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CCP-TP-068

Revision 8

CCP
Standardized Container Management

EFFECTIVE DATE: 09/28/2010

Larry Porter

PRINTED NAME

APPROVED FOR USE

RECORD OF REVISION

Revision Number	Date Approved	Description of Revision
0	03/23/2005	Initial issue.
1	04/15/2005	Revised to incorporate changes to address CBFO DRR comments.
2	04/13/2006	Revised to provide a consistent and standardized container management procedure.
3	10/19/2006	Revised in response to CAR No.: 06-037.
4	12/14/2006	Revised to address United States Department of Energy (DOE) Carlsbad Field Office (CBFO) Document Review Record (DRR) comments to Revision 3.
5	09/20/2007	Revised to incorporate changes to Attachment 1 and add Oakridge National Laboratory (ORNL) requirements.
6	07/13/2008	Revised to clarify the order of performance for efficiency and to reflect the fact that waste containers will be sampled by SUMMA® and Flammable Gas Analysis (FGA) as the Idaho National Laboratory (INL) Laboratory no longer provides hydrogen or methane results for SUMMA® samples.
7	05/28/2010	Revised in response to Corrective Action Report (CAR)-Los Alamos National Laboratory (LANL)-0006-09 and to clarify when a waste container must be put through container management.
8	09/28/2010	Revised to clarify instructions.

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LIST OF ATTACHMENTS

1.0 PURPOSE

This procedure describes and implements the Central Characterization Project (CCP) management, control, and tracking of transuranic (TRU) waste containers during the characterization process.

1.1 Scope

This procedure applies to personnel who support CCP TRU waste characterization activities at various Host sites. The Host site shall use their procedures for container movement and handling. Container tracking and management through CCP activities will be conducted using this procedure.

2.0 REQUIREMENTS

2.1 References

Baseline Documents

- CCP-PO-001, *CCP Transuranic Waste Characterization Quality Assurance Project Plan*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*

Referenced Documents

- CCP-PO-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
- CCP-QP-005, CCP *TRU Nonconforming Item Reporting and Control*
- CCP-QP-008, *CCP Records Management*

2.2 Training Requirements

2.2.1 None.

2.3 Procedure Implementation Requirements

NOTE
The requirements listed in Section 2.3 provide each site with guidance to implement the standardized instruction in Section 4.0.

2.3.1 Within the constraints of this procedure and in order to meet operational needs, the CCP Vendor Project Manager (VPM)/Designee may direct containers as required to allow for process efficiencies or corrective action for nonconforming conditions. Attachment 1, CCP Container Traveler (Label) serves as the container status indicator throughout characterization activities.

2.3.2 If a Nonconformance Report (NCR) is initiated at any time in the CCP process (from the initial introduction of the container into the CCP process to shipment of the container to the Waste Isolation Pilot Plant [WIPP]), the affected containers shall have a CCP Hold Tag applied and be physically segregated if practical. Normally, the container(s) will not continue through the characterization process. If this is **NOT** the case, limitations or actions required in the approved NCR disposition shall be included on the CCP NCR Hold

Tag. In NO case, shall the container(s) proceed to shipment until the NCR disposition is complete.

2.3.3 NO retrievably stored (Legacy) waste container may enter the normal characterization process (i.e., real-time radiography [RTR], nondestructive assay [NDA], flammable gas analysis [FGA]/head space gas [HSG]) without a completed Attachment 2, Container Inspection Report. Retrievably stored (Legacy) waste containers must be characterized at Nondestructive Examination (NDE) first, unless otherwise directed by the VPM/Designee.

2.3.4 The inspection criteria in Attachment 4, Structural Integrity and Distortion Inspections Criteria, are used as a guide to determine if the container can be safely handled in the characterization activities. Containers that DO **NOT** meet container integrity requirements and are **NOT** safe to handle, shall be returned to the Host site. Containers that are unsatisfactory for Structural Integrity and Distortion Inspection, but are safe to handle, may be processed through the characterization activities.

2.3.5 Steps 4.2.1 through 4.2.5 may be performed in any order to make the inspection more efficient. Sub-steps of steps 4.2.1 through 4.2.5 must be performed as written. Step 4.2 may be performed while the drum is sitting on the scale to allow the weight to stabilize as long as the bottom of the drum has been inspected for integrity prior to placing on the scale.

2.3.6 Retrievably stored waste containers provided to the characterization process are normally stored in unheated storage areas. The CCP VPM will determine if outside temperature dropped below the freezing temperature of water (32° F) during the 24 hours prior to delivery of the retrievably stored waste containers. Based on this information, the VPM will determine the need to heat the incoming containers and how long to heat the containers prior to NDE to ensure no frozen liquids exist in the waste container.

2.3.7 Not all characterization activities documented in Section 4.0 are conducted in each CCP characterization process. Container Management personnel will N/A characterization activities **NOT** performed at their site.

2.3.8 CCP will transfer sludge and soil/gravel containers selected for coring and solids samples analysis to outside programs, if necessary.

2.3.9 Attachment 1 may be a label or a paper copy on the container, in a protective sheet holder, as necessary.

2.3.10 Containers that are required to be reevaluated by another characterization process (e.g., NDA high-efficiency neutron counter [HENC] to tomographic gamma scanner [TGS]) based on an NCR generated by the first process, do not require a new container traveler be placed on the container. The second process will still be required to report container and status to the VPM per the applicable step.

2.4 Equipment List

2.4.1 Calibrated scale.

2.4.2 Scale check weight(s).

2.5 Precautions and Limitations

2.5.1 **IF** steps in this procedure CAN **NOT** be completed as written, **THEN** work must be STOPPED, equipment placed in a safe configuration, AND the CCP VPM/Designee notified.

2.5.2 Workers who will be working in a radiation area must have read and signed that they understand the applicable authorized documents (e.g., Advanced Mixed Waste Treatment Project [AMWTP] Approved Method of Work [AMOW], Radiation Work Permit [RWP], etc.) as implemented by the Host site.

2.5.3 When a retrievably stored waste container is selected for both Gas Generation Testing (GGT) and coring/solids analysis, the waste container will be sent through coring/solids analysis before going to GGT. GGT SHALL be performed on the waste container after it has completed the coring/solids analysis so that it can be tested in the final packaging configuration. GGT may be performed no earlier than 38 days following the completion of coring/solids analysis.

2.5.4 The VPM/Designee will ensure containers characterized on Non-Certified equipment or under non-certified conditions (e.g., a higher calibration limit requiring a Tier 1 approval) at a certified site are controlled by a VPM Hold Tag.

2.6 Prerequisite Actions

2.6.1 None.

2.7 Definitions

2.7.1 None.

3.0 RESPONSIBILITIES

3.1 Container Management Personnel

NOTE
Container Management personnel may be CCP and/or Host site personnel as determined by CCP and the Host facility.

3.1.1 Verifies containers, or parent containers, are on the acceptable knowledge (AK) Tracking Spreadsheet.

3.1.2 Verifies containers have a legible radiological label/tag with a radiation dose equivalent rate of less than 200 millirem/hour (mrem/hr).

3.1.3 Performs container integrity inspection using Attachment 4, as a guide and documents on Attachment 2.

3.1.4 Performs container filter inspection and documents results on Attachment 2.

3.1.5 Performs scale calibration check and container weighing.

3.1.6 Records container weight information on Attachment 3, CCP Scale Calibration Check and Container Weight Information.

3.1.7 Completes and provides Attachments 2 and 3 to the CCP VPM/Designee.

3.1.8 Enters the Gross Weight, Waste Stream ID, and the Container ID Number on Attachment 1.

3.1.9 Affixes an Attachment 1 to containers designated for CCP characterization activities.

3.1.10 Provides direction to move containers, as required.

3.1.11 Assists with the segregation of deficient containers.

3.1.12 Assists with the segregation of CERTIFIED containers ready to be shipped for final disposal.

3.2 CCP VPM/Designee

3.2.1 Schedules container movements with the Host site.

3.2.2 Provides the technical supervision for the following:

[A] Operation and calibration check of the container weighing scales.

[B] Container filter inspections.

[C] Container integrity inspections.

3.2.3 Ensures that containers requiring visual examination (VE) for Previously Packaged Waste, are annotated on Attachment 1.

3.2.4 Ensures that containers selected for GGT, if required, are annotated on Attachment 1.

3.2.5 Reviews Attachments 2 and 3.

3.3 CCP SPM

3.3.1 Selects containers for Waste Analysis Plan (WAP)-compliant HSG sampling (S5000 waste streams) and coring/solids sampling analysis (S3000 and S4000 waste streams).

3.3.2 Notifies the CCP VPM/Designee of selections for these activities.

3.4 NDE Operator

3.4.1 Records and updates the applicable NDE information on Attachment 1.

3.4.2 Provides the container processing information (Container ID Number, Batch Data Report [BDR] Number, NCR Number if applicable, and reason for NCR) to the CCP VPM/Designee.

3.5 Nondestructive Assay (NDA) Operator

3.5.1 Records and updates the applicable NDA information on Attachment 1.

3.5.2 Provides the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the CCP VPM/Designee.

3.6 HSG/Flammable Gas Analysis (FGA) Operator

3.6.1 Records and updates the applicable HSG/FGA information on Attachment 1.

3.6.2 Provides the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the CCP VPM/Designee.

3.7 Gas Generation Testing Program (GGTP) Operator

3.7.1 Records that GGT Sampling and Analysis is complete on Attachment 1.

3.7.2 Provides the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the CCP VPM/Designee.

3.8 VE Operator

3.8.1 Ensures a new Attachment 1 is on the container after VE is completed.

3.8.2 Records and updates the applicable VE information on Attachment 1.

3.8.3 Provides the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the CCP VPM/Designee.

3.9 Host Facility Waste Handling Personnel

3.9.1 Performs movement of containers to/from the characterization units and container staging/storage areas.

3.10 Facility Records Custodian

3.10.1 Receives, processes, and transmits all records generated by this procedure in accordance with CCP-QP-008, *CCP Records Management*.

4.0 PROCEDURE

NOTE
Before implementing this procedure, see Procedure Implementation Requirements in Section 2.3.

4.1 Scale Calibration Check

4.1.1 On each day the scale is used, perform the following:

[A] **IF** the scale is an electronic scale,
THEN either verify the scale is turned ON, **OR** turn the power ON to the scale.

[B] Verify the following, **AND** record on Attachment 3:

[B.1] Scale ID #

[B.2] Location

[B.3] Scale Calibration Due Date

[B.4] Scale Calibration Date Valid (YES/NO)

[C] Check that the scale reads zero when **NOT** loaded.

[C.1] **IF** the scale DOES **NOT** read zero,
THEN re-zero the scale in accordance with the manufacturer's instructions.

[C.2] Perform a calibration check to verify the scale response is satisfactory as follows:

(a) Place a known Check Weight on the scale, **AND** verify the scale reads within the accuracy of the calibration (as listed on the calibration sticker or data sheet, as applicable).

[C.3] **IF** the scale calibration check is satisfactory,
THEN record SAT on Attachment 3, Scale Cal Check column.

[C.4] **IF** the scale reads outside of the calibration range, **THEN** SUSPEND WORK, record UNSAT on Attachment 3, Scale Cal Check column, **AND** notify the CCP VPM/Designee.

[C.5] Return the Check Weight to its storage location.

[D] Initial and date Attachment 3, Part 1, Scale Calibration Check Information.

4.2 Retrievably Stored Waste Container Acceptance

Container Management Personnel

4.2.1 Verify Container ID is on the AK Tracking Spreadsheet.

[A] **IF** Container ID is **NOT** on the AK Tracking Spreadsheet, **THEN** DO **NOT** accept the container, contact the VPM/Designee, **AND** return the container to the Host site.

4.2.2 Record Container ID on Attachment 2.

4.2.3 Determine that the container is safe to handle by performing a container integrity inspection, using Attachment 4 as a guide.

[A] **IF** NO can be applied to all of the questions on Attachment 4,
THEN circle SAT on Attachment 2, circle YES on Attachment 2, **AND** proceed with the inspection.

[B] **IF** YES can be applied to any question on Attachment 4,
THEN notify the VPM/Designee.

VPM/Designee

[B.1] Inspect the suspect container in coordination with appropriate Host site personnel.

Container Management Personnel

[B.2] **IF** the VPM/Designee determines that the container can be safely handled in the characterization activities,
THEN circle SAT on Attachment 2, circle YES on Attachment 2, document the VPM/Designee

determination in the Comments section, **AND** proceed with the inspection.

[B.3] **IF** the VPM/Designee determines that the container CAN **NOT** be safely handled,
THEN circle UNSAT on Attachment 2, and circle NO on Attachment 2, **AND** return the container to the Host site.

4.2.4 Perform container filter inspection, **AND** document on Attachment 2:

[A] Check container filter vent(s) are legibly marked with:

[A.1] Manufacturer **AND** date of manufacture, lot number, or serial number,
AND record all data available in Attachment 2, Column 5.

[A.2] Confirm the filter is on the CBFO Approved Filter Vents list.

[B] Check filter for proper gasket seating, tightness, **AND** height above container as follows:

[B.1] Filter gasket is slightly compressed, when visible.

[B.2] Filter is snug against container.

[B.3] Filter is **NOT** extended excessively above the top rim of container.

[C] **IF** the filter vent(s) meets the criteria listed in steps 4.2.4[A] through 4.2.4[B.3],
THEN circle YES on Attachment 2, **AND** proceed with the inspection.

[D] **IF** the filter vent(s) DOES **NOT** meet the criteria listed in steps 4.2.4[A] through 4.2.4[B.3],
THEN DO **NOT** accept the container, contact the VPM for further direction.

4.2.5 Inspect each container for a completed radiological label/tag, **AND** ensure the completed radiological label/tag is legible and records a radiation dose equivalent of less than 200 mrem/hr.

[A] **IF** radiological label/tag or survey reports less than 200 mrem/hr is legible and complete,
THEN circle SAT on Attachment 2, **AND** proceed with the inspection.

[B] **IF** NO radiological label/tag is attached to the container,
THEN SUSPEND WORK on the container, and perform the following:

[B.1] Notify the VPM/Designee

[B.2] Request a radiation survey be performed

[B.3] Verify that a new radiological label/tag is attached

[B.4] Repeat step 4.2.5[A].

[C] **IF** radiological label/tag or survey reports greater than or equal to 200 mrem/hr,
THEN SUSPEND WORK on the container, notify the VPM/Designee, return the container to the Host site, **AND** circle UNSAT on Attachment 2.

4.2.6 Repeat steps 4.2.1 through 4.2.5[C] as required for additional containers.

NOTE
This information must be available before characterization of the container through NDA.

Container Management Personnel

4.3 Container Weighing

4.3.1 Load the container onto the scale, **AND** allow the scale reading to stabilize.

4.3.2 Record the Container ID Number on Attachment 3.

4.3.3 Record the container's Gross Weight (kilogram [kg]) on Attachment 3.

4.3.4 Initial and date Attachment 3 for obtaining the gross weight.

4.3.5 Remove the container from the scale.

4.3.6 Repeat steps 4.3.1 through 4.3.5 as required for additional containers.

4.4 Container Traveler Initiation

4.4.1 **IF** the container is Legacy waste,
THEN perform the following:

[A] Enter the Container ID Number on Attachment 1, **AND** initial and date.

[B] Enter Waste Stream ID on Attachment 1, **AND** initial and date Attachment 1.

[C] Record the container's Gross Weight (kg) on Attachment 1 from Attachment 3, **AND** initial and date.

[D] Affix Attachment 1 label or place a paper copy on the container, in a protective sheet holder, as necessary.

[E] Repeat steps 4.4.1[A] through 4.4.1[D] as required for additional containers.

[F] Print name, sign, and date the following completed forms:

[F.1] Attachment 2

[F.2] Attachment 3

[G] Submit Attachments 2 and 3 to the CCP VPM/Designee for review.

4.4.2 **IF** the container is Characterized by VE,
THEN perform the following:

VE Operator

[A] Make a copy of the VE Data Sheet ensuring the weight and percent fill data is available.

[B] Verify that a legible, completed radiological label/tag is attached to the waste container, **AND** that it records a radiation dose equivalent of ≤200 mrem/hr.

[B.1] **IF** no radiological label/tag is attached to the container,
THEN request that the RCT perform the required survey, **AND** attach a completed radiological label/tag.

[B.2] **IF** the radiological label/tag or survey reports a radiation dose equivalent of >200 mrem/hr,
THEN initiate an NCR on the container, notify the site project manager (SPM), **AND** return the container to the Host site.

[C] Enter the Container ID, Gross Weight (kg), Waste Stream ID, **AND** initial and date Attachment 1.

[D] Enter N/A in all NDE section data and associated Initial/Date blanks on Attachment 1.

[E] Mark the appropriate VE process to be performed (Newly Generated Waste or VE for Previously Packaged Waste) on Attachment 1.

[F] Document the VE Completion Date on Attachment 1, **AND** initial and date.

[G] Place a copy of the VE Data Sheet in a protective sheet holder and attach to the container.

[H] Provide the container processing information (Container ID Number, BDR Number, NCR Number if applicable, and reason for NCR) to the CCP VPM/Designee.

CCP VPM/Designee

4.4.3 Review, print name, sign, and date all Attachment 2s and all Attachment 3s, **AND** submit to the Facility Records Custodian.

Facility Records Custodian

4.4.4 Receive, process, and transmit Attachment 2s and Attachment 3s in accordance with CCP-QP-008.

4.5 NDE Process

NOTE
This section DOES **NOT** apply to Newly Generated Waste that has been processed through VE or retrievably stored waste containers that are processed in VE and returned to complete the characterization process.

NDE Operator

4.5.1 Verify an Attachment 1 is on the container or a paper copy is placed on the container, in a protective holder, as necessary.

[A] **IF** NO Attachment 1 is on the container,
THEN SUSPEND WORK on container, **AND** notify the CCP VPM/Designee.

[B] **IF** an Attachment 1 is on the container,
THEN perform the following:

[B.1] NDE in accordance with approved procedures.

4.5.2 Document the NDE completion date on Attachment 1, **AND** Initial and Date.

4.5.3 **IF** the container is rejected,
THEN ensure a CCP HOLD TAG is attached to the container.

4.5.4 Provide the container processing information (Container ID Number, BDR Number, NCR Number if applicable, reason for NCR) to the CCP VPM/Designee.

4.5.5 Place a copy of the Radiography Data Sheet in a protective sheet holder attached to the waste container.

4.6 NDA Process

NDA Operator

4.6.1 Verify an Attachment 1 is on the container or a paper copy is placed on the container, in a protective holder, as necessary, **AND** a copy of the Newly Generated VE or Radiography Data Sheet is available.

[A] **IF** NO Attachment 1 is on the container,
THEN SUSPEND WORK on container, **AND** notify the CCP VPM/Designee.

[B] **IF** an Attachment 1 is on the container,
THEN perform NDA in accordance with approved procedures.

4.6.2 Document the NDA completion date on Attachment 1, **AND** Initial and Date.

4.6.3 Document the Preliminary Plutonium (Pu)-239 FGE value (plus 2-sigma) on Attachment 1, **AND** Initial and Date on Attachment 1.

[A] **IF** the preliminary Pu-239 fissile gram equivalent (FGE) value (plus 2-sigma) is **NOT** immediately available,
THEN record N/A on Attachment 1, **AND** Initial and Date on Attachment 1.

4.6.4 **IF** the container is rejected,
THEN ensure a CCP HOLD TAG is attached to the container.

4.6.5 Provide the container processing information (Container ID Number, BDR Number, NCR Number, reason for NCR) to the CCP VPM/Designee.

HSG/FGA Personnel

NOTE
Procedure instructions for waste containers requiring WAP-compliant SUMMA® sampling begin with step 4.7.1. Procedure instructions for waste containers requiring FGA sampling begin with step 4.7.2.

4.7 Headspace Gas (HSG)/ Flammable Gas Analysis (FGA) Process

4.7.1 **IF** a waste container is identified for a WAP-compliant HSG SUMMA® sample,
THEN perform the following:

[A] Verify an Attachment 1 is on the container or a paper copy is placed on the container, in a protective holder, as necessary.

[A.1] **IF** NO Attachment 1 is on the container
THEN SUSPEND WORK on the waste container
AND notify the CCP VPM/Designee.

[B] Move the waste container to the thermal conditioning area.

[C] Record the date and time the waste container is placed in the Thermal Conditioning Area on Attachment 1, **AND** initial the entry.

[D] **AFTER** the waste container has been in the Thermal Conditioning Area for a minimum of 72 hours, **AND** the CCP VPM/Designee schedules the waste container for SUMMA® sampling,
THEN move the container to the HSG SUMMA® sampling area.

[E] GO TO step 4.7.3.

4.7.2 **IF** a waste container is identified for FGA sampling and analysis, **THEN** perform the following:

[A] Verify an Attachment 1 is on the container or a paper copy is placed on the container, in a protective holder, as necessary.

[A.1] **IF** NO Attachment 1 is on the container
THEN SUSPEND WORK on the waste container,
AND notify the CCP VPM/Designee.

[B] **WHEN** FGA is ready to sample the waste container,
THEN move the waste container to the FGA sampling area.

[C] GO TO step 4.7.3.

4.7.3 Perform HSG **AND/OR** FGA Sampling in accordance with approved procedures.

4.7.4 Document the HSG/FGA Sampling completion date on Attachment 1, **AND** Initial and Date.

4.7.5 **IF** the container is rejected,
THEN ensure a CCP HOLD TAG is attached to the container.

4.7.6 Provide the container processing information (Container ID Number, BDR Number, NCR Number, reason for NCR) to the CCP VPM/Designee.

4.8 Gas Generation Testing (GGT)

NOTE
Waste containers are selected for GGT based on waste stream, implementation of the Long-Term Objective for the Unified Flammable Gas Test procedure, or other factors. The VPM/Designee will designate waste containers for GGT as directed by the SPM.

4.8.1 Move the waste containers identified for GGT Sampling and Analysis to the Designated Staging Area.

[A] Verify an Attachment 1 is on the container or a paper copy is placed on the container, in a protective holder, as necessary.

[A.1] **IF** NO Attachment 1 is on the container,
THEN SUSPEND WORK on container, **AND** notify the CCP VPM/Designee.

4.8.2 **IF** the waste container has been identified for processing in GGT,
THEN circle YES, **AND** Initial and Date on Attachment 1.

4.8.3 **IF** the waste container DOES **NOT** require GGT,
THEN circle NO, record N/A in the GGT Completion Date, Initial and Date on Attachment 1, **AND** have the waste container moved to its designated staging area.

4.8.4 Perform GGT in accordance with approved procedures.

4.8.5 Document the GGT completion date on Attachment 1, **AND** Initial and Date.

4.8.6 **IF** the container is rejected,
THEN ensure a CCP HOLD TAG is attached to the container.

4.8.7 Provide the container processing information (Container ID Number, BDR Number, NCR Number, reason for NCR) to the CCP VPM/Designee.

4.9 Characterization Completion

Container Management Personnel

4.9.1 **IF** Attachment 1 is a label on the container,
THEN remove all copies of characterization data sheets, **AND** forward to the VPM/Designee for disposition.

4.9.2 **IF** Attachment 1 is a paper copy,
THEN remove the Attachment 1 and all copies of characterization data sheets, **AND** forward to the VPM/Designee for disposition.

VPM/Designee

4.9.3 Forward paper copy of Attachment 1 to the Facility Records Custodian.

Facility Records Custodian

4.9.4 Receive, process, and transmit the paper copy of Attachment 1 in accordance with CCP-QP-008.

5.0 RECORDS

5.1 Records generated during the performance of this procedure are maintained as quality assurance (QA) records in accordance with CCP-QP-008. The records are the following:

5.1.1 QA/Nonpermanent

[A] Attachment 1 – CCP Container Traveler (Label), paper copy only

[B] Attachment 2 – Container Inspection Report

[C] Attachment 3 – CCP Scale Calibration Check and Container Weight Information

Attachment 1 – CCP Container Traveler (Label)

Container Management Personnel:

Container ID:_____ _____ / _____
Date Initials

Waste Stream ID:_____ _____ / _____
Date Initials

Gross Weight:_____kg. _____ / _____
Date Initials

NDE

NDE: _____ _____ / _____
(Completion Date) Date Initials

NDA

NDA:_____ _____ / _____
(Completion Date) Date Initials

Preliminary Pu-239 FGE: _____ _____ / _____
Value (Plus 2-sigma) Date Initials

HSG

Container Placed in HSG Thermal Conditioning Area: _____/_____/_____
Date Time Initials

HSG:_____ _____ / _____
(Completion Date) Date Initials

FGA

FGA:_____ _____ / _____
(Completion Date) Date Initials

GGT

Selected for GGT (circle one)? YES NO _____ / _____
Date Initials

GGT:_____ _____ / _____
(Completion Date) Date Initials

VE

☐ Newly Generated Waste ☐ VE for Previously Packaged Waste

VE:_____ _____ / _____
(Completion Date) Date Initials

Attachment 2 – Container Inspection Report

Safe to Handle YES/NO		Container ID Number	Structural Integrity and Distortion Inspection (Circle)		Filters meet requirements YES/NO		Filter Information (Manufacturer, date of manufacture, lot number, unique serial number as applicable)	Rad Survey Label (Circle)	
YES	NO		SAT	UNSAT	YES	NO		SAT	UNSAT
YES	NO		SAT	UNSAT	YES	NO		SAT	UNSAT
YES	NO		SAT	UNSAT	YES	NO		SAT	UNSAT
YES	NO		SAT	UNSAT	YES	NO		SAT	UNSAT
YES	NO		SAT	UNSAT	YES	NO		SAT	UNSAT
YES	NO		SAT	UNSAT	YES	NO		SAT	UNSAT
YES	NO		SAT	UNSAT	YES	NO		SAT	UNSAT
YES	NO		SAT	UNSAT	YES	NO		SAT	UNSAT
YES	NO		SAT	UNSAT	YES	NO		SAT	UNSAT
YES	NO		SAT	UNSAT	YES	NO		SAT	UNSAT

Comments:

Completed by: ______________________ ______________________ __________
Print Name Signature Date

CCP VPM/Designee Verification: ______________________ ______________________ __________
Print Name Signature Date

Attachment 3 – CCP Scale Calibration Check and Container Weight Information

PART I
Scale Calibration Check Information

Scale ID #	Location	Scale Calibration Due Date	Scale Calibration Date Valid (Yes / No)	Scale Cal Check (Sat / Unsat)	Initials	Date

PART II
Container Weight Information

Container ID #	Gross Weight (kg)	Initial	Date

Container Management Personnel: _____ (Print Name) _____ (Signature) _____ (Date)

CCP VPM/Designee Verification: _____ (Print Name) _____ (Signature) _____ (Date)

Attachment 4 – Structural Integrity and Distortion Inspections Criteria

CONTAINER EXAMINATION		DISCUSSION OF CRITERIA
1.	Is the payload container obviously degraded?	Obviously degraded means clearly visible and potentially significant defects in the payload container or payload container surface.
2.	Is there evidence that the payload container is, or has been, pressurized?	Pressurization can be indicated by a fairly uniform expansion of the sidewalls, bottom or top. Past pressurization can be indicated by a notable outward deflection of the bottom or top. Verify that the waste container is not warped.
3.	Is there any potentially significant rust or corrosion such that wall thinning, pin holes, or breaches are likely or the load-bearing capacity is suspect?	Rust shall be assessed in terms of its type, extent, and location. Pitting, pocking, flaking, or dark coloration characterizes potentially significant rust or corrosion. This includes the extent of the payload container surface area covered, thickness, and, if it occurs in large flakes or built-up (caked) areas. Rusted payload containers may **NOT** be accepted if: • Rust is present in caked layers or deposits. • Rust is present in the form of deep metal flaking, or built-up areas of corrosion products. In addition, the location of rust should be noted; for example on a waste container: top lid; filter region; locking chine; top one-third, above the second rolling hoop; middle one-third, between the first and second rolling hoops; bottom one-third, below the second rolling hoop; and on the bottom. Payload containers may still be considered acceptable if the signs of rust show up as: • Some discoloration on the payload container • If rubbed would produce fine grit or dust or minor flaking (such that wall thinning does not occur)
4.	Are any of the following apparent? • wall thinning • pin holes • breaches	Wall thinning, pin holes, and breaches can be a result of rust/corrosion (see discussion for #3).
5.	Are there any split seams, tears, obvious holes, punctures (of any size), creases, broken welds, or cracks?	Payload containers with obvious leaks, holes or openings, cracks, deep crevices, creases, tears, broken welds, sharp edges or pits, are either breached or on the verge of being breached. Verify that there is no warpage that could cause the container to be unstable or prevent it from fitting properly in the applicable package.
6.	Is the load-bearing capacity suspect?	The load-bearing capacity could be reduced for excessive rust (see discussion for #3), wall thinning (see discussion for #4), breaches, cracks, creases, broken welds, etc. (see discussion for #5).

Attachment 4 – Structural Integrity and Distortion Inspections Criteria (Continued)

CONTAINER EXAMINATION		DISCUSSION OF CRITERIA
7.	Is the payload container improperly closed?	Inspect the fastener and fastener ring (chine), if applicable, for damage or excessive corrosion. Check the alignment of the fastener to ensure that it is in firm contact around the entire lid and the payload container will not open during transportation.
8.	Are there any dents, scrapes, or scratches that make the payload container's structural integrity questionable or prevent the top and bottom surfaces from being parallel?	Deep gouges, scratches, or abrasions over wide areas are not acceptable. If top and bottom surfaces are not parallel, this would indicate that the container is warped. Dents should be less than ¼ inch deep by 3 inches long and between ½ inch to 6 inches wide. All other dents must be examined to determine impact of structural integrity.
9.	Is there discoloration which would indicate leakage or other evidence of leakage of material from the payload container?	Examine the payload container regions near vents, top lid fittings, bottom fittings, welds, seams and intersections of one or more metal sheets or plates. Payload containers must be rejected if evidence of leakage is present.
10.	Is the payload container bulged?	For the purposes of this examination, bulging is indicated by: • A fairly uniform expansion of the sidewalls, bottom, or top (e.g., in the case of a waste container, either the top or bottom surface protrudes beyond the planar surface of the top or bottom ring); • A protrusion of the side wall (e.g., in the case of a waste container, beyond a line connecting the peaks of the surrounding rolling hoops or a line between a surrounding rolling hoop and the bottom or top ring); or • Expansion of the sidewall (e.g., in the case of a waste container, such that it deforms any portion of a rolling hoop).