCLUSIVE USE
☐ <0.005 or 9975 mSv/hr	☐ <0.005 or 9975 mSv/hr	☐ <4.0 Bq (220 dpm) ß γ /cm²	Surface ☒ <2 mSv/hr (200 mrem/hr)
<0.5 or 3.9 mrem/hr (N+ß γ)	<0.5 or 0.6 mrem/hr (N+ß γ)	☐ <0.4 Bq (22 dpm) α /cm²	@ 2 meters ☒ <0.1 mSv/hr (10 mrem/hr)
Additional Data and Instructions (Inc. Readings on Internal Packaging)		☒ <Tbl. 2-2 HSRCM Onsite Limits	@ Cab or sleeper ☒ <0.02 mSv/hr (2 mrem/hr) (Using N+ß γ)

Signature - Radiation Monitoring	Bldg.	Survey No.	Date
	7362B	Z-090412005	4/12/09

16. TRANSPORTER	17. RECEIVER	
DRIVER SIGNATURE N/A	RECEIVER SIGNATURE	Date

OFFSITE AUTHORIZATION

b(2)

18. AUTHORIZATION FOR SHIPMENT

AIR TRANSPORT CERTIFICATION	CARGO AIRCRAFT	PASSENGER AIRCRAFT	Pkg. Dimensions (cm)
☒ N/A	☐ Cargo Aircraft Only Labels Applied	☐ Ltd Qty ☐ Research/Medical Diagnosis ☐ <3 T.I. ☐ Human Medical Research	

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19. OFFSITE AUTHORIZATION

Tracking No.	Date Shipped	Routing/[redacted]	ETA
Surveyed By	Date	Approved for Shipment Offsite	Date

(b2)

NOTE: For "Via" block, choices are "Motor," "Rail," "Air Pssr," "Air Cargo," "UPS," or "Site Carrier." [redacted] A-6003-214 (01/05)

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HNF2009-00156

PLUTONIUM FINISHING PLANT RADIOLOGICAL SURVEY REPORT

Survey Report No. Z-090412005

COPY

Date	Time (Start/Stop)	Bldg./Room/Location
04/12/2009	0600/1800	234-5Z/2736ZB

RWP Number	Work Package/Job Control Package/JSA	Routine Task Number(s)	Shipping Record No.
Z-044/Z-001	NA	NA	NA

Purpose of Survey (check appropriate box(es)): ☑ Job Coverage ☐ Required [illegible] ☐ Material Release ☐ RAM Shipment

☐ Exposure Incident ☐ HRA/VHRA Work ☐ Skin Contamination ☐ Clothing Contamination ☐ Spill ☐ CAM Alarm

☐ Other:

Job Description:
RCT Coverage for 2736Z-ZB

DOSE RATE MEASUREMENTS Note[1] F = Field (>30 cm) C = Contact (≤1 cm)

No.	Description	Dist. (cm) see Note[1]	WC (mrem/hr)	CF γ	Neutron Dose (mrem/hr)	Deep Dose (mrem/hr)
1	Trailer 4	C	.1	1	.3	.4
2	Trailer 4	2M	<.1	1	<.2	<.2
3	9975 – highest dose rate	C	.4	1	3.5	3.9
4	9975 – highest dose rate	1M	.1	1	.5	.6
5						
6						
7						
8						
9						
10						

ALPHA CONTAMINATION MEASUREMENTS

No.	Description	Background (cpm)	Direct Gross (cpm/PA)	Total Direct (dpm/100 cm²)	Removable (dpm/100 cm²)
1	9975's	0	NA	NA	<20/NCD-LAW
2	Trailer 4 -empty	0	NA	NA	<20/NCD-LAW
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

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[redacted]

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DECLASSIFIED [redacted]

HNF2009-00156

PLUTONIUM FINISHING PLANT RADIOLOGICAL SURVEY REPORT	Survey Report No. Z-090412005	Page 2 of 2 DEL

Map/Sketch

COPY

LEGEND: (#) Smear; (#) Large Area Wipe (LAW); (#) Air Sample; ---- Radiological Area Boundary; ☐ Field Dose Rate; * Contact Reading; Note: Dose Rates in mrem/hr unless otherwise noted.

COMMENTS: (Additional information as necessary to interpret results)
NCD/LAW=No Contamination Detected on a Large Area Wipe. All 9975's previously surveyed and tagged.

		PAM	RO-3B	NA	Rem-Ball	NA
Serial No.	Instrument	ACHN2-0165	ICEB3-0079	NA	CMEBD-1650	NA
	Probe	DTHN3-044	NA	NA	DTEBL-0022	NA
Efficiency (used)		16%	NA	NA	NA	NA

RCT Information

Date: 04/12/2009 Payroll No.: 6C477/69636/8D141

Name (Print): JL BERNESKI/DR BORUP/DM LOVE

Signature:

Reviewer Information

Date: 04/12/2009 Payroll No.: 8D720

Name (Print): BE WILLIAMSON

Signature: PER TELECOM

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[redacted]

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A-6003-349 (REV 1)

CLASSIFICATION	ID Number
[redacted] DECLASSIFIED WITH DELETIONS	HNF2009-00162 DEL
	This document consists of 23 pages.
Company FLUOR HANFORD, INC.	
Address P. O. BOX 1111, RICHLAND, WA 99352	Document Date 04/13/2009
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Author M. N. SERIER	RECEIVED/PROCESSED APR 12 2010 CLASSIFIED DOCUMENT CONTROL
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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1st Review Date: 9/17/09 — Determination: Circle Number(s)
Authority: ☐ AOC ☒ ADC ☐ ADD — (1) Classification Retained
Name: Gary B. Hulse — (2) Classification Changed To: Declassified with Deletions
2nd Review Date: 9/17/09 — (3) Contains No DOE Classified Info
Authority: CG-SS-4, Chg6 — (4) Coordinate With:
Name: DEAN SCOTT — (5) Classification Cancelled
(6) Classified Info Bracketed
(7) Other (Specify):

Classified Redacted. Removed classified

Redacted by D Brigio NAVARRO Research & Engr. 4/9/2010

CLASSIFIER: TL Welsh / TL Welsh DATE: 4-14-09
WORK TITLE: Safeguards Scientist
DERIVED FROM: CG-SS-4 Chg 6 (Guide) 9/2000 (Date) DOE/OC
Declassify On: 25X2: When Declassified by DOE

[redacted] REVIEW FOR RESTRICTED [redacted] REQUIRED prior to [redacted] per [redacted] section [redacted]

[redacted]

THE CONTENTS OF THIS PAGE ARE UNCLASSIFIED

CLASSIFICATION

DECLASSIFIED WITH DELETIONS

A-6001-972 (REV 1)

AUTHORIZ[redacted] CFR 30, 40, 50, 70, 72, 74, 75, 150. [redacted]
Public Laws 8[redacted]3, 93-438, 95-91.

NUCLEAR MATERIAL TRANSACTION REPORT

accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e[redacted] to the Records Management Branch (T-6 E6), 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.

1. SHIPPER'S RIS	2. RECEIVER'S RIS	3. TRANSACTION NO.	4. CORRECTION NO.	5. PROCESSING CODE
HTC	DZA	251		a. SHIPPER A

6. ACTION CODE: a. RECEIVER; a. SHIPPER A; b. RECEIVER

7. DOCUMENTATION (Only if document is classified SECRET): PAGE 1 OF 4 PAGES; COPY OF COPIES; SERIES

10. NO OF DATA LINES 98

11. NATURE OF TRANSACTION

12.a. SHIPPED FOR ACCOUNT OF; b. RIS

13.a. SHIPPED TO ACCOUNT OF; b. RIS

NO.	DISTRIBUTION OF COPIES
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2	DZA
3	HAA
4	HTC FINANCE
5	HTC CDC
6	
7	
8	
9	

b(2)

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14. TRANSFER AUTHORITY-CONTRACT, NM DRAFT, OR ORDER NUMBER
DE-AC06-08RL14788

15. EXPORT OR IMPORT TRANSFERS: LICENSE NO.

16. MATERIAL TYPE AND DESCRIPTION
PuO2 Total Pu LE 365.1 Total Pu Iso 349.1

23a. MISCELLANEOUS
SAV # 36444 Total U LE 3237.1 Total U Iso 1757.5

b. CONCISE NOTE ATTACHED [ ]

c. UK REPORTABLE? [ ] YES [X] NO

17. LINE NUMBER	18. COUNTRY OF OBLIGATION	19. MATERIAL TYPE	20. OBLIGATED ELEMENT WEIGHT	21. OBLIGATED ISOTOPE WEIGHT (For Enriched Uranium Only)

24. TOTAL GROSS WEIGHT 8777

25. TOTAL VOLUME (Waste Transfers Only) 0

22. ACTION DATE	MONTH (MM)	DAY (DD)	YEAR (YYYY)
a. SHIPMENT	04	12	2009
b. SHIPPER'S CORRECTION			
c. RECEIPT			
d. RECEIVER'S MEASUREMENT			
e. RECEIVER'S CORRECTION			

b(1)

26s. SHIPPER'S DATA ^^^ SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED Mary Series 4/13/09

27s. RECEIVER'S DATA VVV 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.

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DOE/NRC FORM 741
(5-2002) Pr[illegible]itions are obsolete.
MANDATO[illegible] COLLECTION
AUTHORIZ[illegible] CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws [illegible], 93-438, 95-91.

[redacted] U.S. DEPARTMENT O[illegible]
AND
[illegible]S. NUCLEAR REGULA[illegible] MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Continuation Page)

APPROVED BY OMB: NO. 3150-0003 EX[illegible] 05/31/2005

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informa[illegible]uired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden [illegible] to the Records Management Branch (T-6 E6), 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.

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Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informat ired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e to the Records Management Branch (T-6 E6), 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.

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MANDATO COLLECTION
AUTHORIZ CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 8 93-438, 95-91.

CONFIDEN S. NUCLEAR REGULATOR MISSION

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NUCLEAR MATERIAL TRANSACTION REPORT
(Continuation Page)

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MANDATOI COLLECTION
AUTHORIZE CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 83-, 93-438, 95-91.

[redacted] U.S. NUCLEAR REGULATOR MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

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TRANSFER SERIES: SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	251	

LINE NO.	MAT TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
					CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=388.4 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
					CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10697 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
			C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7571 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
51	54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
					WEIGHT %=0.0309 RandomLOE=
					WEIGHT %=89.5209 RandomLOE=15.5
					WEIGHT %=10.1057 RandomLOE=
					WEIGHT %=0.2521 RandomLOE=
					WEIGHT %=0.0904 RandomLOE=
52	36	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
					WEIGHT %=49.76 RandomLOE=278.1
					CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=390.4 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
					CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11120 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
			C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7504 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
33	25	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
					WEIGHT %=2.28 RandomLOE=21.4
34	57	HEY124211M		04/01/2009	OWNER=G RandomLOE=
					WEIGHT %=0.4403 RandomLOE=
					WEIGHT %=77.4768 RandomLOE=13.5
					WEIGHT %=19.4005 RandomLOE=
					WEIGHT %=1.1853 RandomLOE=
					WEIGHT %=1.4971 RandomLOE=
					CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=387.8 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
					CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9943 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
			C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H7539 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
39	54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
					WEIGHT %=0.0699 RandomLOE=
					WEIGHT %=88.0787 RandomLOE=21
					WEIGHT %=11.3645 RandomLOE=
					WEIGHT %=0.3555 RandomLOE=
					WEIGHT %=0.1314 RandomLOE=
40	12	HEZ134227T		04/01/2009	OWNER=G RandomLOE=

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MANDATC COLLECTION AND
AUTHORIZ. J CFR 30, 40, 50, 70, 72, 74, 75, 150. [redacted] S. NUCLEAR REGULATOF MISSION
Public Laws b. . 93-438, 95-91.

APPROVED BY OMB: NO. 3150-0003 EX' 05/31/2005

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informa uired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden to the Records Management Branch (T-6 E6), 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
(Container Details)

TRANSFER SERIES			
SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	251	

MAT TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=0.21 RandomLOE=3.2
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.2 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10164 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H6453 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
12	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.22 RandomLOE=3.7
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0532 RandomLOE=
				WEIGHT %=87.9114 RandomLOE=21
				WEIGHT %=11.6133 RandomLOE=
				WEIGHT %=0.3106 RandomLOE=
				WEIGHT %=0.1115 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=382.8 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9469 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7629 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
54	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0473 RandomLOE=
				WEIGHT %=88.6775 RandomLOE=39.4
				WEIGHT %=10.8705 RandomLOE=
				WEIGHT %=0.2822 RandomLOE=
				WEIGHT %=0.1225 RandomLOE=
39	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=98.1 RandomLOE=159.7
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=385.5 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9501 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H6458 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
17	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.52 RandomLOE=5.2
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0395 RandomLOE=
				WEIGHT %=88.3463 RandomLOE=16.3
				WEIGHT %=11.2561 RandomLOE=

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MANDATO COLLECTION
AUTHORIZ CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 8 93-438, 95-91.

[redacted] U.S. NUCLEAR REGULATOR MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

APPROVED BY OMB: NO. 3150-0003 EXI 05/31/2005
Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informat ired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e to the Records Management Branch (T-6 E6), 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.

TRANSFER SERIES			
SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	251	

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MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=0.2678 RandomLOE=
				WEIGHT %=0.0903 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=388 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=2
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11067 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=2
		C02		TYPE INVENTORY CHANGE= MATERIAL NAME=H8466 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=2 CALCEDCATEGORY=2
52	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0109 RandomLOE=
				WEIGHT %=93.9101 RandomLOE=54.6
				WEIGHT %=5.9613 RandomLOE=
				WEIGHT %=0.0931 RandomLOE=
				WEIGHT %=0.0246 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=387.9 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10196 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7054 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0369 RandomLOE=0
				WEIGHT %=88.9096 RandomLOE=17.5
				WEIGHT %=10.7539 RandomLOE=0
				WEIGHT %=0.2532 RandomLOE=0
				WEIGHT %=0.0464 RandomLOE=0
39	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=95.3 RandomLOE=99.5
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=389.3 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11201 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H6512 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0381 RandomLOE=
				WEIGHT %=87.8187 RandomLOE=35.9
				WEIGHT %=11.7777 RandomLOE=
				WEIGHT %=0.2682 RandomLOE=
				WEIGHT %=0.0973 RandomLOE= [redacted]
18	HEZ134227T		04/01/2009	OWNER=G RandomLOE=

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MANDATC COLLECTION AND
AUTHORIZ J CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 8.., 93-438, 95-91.

[redacted] S. NUCLEAR REGULATOI MISSION

APPROVED BY OMB: NO. 3150-0003 EX' 05/31/2005

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NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

TRANSFER SERIES			
SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	251	

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MAT TYPE	PROJ	TYPE CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=0.64 RandomLOE=6.7
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.5 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9382 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=4
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7756 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4
33	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=19.2 RandomLOE=29.8
53	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0172 RandomLOE=
				WEIGHT %=91.4196 RandomLOE=17.2
				WEIGHT %=8.3776 RandomLOE=
				WEIGHT %=0.1358 RandomLOE=
				WEIGHT %=0.0498 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=392.6 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=12007 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7731 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
25	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=2.08 RandomLOE=25.8
57	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.4381 RandomLOE=
				WEIGHT %=77.6875 RandomLOE=16.8
				WEIGHT %=19.2296 RandomLOE=
				WEIGHT %=1.1692 RandomLOE=
				WEIGHT %=1.4756 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=390.6 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11309 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7709 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
24	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=1.86 RandomLOE=19.4
56	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.4178 RandomLOE=
				WEIGHT %=78.2952 RandomLOE=12.3
				WEIGHT %=18.9381 RandomLOE=

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MANDATO COLLECTION
AUTHORIZ. CFR 30, 40, 50, 70, 72, 74, 75, 15
Public Laws b. 93-438, 95-91.

[redacted] NUCLEAR REGULATOR MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

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TRANSFER SERIES			
SHIPPER'S RS	RECEIVER'S RS	TRANS NO	CORR NO.
HTC	DZA	251	

TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=1.1336 RandomLOE=
				WEIGHT %=1.2153 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=391 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11609 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H7906 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
55	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.2228 RandomLOE=
				WEIGHT %=83.6439 RandomLOE=6.8
				WEIGHT %=14.7997 RandomLOE=
				WEIGHT %=0.7291 RandomLOE=
				WEIGHT %=0.6045 RandomLOE=
13	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.25 RandomLOE=6.2
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=388 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9372 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H8180 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
52	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0157 RandomLOE=
				WEIGHT %=93.2569 RandomLOE=17.2
				WEIGHT %=6.5653 RandomLOE=
				WEIGHT %=0.1219 RandomLOE=
				WEIGHT %=0.0402 RandomLOE=
23	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=1.3 RandomLOE=11.7
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.9 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10865 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H6407 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0512 RandomLOE=
				WEIGHT %=87.8132 RandomLOE=24.3
				WEIGHT %=11.6917 RandomLOE=
				WEIGHT %=0.3271 RandomLOE=

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MANDATOF COLLECTION AUTHORIZE CFR 30, 40, 50, 70, 72, 74, 75, 150. Public Laws 83-..., 93-438, 95-91.

[redacted] NUCLEAR REGULATOR MISSION

APPROVED BY OMB: NO. 3150-0003 EXP 05/31/2005

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informati... ...red for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden es... ...o the Records Management Branch (T-6 E6), 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
(Container Details)

TRANSFER SERIES			
SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	251	

DECLASSIFIED WITH DELETIONS

b(1)

DECLASSIFIED WITH DELETIONS

(b1)

MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=0.1168 RandomLOE=
21	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.81 RandomLOE=7.7
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=384.1 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=8506 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=4
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H8168 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4
53	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0125 RandomLOE=
				WEIGHT %=91.9599 RandomLOE=27.3
				WEIGHT %=7.8957 RandomLOE=
				WEIGHT %=0.0887 RandomLOE=
				WEIGHT %=0.0432 RandomLOE=
36	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=55.9 RandomLOE=77.3
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=379.9 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=8130 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H6570 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
57	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=1.3023 RandomLOE=
				WEIGHT %=63.5885 RandomLOE=21.5
				WEIGHT %=27.6069 RandomLOE=
				WEIGHT %=2.8564 RandomLOE=
				WEIGHT %=4.6459 RandomLOE=
21	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.89 RandomLOE=2
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.6 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10538 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7570 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
32	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=5 RandomLOE=46.8
52	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0066 RandomLOE=

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HNF2009-00162 DEL

11

MANDATOI COLLECTION
AUTHORIZL CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 8[illegible], 93-438, 95-91.

[redacted]S. NUCLEAR REGULATOR MISSION

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informat[illegible]ired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e[illegible] to the Records Management Branch (T-6 E6), 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
(Container Details)

TRANSFER SERIES			
SHIPPER'S RIB	RECEIVER'S RIB	TRANS NO.	CORR NO.
HTC	DZA	251	

MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=93.0628 RandomLOE=20.2
				WEIGHT %=6.824 RandomLOE=
				WEIGHT %=0.0717 RandomLOE=
				WEIGHT %=0.0349 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.6 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9948 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		453		TYPE INVENTORY CHANGE= MATERIAL NAME=H7170 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0493 RandomLOE=0
				WEIGHT %=87.6932 RandomLOE=38.1
				WEIGHT %=11.8643 RandomLOE=0
				WEIGHT %=0.3247 RandomLOE=0
				WEIGHT %=0.0685 RandomLOE=0
36	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=46.6 RandomLOE=71.3
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=381.7 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=8248 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7552 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
57	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=1.2168 RandomLOE=
				WEIGHT %=65.4638 RandomLOE=11.2
				WEIGHT %=26.5847 RandomLOE=
				WEIGHT %=2.5876 RandomLOE=
				WEIGHT %=4.1471 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=390.4 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10247 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H7718 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0673 RandomLOE=
				WEIGHT %=87.7059 RandomLOE=35.5
				WEIGHT %=11.7487 RandomLOE=
				WEIGHT %=0.3461 RandomLOE=

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HNF2009-00162 DEL

12

MANDATOR COLLECTION
AUTHORIZE CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 83-, 93-438, 95-91.

[redacted] S. NUCLEAR REGULA OR MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

APPROVED BY OMB: NO. 3150-0003 EXP 05/31/2005

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TRANSFER SERIES			
SHIPPER'S R/S	RECEIVER'S R/S	TRANS NO.	CORR NO.
HTC	DZA	251	

DECLASSIFIED WITH DELETIONS

b(1)

MAT TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=0.132 RandomLOE=
12	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.21 RandomLOE=3.4
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=385.1 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=8834 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=4
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7809 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0331 RandomLOE=
				WEIGHT %=88.1555 RandomLOE=16.3
				WEIGHT %=11.4733 RandomLOE=
				WEIGHT %=0.2549 RandomLOE=
				WEIGHT %=0.0832 RandomLOE=
22	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.91 RandomLOE=3.1
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=387.7 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10174 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7613 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0431 RandomLOE=
				WEIGHT %=87.4262 RandomLOE=29.2
				WEIGHT %=12.0937 RandomLOE=
				WEIGHT %=0.3085 RandomLOE=
				WEIGHT %=0.1285 RandomLOE=
38	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=93.3 RandomLOE=108.7
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=389.7 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11024 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7800 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
57	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.4346 RandomLOE=
				WEIGHT %=77.5617 RandomLOE=13.4
				WEIGHT %=19.3367 RandomLOE=

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HNF2009-00162 DEL

63

MANDATC COLLECTION
AUTHORIZ 0 CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 83-703, 93-438, 95-91.

[redacted] AND U.S. NUCLEAR REGULATOR MISSION

APPROVED BY OMB: NO. 3150-0003 EX' 05/31/2005

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NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

TRANSFER SERIES

SHIPPER'S R/S	RECEIVER'S R/S	TRANS NO.	CORR NO.
HTC	DZA	251	

LINE	NAME	ITEM TYPE	WT	MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
								WEIGHT %=1.1859 RandomLOE=
								WEIGHT %=1.4811 RandomLOE=
				25	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=2.26 RandomLOE=21.3
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=387.8 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10118 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7943 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
				57	HEY354240S		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.428 RandomLOE=
								WEIGHT %=77.8715 RandomLOE=10.3
								WEIGHT %=19.1003 RandomLOE=
								WEIGHT %=1.1518 RandomLOE=
								WEIGHT %=1.4484 RandomLOE=
				25	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=2.4 RandomLOE=11.1
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=387.2 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9265 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=4
						C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H7568 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4
				52	HEY354240S		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.0159 RandomLOE=
								WEIGHT %=93.1396 RandomLOE=36.5
								WEIGHT %=6.6821 RandomLOE=
								WEIGHT %=0.1216 RandomLOE=
								WEIGHT %=0.0408 RandomLOE=
				17	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.57 RandomLOE=4
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=383.7 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=8175 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7604 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
				57	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=1.2411 RandomLOE=
								WEIGHT %=65.5038 RandomLOE=7.6

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[redacted]

HNF2009-00162

DEL

14

19

MANDATOI COLLECTION
AUTHORIZL CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 8 93-438, 95-91.

[redacted] .S. NUCLEAR REGULATOR AND MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

APPROVED BY OMB: NO. 3150-0003 EXP 05/31/2005
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TRANSFER SERIES			
SHIPPER'S R/E	RECEIVER'S R/E	TRANS NO.	CORR NO.
HTC	DZA	251	

LINE NO.	NAME	ITEM TYPE	WT	MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
								WEIGHT %=26.4266 RandomLOE=
								WEIGHT %=2.6365 RandomLOE=
								WEIGHT %=4.192 RandomLOE=
				21	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.89 RandomLOE=2
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=391.5 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11003 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=4
						453		TYPE INVENTORY CHANGE= MATERIAL NAME=H7907 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4
				56	HEY354240S		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.419 RandomLOE=
								WEIGHT %=78.0784 RandomLOE=6.2
								WEIGHT %=18.9417 RandomLOE=
								WEIGHT %=1.1386 RandomLOE=
								WEIGHT %=1.4223 RandomLOE=
				23	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=1.5 RandomLOE=27
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=385.6 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9276 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7639 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
				54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.0655 RandomLOE=
								WEIGHT %=89.1847 RandomLOE=41.8
								WEIGHT %=10.3067 RandomLOE=
								WEIGHT %=0.3182 RandomLOE=
								WEIGHT %=0.1249 RandomLOE=
				33	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=11.7 RandomLOE=27.9
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=385.5 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9664 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
						C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H6477 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
				53	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.0568 RandomLOE= [redacted]

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WITH DELETIONS

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HNF2009-00162 DEL

15

MANDATOI COLLECTION AND
AUTHORIZI , CFR 30, 40, 50, 70, 72, 74, 75, 150. [redacted] U.S. NUCLEAR REGULATOR MISSION
Public Laws 8 , 93-438, 95-91.

APPROVED BY OMB: NO. 3150-0003 EXP 05/31/2005

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NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

TRANSFER SERIES			
SHIPPER'S R#	RECEIVER'S R#	TRANS NO.	CORR NO.
HTC	DZA	251	

LINE NO.	NAME	ITEM TYPE	WT	MAT TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
								WEIGHT %=90.1122 RandomLOE=58.2
								WEIGHT %=9.4924 RandomLOE=
								WEIGHT %=0.2774 RandomLOE=
								WEIGHT %=0.0612 RandomLOE=
				16	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.46 RandomLOE=4.8
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=383.2 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=8580 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=4
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7810 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4
				53	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.0117 RandomLOE=
								WEIGHT %=91.4589 RandomLOE=88.1
								WEIGHT %=8.3709 RandomLOE=
								WEIGHT %=0.1116 RandomLOE=
								WEIGHT %=0.0469 RandomLOE=
				29	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=3.4 RandomLOE=3.7
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=389 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10736 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
						C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H6392 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
				54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.0446 RandomLOE=
								WEIGHT %=87.7268 RandomLOE=24.9
								WEIGHT %=11.8262 RandomLOE=
								WEIGHT %=0.2985 RandomLOE=
								WEIGHT %=0.1039 RandomLOE=
				12	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.21 RandomLOE=3.5
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=391.9 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11747 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7802 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
				25	HEZ134227T		04/01/2009	OWNER=G RandomLOE=

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HNF2009-00162 DEL

12

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MANDATOI COLLECTION
AUTHORIZL CFR 30, 40, 50, 70, 72 74, 75, 150.
Public Laws 8. .., 93-438, 95-91.

[redacted] .S. NUCLEAR REGULATOR MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informat ired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e. to the Records Management Branch (T-6 E6), 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.

TRANSFER SERIES: SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	251	

LINE NO.	NAME	ITEM TYPE	WT	MAT TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
								WEIGHT %=2.3 RandomLOE=18.3
				56	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.4266 RandomLOE=
								WEIGHT %=78.7526 RandomLOE=16.4
								WEIGHT %=18.4504 RandomLOE=
								WEIGHT %=1.1664 RandomLOE=
								WEIGHT %=1.204 RandomLOE=
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.1 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9258 g TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7585 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
				54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.0706 RandomLOE=
								WEIGHT %=89.333 RandomLOE=47.6
								WEIGHT %=10.1461 RandomLOE=
								WEIGHT %=0.3159 RandomLOE=
								WEIGHT %=0.1344 RandomLOE=
				35	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=38.8 RandomLOE=17.7
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=389.6 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10495 g TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H6353 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
				54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.048 RandomLOE=
								WEIGHT %=87.5983 RandomLOE=34.9
								WEIGHT %=11.907 RandomLOE=
								WEIGHT %=0.3161 RandomLOE=
								WEIGHT %=0.1306 RandomLOE=
				22	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.93 RandomLOE=6.5
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=387.7 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11250 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=4
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7801 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4

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MANDATOR COLLECTION
AUTHORIZE CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 83-..., 93-438, 95-91.

[redacted] U.S. NUCLEAR REGULATOR[redacted] MISSION

APPROVED BY OMB: NO. 3150-0003 EXP 05/31/2005

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informati[redacted]ired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e[redacted]o the Records Management Branch (T-6 E6), 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
(Container Details)

TRANSFER SERIES			
SHIPPER'S R/B	RECEIVER'S R/B	TRANS NO.	CORR NO.
HTC	DZA	251	

LINE NO.	NAME	ITEM TYPE	WT	MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				25	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=2.5 RandomLOE=16.5
				56	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.4209 RandomLOE=
								WEIGHT %=78.4587 RandomLOE=14.4
								WEIGHT %=18.7612 RandomLOE=
								WEIGHT %=1.1476 RandomLOE=
								WEIGHT %=1.2116 RandomLOE=
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=388.7 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11315 g TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
						C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H6421 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
				54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.0376 RandomLOE=
								WEIGHT %=87.743 RandomLOE=23.1
								WEIGHT %=11.8458 RandomLOE=
								WEIGHT %=0.2735 RandomLOE=
								WEIGHT %=0.1001 RandomLOE=
				18	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.7 RandomLOE=8.2
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=384.4 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9897 g TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7654 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
				52	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.019 RandomLOE=
								WEIGHT %=93.233 RandomLOE=98.3
								WEIGHT %=6.5937 RandomLOE=
								WEIGHT %=0.1166 RandomLOE=
								WEIGHT %=0.0377 RandomLOE=
				37	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=84.35 RandomLOE=509.7
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.9 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				[redacted]				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10052 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=

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18

MANDATC COLLECTION AUTHORIZ. J CFR 30, 40, 50, 70, 72, 74, 75, [redacted] Public Laws 8[illegible] 03, 93-438, 95-91.

U.S. NUCLEAR REGULATOR AND MISSION

APPROVED BY OMB: NO. 3150-0003 EX 05/31/200[illegible]

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informa[illegible] uired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e[illegible] to the Records Management Branch (T-6 E6), 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
(Container Details)

SHIPPER'S RIS	RECEIVER'S RIS	TRANSFER SERIES TRANS NO	CORR NO
HTC	DZA	251	

LINE NO.	NAME	ITEM TYPE C	I	B	BD	WT	MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
									C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7506 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
							25	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
											WEIGHT %=2.18 RandomLOE=16
							56	HEY124211M		04/01/2009	OWNER=G RandomLOE=
											WEIGHT %=0.4184 RandomLOE=
											WEIGHT %=78.3565 RandomLOE=10
											WEIGHT %=18.8527 RandomLOE=
											WEIGHT %=1.1581 RandomLOE=
											WEIGHT %=1.2143 RandomLOE=
											CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.2 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
											CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10747 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
									C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H6506 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
							32	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
											WEIGHT %=8.11 RandomLOE=35.9
							54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
											WEIGHT %=0.0329 RandomLOE=
											WEIGHT %=89.6503 RandomLOE=26.5
											WEIGHT %=10.0048 RandomLOE=
											WEIGHT %=0.2305 RandomLOE=
											WEIGHT %=0.0815 RandomLOE=
											CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=385.7 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
											CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9964 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
									C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7049 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
							54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
											WEIGHT %=0.0546 RandomLOE=0
											WEIGHT %=88.2535 RandomLOE=16.5
											WEIGHT %=11.3137 RandomLOE=0
											WEIGHT %=0.3011 RandomLOE=0
											WEIGHT %=0.0771 RandomLOE=0
							37	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
											WEIGHT %=80.64 RandomLOE=406.8
							[redacted]				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=387.8 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=

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19

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WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE

MANDATO COLLECTION
AUTHORIZ. CFR 30, 40, 50, 70, 72, 74, 75, 150 [redacted]
Public Laws 8[illegible], 93-438, 95-91.

U.S. NUCLEAR REGULATOR MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

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TRANSFER SERIES: SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	251	

LINE NO.	NAME	ITEM TYPE (C / I / EL / ISO)	WT	MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10203 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
						C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H6400 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
				54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.0316 RandomLOE=
								WEIGHT %=87.9265 RandomLOE=14.7
								WEIGHT %=11.7309 RandomLOE=
								WEIGHT %=0.2299 RandomLOE=
								WEIGHT %=0.0811 RandomLOE=
				18	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.61 RandomLOE=4.7
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=384 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=8997 g TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7512 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
				54	HEY354240S		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.0336 RandomLOE=
								WEIGHT %=87.155 RandomLOE=28.7
								WEIGHT %=12.418 RandomLOE=
								WEIGHT %=0.2782 RandomLOE=
								WEIGHT %=0.1152 RandomLOE=
				36	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=62.9 RandomLOE=64.5
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.9 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10481 g TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7566 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
				53	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.0231 RandomLOE=
								WEIGHT %=90.0818 RandomLOE=38
								WEIGHT %=9.6582 RandomLOE=
								WEIGHT %=0.173 RandomLOE=
								WEIGHT %=0.0639 RandomLOE=
				38	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=92.5 RandomLOE=[illegible]9.5

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HNF2009-00162

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26

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE

MANDATOF COLLECTION
AUTHORIZE CFR 30, 40, 50, 70, 72, 74, 75, 150
Public Laws 85-, 93-438, 95-91.

[redacted]

U.S. NUCLEAR REGULATOR' MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

APPROVED BY OMB: NO. 3150-0003 EXP 05/31/2005

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informatic red for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden es. o the Records Management Branch (T-6 E6), 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 collectic n.

TRANSFER SERIES			
SHIPPER'S RIB	RECEIVER'S RIB	TRANS NO.	CORR NO.
HTC	DZA	251	

LINE NO.	NAME	ITEM TYPE	WT	MAT TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=388 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9218 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7707 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
				55	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.2448 RandomLOE=
								WEIGHT %=84.9904 RandomLOE=38.1
								WEIGHT %=13.6159 RandomLOE=
								WEIGHT %=0.6699 RandomLOE=
								WEIGHT %=0.479 RandomLOE=
				36	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=55.8 RandomLOE=144.6
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=385.4 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10095 g TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7567 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
				53	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.0135 RandomLOE=
								WEIGHT %=91.0265 RandomLOE=32.4
								WEIGHT %=8.7832 RandomLOE=
								WEIGHT %=0.1252 RandomLOE=
								WEIGHT %=0.0516 RandomLOE=
				36	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=76.15 RandomLOE=414.1
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=385 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9135 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7558 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
				53	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.0106 RandomLOE=
								WEIGHT %=91.6698 RandomLOE=39.8
								WEIGHT %=8.1877 RandomLOE=
								WEIGHT %=0.0884 RandomLOE=
								WEIGHT %=0.0435 RandomLOE= [redacted]
				36	HEZ134227T		04/01/2009	OWNER=G RandomLOE=

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21

MANDATO' COLLECTION
AUTHORIZ. CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 6 93-438, 95-91.

[redacted]

U.S. NUCLEAR REGULATOR MISSION

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informa ired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden to the Records Management Branch (T-6 E6), 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
(Container Details)

TRANSFER SERIES			
SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	251	

LINE NO.	NAME	ITEM TYPE	WT	MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
								WEIGHT %=79.7 RandomLOE=223.3
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=387.8 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10751 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H6418 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
				36	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=75.39 RandomLOE=455.1
				53	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.0203 RandomLOE=
								WEIGHT %=91.2456 RandomLOE=40.4
								WEIGHT %=8.5297 RandomLOE=
								WEIGHT %=0.1519 RandomLOE=
								WEIGHT %=0.0525 RandomLOE=
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=389.2 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11121 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7908 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
				56	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.4218 RandomLOE=
								WEIGHT %=78.0677 RandomLOE=12
								WEIGHT %=18.9425 RandomLOE=
								WEIGHT %=1.1396 RandomLOE=
								WEIGHT %=1.4284 RandomLOE=
				24	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=1.9 RandomLOE=17
								CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=381.8 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
								CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=8015 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
						C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H6519 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
				21	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=0.89 RandomLOE=0.3
				57	HEY124211M		04/01/2009	OWNER=G RandomLOE=
								WEIGHT %=1.2113 RandomLOE=
								WEIGHT %=64.9411 RandomLOE=15.4
								WEIGHT %=26.9613 RandomLOE=

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22

(19)

MANDATORY COLLECTION
AUTHORIZE CFR 30, 40, 50, 70, 72, 74, 75, 150. [redacted] U.S. NUCLEAR REGULATORY COMMISSION
Public Laws 83-..., 93-438, 95-91.

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informati ... ired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden es... to the Records Management Branch (T-6 E6), 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
(Container Details)

TRANSFER SERIES			
SHIPPER'S R/S	RECEIVER'S R/S	TRANS NO.	CORR NO.
HTC	DZA	251	

LINE NO.	NAME	ITEM TYPE	WT	MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
	b(7)							WEIGHT %=2.6327 RandomLOE=
								WEIGHT %=4.2536 RandomLOE=

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CLASSIFICATION	ID Number
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1st Review-Date: 9/16/09
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2nd Review-Date: 9/16/09
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CLASSIFIER: T.R. Welsh / T.L. Welsh DATE: 4-14-09
WORK TITLE: Safeguards Scientist
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AUTHORIZ. 0 CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 83-703, 93-438, 95-91.

[redacted] AND S. NUCLEAR REGULATOI MISSION

NUCLEAR MATERIAL TRANSACTION REPORT

APPROVED BY OMB: NO. 3150-0003 E 05/31/2005

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informa quired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e to the Records Management Branch (T-6 E6), 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.

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8. NO OF DATA LINES	60
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14. TRANSFER AUTHORITY-CONTRACT, NM DRAFT, OR ORDER NUMBER
DE-AC06-RL14788

15. EXPORT OR IMPORT TRANSFERS: LICENSE NO.

16. MATERIAL TYPE AND DESCRIPTION
PuO2 Total PU LE 285.4 / Total PU ISO LE 274.4

23a. MISCELLANEOUS
SAV #36444 Total U LE 1667.3 / Total U Iso LE 281.7

b. CONCISE NOTE ATTACHED
c. UK REPORTABLE? YES [ ] NO [X]

17. L/ NUMBER	18. COUNTRY OF OBLIGATION	19. MATERIAL TYPE	20. OBLIGATED ELEMENT WEIGHT	21. OBLIGATED ISOTOPE WEIGHT For Enriched Uranium Only

24. TOTAL GROSS WEIGHT 5614

25. TOTAL VOLUME(Waste Transfers Only) 0

22. ACTION DATE	MONTH (MM)	DAY (DD)	YEAR (YYYY)
a. SHIPMENT	04	12	2009
b. SHIPPER'S CORRECTION			
c. RECEIPT			
d. RECEIVER'S MEASUREMENT			
e. RECEIVER'S CORRECTION			

26. SHIPPER'S DATA

BADGE 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. 1. DATE	2.	3. METHOD	GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % PPM ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR

(b(1)

26a. SHIPPER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED
Marjory Lewis 4/13/09

27a. RECEIVER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED

27. RECEIVER'S DATA

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[redacted]

HNF2009-00163 2

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MANDATO COLLECTION
AUTHORIZ CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 8 , 93-438, 95-91.

[redacted] AND NUCLEAR REGULATOI MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Continuation Page)

APPROVED BY OMB: NO. 3150-0003 EXPIRES: 05/31/2005

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This information required for IAEA accounting reports that [illegible] Send comments regarding burden estimate to the Records Management Branch (T-6E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects@nrc.gov, and to the Desk Officer, 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.

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TRANSFER SERIES			
SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	252	

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HNF2009-00163

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Public Laws 8 , 93-438, 95-91.

[redacted] S. NUCLEAR REGULATOF MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Continuation Page)

APPROVED BY OMB: NO. 3150-0003 EXP 05/31/2005

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MANDATOI COLLECTION
AUTHORIZE CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 8[illegible], 93-438, 95-91.

[redacted]S. NUCLEAR REGULATOR MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

APPROVED BY OMB: NO. 3150-0003 EXP 05/31/2005

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TRANSFER SERIES			
SHIPPER'S RS	RECEIVER'S RS	TRANS NO.	CORR NO.
HTC	DZA	252	

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PRIM. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.3 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10394 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7443 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
35	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=43.2 RandomLOE=163.2
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0585 RandomLOE=0
				WEIGHT %=87.8109 RandomLOE=35.2
				WEIGHT %=11.6013 RandomLOE=0
				WEIGHT %=0.4028 RandomLOE=0
				WEIGHT %=0.1265 RandomLOE=0
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.5 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10414 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H6462 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
12	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.21 RandomLOE=3.8
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0462 RandomLOE=
				WEIGHT %=88.2624 RandomLOE=23.1
				WEIGHT %=11.2952 RandomLOE=
				WEIGHT %=0.2951 RandomLOE=
				WEIGHT %=0.1011 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.9 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9636 g TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=4
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H8178 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4
52	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.02 RandomLOE=
				WEIGHT %=93.0253 RandomLOE=97.2
				WEIGHT %=6.803 RandomLOE=
				WEIGHT %=0.1124 RandomLOE=
				WEIGHT %=0.0393 RandomLOE=
36	HEZ134227T		04/01/2009	OWNER=G RandomLOE= [redacted]

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MANDATO COLLECTION
AUTHORIZ. J CFR 30, 40, 50, 70, 72, 74, 75, 150:
Public Laws 83-, 93, 93-438, 95-91.

[redacted] S. NUCLEAR REGULATOR AND MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

APPROVED BY OMB: NO. 3150-0003 EXP 05/31/2006

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TRANSFER SERIES: SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	252	

MAT TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=68.8 RandomLOE=215.2
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=381.6 LB TARE WEIGHT=
				ENTEREDCATEGORY= CALCEDCATEGORY=4
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9022 g TARE WEIGHT= g
				ENTEREDCATEGORY= CALCEDCATEGORY=4
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H6384 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4
52	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0081 RandomLOE=0
				WEIGHT %=95.283 RandomLOE=19.6
				WEIGHT %=4.6604 RandomLOE=0
				WEIGHT %=0.0317 RandomLOE=0
				WEIGHT %=0.0168 RandomLOE=0
29	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=3.7 RandomLOE=9.5
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.8 LB TARE WEIGHT=
				ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9745 g TARE WEIGHT= g
				ENTEREDCATEGORY= CALCEDCATEGORY=3
		C02		TYPE INVENTORY CHANGE= MATERIAL NAME=H8250 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
52	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0094 RandomLOE=
				WEIGHT %=94.0079 RandomLOE=29.3
				WEIGHT %=5.8824 RandomLOE=
				WEIGHT %=0.0747 RandomLOE=
				WEIGHT %=0.0256 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=387.4 LB TARE WEIGHT=
				ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10423 g TARE WEIGHT= g
				ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H8463 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
52	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0202 RandomLOE=
				WEIGHT %=93.0215 RandomLOE=61.1
				WEIGHT %=6.803 RandomLOE=
				WEIGHT %=0.1156 RandomLOE=
				WEIGHT %=0.0397 RandomLOE=
36	HEZ134227T		04/01/2009	OWNER=G RandomLOE= [redacted]
				WEIGHT %=65.7 RandomLOE=251.3

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MANDATO COLLECTION
AUTHORIZ J CFR 30, 40, 50, 70, 72, 74, 75, 150. [redacted] NUCLEAR REGULATO MISSION
Public Laws 83-703, 93-438, 95-91.

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

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TRANSFER REPORT			
SHIPPER'S R/S	RECEIVER'S R/S	TRANS NO.	CORR NO.
HTC	DZA	252	

MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=389.3 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11465 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H7847 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
56	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.2818 RandomLOE=
				WEIGHT %=81.902 RandomLOE=9.4
				WEIGHT %=16.1906 RandomLOE=
				WEIGHT %=0.8331 RandomLOE=
				WEIGHT %=0.7925 RandomLOE=
18	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.67 RandomLOE=14.7
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=391 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11387 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7728 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
25	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=2.14 RandomLOE=23.5
56	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.425 RandomLOE=
				WEIGHT %=78.0142 RandomLOE=14.5
				WEIGHT %=18.9685 RandomLOE=
				WEIGHT %=1.1596 RandomLOE=
				WEIGHT %=1.4327 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=390.8 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11368 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H7569 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
52	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0152 RandomLOE=
				WEIGHT %=93.2318 RandomLOE=31
				WEIGHT %=6.5949 RandomLOE=
				WEIGHT %=0.1181 RandomLOE=
				WEIGHT %=0.04 RandomLOE= [redacted]
13	HEZ134227T		04/01/2009	OWNER=G RandomLOE=

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MANDATOF COLLECTION
AUTHORIZE CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 83-..., 93-438, 95-91.

[redacted] AND NUCLEAR REGULATOR MISSION

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NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

TRANSFER SERIES			
SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	252	

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MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=0.25 RandomLOE=4
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=389.4 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10139 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H8243 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
52	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0095 RandomLOE=
				WEIGHT %=93.8218 RandomLOE=55.5
				WEIGHT %=6.0422 RandomLOE=
				WEIGHT %=0.0948 RandomLOE=
				WEIGHT %=0.0317 RandomLOE=
36	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=58 RandomLOE=46.8
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=389.5 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11399 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7916 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=4 CALCEDCATEGORY=
56	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.2891 RandomLOE=
				WEIGHT %=81.9187 RandomLOE=13
				WEIGHT %=16.1509 RandomLOE=
				WEIGHT %=0.8453 RandomLOE=
				WEIGHT %=0.796 RandomLOE=
23	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=1.4 RandomLOE=29.2
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=383.6 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=8843 g TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=4
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7544 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4
54	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0476 RandomLOE=
				WEIGHT %=87.9691 RandomLOE=31.7
				WEIGHT %=11.5352 RandomLOE=
				WEIGHT %=0.315 RandomLOE=
				WEIGHT %=0.1331 RandomLOE=

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HNF2009-00163

8

MANDATO COLLECTION AND
AUTHORIZ. J CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws b. . d, 93-438, 95-91.

[redacted] .S. NUCLEAR REGULATOF MISSION

APPROVED BY OMB: NO. 3150-0003 EX 05/31/2005

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informa uired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e to the Records Management Branch (T-6 E6), 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
(Container Details)

SHIPPER'S RIS	RECEIVER'S RIS	TRANSFER SERIES TRANS NO.	CORR NO.
HTC	DZA	252	

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(b(1)

MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
35	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=44 RandomLOE=69.9
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=387 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10018 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7563 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
33	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=16.1 RandomLOE=21.3
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0279 RandomLOE=
				WEIGHT %=88.501 RandomLOE=8.9
				WEIGHT %=11.1499 RandomLOE=
				WEIGHT %=0.2311 RandomLOE=
				WEIGHT %=0.0901 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=386.9 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9419 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=4
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7565 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0369 RandomLOE=
				WEIGHT %=87.9291 RandomLOE=17.8
				WEIGHT %=11.6569 RandomLOE=
				WEIGHT %=0.2663 RandomLOE=
				WEIGHT %=0.1108 RandomLOE=
34	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=28.6 RandomLOE=38.3
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=388.5 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11101 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H8221 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=2 CALCEDCATEGORY=
52	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0089 RandomLOE=
				WEIGHT %=94.1029 RandomLOE=52.2
				WEIGHT %=5.7687 RandomLOE=
				WEIGHT %=0.094 RandomLOE=

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HNF2009-001 DEL 9

MANDATOF COLLECTION AND
AUTHORIZE CFR 30, 40, 50, 70, 72. 7., 75, 150 [redacted] U.S. NUCLEAR REGULATOR MISSION
Public Laws 83-.., 93-438, 95-91.

APPROVED BY OMB: NO. 3150-0003 EXF 05/31/2005

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informati ired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e. o the Records Management Branch (T-6 E6), 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
(Container Details)

TRANSFER SERIES			
SHIPPER'S RIB	RECEIVER'S RIB	TRANS NO.	CORR NO.
HTC	DZA	252	

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(b(1))

MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=0.0255 RandomLOE=
33	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=16.3 RandomLOE=9.9
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=387.5 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10065 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7537 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
54	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0392 RandomLOE=
				WEIGHT %=87.6728 RandomLOE=29.6
				WEIGHT %=11.8547 RandomLOE=
				WEIGHT %=0.3111 RandomLOE=
				WEIGHT %=0.1222 RandomLOE=
32	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=7 RandomLOE=31.6
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=385.1 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10037 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7850 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
53	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0364 RandomLOE=
				WEIGHT %=90.7061 RandomLOE=25.8
				WEIGHT %=8.9204 RandomLOE=
				WEIGHT %=0.2795 RandomLOE=
				WEIGHT %=0.0576 RandomLOE=
31	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=4.3 RandomLOE=8.3
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=389.8 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11337 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H6547 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
24	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=1.8 RandomLOE=27.1
57	HEY124211M		04/01/2009	OWNER=G RandomLOE= [redacted]
				WEIGHT %=0.6745 RandomLOE=

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HNF2009-00163

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MANDATO COLLECTION
AUTHORIZ. J CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 5.. 93-438, 95-91.

[redacted] S. NUCLEAR REGULATOR MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

EX 05/31/2005

APPROVED BY OMB: NO. 3150-0003
Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informa: ired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e. to the Records Management Branch (T-6 E6), 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.

TRANSFER SERIES: SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORA NO.
HTC	DZA	252	

MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=69.8052 RandomLOE=23.2
				WEIGHT %=24.6248 RandomLOE=
				WEIGHT %=2.1986 RandomLOE=
				WEIGHT %=2.6969 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=383.3 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9830 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C02		TYPE INVENTORY CHANGE= MATERIAL NAME=H7766 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
52	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0087 RandomLOE=
				WEIGHT %=94.1199 RandomLOE=34.8
				WEIGHT %=5.7739 RandomLOE=
				WEIGHT %=0.0753 RandomLOE=
				WEIGHT %=0.0222 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=388 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=2
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11049 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=2
		C02		TYPE INVENTORY CHANGE= MATERIAL NAME=H8164 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=2 CALCEDCATEGORY=2
52	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.008 RandomLOE=
				WEIGHT %=94.0235 RandomLOE=51.4
				WEIGHT %=5.8514 RandomLOE=
				WEIGHT %=0.092 RandomLOE=
				WEIGHT %=0.0251 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=384.9 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9368 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7918 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
32	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=9.87 RandomLOE=32.3
55	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.209 RandomLOE=
				WEIGHT %=84.6992 RandomLOE=41
				WEIGHT %=14.0004 RandomLOE=
				WEIGHT %=0.6247 RandomLOE=

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HNF2009-001[redacted]

MANDATOI COLLECTION
AUTHORIZL CFR 30, 40, 50, 70, 72, 74, 75, 15
Public Laws 8 , 93-438, 95-91.

[redacted] AND
S. NUCLEAR REGULATOR MISSION

APPROVED BY OMB: NO. 3150-0003 EXF 05/31/2005

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informat ired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e to the Records Management Branch (T-6 E6), 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
(Container Details)

TRANSFER SERIES			
SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	252	

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(b(1))

MAT TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=0.4667 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=388.6 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11680 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H6404 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
37	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=91.5 RandomLOE=133.1
53	HEY124211M		04/0 /009	OWNER=G RandomLOE=
				WEIGHT %=0.0203 RandomLOE=
				WEIGHT %=91.5771 RandomLOE=29
				WEIGHT %=8.2054 RandomLOE=
				WEIGHT %=0.147 RandomLOE=
				WEIGHT %=0.0502 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=387 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10025 g TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H8462 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
54	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0326 RandomLOE=
				WEIGHT %=88.5808 RandomLOE=12.2
				WEIGHT %=11.0349 RandomLOE=
				WEIGHT %=0.2528 RandomLOE=
				WEIGHT %=0.0989 RandomLOE=
36	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=70.2 RandomLOE=217
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=385.7 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10526 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=4
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7508 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4
26	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=2.6 RandomLOE=23.2
57	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.4319 RandomLOE=
				WEIGHT %=77.8527 RandomLOE=11.9
				WEIGHT %=19.0846 RandomLOE=

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HNF2009-00163
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12

MANDATOF COLLECTION
AUTHORIZE CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 83-..., 93-438, 95-91.

[redacted] NUCLEAR REGULATOR' MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informati... red for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden es... to the Records Management Branch (T-6 E6), 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.

TRANSFER SERIES			
SHIPPER'S R/S	RECEIVER'S R/S	TRANS NO.	CORR NO.
HTC	DZA	252	

MAT. TYPE	PROJ	COMP CODE	DATE LAST DECLARED	OTHER ATTRIBUTES
				WEIGHT %=1.1755 RandomLOE=
				WEIGHT %=1.4553 RandomLOE=
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=384.5 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9354 g TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=4
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7615 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=4
54	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0349 RandomLOE=
				WEIGHT %=87.6314 RandomLOE=34.5
				WEIGHT %=11.9472 RandomLOE=
				WEIGHT %=0.2712 RandomLOE=
				WEIGHT %=0.1153 RandomLOE=
38	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=92.9 RandomLOE=116.4
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=383.5 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9124 g TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=4
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7509 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4
54	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.043 RandomLOE=
				WEIGHT %=87.246 RandomLOE=30.8
				WEIGHT %=12.2763 RandomLOE=
				WEIGHT %=0.3062 RandomLOE=
				WEIGHT %=0.1285 RandomLOE=
36	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=79.6 RandomLOE=95.6
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=384.1 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=8537 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H8252 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
57	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.4213 RandomLOE=
				WEIGHT %=76.7859 RandomLOE=32
				WEIGHT %=20.2676 RandomLOE=
				WEIGHT %=1.1775 RandomLOE=

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HNF2009-00163
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13

MANDATO COLLECTION
AUTHORIZ. CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws 93-438, 95-91.

[redacted] U.S. NUCLEAR REGULATOR MISSION

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

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TRANSFER SERIES: SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	252	

MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=1.3477 RandomLOE=
23	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=1.54 RandomLOE=0.9
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=389.7 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=11944 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7421 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
36	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=59.6 RandomLOE=115.4
57	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.4399 RandomLOE=0
				WEIGHT %=76.9675 RandomLOE=41.9
				WEIGHT %=19.9417 RandomLOE=0
				WEIGHT %=1.172 RandomLOE=0
				WEIGHT %=1.4789 RandomLOE=0
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=385.5 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9724 g TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H8436 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
54	HEY354240S		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.036 RandomLOE=
				WEIGHT %=87.7366 RandomLOE=36.7
				WEIGHT %=11.8602 RandomLOE=
				WEIGHT %=0.2547 RandomLOE=
				WEIGHT %=0.1125 RandomLOE=
36	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=48.4 RandomLOE=157.3
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=388.4 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=3
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=9940 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=3
		C43		TYPE INVENTORY CHANGE= MATERIAL NAME=H7719 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=3 CALCEDCATEGORY=3
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0672 RandomLOE=
				WEIGHT %=88.0835 RandomLOE=22
				WEIGHT %=11.3667 RandomLOE=

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HNF2009-00163
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14

MANDATOR COLLECTION
AUTHORIZE CFR 30, 40, 50, 70, 72, 74, 7 [redacted] S. NUCLEAR REGULATO MISSION
Public Laws 8 93-438, 95-91.

NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

Estimated burden per response to comply with this mandatory collection request: 45 minutes. This informati ired for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e o the Records Management Branch (T-6 E6), 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.

TRANSFER SERIES			
SHIPPER'S R/S	RECEIVER'S R/S	TRANS NO.	CORR NO.
HTC	DZA	252	

MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
				WEIGHT %=0.3544 RandomLOE=
				WEIGHT %=0.1282 RandomLOE=
12	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.21 RandomLOE=3
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=385.2 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=10285 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=
		C72		TYPE INVENTORY CHANGE= MATERIAL NAME=H7607 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY=3 CALCEDCATEGORY=
54	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0445 RandomLOE=
				WEIGHT %=87.5871 RandomLOE=35.3
				WEIGHT %=11.919 RandomLOE=
				WEIGHT %=0.3385 RandomLOE=
				WEIGHT %=0.1109 RandomLOE=
31	HEZ134227T		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=4.16 RandomLOE=17.9
				CONTAINER TYPE=99 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=382 LB TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
				CONTAINER TYPE=13 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=8207 g TARE WEIGHT= g ENTEREDCATEGORY= CALCEDCATEGORY=4
		C02		TYPE INVENTORY CHANGE= MATERIAL NAME=H7883 ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS=C ENTEREDCATEGORY=4 CALCEDCATEGORY=4
52	HEY124211M		04/01/2009	OWNER=G RandomLOE=
				WEIGHT %=0.0075 RandomLOE=
				WEIGHT %=94.181 RandomLOE=37.6
				WEIGHT %=5.7099 RandomLOE=
				WEIGHT %=0.0786 RandomLOE=
				WEIGHT %=0.023 RandomLOE=
				[redacted]

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HNF2009-00163 DEL

15

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

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Document Number HNF2009-00160 DEL

This document consists of 5 pages.

Company Fluor Hanford Inc.

Address P.O. Box 1111, Richland, WA 99352

Document Date 4/10/09

Title HANFORD NOTATIONAL TRANSPORTATION SHIPPING REQUEST (TSR) TWENTY-SIX (U)

Author G.M. Clark

Department CHPRC PFP De-Inventory Project

RECEIVED/PROCESSED

APR 12 2010

CLASSIFIED DOCUMENT CONTROL

Circulation Restrictions

All information in the Tables and Forms is classified CNSI [redacted] otherwise.

RIDS Code

ADM 18.57A

Internal Distribution	External Distribution
CDC	David Franks, NA-15, ABQ, NM
Gerry Griffin	John Silko, DOE-RL
Greg Clark	Glenn Konzek, DOE-RL SES
	Richard Koenig, SRNS, SRS Site

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1st Review Date: 9/16/09
Authority: ☐ AOC ☒ ADC ☐ ADD
Name: Gary B. Hulse
2nd Review Date: 9/16/09
Authority: CG-SS-4, chg 1, 9/2000
Name: DEAN SCOTT

Determination: Circle Number(s)
1 Classification Retained — Classified redacted
2 Classification Changed To Declassified with Deletions
3 Contains No DOE Classified Info
4 Coordinate With
5 Classification Cancelled
6 Classified Info Bracketed — classified removed
7 Other (Specify)

Redacted by J. Briggs, DD NAVARRO Research & Eng. 4/9/2010

CLASSIFIER: T.S. Veneta / G.J. Vergy DATE: 4/9/09

WORK TITLE: Principal Engineer

DERIVED FROM: CG-TSS-3 Rev 1 Chg 1 9/99 DOE/OC
Guide Date

Declassify On: 25X2[EU] when declassified by NNSA

REVIEW FOR RESTRICTED DATA REQUIRED prior to declassification. P.L. 104-106, section 3155.

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[redacted]

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A-6001-972 (REV 1)

OST F 1540.5
Rev. 1 (10/08)

[redacted] HNF2009-00160 DEL

US DEPARTMENT OF ENERGY
NATIONAL NUCLEAR SECURITY ADMINISTRATION
OFFICE OF SECURE TRANSPORTATION

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TRANSPORTATION SHIPPING REQUEST (TSR)

1) TSR SUBMISSION DATES:	60 Day 4/10/09 30 Day 7 Day
2) SHIPMENT ID:	HTC-DZA-26
3) PROGRAM OFFICE AND REQUESTING SITE:	EM-1, HANFORD SITE
4) CAMPAIGN IDENTIFICATION NUMBERS (CIDs):	756, FUEL PINS TO SRS
5) TRANSPORTATION REQUIREMENTS:	
a) Pick up Location/Address	HTC, PLUTONIUM FINISHING PLANT, 2736-ZB, 200 WEST, HANFORD SITE, RICHLAND, WA, 99352
b) Delivery Location/Address	(b(2))
6) MATERIAL AVAILABILITY DATE:	6/14/09
7) MATERIAL REQUIRED DELIVERY DATE:	9/30/09
8) MATERIAL SCHEDULED DELIVERY DATE:	
9) NUMBER OF TRAILERS REQUIRED AND SPECIAL HANDLING REQUIREMENTS:	4 TRAILERS, ONE HUFP CASK PER TRAILER
10) CLASSIFICATION:	
a) Security Classification of Material Being Transported	CNSI
b) Nuclear Material Safeguards Category and Attractiveness Level	ATTRACTIVENESS C, CATEGORY I
11) REQUIREMENT FOR SHIPPING IN THE TSS:	DOE M 470.4-2, Chapter II, Section A, Subsection 7.c.(1)
12) TWENTY-FOUR HOUR EMERGENCY RESPONSE CONTACT:	HANFORD EMERG CTR 509-373-3800
13) CONTAINER INFORMATION:	
a) Name and Dimensions of Individual Containers	HUFP CASK, 201 INCHES LENGTH BY 60 INCHES DIAMETER; DUMB BELL SHAPED
b) Package Identification and/or Offsite Transportation Certificate Number (OTC) or Offsite Transportation Authorization Number (OTA)	USA/9905/B(U)F-96 (DOE)
c) Expiration Date of Container Certificate or Authorization	AUGUST 31, 2013

[redacted]

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HNF2009-00160 DEL

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Rev. 1 (10/08)

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US DEPARTMENT OF ENERGY
NATIONAL NUCLEAR SECURITY ADMINISTRATION
OFFICE OF SECURE TRANSPORTATION

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TRANSPORTATION SHIPPING REQUEST (TSR)

14) HAZARDOUS MATERIALS:	
a) Proper Shipping Name(s) (PSN) and Identification Number per 49 CFR	RQ, RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE, UN3329
b) Hazards Class/Division	7
15) FISSILE/RADIOACTIVE MATERIAL INFORMATION:	
a) Name of Radionuclide(s) and Percent Enrichment	Pu238, Pu239, Pu240, Pu241, Pu242, U235 (TSR Continuation Pages)
b) Physical Form of Material	PLUTONIUM/URANIUM MIXED OXIDE PELLETS
c) Chemical Form of Material	Pu/U O2
d) Type of Label Applied to Each Package	BAR II OR III
16) CARGO TIE-DOWN RESTRAINT CONFIGURATION:	Special Tiedown as approved by OST
17) EXPLOSIVE MATERIAL INFORMATION:	
a) Proper Shipping Name	NOT APPLICABLE
b) Technical/Chemical Name	NOT APPLICABLE
c) Label Applied to Container or Special Assembly	NOT APPLICABLE
18) OTHER REQUIRED INFORMATION:	
a) Number of Containers Loaded on Each Trailer	ONE HUFP CASK PER TRAILER
b) Gross Weight of Individual Containers (pounds)	LOADED WEIGHT LESS THAN 14,000 LB
c) Total Quantities of Other Hazardous Materials	NONE
d) Transportation Index (TI)	SEE CONTINUATION PAGE ATTACHED
e) Criticality Safety Index (CSI) Reference 49CFR 173.403	
f) Total Radioactivity	SEE CONTINUATION PAGE ATTACHED ATTACHED
(b1)	(b1)
h) Thermo Watt Output of the Nuclides	SEE CONTINUATION PAGE ATTACHED
i) Quantities of All Explosives (grams)	NONE
19) SHIPPER/RECEIVER APPROVAL CONFIRMATION:	PENDING

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HANFORD CHPRC LEGACY FUEL PROJECT

NOTATIONAL TSR FOR FIRST FUEL CONVOY - 4 TRAILERS - MID-JUNE, 2009

HEAT LOADING LESS THAN 400 WATTS FOR EACH HUFP

PART 1: LOOSE PINS WITHIN IDENT69Gs WITHIN CORE COMPONENT CONTAINERS (CCC)

(b(1)

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HANFORD CHPRC LEGACY FUEL PROJECT

NOTATIONAL TSR FOR FIRST FUEL CONVOY - 4 TRAILERS - MID-JUNE, 2009

HEAT LOADING LESS THAN 400 WATTS FOR EACH HUFP

PART 1: LOOSE PINS WITHIN IDENT69Gs WITHIN CORE COMPONENT CONTAINERS (CCC)

(b(1)

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CLASSIFICATION	ID Number
[redacted]	HNF2009-00010 DEL
Company: Fluor Hanford Inc.	This document consists of 4 pages.
Address: P.O. Box 1111, Richland, WA 99352	Document Date: ~~6/3/08~~ 5/5/09
Title: HANFORD REQUEST TO SHIP NUCLEAR MATERIAL TWENTY-SIX (U)	
Author: G.M. Clark	RECEIVED/PROCESSED APR 12 2010 CLASSIFIED DOCUMENT CONTROL
Department: CHPRC PFP De-Inventory Project	
Circulation Restrictions: ~~All contents within the tables and [illegible] is classified CNSI unless [illegible] otherwise.~~	RIDS Code: ADM 18.57A

Internal Distribution	External Distribution
CDC	Lee Wilson, SRNS, SRS Site
Gerry Griffin	John Silko, DOE-RL
Greg Clark	Glenn Konzek, DOE-RL, SES

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1st Review-Date: 9/16/09 — Determination: Circle Number(s)
Authority: ☐ AOC ☒ ADC ☐ ADD — (1) Classification Retained — Removal Redaction by JDBriggs 4/7/2010
Name: Gary B. Hulse — (2) Classification Changed To Declassified with Deletions — Redacted by JDBriggs NAVARRO RESEARCH & ENGR DD
(3) Contains No DOE Classified Info
2nd Review-Date: 9/16/09 — (4) Coordinate With:
Authority: ADD ~~CG-TS3-REV~~ — (5) Classification Cancelled
Name: DEAN SCOTT — (6) Classified Info Bracketed — Classified information removed JDBriggs 4/7/2010
(7) Other (Specify):
CG-SS-4, CHg 6, 9/2000 DOE OC

CLASSIFIER: Gary B. Hulse — DATE: 5/5/09
WORK TITLE: Safeguards & Security
DERIVED FROM: CG-TS5-3, Rev 1 9/98 DOE/OC (Guide, Date)
Declassify On: 25X2 [EU] When declassified by NNSA

~~REVIEW FOR RESTRICTED DATA REQUIRED prior to declassification per P.L. 104-106, Section 3155.~~

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A-6001-972 (REV 1)

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HNF2009-00010 (u) 2085
Pg Chg 1, 5-27-09

Savannah River Nuclear Solutions
Savannah River Site
Aiken, SC 29808
SRS MC&A Phone (803) 725-5035, Unclassified Fax (803)725-2477, Classified Fax (803) 725-5035

REQUEST TO SHIP NUCLEAR MATERIALS (U)

SHIPPING INFORMATION: (To be completed by generating contractor) **Date:** 5/5/09

Contractor: CH2M HILL PLATEAU REMED. Co. (RIS HTC).

Address: 2440 Stevens Center

Richland, Washington 99352-1505

Request Shipping Date: May 25, 2009 **741#** HTC-DZA-26

Material Classification: CAT I, ATTRACTIVENESS C

Shipment Classification: CNSI

b(1)

Package Description: Hanford Unirradiated Fuel Package (HUFP) cask

Method of Shipment: OST Secure Transport (SGT)

Number of Containers: 4 HUFPs (One HUFP per SGT Trailer)

(b(2)

Authorization Number if Required: SAV # 36459

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HNF2009-00010

HANFORD CHPRC LEGACY FUEL PROJECT

MC&A REQUEST TO SHIP NUCLEAR MATERIAL TWENTY-SIX

PART 1: LOOSE PINS WITHIN IDENT69Gs WITHIN CORE COMPONENT CONTAINERS (CCC)

(b(1)

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[redacted]

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HNF2009-00010

HANFORD CHPRC LEGACY FUEL PROJECT

MC&A REQUEST TO SHIP NUCLEAR MATERIAL TWENTY-SIX

PART 1: LOOSE PINS WITHIN IDENT69Gs WITHIN CORE COMPONENT CONTAINERS (CCC)

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4 (b)

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CLASSIFICATION	ID Number
[redacted]	HNF2009-00012
	This document consists of 7 pages.
Company: Fluor Hanford Inc.	
Address: P.O. Box 1111, Richland, WA 99352	Document Date: 5/13/09
Title: HANFORD AUTHORIZATION TO SHIP REQUEST TWENTY-SIX (U)	
Author: G.M. Clark	RECEIVED/PROCESSED APR 12 2010 CLASSIFIED DOCUMENT CONTROL
Department: CHPRC PFP De-Inventory Project	
[redacted] Restrictions: All conten[redacted] the tables an[redacted] is classified CNSI un[redacted]d otherwise.	RIDS Code: ADM 18.57A

Internal Distribution	External Distribution
CDC	Elizabeth R. Hackney, SRNS, SRS Site
Gerry Griffin	John Silko, DOE-RL
Greg Clark	

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1st Review-Date: 9/16/09 — Determination: Circle Number(s)
Authority: ☐ AOC ☒ ADC ☐ ADD — (1) Classification Retained
Name: Gary B. Hulse — (2) Classification Changed To: DECLASSIFIED with Deletions
(3) Contains No DOE Classified Info
2nd Review-Date: 9/16/09 — (4) Coordinate With:
Authority: ~~AOC ADC ADD~~ — (5) Classification Cancelled
Name: DEAN SCOTT — (6) Classified Info Bracketed
(7) Other (Specify):
CG-SS-4, Chg 6, 9/2000 DOE OC

Redaction by Removed jbrigg 4/7/2010
Removed jbrigg 4/7/2010
Removed jbrigg 4/7/2010, DD
NAVARRO RESEARCH & ENGR

CLASSIFIER: Gary B. Hulse DATE: 5/11/09
WORK TITLE: Safeguards & Security
DERIVED FROM: CG-SS-3, Rev 1 (Guide) 9/99 (Date) DOE/OC
Declassify On: 25X 2 [EU] When declassified by WNS

[redacted] FOR RESTRICTED DATA [redacted] REQUIRED [redacted] to declassification per P.L. 104-106, section [redacted]

THE CONTENTS OF THIS PAGE ARE UNCLASSIFIED

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A-6001-972 (REV 1)

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Hanford Authorization to Ship Request : LEGACY FUEL TRANSFER

Hanford 741#	HTC-DZA-26
HUFP Serial Number	001
Core Component Container ID	106
Prior Storage ISV Number	10
Hanford Load Date	May 18, 2009
Manufacturer Leak Test Date	January 26, 2009
Post Load Leak Test Date	May 18, 2009

Hanford TID 1	(b(1)
Hanford TID 2	
Hanford TID 3	
HUFP Tare Weight lbs	8,351.00
HUFP Net Weight lbs	3,260.00
HUFP Gross Weight lbs (without skid)	11,680.00
HUFP SKID Gross Weight lbs	600.00
Total Wattage	130.21

Torque Wrench CCC Adapter Lid	840-88-01-226
TW HUFP Lid	840-88-01-210
TW Vent and Fill Port Plugs	840-88-01-125
TW Seal Test Port Plug	840-88-01-125
TW Impact Limiter	840-88-01-127

HUFP Radiological Data

Surface Contamination Alpha DPM	<20
Top Gamma Contact mrem/hr	0.30
Top Gamma at 1 meter	0.50
Top Neutron Contact	1.10
Top Neutron at 1 meter	1.40

Middle Gamma Contact	2.00
Middle Gamma at 1 meter	0.60
Middle Neutron Contact	30.00
Middle Neutron at 1 meter	5.60

Bottom Gamma Contact	0.50
Bottom Gamma at 1 meter	0.40
Bottom Neutron Contact	3.60
Bottom Neutron at 1 meter	3.40

HUFP SARP Number-Rev	HNF-28554 Rev 2
HUFP Drawing Number-Rev	41199-10-Rev 2
COC Package ID #	USA/9905/B(U)F-96 (DOE)
COC Certificate Number	9905
COC Expiration Date	August 31, 2013

Hanford Statements of Compliance:

SRNS has approved HNF2009-00058 for material acceptability and configuration of the HUFPs into KAC.

Each HUFP has been packaged in accordance with Hanford PFP work package 2Z-08-5853

Each HUFP has been maintained & packaged in accordance with SARP HNF-28554, Rev 2 (Chapters 8 & 7)

HUFP Tiedowns within each SGT are in accordance with ZO-200-117

HUFP Tiedown Configuration has been approved by the NNSA Office of Secure Transportation (OST)

Transportation Loading Requirements are demonstrated through P05CM2-04, HUFP Restraint System Analysis, by AREVA Federal Services.

There are NO NCRs against either the material contents or HUFP container

Approved: J. Compton

James A. Compton 5-21-09

PFP Shipping Design Authority — Date:

Verified: R. Wilbanks

Richard Wilbanks 5/21/09

CHPRC Manager, SNM Management and De-Inventory — Date:

DECLASSIFIED WITH Deletions

[redacted]

2

(b1)

[redacted]

HNF2009-00012 DEL

DECLASSIFIED WITH Deletions

Hanford Authorization to Ship Request : LEGACY FUEL TRANSFER

Hanford 741#	HTC-DZA-26
HUFP Serial Number	002
Core Component Container ID	102
Prior Storage ISV Number	9
Hanford Load Date	May 17, 2009
Manufacturer Leak Test Date	March 16, 2009
Post Load Leak Test Date	May 17, 2009

Hanford TID 1	(b1)
Hanford TID 2	
Hanford TID 3	
HUFP Tare Weight lbs	8,429.00
HUFP Net Weight lbs	4,340.00
HUFP Gross Weight lbs (without skid)	12,850.00
HUFP SKID Gross Weight lbs	630.00
Total Wattage	205.83

Torque Wrench CCC Adapter Lid	840-88-01-226
TW HUFP Lid	840-88-01-210
TW Vent and Fill Port Plugs	840-88-01-125
TW Seal Test Port Plug	840-88-01-125
TW Impact Limiter	840-88-01-127

HUFP Radiological Data

Surface Contamination Alpha DPM	<20
Top Gamma Contact (mrem/hr)	1.00
Top Gamma at 1 meter	0.10
Top Neutron Contact	2.00
Top Neutron at 1 meter	0.30

Middle Gamma Contact	3.00
Middle Gamma at 1 meter	2.00
Middle Neutron Contact	42.00
Middle Neutron at 1 meter	12.00

Bottom Gamma Contact	0.10
Bottom Gamma at 1 meter	0.10
Bottom Neutron Contact	8.00
Bottom Neutron at 1 meter	0.40

HUFP SARP Number-Rev	HNF-28554 Rev 2
HUFP Drawing Number-Rev	41199-10-Rev 2
COC Package ID #	USA/9905/B(U)F-96 (DOE)
COC Certificate Number	9905
COC Expiration Date	August 31, 2013

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Approved: J. Compton

James A. Compton 5-21-09

PFP Shipping Design Authority — Date:

Verified: R. Wilbanks

5/21/09

CHPRC Manager, SNM Management and De-Inventory — Date:

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[redacted]

3 (b1)

[redacted]

HNF2009-00012 DEL

DECLASSIFIED WITH DELETIONS

Hanford Authorization to Ship Request : LEGACY FUEL TRANSFER

Hanford 741#	HTC-DZA-26
HUFP Serial Number	003
Core Component Container ID	103
Prior Storage ISV Number	12
Hanford Load Date	May 17, 2009
Manufacturer Leak Test Date	March 16, 2009
Post Load Leak Test Date	May 17, 2009

Hanford TID 1	(b(1)
Hanford TID 2	
Hanford TID 3	
HUFP Tare Weight lbs	8,342.00
HUFP Net Weight lbs	3,980.00
HUFP Gross Weight lbs (without skid)	12,331.00
HUFP SKID Gross Weight lbs	629.00
Total Wattage	211.90

Torque Wrench CCC Adapter Lid	840-88-01-226
TW HUFP Lid	840-88-01-210
TW Vent and Fill Port Plugs	840-88-01-125
TW Seal Test Port Plug	840-88-01-125
TW Impact Limiter	840-88-01-127

HUFP Radiological Data

Surface Contamination Alpha DPM	<20
Top Gamma Contact (mrem/hr)	0.10
Top Gamma at 1 meter	0.10
Top Neutron Contact	4.00
Top Neutron at 1 meter	3.00

Middle Gamma Contact	2.50
Middle Gamma at 1 meter	0.50
Middle Neutron Contact	45.00
Middle Neutron at 1 meter	11.00

Bottom Gamma Contact	0.10
Bottom Gamma at 1 meter	0.10
Bottom Neutron Contact	3.00
Bottom Neutron at 1 meter	3.00

HUFP SARP Number-Rev	HNF-28554 Rev 2
HUFP Drawing Number-Rev	41199-10-Rev 2
COC Package ID #	USA/9905/B(U)F-96 (DOE)
COC Certificate Number	9905
COC Expiration Date	August 31, 2013

Hanford Statements of Compliance:

SRNS has approved HNF2009-00058 for material acceptability and configuration of the HUFPs into KAC.

Each HUFP has been packaged in accordance with Hanford PFP work package 2Z-08-5853

Each HUFP has been maintained & packaged in accordance with SARP HNF-28554, Rev 2 (Chapters 8 & 7)

HUFP Tiedowns within each SGT are in accordance with ZO-200-117

HUFP Tiedown Configuration has been approved by the NNSA Office of Secure Transportation (OST)

Transportation Loading Requirements are demonstrated through P05CM2-04, HUFP Restraint System Analysis, by AREVA Federal Services.

There are NO NCRs against either the material contents or HUFP container

Approved: J. Compton

James A. Compton 5-21-09

PFP Shipping Design Authority — Date:

Verified: R. Wilbanks

5/21/09

CHPRC Manager, SNM Management and De-Inventory — Date:

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[redacted]

4

(b1)

[redacted]

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Hanford Authorization to Ship Request : LEGACY FUEL TRANSFER

Hanford 741#	HTC-DZA-26
HUFP Serial Number	005
Core Component Container ID	101
Prior Storage ISV Number	11
Hanford Load Date	May 20, 2009
Manufacturer Leak Test Date	March 23, 2009
Post Load Leak Test Date	May 20, 2009

Hanford TID 1	(b(1)
Hanford TID 2	
Hanford TID 3	
HUFP Tare Weight lbs	8,342
HUFP Net Weight lbs	4,020
HUFP Gross Weight lbs (without skid)	12,411
HUFP SKID Gross Weight lbs	629
Total Wattage	190.08

Torque Wrench CCC Adapter Lid	840-88-01-226
TW HUFP Lid	840-88-01-127
TW Vent and Fill Port Plugs	840-88-01-125
TW Seal Test Port Plug	840-88-01-125
TW Impact Limiter	840-88-01-127

HUFP Radiological Data

Surface Contamination Alpha DPM	<20
Top Gamma Contact mrem/hr	0.10
Top Gamma at 1 meter	0.10
Top Neutron Contact	1.00
Top Neutron at 1 meter	2.00

Middle Gamma Contact	2.00
Middle Gamma at 1 meter	0.40
Middle Neutron Contact	27.00
Middle Neutron at 1 meter	6.00

Bottom Gamma Contact	0.20
Bottom Gamma at 1 meter	0.20
Bottom Neutron Contact	7.50
Bottom Neutron at 1 meter	3.80

HUFP SARP Number-Rev	HNF-28554 Rev 2
HUFP Drawing Number-Rev	41199-10-Rev 2
COC Package ID #	USA/9905/B(U)F-96 (DOE)
COC Certificate Number	9905
COC Expiration Date	August 31, 2013

Hanford Statements of Compliance:

SRNS has approved HNF2009-00058 for material acceptability and configuration of the HUFPs into KAC.

Each HUFP has been packaged in accordance with Hanford PFP work package 2Z-08-5853

Each HUFP has been maintained & packaged in accordance with SARP HNF-28554, Rev 2 (Chapters 8 & 7)

HUFP Tiedowns within each SGT are in accordance with ZO-200-117

HUFP Tiedown Configuration has been approved by the NNSA Office of Secure Transportation (OST)

Transportation Loading Requirements are demonstrated through P05CM2-04, HUFP Restraint System Analysis, by AREVA Federal Services.

There are NO NCRs against either the material contents or HUFP container

Approved: J. Compton

James A. Compton 5-21-09

PFP Shipping Design Authority — Date:

Verified: R. Wilbanks

5/21/09

CHPRC Manager, SNM Management and De-Inventory — Date:

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[redacted]

5

(b1)

[redacted]

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HANFORD CHPRC LEGACY FUEL PROJECT

TRIPS CAMPAIGN ID #756

PART 1: LOOSE PINS WITHIN IDENT69Gs WITHIN CORE COMPONENT CONTAINERS (CCC)

(b(1)

[redacted]

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[redacted]

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HANFORD CHPRC LEGACY FUEL PROJECT

TRIPS CAMPAIGN ID #756

PART 1: LOOSE PINS WITHIN IDENT69Gs WITHIN CORE COMPONENT CONTAINERS (CCC)

(b(1))

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[redacted]

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CLASSIFICATION	ID Number
[redacted]	HNF2009-00016
	This document consists of 5 pages.
Company: Fluor Hanford Inc.	
Address: P.O. Box 1111, Richland, WA 99352	Document Date: 5/13/09
Title: HANFORD FINAL TRANSPORTATION SHIPPING REQUEST (TSR) TWENTY-SIX (U)	
Author: G.M. Clark	RECEIVED/PROCESSED APR 12 2010 CLASSIFIED DOCUMENT CONTROL
Department: CHPRC PFP De-Inventory Project	
[redacted] Restrictions: All information [redacted] the Tables and [redacted] is classified CNSI unless [redacted] otherwise.	RIDS Code: ADM 18.57A

Internal Distribution	External Distribution
CDC	David Franks, NA-15, ABQ, NM
Gerry Griffin	John Silko, DOE-RL
Greg Clark	Glenn Konzek, DOE-RL SES
	Redaction by
	Removed JBriggs 4/7/2010
	DD 4/7/2010 NAVARRO RESEARCH & ENG
	DD
	Information deleted JBriggs 4/7/2010

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1st Review-Date: 9/16/09 — Determination: Circle Number(s)
Authority: ☐ AOC ☒ ADC ☐ ADD — (1) Classification Retained — Declassified with Deletions
Name: Gary B Hulse — (2) Classification Changed To
(3) Contains No DOE Classified Info
2nd Review-Date: 9/16/09 — (4) Coordinate With:
Authority: ~~Add CG-TSS-3, Rev 1~~ — (5) Classification Cancelled
Name: ~~DEAN SCOTT~~ — (6) Classified Info Bracketed
(7) Other (Specify)
CG-SS-4, chgs, 9/2000 DOE OC

CLASSIFIER: Gary B. Hulse — DATE: 5/11/09
WORK TITLE: Safeguards & Security
DERIVED FROM: CG-TSS-3 Rev 1 9/99 DOE/OC (Guide / Date)
Declassify On: 25X2 [EU] When declassified by NNSA

[redacted] FOR RESTRICTED DATA [redacted] per P.L. 104-106, section 3[redacted]

THE CONTENTS OF THIS PAGE ARE UNCLASSIFIED

[redacted]
CLASSIFICATION

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WITH DELETIONS

A-6001-972 (REV 1)

OST F 1540.5
Rev. 1 (10/08)

[redacted]

HNF2009- 00016

US DEPARTMENT OF ENERGY
NATIONAL NUCLEAR SECURITY ADMINISTRATION
OFFICE OF SECURE TRANSPORTATION (U)

DECLASSIFIED WITH DELETIONS

TRANSPORTATION SHIPPING REQUEST (TSR) (U)

1) TSR SUBMISSION DATES:	60 Day 4/10/09 30 Day 7 Day 5/18/09
2) SHIPMENT ID:	HTC-DZA-26
3) PROGRAM OFFICE AND REQUESTING SITE:	EM-1, HANFORD SITE
4) CAMPAIGN IDENTIFICATION NUMBERS (CIDs):	756, FUEL PINS TO SRS
5) TRANSPORTATION REQUIREMENTS:	
a) Pick up Location/Address	HTC, PLUTONIUM FINISHING PLANT, 2736-ZB, 200 WEST, HANFORD SITE, RICHLAND, WA, 99352
b) Delivery Location/Address	(b(2)
6) MATERIAL AVAILABILITY DATE:	5/22/09
7) MATERIAL REQUIRED DELIVERY DATE:	9/30/09
8) MATERIAL SCHEDULED DELIVERY DATE:	
9) NUMBER OF TRAILERS REQUIRED AND SPECIAL HANDLING REQUIREMENTS:	4 TRAILERS, ONE HUFP CASK PER TRAILER
10) CLASSIFICATION:	
a) Security Classification of Material Being Transported	CNSI
b) Nuclear Material Safeguards Category and Attractiveness Level	ATTRACTIVENESS C, CATEGORY I
11) REQUIREMENT FOR SHIPPING IN THE TSS:	DOE M 470.4-2, Chapter II, Section A, Subsection 7.c.(1)
12) TWENTY-FOUR HOUR EMERGENCY RESPONSE CONTACT:	HANFORD EMERG CTR 509-373-3800
13) CONTAINER INFORMATION:	
a) Name and Dimensions of Individual Containers	HUFP CASK, 201 INCHES LENGTH BY 60 INCHES DIAMETER; DUMB BELL SHAPED
b) Package Identification and/or Offsite Transportation Certificate Number (OTC) or Offsite Transportation Authorization Number (OTA)	USA/9905/B(U)F-96 (DOE)
c) Expiration Date of Container Certificate or Authorization	AUGUST 31, 2013

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[redacted]

 (b2)

[redacted] HNF2009-00016

OST F 1540.5
Rev. 1 (10/08)

US DEPARTMENT OF ENERGY
NATIONAL NUCLEAR SECURITY ADMINISTRATION
OFFICE OF SECURE TRANSPORTATION (U)

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TRANSPORTATION SHIPPING REQUEST (TSR) (U)

14) HAZARDOUS MATERIALS:	
a) Proper Shipping Name(s) (PSN) and Identification Number per 49 CFR	RQ, RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE, UN3328
b) Hazards Class/Division	7
15) FISSILE/RADIOACTIVE MATERIAL INFORMATION:	
a) Name of Radionuclide(s) and Percent Enrichment	Pu238, Pu239, Pu240, Pu241, Pu242, U235 (TSR Continuation Pages)
b) Physical Form of Material	PLUTONIUM/URANIUM MIXED OXIDE PELLETS
c) Chemical Form of Material	Pu/U O2
d) Type of Label Applied to Each Package	BAR III
16) CARGO TIE-DOWN RESTRAINT CONFIGURATION:	Special Tiedown as approved by OST
17) EXPLOSIVE MATERIAL INFORMATION:	
a) Proper Shipping Name	NOT APPLICABLE
b) Technical/Chemical Name	NOT APPLICABLE
c) Label Applied to Container or Special Assembly	NOT APPLICABLE
18) OTHER REQUIRED INFORMATION:	
a) Number of Containers Loaded on Each Trailer	ONE HUFP CASK PER TRAILER
b) Gross Weight of Individual Containers (pounds)	LOADED WEIGHT LESS THAN 14,000 LB
c) Total Quantities of Other Hazardous Materials	NONE
d) Transportation Index (TI)	SEE CONTINUATION PAGE ATTACHED
e) Criticality Safety Index (CSI) Reference 49CFR 173.403	100
f) Total Radioactivity	SEE CONTINUATION PAGE ATTACHED ATTACHED
g) Weight of Nuclides (grams)	(b(1))
h) Thermo Watt Output of the Nuclides	SEE CONTINUATION PAGE ATTACHED
i) Quantities of All Explosives (grams)	NONE
19) SHIPPER/RECEIVER APPROVAL CONFIRMATION:	SAV# 36458

[redacted]

DECLASSIFIED WITH DELETIONS

 (b1)

[redacted]

HNF2009-00016

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HANFORD CHPRC LEGACY FUEL PROJECT (U)

FINAL TRANSPORTATION SHIPPING REQUEST TWENTY-SIX (U)

TRIPS CAMPAIGN ID #756 (U)

PART 1: LOOSE PINS WITHIN IDENT69Gs WITHIN CORE COMPONENT CONTAINERS (CCC) (U)

(b(1))

4 (b)

[redacted]

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HANFORD CHPRC LEGACY FUEL PROJECT (u)

DECLASSIFIED WITH DELETIONS

FINAL TRANSPORTATION SHIPPING REQUEST TWENTY-SIX (u)

TRIPS CAMPAIGN ID #756 (u)

PART 1: LOOSE PINS WITHIN IDENT69Gs WITHIN CORE COMPONENT CONTAINERS (CCC) (u)

(b(1))

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WITH DELETIONS

CLASSIFICATION	ID Number
[redacted]	HNF2009-00072
Company: Fluor Hanford Inc.	This document consists of 21 pages.
Address: P.O. Box 1111, Richland, WA, 99352	Document Date: 6/3/09
Title: HANFORD ADVANCE MANIFEST TWENTY-SIX(U)	
Author: G.M. Clark	RECEIVED/PROCESSED APR 12 2010 CLASSIFIED DOCUMENT CONTROL
Department: CHPRC PFP De-Inventory Project	
Circulation Restrictions: [redacted]	RIDS Code: ADM 18.57A

Internal Distribution	External Distribution
CDC	Richard Koenig, SRNS, SRS Site
	Jerry Padgett, SRNS, SRS Site

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1st Review-Date: 9/16/09 — Determination: Circle Number(s)
Authority: ☐ AUC ☒ ADC ☐ ADD — (1) Classification Retained — (2) Classification Changed To — (3) Contains No DOE Classified Info — (4) Coordinate With: — (5) Classification Cancelled — (6) Classified Info Bracketed — (7) Other (Specify)
Name: Gary B. Hulse
2nd Review-Date: 9/16/09
Authority: ☐ AUC ☒ ADC ☐ ADD — Guide: CG-TSS-3, Rev 1 9/99 DOE/OC
Name: DEAN SCOTT

Redaction by J. Bruce 4/8/2010 NAVARRO, DD RESEARCH & ENGR

Removed Declassified with Deletions

Removed classifiel information J. Bruce 4/8/2010

CLASSIFIER: Gary B. Hulse — DATE: 6/3/09
WORK TITLE: Safeguards & Security
DERIVED FROM: CG-TSS-3, Revision 1 9/99 DOE/OC (Guide, Date)
Declassify On: 25X2 [EU] When declassified by NNSA

[redacted] P.L. 104-106, section

THE CONTENTS OF THIS PAGE ARE UNCLASSIFIED

[redacted]
CLASSIFICATION

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A-6001-972 (REV 1)

ATTACHMENT 4 – Load Calculation Sheet for HUFP

(b(2))

Date Loaded	5/31/09
Trailer Model	SGT
Container Model	HUFP
HUFP Serial Number	SN-001
Gross Weight of HUFP and skid	12,280 lbs

Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 5/31/09 (Date)

b(2)

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[redacted]

HNF2009-00072
~~HNF2009-00012~~
[redacted]

DEL.

HUFP DATA SHEET; for
Hanford Authorization to Ship Request : LEGACY FUEL TRANSFER

Hanford 741#	HTC-DZA-26
HUFP Serial Number	001
Core Component Container ID	106
Prior Storage ISV Number	10
Hanford Load Date	May 18, 2009
Manufacturer Leak Test Date	January 26, 2009
Post Load Leak Test Date	May 18, 2009

HUFP Radiological Data

Surface Contamination Alpha DPM	<20
Top Gamma Contact mrem/hr	0.30
Top Gamma at 1 meter	0.50
Top Neutron Contact	1.10
Top Neutron at 1 meter	1.40

Hanford TID 1	(b(1))
Hanford TID 2	
Hanford TID 3	

Middle Gamma Contact	2.00
Middle Gamma at 1 meter	0.60
Middle Neutron Contact	30.00
Middle Neutron at 1 meter	5.60

HUFP Tare Weight lbs	8,351.00
HUFP Net Weight lbs	3,260.00
HUFP Gross Weight lbs (without skid)	11,680.00
HUFP SKID Gross Weight lbs	600.00
Total Wattage	130.21

Bottom Gamma Contact	0.50
Bottom Gamma at 1 meter	0.40
Bottom Neutron Contact	3.60
Bottom Neutron at 1 meter	3.40

Torque Wrench CCC Adapter Lid	840-88-01-226
TW HUFP Lid	840-88-01-210
TW Vent and Fill Port Plugs	840-88-01-125
TW Seal Test Port Plug	840-88-01-125
TW Impact Limiter	840-88-01-127

HUFP SARP Number-Rev	HNF-28554 Rev 2
HUFP Drawing Number-Rev	41199-10-Rev 2
COC Package ID #	USA/9905/B(U)F-96 (DOE)
COC Certificate Number	9905
COC Expiration Date	August 31, 2013

Hanford Statements of Compliance:

SRNS has approved HNF2009-00058 for material acceptability and configuration of the HUFPs into KAC.

Each HUFP has been packaged in accordance with Hanford PFP work package 2Z-08-5853

Each HUFP has been maintained & packaged in accordance with SARP HNF-28554, Rev 2 (Chapters 8 & 7)

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Transportation Loading Requirements are demonstrated through P05CM2-04, HUFP Restraint System Analysis, by AREVA Federal Services.

There are NO NCRs against either the material contents or HUFP container

Approved: J. Compton

James A. Compton 5-21-09

PFP Shipping Design Authority — Date:

Verified: R. Wilbanks

5/21/09

CHPRC Manager, SNM Management and De-Inventory — Date:

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[redacted]

[redacted]

(b1)

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DEL

HNF2009-00072

PROJECT HANFORD PLUTONIUM FINISHING PLANT
RADIOLOGICAL SURVEY REPORT

Survey Report No. Z-090531003

Date	Time (Start/Stop)	Bldg./Room/Location
05/31/09	1530/1930	234-5z/South West corner of ZB

RWP Number	Work Package/Job Control Package/JSA	Routine Task Number(s)	Radiological Shipping Record No.
Z-857	2z-08-6793	N/A	

Purpose of Survey (check appropriate box(es)): [X] Job Coverage [ ] Required Task [ ] Material Release [X] RAM Shipment

~~[ ] Exposure Incident [ ] HRAA/HRA Work [ ] Skin Contamination [ ] Clothing Contamination [ ] Spill [ ] CAM Alarm~~

[ ] Other:

Job Description:
Support of the HUFP project.

DOSE RATE MEASUREMENTS Note[1] F = Field (≥30 cm) C = Contact (≤1 cm)

No.	Description	Dist. (cm) see Note[1]	WC (mrem/hr)	CF γ	Neutron Dose (mrem/hr)	Deep Dose (mrem/hr)
1	HUFP #001 Front middle (Highest)	C	2	1	30	32
2	HUFP #001 Front middle (Highest)	1 Meter	0.6	1	5.6	6.2
3	TRAILER #E-27858 (Highest loaded w/ HUFP)	C	0.3	1	4.3	4.6
4	TRAILER #E-27858 (Highest loaded w/ HUFP)	1 Meter	<0.1	1	1.5	1.5
5						
6						
7						
8		N/A				
9						
10						

ALPHA CONTAMINATION MEASUREMENTS

No.	Description	Background (cpm)	Direct Gross (cpm/PA)	Total Direct (dpm/100 cm²)	Removable (dpm/100 cm²)
1	Receipt survey (Trailer # E-27858)	0	0	<100	<D/LAW/<20
2	HUFP #001	0	N/A	N/A	<20
3					
4					
5					
6					
7					
8					
9		N/A			
10					
11					
12					
13					
14					
15					

[redacted]

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A-6003-349 (REV 3)

4

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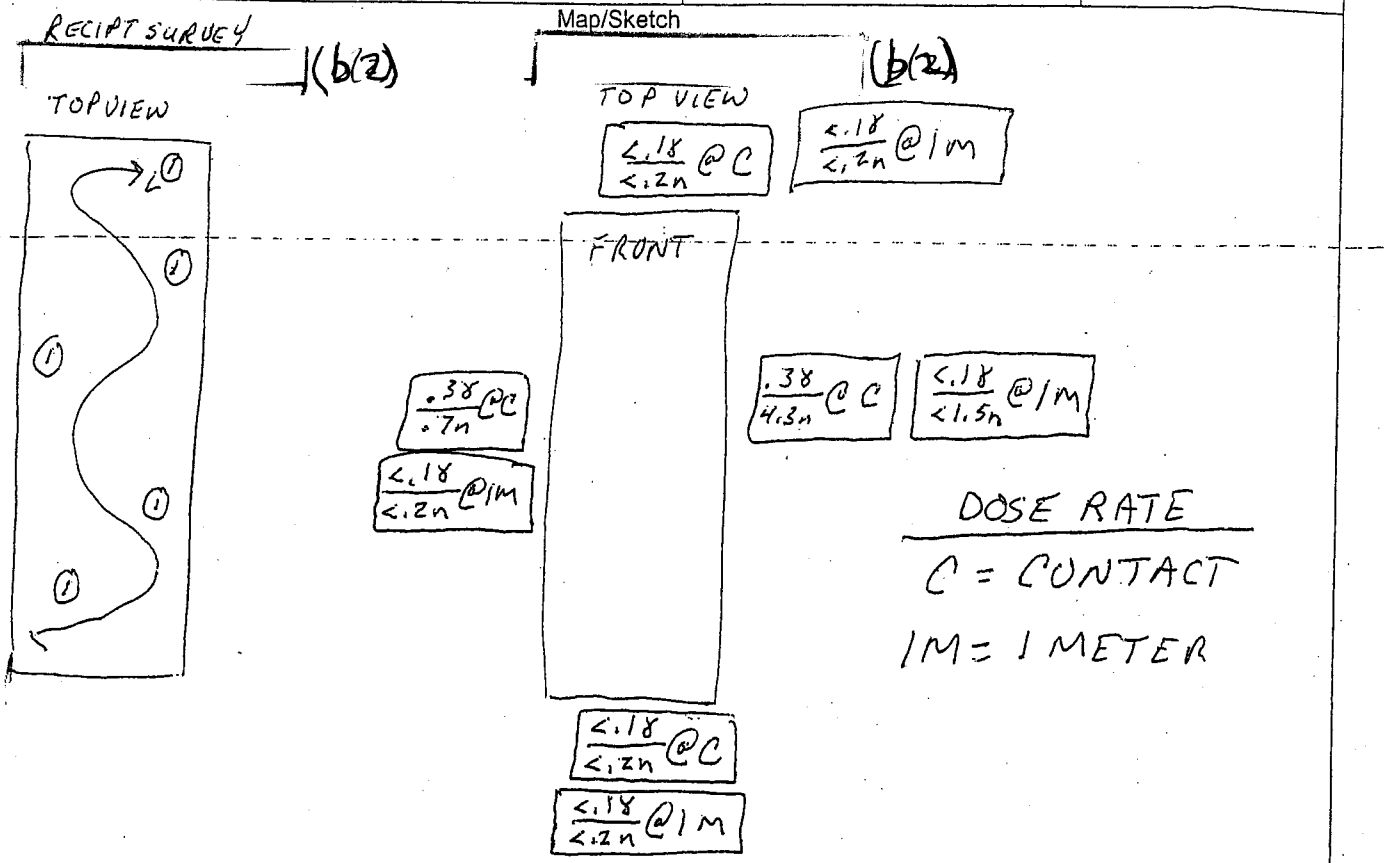
[redacted]

HNF2009-00072 DEL.

PROJECT HANFORD PLUTONIUM FINISHING PLANT
RADIOLOGICAL SURVEY REPORT

Survey Report No. Z-090531003

Map/Sketch



LEGEND:
(#) Smear
(#) Large Area Wipe (LAW)
(#) Air Sample
---- (Designation inside) ---- Radiological Area Boundary
☐ Field Dose Rate
* Contact Reading
Note: Dose Rates in mrem/hr unless otherwise noted.

COMMENTS: (Additional information as necessary to interpret results)
SMEARS WERE CHECKED W/ A GM, <1K DPM/100cm2, BACKGROUND @ 50 CPM.

Instrument/Probe Model		PAM	R0-3B (CP)	GM	REM BALL	N/A
Serial No.	Instrument	ACBC1-0126	ICEB3-0285	CMEBC-0003	CMEBD-1650	
	Probe	DTHN3-0725	NA	DTHNC-0022	DTEBL-0022	
Efficiency (used)		.17	NA	.10	N/A	

RCT Information

Date: 5/31/09 Payroll No.: 6C371/8D131

Name (Print): B. Keelean/M. K. Foster

Signature: B. Keelean / MK Foster

Reviewer Information

Date: Payroll No.:

Name (Print):

Signature:

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[redacted]

A-6003-349 (REV 3)

(b2)

DECLASSIFIED [redacted] HNF2009-00072 DEL

RADIOACTIVE SHIPMENT RECORD

WITH DELETIONS

3. Page 1 of 1 | 4. Ship ☐ Prepaid ☐ Collect | Via Motor

1. SHIP FROM U.S. DEPT. OF ENERGY C/O	2. SHIP TO ☑ U.S. DEPT. OF ENERGY C/O	5. SHIPMENT AUTHORIZATION NUMBER HTC-DZA-26
Company CHPRC / Hanford	Company Savannah River Site	6. EMERGENCY RESPONSE
Address	Address	Telephone
City, State, Zip	City, State, Zip	Emergency Response Guide(s) 165
Contact	Attention	7. Shipment DE-CI:
Phone	Phone	

HM	8. Proper Shipping Name: RQ Radioactive Material,	PRIMARY HAZARD	SUBSIDIARY HAZARD	UN ID
	excepted package - empty packaging	7		UN2908
	excepted package - limited quantity of material	7		UN2910
	low specific activity (LSA-I)	7		UN2912
	low specific activity (LSA-II)	7		UN3321
	surface contaminated objects (SCO-I)	7		UN2913
	surface contaminated objects (SCO-II)	7		UN2913
	transported under special arrangement	7		UN2919
	transported under special arrangement, fissile	7		UN3331
	Type A Package	7		UN2915
	Type A Package, special form	7		UN3332
X	Type B(U) Package, fissile	7		UN3328
	Type B(U) Package	7		UN2916

9. No. Pkg.	Model Package	COC/Spec	Serial No.	Seal No.	Isotopes	C.S.I.	T.I.	Bq/Package	Gr. Wt. Kg.
1	9905	USA/9905/B(U)F-96(DOE)	**	**	pu238, pu239, pu240, pu241, pu242	100	*	*	*

10. Identify for Normal Form Only	11.	12. LABELS APPLIED
Physical Form: ☐ Liquid ☐ Solid ☐ Gas	☐ Highway Route Controlled Quantity	☐ Empty ☐ Radioactive Yellow - II ☐ Fissile
Chemical Form: ☐ Elemental ☐ Metal ☐ Nitrate ☐ Oxide ☐ Mixture ☐ Other	☐ Exclusive Use Shipment with instructions	☐ Radioactive White - I ☐ Radioactive Yellow - III
	☐ Placards Applied	13. ADDITIONAL LABELS / MARKINGS
	☐ Fissile Excepted, Grams	** See 741 Document for Detailed Info.
	☐ UN ID Marking	* Shipped for the purpose of National Security 49 CFR 173.7(b)

b(2)

ssified, described, packaged, marked and labeled, and are in proper condition for artment of Transportation.

Organization T&P | Complete Cost Code (Inc. End Function)

15. Surface Dose Rate of Package	Dose Rate @ 1 Meter from Surface of Package	Smears of Outer Container	TRUCK LOAD OR EXCLUSIVE USE
☐ <0.005 or ____ mSv/hr	☐ <0.005 or ____ mSv/hr	☐ <0.4 Bq (22 dpm) ß γ/cm²	Surface ☑ <2 mSv/hr (200 mrem/hr)
<0.5 or 27 mrem/hr (N+ß γ)	<0.5 or 6.2 mrem/hr (N+ß γ)	☐ <0.04 Bq (2.2 dpm) α/cm²	@ 2 meters ☑ <0.1 mSv/hr (10 mrem/hr)
Additional Data and Instructions (inc. Readings on Internal Packaging)		☑ <Tbl. 2-2 HSRCM Onsite Limits	@ Cab or sleeper ☑ <0.02 mSv/hr (2 mrem/hr) (Using N+ß γ)

Signature - Radiation Monitoring	Bldg.	Survey No.	Date
[signature]	234-5Z	3-09013100 3	

TRANSPORTER DRIVER SIGNATURE	17. RECEIVER RECEIVER SIGNATURE	Date

(b(2))

19. AUTHORIZATION FOR SHIPMENT

AIR TRANSPORT CERTIFICATION	CARGO AIRCRAFT	PASSENGER AIRCRAFT	Pkg. Dimensions (cm)
☐ N/A	☐ Cargo Aircraft Only Labels Applied	☐ Ltd Qty ☐ Research/Medical Diagnosis ☐ <3 T.I. ☐ Human Medical Research	

20. OFFSITE AUTHORIZATION

Tracking No.	Date Shipped	Routing	ETA
Surveyed By	Date	Approved for Shipment Offsite	Date

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(b2)

NOTE: For "Via" block, choices are "Motor," "Rail," "Air Psgr.," "Air Cargo," "UPS," or "Site Carrier." [redacted] A-6003-214 (09/04)

ATTACHMENT 4 – Load Calculation Sheet for HUFP

(b(2))

Date Loaded	5/28/09
Trailer Model	SGT
Container Model	HUFP
HUFP Serial Number	SN-002
Gross Weight of HUFP and skid	13,480 lbs

Approvals:

Technical Authority: Brenda Pritchett (Print) Brenda Pritchett (Signature) 5/28/09 (Date)

b(2)

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HNF2009-00072 DEL

~~HNF2009-00012~~

[redacted]

HUFP DATA SHEET; for
Hanford Authorization to Ship Request : LEGACY FUEL TRANSFER

Hanford 741#	HTC-DZA-26
HUFP Serial Number	002
Core Component Container ID	102
Prior Storage ISV Number	9
Hanford Load Date	May 17, 2009
Manufacturer Leak Test Date	March 16, 2009
Post Load Leak Test Date	May 17, 2009

✓Hanford TID 1	(b(1))
✓Hanford TID 2	
✓Hanford TID 3	
HUFP Tare Weight lbs	8,429.00
HUFP Net Weight lbs	4,340.00
HUFP Gross Weight lbs (without skid)	12,850.00
HUFP SKID Gross Weight lbs	630.00
Total Wattage	205.83
Torque Wrench CCC Adapter Lid	840-88-01-226
TW HUFP Lid	840-88-01-210
TW Vent and Fill Port Plugs	840-88-01-125
TW Seal Test Port Plug	840-88-01-125
TW Impact Limiter	840-88-01-127

HUFP Radiological Data

Surface Contamination Alpha DPM	<20
Top Gamma Contact (mrem/hr)	1.00
Top Gamma at 1 meter	0.10
Top Neutron Contact	2.00
Top Neutron at 1 meter	0.30
Middle Gamma Contact	3.00
Middle Gamma at 1 meter	2.00
Middle Neutron Contact	42.00
Middle Neutron at 1 meter	12.00
Bottom Gamma Contact	0.10
Bottom Gamma at 1 meter	0.10
Bottom Neutron Contact	8.00
Bottom Neutron at 1 meter	0.40

HUFP SARP Number-Rev	HNF-28554 Rev 2
HUFP Drawing Number-Rev	41199-10-Rev 2
COC Package ID #	USA/9905/B(U)F-96 (DOE)
COC Certificate Number	9905
COC Expiration Date	August 31, 2013

Hanford Statements of Compliance:

SRNS has approved HNF2009-00058 for material acceptability and configuration of the HUFPs into KAC.

Each HUFP has been packaged in accordance with Hanford PFP work package 2Z-08-5853

Each HUFP has been maintained & packaged in accordance with SARP HNF-28554, Rev 2 (Chapters 8 & 7)

HUFP Tiedowns within each SGT are in accordance with ZO-200-117

HUFP Tiedown Configuration has been approved by the NNSA Office of Secure Transportation (OST)

Transportation Loading Requirements are demonstrated through P05CM2-04, HUFP Restraint System Analysis, by AREVA Federal Services.

There are NO NCRs against either the material contents or HUFP container

Approved: J. Compton

James A. Compton 5-21-09

PFP Shipping Design Authority — Date:

Verified: R. Wilbanks

5/21/09

CHPRC Manager, SNM Management and De-Inventory — Date:

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[redacted]

8

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HNF2009-00072

RADIOACTIVE SHIPMENT RECORD

Page 1 of 1 | Ship ☐ Prepaid ☐ Collect | Via motor

1. SHIP FROM U.S. DEPT. OF ENERGY C/O	2. SHIP TO ☑ U.S. DEPT. OF ENERGY C/O	5. SHIPMENT AUTHORIZATION NUMBER HTC-DZA-76
Company CHPRC / Hanford	Company Savannah River Site	6. EMERGENCY RESPONSE
Address	Address	Telephone
City, State, Zip	City, State, Zip	Emergency Response Guide(s) 165
Contact	Attention	7. Shipment DE-CI
Phone	Phone	

HM	8. Proper Shipping Name: 139 Radioactive Material	PRIMARY HAZARD	SUBSIDIARY HAZARD	UN ID
	excepted package - empty packaging	7		UN2908
	excepted package - limited quantity of material	7		UN2910
	low specific activity (LSA-I)	7		UN2912
	low specific activity (LSA-II)	7		UN3321
	surface contaminated objects (SCO-I)	7		UN2913
	surface contaminated objects (SCO-II)	7		UN2913
	transported under special arrangement	7		UN2919
	transported under special arrangement, fissile	7		UN3331
	Type A Package	7		UN2915
	Type A Package, special form	7		UN3332
✓	Type B(U) Package, fissile	7		UN3328
	Type B(U) Package	7		UN2916

9. No. Pkg	Model Package	COC/Spec	Serial No.	Seal No.	Isotopes	C.S.I.	T.I.	Bq/package	Gr. Wt. Kg
1	9965	9965	**	**	[illegible]	100	*	*	*

10. Identify for Normal Form Only

Physical Form: ☐ Liquid ☐ Solid ☐ Gas

Chemical Form: ☑ Elemental ☑ Nitrate ☑ Mixture ☑ Metal ☑ Oxide ☑ Other

11.

☐ Highway Route Controlled Quantity
☐ Exclusive Use Shipment with Instructions
☐ Placards Applied
☐ Fissile Excepted, Grams
☐ UN ID Marking

12. LABELS APPLIED

☐ Empty ☑ Radioactive Yellow - II ☐ Fissile
☐ Radioactive White - I ☑ Radioactive Yellow - III

13. ADDITIONAL LABELS / MARKINGS

** See THIS document for Date, Isotope Info
** RPCA Form for the Percent of Contained Isotopes in the Pkg

(b(2))

[redacted] are properly classified, described, packaged, marked and labeled, and are in proper condition for [redacted] tions of the Department of Transportation.

Date | Organization | Complete Cost Code (Inst. End Function)

16. Surface Dose Rate of Package	Dose Rate @ 1 Meter from Surface of Package	Smears of Outer Container	TRUCK LOAD OR EXCLUSIVE USE
☑ <0.005 or ____ mSv/hr; <0.5 or ____ mrem/hr (N, B, γ)	☐ <0.005 or ____ mSv/hr; <0.5 or ____ mrem/hr (N, B, γ)	☐ <0.4 Bq (22 dpm) β, γ/cm² ☑ <0.04 Bq (2.2 dpm) α/cm² ☐ <Tbl. 2.2 HSRCM Onsite Limits	Surface ☐ <2 mSv/hr (200 mrem/hr); @ 2 meters ☐ <0.1 mSv/hr (10 mrem/hr); @ Cab or sleeper ☐ <0.02 mSv/hr (2 mrem/hr) (Using N, B, γ)

Additional Data and Instructions (Inc. Readings on Internal Packaging)

Signature: Radiation Monitoring	Bldg.	Survey No.	Date
[illegible]	[illegible]	[illegible]	

16. TRANSPORTER DRIVER SIGNATURE	17. RECEIVER RECEIVER SIGNATURE	Date

(b(2))

AUTHORIZATION STATEMENT

AIR TRANSPORT CERTIFICATION	CARGO AIRCRAFT	PASSENGER AIRCRAFT		Pkg. Dimensions (cm)
☐ N/A	☐ Cargo Aircraft Only Labels Applied	☐ Ltd Qty ☐ <3 T.I.	☐ Research/Medical Diagnosis ☐ Human Medical Research	

20. OFFSITE AUTHORIZATION

Tracking No.	Date Shipped	Routing	ETA
Surveyed By	Date	Approved for Shipment Offsite [redacted]	Date 9

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NOTE: For "Via" block, choices are "Motor," "Rail," "Air Psgr," "Air Cargo," "UPS," or "Site Carrier."

A-6006-214 (09/04)

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HNF2009-00072

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PROJECT HANFORD PLUTONIUM FINISHING PLANT
RADIOLOGICAL SURVEY REPORT

Survey Report No. Z-090528014

Date	Time (Start/Stop)	Bldg./Room/Location
05-28-09	0800/1600	2345Z/SOUTHWEST CORNER

RWP Number	Work Package/Job Control Package/JSA	Routine Task Number(s)	Radiological Shipping Record No.
Z-857	NA	Z-W003,W010	NA

Purpose of Survey (check appropriate box(es)): [X] Job Coverage [X] Required Task [ ] Material Release [X] RAM Shipment

[ ] Exposure Incident [ ] HRA/VHRA Work [ ] Skin Contamination [ ] Clothing Contamination [ ] Spill [ ] CAM Alarm

[ ] Other:

Job Description:
RCT COVERAGE OF THE HUFP PROJECT AND WEEKLY SURVEY OF RMA-HUFP STORAGE AREA

DOSE RATE MEASUREMENTS Note[1] F = Field (≥30 cm) C = Contact (≤1 cm)

No.	Description	Dist. (cm) see Note[1]	WC (mrem/hr)	CF γ	Neutron Dose (mrem/hr)	Deep Dose (mrem/hr)
1	HUFP 002 BACK MIDDLE (HIGHEST)	C	2.5	1	34	36.5
2	HUFP 002 BACK MIDDLE (HIGHEST)	1 METER	0.5	1	5.0	5.5
3	HUFP STORAGE AREA	F	1	1	15	16
4	TRAILER (HIGHEST)	C	0.3	1	6.4	6.7
5	TRAILER (HIGHEST)	2 METERS	0.2	1	1.1	1.3
6						
7						
8		N/A				
9						
10						

ALPHA CONTAMINATION MEASUREMENTS

No.	Description	Background (cpm)	Direct Gross (cpm/PA)	Total Direct (dpm/100 cm²)	Removable (dpm/100 cm²)
1	HUFP 002	0	NA	NA	<20
2	TRAILER AND HUFP STORAGE AREA	0	NA	NA	<D/LAW
3	HUFP STORAGE AREA AND TRAILER	0	NA	NA	<20
4					
5					
6					
7					
8					
9		N/A			
10					
11					
12					
13					
14					
15					

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A-6003-349 (REV 3)

10

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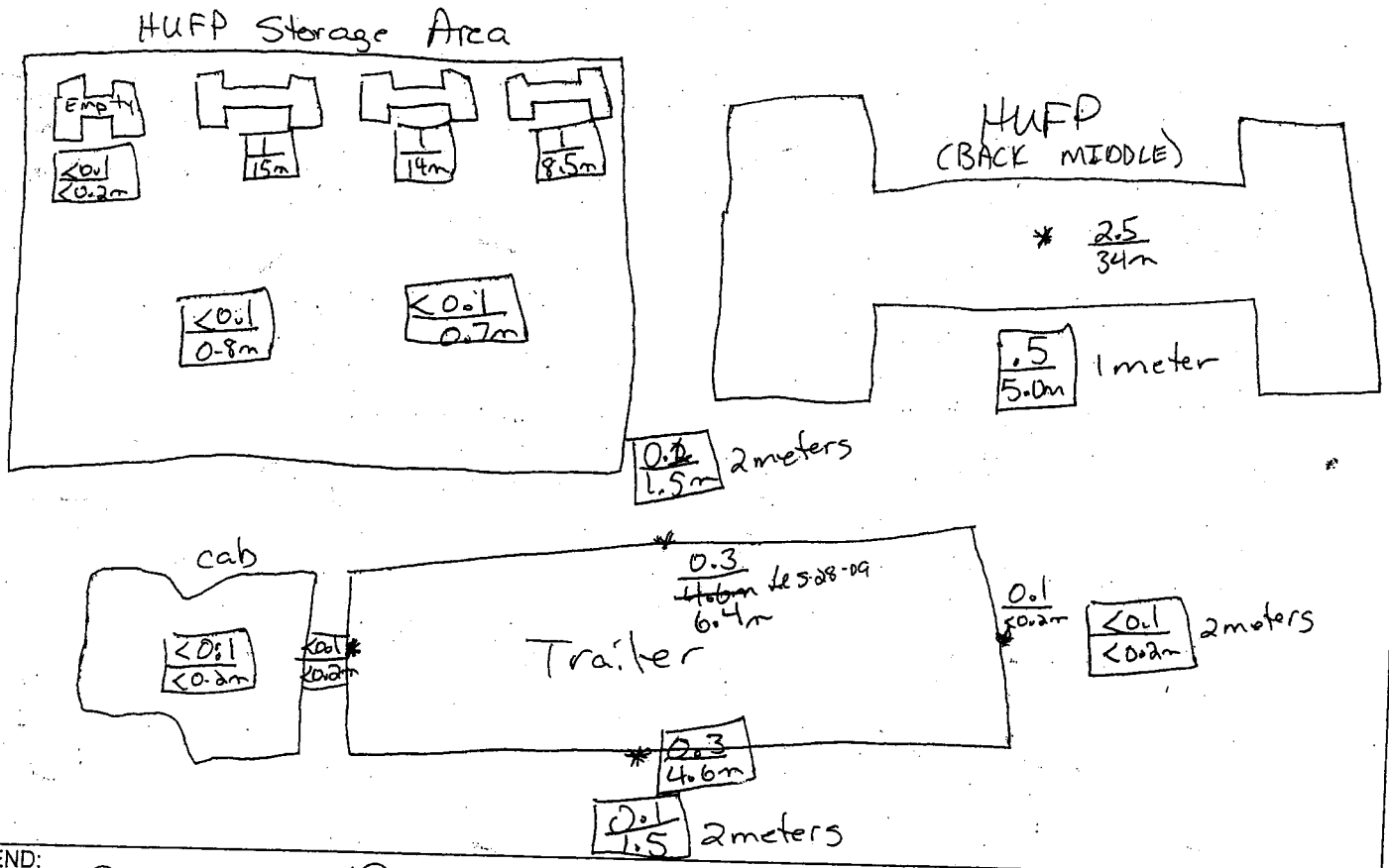
HNF2009-00072 DEL

PROJECT HANFORD PLUTONIUM FINISHING PLANT RADIOLOGICAL SURVEY REPORT

Survey Report No. Z-090528014

Map/Sketch



LEGEND:

(#) Smear | (#) Large Area Wipe (LAW) | (#) Air Sample | ---- (Designation inside) ---- Radiological Area Boundary

☐ Field Dose Rate | * Contact Reading | Note: Dose Rates in mrem/hr unless otherwise noted.

COMMENTS: (Additional information as necessary to interpret results)

SMEARS WERE ALSO CHECKED WITH A GM.
<1000 DPM/100CM2 FOR BETA/GAMMA
GM SERIAL # CMEBC-0031
DTHNC-0022
EFF. 10%
BKG. 50 CPM
NO CONTAMINATION WAS DETECTED DURING THE WORK EVOLUTION.

Instrument/Probe Model		PAM	R0-3B (CP)	REM BALL	N/A	N/A
Serial No.	Instrument	ACHN2-0165	ICEB3-0079	CMEBD-1650		
	Probe	DTHN3-0144	NA	DTEBL-0022		
Efficiency (used)		.16	NA	NA		

RCT Information

Date: 5-28-09 Payroll No.: 8D136/8D133

Name (Print): TERESA IRVIN/ JOSH HANEY

Signature: [signature]

Reviewer Information

Date: 6/1/09 Payroll No.: 8D720

Name (Print): B. E. Williamson

Signature: [signature]

[redacted] DECLASSIFIED

A-6003-349 (REV 3)

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ATTACHMENT 4 – Load Calculation Sheet for HUFP

(b(2)

Date Loaded	5-31-09
Trailer Model	SGT
Container Model	HUFP
HUFP Serial Number	SN-003
Gross Weight of HUFP and skid	12,960 Lbs

Approvals:

Technical Authority: Brenda Pritchett (Print) [signature] (Signature) 5/31/09 (Date)

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HUFP DATA SHEET; for
Hanford Authorization to Ship Request : LEGACY FUEL TRANSFER

Hanford 741#	HTC-DZA-26
HUFP Serial Number	003
Core Component Container ID	103
Prior Storage ISV Number	12
Hanford Load Date	May 17, 2009
Manufacturer Leak Test Date	March 16, 2009
Post Load Leak Test Date	May 17, 2009

Hanford TID 1	(b(1))
Hanford TID 2	
Hanford TID 3	

HUFP Tare Weight lbs	8,342.00
HUFP Net Weight lbs.	3,980.00
HUFP Gross Weight lbs (without skid)	12,331.00
HUFP SKID Gross Weight lbs	629.00
Total Wattage	211.90

Torque Wrench CCC Adapter Lid	840-88-01-226
TW HUFP Lid	840-88-01-210
TW Vent and Fill Port Plugs	840-88-01-125
TW Seal Test Port Plug	840-88-01-125
TW Impact Limiter	840-88-01-127

HUFP Radiological Data

Surface Contamination Alpha DPM	<20
Top Gamma Contact (mrem/hr)	0.10
Top Gamma at 1 meter	0.10
Top Neutron Contact	4.00
Top Neutron at 1 meter	3.00

Middle Gamma Contact	2.50
Middle Gamma at 1 meter	0.50
Middle Neutron Contact	45.00
Middle Neutron at 1 meter	11.00

Bottom Gamma Contact	0.10
Bottom Gamma at 1 meter	0.10
Bottom Neutron Contact	3.00
Bottom Neutron at 1 meter	3.00

HUFP SARP Number-Rev	HNF-28554 Rev 2
HUFP Drawing Number-Rev	41199-10-Rev 2
COC Package ID #	USA/9905/B(U)F-96 (DOE)
COC Certificate Number	9905
COC Expiration Date	August 31, 2013

Hanford Statements of Compliance:

SRNS has approved HNF2009-00058 for material acceptability and configuration of the HUFPs into KAC.

Each HUFP has been packaged in accordance with Hanford PFP work package 2Z-08-5853

Each HUFP has been maintained & packaged in accordance with SARP HNF-28554, Rev 2 (Chapters 8 & 7)

HUFP Tiedowns within each SGT are in accordance with ZO-200-117

HUFP Tiedown Configuration has been approved by the NNSA Office of Secure Transportation (OST)

Transportation Loading Requirements are demonstrated through P05CM2-04, HUFP Restraint System Analysis, by AREVA Federal Services.

There are NO NCRs against either the material contents or HUFP container

Approved: J. Compton

James A. Compton 5-21-09

PFP Shipping Design Authority — Date:

Verified: R. Wilbanks

5/21/09

CHPRC Manager, SNM Management and De-Inventory — Date:

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[redacted]

13

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RADIOACTIVE SHIPMENT RECORD

3. Page 1 of 1 | 4. Ship ☐ Prepaid ☐ Collect | Via Motor

1. SHIP FROM U.S. DEPT. OF ENERGY C/O	2. SHIP TO ☒ U.S. DEPT. OF ENERGY C/O	5. SHIPMENT AUTHORIZATION NUMBER HTC-DZA-26
Company CHPRC / Hanford	Company Savanna River Site	6. EMERGENCY RESPONSE
Address	Address	Telephone
City, State, Zip	City, State, Zip	Emergency Response Guide(s) 165
Contact	Attention	7. Shipment DE-CI:
Phone	Phone	

HM	8. Proper Shipping Name: RQ Radioactive Material,	PRIMARY HAZARD	SUBSIDIARY HAZARD	UN ID
	excepted package - empty packaging	7		UN2908
	excepted package - limited quantity of material	7		UN2910
	low specific activity (LSA-I)	7		UN2912
	low specific activity (LSA-II)	7		UN3321
	surface contaminated objects (SCO-I)	7		UN2913
	surface contaminated objects (SCO-II)	7		UN2913
	transported under special arrangement	7		UN2919
	transported under special arrangement, fissile	7		UN3331
	Type A Package	7		UN2915
	Type A Package, special form	7		UN3332
X	Type B(U) Package, fissile	7		UN3328
	Type B(U) Package	7		UN2916

9. No. Pkg.	Model Package	COC/Spec	Serial No.	Seal No.	Isotopes	C.S.I.	T.I.	Bq/Package	Gr. Wt. Kg.
1	9905	USA/9905/B(U)F-96(DOE)	* *	* *	Pu238, Pu239, Pu240, Pu241, Pu242, ~~Am241~~	100	*	*	*

10. Identify for Normal Form Only	11.	12. LABELS APPLIED
Physical Form: ☐ Liquid ☐ Solid ☐ Gas	☐ Highway Route Controlled Quantity	☐ Empty ☐ Radioactive Yellow - II ☐ Fissile
Chemical Form: ☐ Elemental ☐ Metal ☐ Nitrate ☐ Oxide ☐ Mixture ☐ Other	☐ Exclusive Use Shipment with instructions	☐ Radioactive White - I ☐ Radioactive Yellow - III
	☐ Placards Applied	13. ADDITIONAL LABELS / MARKINGS
	☐ Fissile Excepted, Grams	**See 741 Document for Detailed Info.
	☐ UN ID Marking	*shipped for the purpose of National Security 49CFR 173.7(b)

(b(2)) ; are properly classified, described, packaged, marked and labeled, and are in proper condition for ations of the Department of Transportation.

Date | Organization TdP | Complete Cost Code (Inc. End Function)

15. Surface Dose Rate of Package	Dose Rate @ 1 Meter from Surface of Package	Smears of Outer Container	TRUCK LOAD OR EXCLUSIVE USE
☐ <0.005 or ____ mSv/hr	☐ <0.005 or ____ mSv/hr	☐ <0.4 Bq (22 dpm) ß γ/cm²	Surface ☒ <2 mSv/hr (200 mrem/hr)
<0.5 or 47.5 mrem/hr (N+ß γ)	<0.5 or 11.5 mrem/hr (N+ß γ)	☐ <0.04 Bq (2.2 dpm) α/cm²	@ 2 meters ☒ <0.1 mSv/hr (10 mrem/hr)
		☒ Tbl. 2-2 HSRCM Onsite Limits	@ Cab or sleeper ☒ <0.02 mSv/hr (2 mrem/hr) (Using N+ß γ)

Additional Data and Instructions (inc. Readings on Internal Packaging)

Signature - Radiation Monitoring	Bldg.	Survey No.	Date
R. Kul	234-5	2-09053/002	

16. TRANSPORTER	17. RECEIVER	
DRIVER SIGNATURE	RECEIVER SIGNATURE	Date
(b(2))		Date

AUTHORIZATION FOR SHIPMENT

AIR TRANSPORT CERTIFICATION	CARGO AIRCRAFT	PASSENGER AIRCRAFT		Pkg. Dimensions (cm)
☐ N/A	☐ Cargo Aircraft Only Labels Applied	☐ Ltd Qty	☐ Research/Medical Diagnosis	
		☐ <3 T.I.	☐ Human Medical Research	

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20. OFFSITE AUTHORIZATION

Tracking No.	Date Shipped	Routing	ETA
Surveyed By	Date	Approved for Shipment Offsite	Date

NOTE: For "Via" block, choices are "Motor," "Rail," "Air Psgr.," "Air Cargo," "UPS," or "Site Carrie[redacted]/14 A-6003-214 (09/04) (b2)

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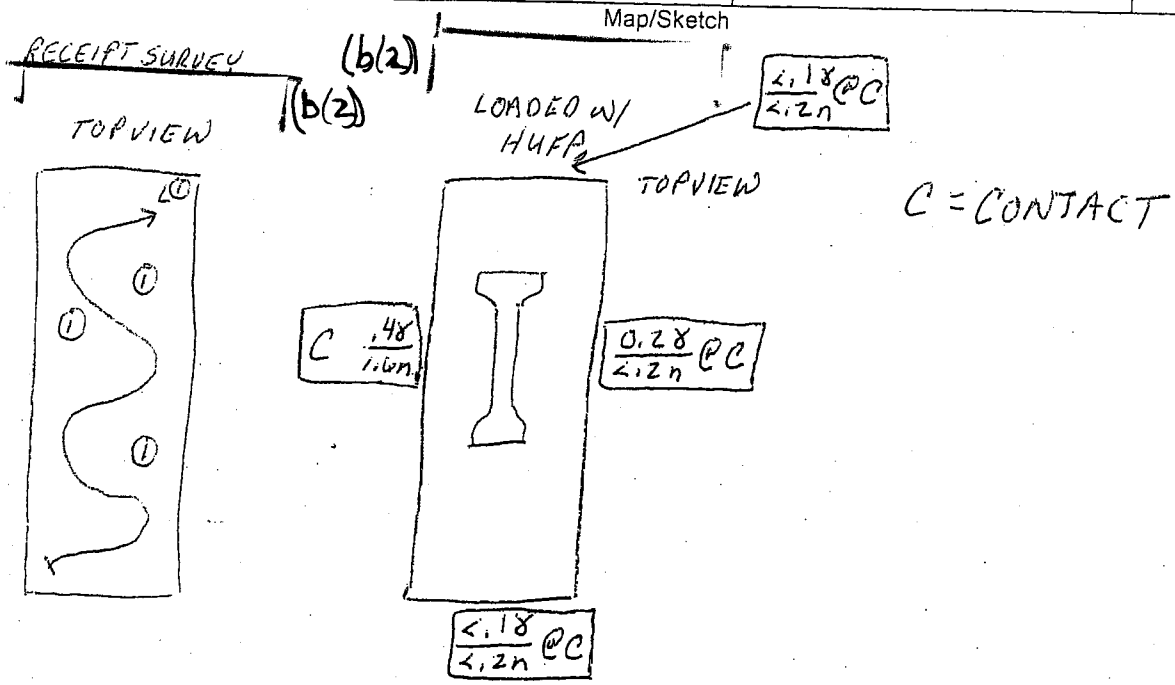
HNF 2009-00072

DEL.

PROJECT HANFORD PLUTONIUM FINISHING PLANT RADIOLOGICAL SURVEY REPORT	Survey Report No. Z-090531002	Page 2 of 2

Map/Sketch



LEGEND:
(#) Smear
(#) Large Area Wipe (LAW)
(#) Air Sample
---- (Designation inside) ----
Radiological Area Boundary
☐ Field Dose Rate
* Contact Reading
Note: Dose Rates in mrem/hr unless otherwise noted.

COMMENTS: (Additional information as necessary to interpret results)
SMEARS WERE CHECKED W/ A GM, <1K DPM/100cm2, BACKGROUND @ 50 CPM.

Instrument/Probe Model		PAM	R0-3B (CP)	GM	REM BALL	N/A
Serial No.	Instrument	ACBC1-0126	ICEB3-0285	CMEBC-0003	CMEBD-1650	
	Probe	DTHN3-0725	NA	DTHNC-0022	DTEBL-0022	
Efficiency (used)		.17	NA	.10	N/A	

RCT Information

Date: 5/31/09 Payroll No.: 6C371/73887

Name (Print): B. Keelean/M. Buttts

Signature: B. Keel / M Butts

Reviewer Information

Date: Payroll No.:

Name (Print):

Signature:

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[redacted]

A-6003-349 (REV 3)

16 (b2)

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HNF2009-00072 DEL.

PROJECT [redacted] PLUTONIUM FINISHING PLANT RADIOLOGICAL SURVEY REPORT	Survey Report No. Z-090531002	Page 1 of 2

Date	Time (Start/Stop)	Bldg./Room/Location
05/31/09	0730/1600	234-5z/South West corner of ZB

RWP Number	Work Package/Job Control Package/JSA	Routine Task Number(s)	Radiological Shipping Record No.
Z-857	2z-08-6793	N/A	

Purpose of Survey (check appropriate box(es)): [X] Job Coverage [ ] Required Task [ ] Material Release [X] RAM Shipment

[ ] Exposure Incident [ ] HRA/VHRA Work [ ] Skin Contamination [ ] Clothing Contamination [ ] Spill [ ] CAM Alarm

[ ] Other:

Job Description:
Support of the HUFP project.

DOSE RATE MEASUREMENTS Note[1] F = Field (≥30 cm) C = Contact (≤1 cm)

No.	Description	Dist. (cm) see Note[1]	WC (mrem/hr)	CF γ	Neutron Dose (mrem/hr)	Deep Dose (mrem/hr)
1	HUFP #003 Back middle (Highest)	C	2.5	1	45	47.5
2	HUFP #003 Front middle (Highest)	1 Meter	0.5	1	11	11.5
3	TRAILER #E-27979 (Highest loaded w/ HUFP)	C	0.4	1	1.6	2
4	TRAILER #E-27979 (Highest loaded w/ HUFP)	1 Meter	<0.1	1	1.3	1.3
5						
6						
7						
8		N/A				
9						
10						

ALPHA CONTAMINATION MEASUREMENTS

No.	Description	Background (cpm)	Direct Gross (cpm/PA)	Total Direct (dpm/100 cm²)	Removable (dpm/100 cm²)
1		0	0	<100	<D/LAW/<20
2	HUFP #003	0	N/A	N/A	<20
3					
4					
5					
6					
7					
8		N/A			
9					
10					
11					
12					
13					
14					
15					

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A-6003-349 (REV 3)

15

ATTACHMENT 4 – Load Calculation Sheet for HUFP

(b(2)

Date Loaded	6-1-09
Trailer Model	SGT
Container Model	HUFP
HUFP Serial Number	SN-005
Gross Weight of HUFP and skid	13,040 lbs

Approvals:

Technical Authority: JA Compton (Print) James A. Compton (Signature) 6-1-09 (Date)

b(2)

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[redacted]

HNF2009-00072

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DEL

HUFP DATA SHEET; for
Hanford Authorization to Ship Request : LEGACY FUEL TRANSFER

Hanford 741#	HTC-DZA-26
HUFP Serial Number	005
Core Component Container ID	101
Prior Storage ISV Number	11
Hanford Load Date	May 20, 2009
Manufacturer Leak Test Date	March 23, 2009
Post Load Leak Test Date	May 20, 2009

Hanford TID 1	(b(1)
Hanford TID 2	
Hanford TID 3	
HUFP Tare Weight lbs	8,342
HUFP Net Weight lbs	4,020
HUFP Gross Weight lbs (without skid)	12,411
HUFP SKID Gross Weight lbs	629
Total Wattage	190.08

Torque Wrench CCC Adapter Lid	840-88-01-226
TW HUFP Lid	840-88-01-127
TW Vent and Fill Port Plugs	840-88-01-125
TW Seal Test Port Plug	840-88-01-125
TW Impact Limiter	840-88-01-127

HUFP Radiological Data

Surface Contamination Alpha DPM	<20
Top Gamma Contact mrem/hr	0.10
Top Gamma at 1 meter	0.10
Top Neutron Contact	1.00
Top Neutron at 1 meter	2.00

Middle Gamma Contact	2.00
Middle Gamma at 1 meter	0.40
Middle Neutron Contact	27.00
Middle Neutron at 1 meter	6.00

Bottom Gamma Contact	0.20
Bottom Gamma at 1 meter	0.20
Bottom Neutron Contact	7.50
Bottom Neutron at 1 meter	3.80

HUFP SARP Number-Rev	HNF-28554 Rev 2
HUFP Drawing Number-Rev	41199-10-Rev 2
COC Package ID #	USA/9905/B(U)F-96 (DOE)
COC Certificate Number	9905
COC Expiration Date	August 31, 2013

Hanford Statements of Compliance:

SRNS has approved HNF2009-00058 for material acceptability and configuration of the HUFPs into KAC.

Each HUFP has been packaged in accordance with Hanford PFP work package 2Z-08-5853

Each HUFP has been maintained & packaged in accordance with SARP HNF-28554, Rev 2 (Chapters 8 & 7)

HUFP Tiedowns within each SGT are in accordance with ZO-200-117

HUFP Tiedown Configuration has been approved by the NNSA Office of Secure Transportation (OST)

Transportation Loading Requirements are demonstrated through P05CM2-04, HUFP Restraint System Analysis, by AREVA Federal Services.

There are NO NCRs against either the material contents or HUFP container

Approved: J. Compton

James A. Compton 5-21-09

PFP Shipping Design Authority — Date:

Verified: R. Wilbanks

5/21/09

CHPRC Manager, SNM Management and De-Inventory — Date:

[redacted]

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18

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DECLASSIFIED [redacted] HNF2009-00072 DEL

PROJECT HANFORD PLUTONIUM FINISHING PLANT RADIOLOGICAL SURVEY REPORT

Survey Report No. Z-090601009

Date	Time (Start/Stop)	Bldg./Room/Location
06-01-09	0800/1600	2345Z/SOUTHWEST CORNER

RWP Number	Work Package/Job Control Package/JSA	Routine Task Number(s)	Radiological Shipping Record No.
Z-857	NA	NA	NA

Purpose of Survey (check appropriate box(es)): [X] Job Coverage [ ] Required Task [ ] Material Release [X] RAM Shipment

[ ] Exposure Incident [ ] HRA/VHRA Work [ ] Skin Contamination [ ] Clothing Contamination [ ] Spill [ ] CAM Alarm

[ ] Other:

Job Description:
RCT COVERAGE OF THE HUFP PROJECT

DOSE RATE MEASUREMENTS Note[1] F = Field (≥30 cm) C = Contact (≤1 cm)

No.	Description	Dist. (cm) see Note[1]	WC (mrem/hr)	CF γ	Neutron Dose (mrem/hr)	Deep Dose (mrem/hr)
1	HUFP 005 FRONT MIDDLE (HIGHEST)	C	5	1	28	33
2	HUFP 005 FRONT MIDDLE (HIGHEST)	1 METER	0.2	1	1.8	2.0
3	HUFP STORAGE AREA	F	<0.1	1	<0.2	<0.2
4	TRAILER (HIGHEST)	C	0.2	1	3.6	3.8
5	TRAILER (HIGHEST)	2 METERS	<0.1	1	0.7	0.7
6						
7						
8						
9						
10						

N/A

COPY

ALPHA CONTAMINATION MEASUREMENTS

No.	Description	Background (cpm)	Direct Gross (cpm/PA)	Total Direct (dpm/100 cm²)	Removable (dpm/100 cm²)
1	HUFP 005	0	NA	NA	<20
2	TRAILER	0	NA	NA	<D/LAW
3	TRAILER	0	NA	NA	<20
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

N/A

DECLASSIFIED [redacted]

A-6003-349 (REV 3)

[redacted]

HNF2009-00072

DEL

PROJECT HANFORD PLUTONIUM FINISHING PLANT RADIOLOGICAL SURVEY REPORT	Survey Report No. Z-090601009	Page 2 of 2

DECLASSIFIED

Map/Sketch

N/A

COPY

LEGEND: Smear; Large Area Wipe (LAW); Air Sample; ---- (Designation inside) ---- Radiological Area Boundary; Field Dose Rate; * Contact Reading

Note: Dose Rates in mrem/hr unless otherwise noted.

COMMENTS: (Additional information as necessary to interpret results)
SMEARS WERE ALSO CHECKED WITH A GM.
<1000 DPM/100CM2 FOR BETA/GAMMA
GM SERIAL # CMEBC-0031
DTHNC-0022
EFF. 10%
BKG. 50 CPM
NO CONTAMINATION WAS DETECTED DURING THE WORK EVOLUTION.
HUFP STORAGE AREA WAS DOWN POSTED FROM A RMA/RA.

Instrument/Probe Model		PAM	R0-3B (CP)	REM BALL		
Serial No.	Instrument	ACHN2-0156	ICEB3-0486	CMEBD-1650		
	Probe	DTHN3-0490	NA	DTEBL-0022		
Efficiency (used)		.16	NA	NA		

RCT Information

Date: 6-1-09 Payroll No.: 8D136/8D133

Name (Print): TERESA IRVIN/ JOSH HANEY

Signature: [signature]

Reviewer Information

Date: Payroll No.:

Name (Print):

Signature:

[redacted]

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A-6003-349 (REV 3)

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[redacted]

HNF2009-00072

RADIOACTIVE SHIPMENT RECORD

3. Page 1 of 1 | 4. Ship ☐ Prepaid ☐ Collect | Via Motor

1. SHIP FROM U.S. DEPT. OF ENERGY C/O
Company CHPRC/Hanford
Address
City, State, Zip
Contact
Phone

2. SHIP TO ☑ U.S. DEPT. OF ENERGY C/O
Company Savannah River
Address Site
City, State, Zip
Attention
Phone

5. SHIPMENT AUTHORIZATION NUMBER HTC-DZA-26

6. EMERGENCY RESPONSE
Telephone
Emergency Response Guide(s) 165

7. Shipment DE-Ci:

HM	8. Proper Shipping Name: RQ Radioactive Material,	PRIMARY HAZARD	SUBSIDIARY HAZARD	UN ID
	excepted package - empty packaging	7		UN2908
	excepted package - limited quantity of material	7		UN2910
	low specific activity (LSA-I)	7		UN2912
	low specific activity (LSA-II)	7		UN3321
	surface contaminated objects (SCO-I)	7		UN2913
	surface contaminated objects (SCO-II)	7		UN2913
	transported under special arrangement	7		UN2919
	transported under special arrangement, fissile	7		UN3331
	Type A Package	7		UN2915
	Type A Package, special form	7		UN3332
X	Type B(U) Package, fissile	7		UN3328
	Type B(U) Package	7		UN2916

9. No. Pkg.	Model Package	COC/Spec	Serial No.	Seal No.	Isotopes	C.S.I.	T.I.	Bq/Package	Gr. Wt. Kg.
1	9905	USA/9905/B(U)F-96(DOE)	**	**	Pu238 Pu239 Pu240 Pu241 Pu242 ~~Am241~~	100	*	*	*

10. Identify for Normal Form Only
Physical Form: ☐ Liquid ☐ Solid ☐ Gas
Chemical Form: ☐ Elemental ☐ Metal ☐ Nitrate ☐ Oxide ☐ Mixture ☐ Other

11.
☐ Highway Route Controlled Quantity
☐ Exclusive Use Shipment with instructions
☐ Placards Applied
☐ Fissile Excepted, Grams
☐ UN ID Marking

12. No 5/22/09 **LABELS APPLIED**
☐ Empty ☐ Radioactive Yellow - II ☐ Fissile
☐ Radioactive White - I ☐ Radioactive Yellow - III

13. ADDITIONAL LABELS / MARKINGS
**See 741 Document for Detailed Info.
*Shipped for the purpose of National Security by 49CFR 173.7(b)

b(2)

are properly classified, described, packaged, marked and labeled, and are in proper condition for
itions of the Department of Transportation.

Date | Organization T&P | Complete Cost Code (Inc. End Function)

15. Surface Dose Rate of Package
☐ <0.005 or _____ mSv/hr
<0.5 or 3.3 mrem/hr (N+ß γ)

Dose Rate @ 1 Meter from Surface of Package
☐ <0.005 or _____ mSv/hr
<0.5 or 2.0 mrem/hr (N+ß γ)

Additional Data and Instructions (inc. Readings on Internal Packaging)

Smears of Outer Container
☑ <0.4 Bq (22 dpm) ß γ/cm²
☑ <0.04 Bq (2.2 dpm) α/cm²
☑ <Tbl. 2-2 HSRCM Onsite Limits

TRUCK LOAD OR EXCLUSIVE USE
Surface ☑ <2 mSv/hr (200 mrem/hr)
@ 2 meters ☑ <0.1 mSv/hr (10 mrem/hr)
@ Cab or sleeper ☑ <0.02 mSv/hr (2 mrem/hr) (Using N+ß γ)

Signature - Radiation Monitoring | Bldg. DFP | Survey No. Z-0906-01009 | Date 6-1-09

16. TRANSPORTER
RIVER SIGNATURE

17. RECEIVER
RECEIVER SIGNATURE | Date

(b(2))

Date

AIR TRANSPORT CERTIFICATION
☐ N/A

CARGO AIRCRAFT
☐ Cargo Aircraft Only Labels Applied

PASSENGER AIRCRAFT
☐ Ltd Qty ☐ Research/Medical Diagnosis
☐ <3 T.I. ☐ Human Medical Research

Pkg. Dimensions (cm)

20. OFFSITE AUTHORIZATION

Tracking No.	Date Shipped	Routing	ETA
Surveyed By	Date	Approved for Shipment Offsite	Date

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NOTE: For "Via" block, choices are "Motor," "Rail," "Air Psgr.," "Air Cargo," "UPS," or "Site Carrier." [redacted]

A-6003-214 (09/04)

21 (b2)

CLASSIFICATION

[redacted]

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ID Number HNF2009-00167 DEL.

This document consists of 3 pages.

Company FLUOR HANFORD, INC.

Address P. O. BOX 1111, RICHLAND, WA 99352

Document Date 06/04/2009

Title HTC-DZA-26 SHIPMENT (U)

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APR 12 2010

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Author M. N. SERIER

Department SAFEGUARDS - FH

Circ[redacted] Restrictions

The entire [redacted] of this [redacted] are Confidential - N[redacted]

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1st Review-Date: 9/16/09

Authority: ☐ AOC ☒ ADC ☐ ADD

Name: Gary B. Hutsell

2nd Review-Date: 9/16/09

Authority: CG-SS-4, Chg 6 9/2000

Name: DEAN SCOTT

Determination: Circle Number(s)

(1) Classification Retained — Removed by deletion

(2) Classification Changed To Declassified with Deletions

(3) Contains No DOE Classified Info

(4) Coordinate With:

(5) Classification Cancelled

(6) Classified Info Bracketed — Removed by deletions

(7) Other (Specify)

Redaction by J. Bruce DD NAVARRO Research & Engr. 4/9/2010

CLASSIFIER: Terri L Weld / Terri L Weld DATE: 6-9-09

WORK TITLE: Scientist

DERIVED FROM: CG-SS-4 Chg 6 (Guide) 9/2000 (Date) DOE/OC

Declassify On: 25X2; When declassified by DOE

[redacted] FOR RESTRICTE[redacted]

[redacted] declas[redacted]tion

per P.L. 104-106, section 31[redacted]

THE CONTENTS OF THIS PAGE ARE UNCLASSIFIED

[redacted]

CLASSIFICATION

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A-6001-972 (REV 1)

DOE/NRC [redacted]741
(5-2002) Previ[redacted]ultions 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.

[redacted]

U.S. DEPARTMENT OF [redacted]GY
AND
[redacted]S. NUCLEAR REGULATORY COMMISSION

NUCLEAR MATERIAL TRANSACTION REPORT

APPROVED BY OMB: NO. 3150-0003 EXPI[redacted]: 05/31/2005

Estimated burden per response to comply with this mandatory collection request: 45 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 Management Branch (T-6 E6), 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.

1. SHIPPER'S RIS	2. RECEIVER'S RIS	3. TRANSACTION NO.	4. CORRECTION NO.	5. PROCESSING CODE				7. DOCUMENTATION (Only if document is classified SECRET)		
HTC	DZA	26		a. SHIPPER A	b. RECEIVER	a. SHIPPER	[redacted]	OF 2 PAGES	COPY OF COPIES	SERIES

8a. NAME AND ADDRESS (as OF SHIPPER)	b. LICENSE	8a. NAME AND ADDRESS (as OF RECEIVER)	b. LICENSE

(b(2))

9. NO OF DATA LINES 25

10. SHIPPED FOR ACCOUNT OF

b. RIS

[redacted] b. RIS

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9	

14. TRANSFER AUTHORITY-CONTRACT, NM DRAFT, OR ORDER NUMBER
DE-AC06-08RL14788

15. EXPORT OR IMPORT TRANSFERS: LICENSE NO.

16. MATERIAL TYPE AND DESCRIPTION
Fuel Pins Total PU LE 681.5/Total ISO LE 612.2

20a. MISCELLANEOUS
SAV #36459 Total EU LE 222.4/TOTAL ISO LE 28.8

b. CONCISE NOTE ATTACHED [ ]

c. UK REPORTABLE? [ ] YES [X] 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	MONTH (MM)	DAY (DD)	YEAR (YYYY)
a. SHIPMENT	06	04	2009
b. SHIPPER'S CORRECTION			
c. RECEIPT			
d. RECEIVER'S MEASUREMENT			
e. RECEIVER'S CORRECTION			

24. TOTAL GROSS WEIGHT 22349

25. TOTAL VOLUME (Waste Transfers Only) 0

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

26. SHIPPER'S DATA

(b(2))

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26s. SHIPPER'S DATA ^^^ SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED
Mary Lerer 6/4/09

VVV 27s. RECEIVER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED

27. RECEIVER'S DATA

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

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

[redacted]

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HNF-2009-00167-DEL

DOE/NRC 741
(5-2002) 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.

[redacted]

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

NUCLEAR MATERIAL TRANSACTION REPORT
(Continuation Page)

APPROVED BY OMB: NO. 3150-0003 EXPIRES: 05/31/2005

Estimated burden per response to comply with this mandatory collection request: 45 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 Management Branch (T-6 E6), 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.

PAGE 2 OF 2 PAGES

TRANSFER SERIES: SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	26	

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 %/PPM ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR
										1	2	3							

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(b1)

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ID Number	HNF2009-00178
This document consists of	5 pages.
Company	FLUOR HANFORD, INC.
Address	P. O. BOX 1111, RICHLAND, WA 99352
Document Date	07/06/2009

Title HTC-DZA-26 SHIPMENT CORRECTION TO DOC# HNF2009-00167 (U)

Author M. N. SERIER

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1st Review Date: 9/16/09
Authority: ☐ AOC ☒ ADC ☐ ADD
Name: Gary B Hallen
2nd Review Date: 9/16/09
Authority: CG-SS-4, chg6
Name: DEANSCOTT

Determination: Circle Number(s)
1. Classification Retained
2. Classification Changed To ~~UNCLASSIFIED~~ (Declassified)
3. Contains No DOE Classified Info
4. Coordinate With:
5. Classification Cancelled
6. Classified Info Bracketed
7. Other (Specify)

DD
NAVARRO Research & Eng.
4/12/2010

CLASSIFIER: Claire Christensen DATE: 7/6/09

WORK TITLE: Scientist Claire Christensen

DERIVED FROM: CG-SS-4 Sept 2000 Chg 6 DOE/OC
Guide Date

Declassify On: 25X2 - when declassified by DOE-HQ

REVIEW FOR RESTRICTED DATA [redacted]

per P.L. 104-106, section 3[redacted]

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CLASSIFICATION

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A-6001-972 (REV 1)

AUTHORIZ[illegible] CFR 30, 40, 50, 70, 72, 74, 75, 150 [illegible] Public Laws [illegible], 93-438, 95-91.

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NUCLEAR MATERIAL TRANSACTION REPORT

accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden e[illegible] to the Records Management Branch (T-6 E6), 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 no[illegible] conduct or sponsor, and a person is not required to respond to, the information collection.

1. SHIPPER'S RIS	2. RECEIVER'S RIS	3. TRANSACTION NO.	4. CORRECTION NO.	5. PROCESSING CODE a. SHIPPER	b. RECEIVER	6. ACTION CODE a. SHIPPER	b. RECEIVER	7. DOCUMENTATION (Only if document is classified SECRET) PAGE	OF	PAGES	COPY OF COPIES	SERIES
HTC	DZA	26	1	A		C		1	1			

8a. NAME AND ADDRESS OF SHIPPER: CH2M HILL PLATEAU REMEDIATION
P.O. BOX 1000
RICHLAND WA 99352
c. ATTENTION MARJORY SERIER
d. TELEPHONE (509) 372-1444

b. LICENSE NO.

9a. NAME AND ADDRESS OF RECEIVER: SAVANNAH RIVER NUCLEAR SOLUTIONS
AIKEN SC 29808
c. ATTENTION RE LYNN
d. TELEPHONE 803-725-5176

b. LICENSE NO.

10. NO OF DATA LINES 2

11. NATURE OF TRANSACTION

12a. SHIPPED FOR ACCOUNT OF b. RIS

12a. SHIPPED TO ACCOUNT OF b. RIS

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14. TRANSFER AUTHORITY-CONTRACT, NM DRAFT, OR ORDER NUMBER: DE-AC06-08RL14788

15. EXPORT OR IMPORT TRANSFERS: LICENSE NO.

16. MATERIAL TYPE AND DESCRIPTION: FUEL PINS TOTAL PU LE 681.5 TOTAL ISO LE 612.2

23a. MISCELLANEOUS: SAV #36459 TOTAL EU LE 222.4 TOTAL ISO LE 28.8

b. CONCISE NOTE ATTACHED [ ]

c. UK REPORTABLE? [ ] YES [X] 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	MONTH (MM)	DAY (DD)	YEAR (YYYY)
a. SHIPMENT	06	04	2009
b. SHIPPER'S CORRECTION	06	30	2009
c. RECEIPT			
d. RECEIVER'S MEASUREMENT			
e. RECEIVER'S CORRECTION			

24. TOTAL GROSS WEIGHT 22349

25. TOTAL VOLUME (Waste Transfers Only) 0

26. SHIPPER'S DATA

BACH REFERENCE NUMBER a.	LINE NO. b.	TYPE OF INV. CHANGE c.	IDENTIFICATION (ITEM/BATCH NAME) d.	NO. OF ITEMS e.	PROJECT NUMBER f.	MATERIAL TYPE g.	COMP/ FACILITY CODE h.	OWNER CODE i.	KEY MEAS. POINT j.	MEAS. IDENT. k. 1 BASIS	2 OMP	3 METHOD	GROSS WEIGHT l.	NET WEIGHT m.	ELEMENT WEIGHT n.	ELEMENT LIMIT OF ERROR o.	WEIGHT %/PPM ISOTOPE p.	ISOTOPE WEIGHT q.	ISOTOPE LIMIT OF ERROR r.
	1			-4	HEZ134227T	88	309	G						0.20338	-135				
	2			-7	HEZ134227F	88	309	G						0.14194	-125				

26s. SHIPPER'S DATA — SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED: Marjory Serier 7/2/09

27s. RECEIVER'S DATA — SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED

27. RECEIVER'S DATA

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CLASSIFIER: Gene Christensen DATE: 7/6/09
TITLE: Scientist Gene Christensen
DECLASSIFY ON: 25YR - when declassified by DOE-HQ
DERIVED FROM: CG-SS-4 Sept 2000 Chgs DOE/OS

HNF-8089-8178

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Public Laws 83-[redacted], 93-438, 95-91.

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NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden es[redacted]to the Records Management Branch (T-6 E6), 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.

TRANSFER SERIES			
SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO.	CORR NO.
HTC	DZA	26	1

LINE NO.	NAME	ITEM TYPE C	I	EL	ISO	WT	MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER ATTRIBUTES
	HUFP001	x									CONTAINER TYPE=CK ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT= TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
	CCC-106	x									CONTAINER TYPE=C3 ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT= TARE WEIGHT= ENTEREDCATEGORY= CALCEDCATEGORY=4
	IDENT 69-G-32	x									CONTAINER TYPE=ISC ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT=260 kg TARE WEIGHT= kg ENTEREDCATEGORY= CALCEDCATEGORY=
	PIN-PE03C11	x									CONTAINER TYPE=PN ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT= UNK TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
	PE03C11-A		x						309		TYPE INVENTORY CHANGE= MATERIAL NAME=PE03C11-A ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY= CALCEDCATEGORY=
01	Th			x		9	88	HEZ134227T		09/01/2005	OWNER=G RandomLOE=
	Th232				x	9					WEIGHT %=100 RandomLOE=
	PIN-PE03B17	x									CONTAINER TYPE=PN ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT= UNK TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
	PE03B17-B		x						309		TYPE INVENTORY CHANGE= MATERIAL NAME=PE03B17-B ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY= CALCEDCATEGORY=
01	Th			x		113	88	HEZ134227T		11/01/2008	OWNER=G RandomLOE=
	Th232				x	113					WEIGHT %=100 RandomLOE=
	PE03B17-A		x						309		TYPE INVENTORY CHANGE= MATERIAL NAME=PE03B17-A ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY= CALCEDCATEGORY=
01	Th			x		9	88	HEZ134227T		09/01/2005	OWNER=G RandomLOE=
	Th232				x	9					WEIGHT %=100 RandomLOE=
	PIN-P60D1	x									CONTAINER TYPE=PN ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT= UNK TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
	P60D1-A		x						309		TYPE INVENTORY CHANGE= MATERIAL NAME=P60D1-A ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY= CALCEDCATEGORY=
02	Th			x		11	88	HEZ134227F		09/01/2005	OWNER=G RandomLOE=
	Th232				x	11					WEIGHT %=100 RandomLOE=
	PIN-P60C24	x									CONTAINER TYPE=PN ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT= UNK TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
	P60C24-A		x						309		TYPE INVENTORY CHANGE= MATERIAL NAME=P60C24-A ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY= CALCEDCATEGORY=
02	Th			x		21	88	HEZ134227F		09/01/2005	OWNER=G RandomLOE=
	Th232				x	21					WEIGHT %=100 RandomLOE=
	PIN-P60C23	x									CONTAINER TYPE=PN ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT= UNK TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
	P60C23-A		x						309		TYPE INVENTORY CHANGE= MATERIAL NAME=P60C23-A ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY= CALCEDCATEGORY=
02	Th			x		21	88	HEZ134227F		09/01/2005	OWNER=G RandomLOE=
	Th232				x	21					WEIGHT %=100 RandomLOE=
	PIN-P60B1R	x									CONTAINER TYPE=PN ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT= UNK TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
	P60B1R-A		x						309		TYPE INVENTORY CHANGE= MATERIAL NAME=P60B1R-A ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY= CALCEDCATEGORY=
02	Th							[redacted]EZ134227F		09/01/2005	OWNER=G RandomLOE=
											WEIGHT %=100 RandomLOE=

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P60A23-A		x						309	NTEREDCATEGORY= CALCEDCATEGORY= TYPE INVENTORY CHANGE= MATERIAL NAME=P60A23-A ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY= CALCEDCATEGORY=

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AUTHORIZ[illegible] 10 CFR 30, 40, 50, 70, 72, 74, 75, 150.
Public Laws [illegible] 93-438, 95-91.

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NUCLEAR MATERIAL TRANSACTION REPORT
(Container Details)

[illegible] accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden [illegible] to the Records Management Branch (T-6 E6), 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.

TRANSFER SERIES: SHIPPER'S RIS	RECEIVER'S RIS	TRANS NO	CORR NO.
HTC	DZA	26	1

LINE NO	NAME	ITEM TYPE C	I	EL	ISO	WT	MAT. TYPE	PROJ	COMP CODE	DATE LAST DECAYED	OTHER COMPUTER
02	Th			x		21	88	HEZ134227F		09/01/2005	OWNER=G RandomLOE=
	Th232				x	21					WEIGHT %=100 RandomLOE=
	PIN-P60A10	x									CONTAINER TYPE=PN ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT= UNK TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
	P60A10-A		x						309		TYPE INVENTORY CHANGE= MATERIAL NAME=P60A10-A ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY= CALCEDCATEGORY=
02	Th			x		21	88	HEZ134227F		09/01/2005	OWNER=G RandomLOE=
	Th232				x	21					WEIGHT %=100 RandomLOE=
	PIN-P43-G113	x									CONTAINER TYPE=PN ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT= UNK TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
	P43-G113-A		x						309		TYPE INVENTORY CHANGE= MATERIAL NAME=P43-G113-A ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY= CALCEDCATEGORY=
01	Th			x		4	88	HEZ134227T		09/01/2005	OWNER=G RandomLOE=
	Th232				x	4					WEIGHT %=100 RandomLOE=
	PIN-P43-F108	x									CONTAINER TYPE=PN ENTITY CODE=1 NET WEIGHT= GROSS WEIGHT= UNK TARE WEIGHT= UNK ENTEREDCATEGORY= CALCEDCATEGORY=
	P43-F108-A		x						309		TYPE INVENTORY CHANGE= MATERIAL NAME=P43-F108-A ENTITY CODE= PIECE COUNT=1 FIRST FILL DATE= MANUFACTURE FILL DATE= BATCH= ATTRACTIVENESS= ENTEREDCATEGORY= CALCEDCATEGORY=
02	Th			x		19	88	HEZ134227F		09/01/2005	OWNER=G RandomLOE=
	Th232				x	19					WEIGHT %=100 RandomLOE=

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