Working Copy

WP 05-WH1036

Revision 9

Site-Derived Mixed Waste Handling

Technical Procedure

EFFECTIVE DATE: 12/29/10

Mark Dziamski
APPROVED FOR USE

TABLE OF CONTENTS

CHANGE HISTORY SUMMARY

REVISION NUMBER	DATE ISSUED	DESCRIPTION OF CHANGES
9	12/29/10	Made permit-related changes to the Introduction (deleted reference), Referenced Documents (deleted two references), and Precautions and Limitations last bullet on page 9 (changed reference).

INTRODUCTION

This procedure provides instructions for managing site-derived transuranic (TRU) waste (liquid and/or solid) at the Waste Isolation Pilot Plant (WIPP). Entry into this procedure is based upon a previous determination that resulting waste has been classified as site-derived waste. Previous waste determinations include process knowledge, and/or spill response activities (i.e., WP 12-ER4902 and WP 12-ER4903). Site-derived waste may include, but is not limited to, the following materials contaminated with TRU Waste characterized for disposal at WIPP in accordance with the Waste Analysis Plan (WAP).
:

- Decontaminating liquids
- Water
- Salt
- High-Efficiency particulate Air (HEPA) filters
- Swipes
- Protective Clothing (PC) and Personal Protective Equipment (PPE)
- Soil
- Wastes from spill response, sampling and decontamination activities
- Rages, Wipes

Performance of this procedure generates the following record(s), as applicable. Any records generated are handled in accordance with departmental Records Inventory and Disposition Schedules.

- Attachment 1, Waste Container Log Sheet
- Attachment 2, Site-Derived Waste Criteria Compliance Tag
- Attachment 3, WWIS/WDS Input Data Sheet, site-Derived Waste

REFERENCES

BASELINE DOCUMENTS

- Title 40 *Code of Federal Regulations* (CFR) Part 761, Subpart C, "Marking of PCBs and PCB Items"
- 40 CFR Part 761, Subpart D, "Storage and Disposal"
- 40 CFR Part 761, Subpart G, "PCB Spill Cleanup Policy"
- Hazardous Waste Facility Permit, Identification No. NM4890139088-TSDF,
- DOE/WIPP-07-3372, *Waste Isolation Pilot Plant Documented Safety Analysis*
- DOE/WIPP-07-3373, *Waste Isolation Pilot Plant Technical Safety Requirements*

- WP 12-HP3600, Radiological Work Permits
- WP 13-1, Washington TRU Solutions LLC Quality Assurance Program Description

REFERENCED DOCUMENTS

- DOE/WIPP-02-3122, Contact-Handled Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant
- WP 05-WH1011, CH Waste Processing
- WP 05-WH1025, CH Waste Downloading and Emplacement
- WP 05-WH1101, Surface Transuranic Mixed Waste Handling Area Inspections
- WP 05-WH1744, Surface RH Transuranic Mixed Waste Handling Area Inspections
- WP 05-WH4401, Waste Handling Operator Event Response
- WP 12-ER4902, Hazardous Material Spill and Release Response
- WP 12-ER4903, Radiological Event Response
- WP 12-HP1100, Radiological Surveys
- WP 12-HP4000, Emergency Radiological Control Response

EQUIPMENT

- For Waste Collection:
  - Containers that meet U.S. Department of Transportation (DOT) Type 7A, or equivalent, packaging requirements may be used for TRU waste generator site-derived waste collection. Container types that are available for collection of derived waste are:[3]
    - 55-gallon drums (only 55-gallon drums shall be used in the RH process)
    - 85-gallon overpacks
    - Standard Waste Boxes (SWBs)
    - Drum and SWB filters that meet the applicable acceptance criteria and specifications of DOE/WIPP-02-3122

- Poly liners/bags
- Tape
- Bench scale (as needed)
- Floor scale (as needed)
- Permanent marker

- For Solidification:
  - Personal Protective Equipment (PPE)
  - Measure of acidity and alkalinity (pH) meter with pH seven buffer or litmus paper
  - Trisodium phosphate and monosodium phosphate (for pH control)
  - 150 to 200 lb AQUASET/drum
  - Stirrer paddle

PRECAUTIONS AND LIMITATIONS

- Maximum volume of derived waste that can be stored in the contact-handled (CH) Site-Derived Waste Storage Area at one time may not exceed 66.3 cubic feet (ft^3) (i.e., capacity of one SWB).[3]
- Maximum volume of derived waste that can be stored in the remote-handled (RH) Hot Cell or RH Bay Derived Waste Storage Area may not exceed 7.4 ft^3 at one time (one 55-gallon drum).[3]
- Liquids shall be collected and solidified in 55-gallon drums.
- The generation of a site-derived waste container from a spill or breach of a payload from a CH or RH package will be from a single payload from a single CH or RH package.
- Storage of site-derived waste containing polychlorinated biphenyls (PCBs) in the Waste Handling Building (WHB) shall not exceed 60 days. The 60-day time period begins as soon as waste is placed into the collection container.[3]
- If stored, site-derived waste containers shall be stored on standard drum pallets that are polyethylene trays with a grated deck that will elevate site-derived waste containers at least six inches (15 centimeters [cm]) from the

floor surface, and provide approximately 50 gallons (190 liters [L]) of secondary containment capacity.[3]

- Only personnel qualified as Waste Handling Technician/Engineer/ Radiological Control Technician (WHT/WHE/RCT), or trainees operating under direct supervision of qualified WHT/WHE/RCT, are authorized to perform waste handling activities specified in this procedure.

- Abnormal events that require cessation of this procedure are to be performed in accordance with WP 05-WH4401 and WP 12-HP4000 concurrently.

- Derived waste from the RH Bay or RH Hot Cell may be downloaded and emplaced as CH waste in accordance with WP 05-WH1011 and WP 05-WH1025.

- Containers storing site-derived waste must be kept closed except when adding, removing, or sampling waste.

- All weight measurements must be recorded in kilograms (kg).

- Radiological Work Permits (RWPs) and other administrative controls provide protective measures to help ensure new hazardous constituents, will not be added during decontamination activities. Site Environmental Compliance (SEC) must be consulted to ensure hazardous waste codes are appropriately applied to the derived waste.

- Radiological control personnel and the WHE shall be contacted prior to opening a site-derived waste collection container for adding, removing, or sampling waste.

- Each drum must have at least one filter installed. Each SWB must have at least two filters installed, and vacant ports must be plugged.[3]

- Shielding **MUST NOT** be used to meet the 200 millirem per hour (mR/h) limit.

- The following radiological values **MUST NOT** be exceeded:[1]

  - Contact dose rate of 200 mR/h at any point on site-derived waste containers

  - 20 disintegrations per minute (dpm)/100 cm^2 alpha loose surface contamination on exterior of waste container

  - 200 dpm/100 cm^2 beta-gamma loose surface contamination on exterior of waste container

  - 80 PE-Ci/drum untreated Pu-239 equivalent

- 130 PE-Ci/SWB untreated Pu-239 equivalent
- 1,100 PE-Ci/drum untreated Pu-239 equivalent overpacked in a SWB
- 1,800 PE-Ci/drum solidified/vitrified Pu-239 equivalent
- 200 grams (g)/drum Pu-239 fissile gram equivalent (FGE) for drums containing up to 1.0 weight percent of beryllium
- 100 g/drum Pu-239 FGE for drums containing beryllium greater than 1.0 weight percent, and up to a maximum of 100 kg of beryllium
- 325 g/SWB Pu-239 FGE

- A weight of 1,000 lb (454 kg) per 55/85-gallon drum MUST NOT be exceeded.
- A gross weight of 4,000 lb (1,814 kg) per SWB MUST NOT be exceeded.
- Fire extinguisher charging cartridges will be removed, OR verified fully discharged and clearly punctured, prior to inclusion in site-derived mixed waste.
- Charged fire extinguishers will be verified fully discharged and opened prior to discarding.
- If the site-derived waste is contaminated with PCBs, the site-derived waste container shall be labeled as containing PCBs as soon as waste is placed into the collection container.
- The following items are prohibited in site-derived waste containers destined for emplacement underground: [3]
  - Compressed gasses
  - Corrosives
  - Explosives
  - Pyrophorics
  - Pressurized containers
  - Free liquids
  - Noncompatible materials

- Hazardous waste having U. S. Environmental Protection Agency (EPA) Identification (ID) Numbers other than those listed in Part A of the HWFP

- If the cumulative Pu-239 FGE of the combined breached containers exceeds 200 grams, Nuclear Safety must be contacted.
- Liquid transfer shall not exceed 40 gallons per 55-gallon drum.
- Under no circumstances should containers be left open while personnel are not present.
- Efforts shall be taken to reduce the amount and toxicity (e.g., efforts to minimize the introduction of additional hazardous substances) of site-derived waste that is generated.
- Step 6.1 may be performed at any time during the performance of this procedure.
- Inspection, containerization, and collection/solidification in the RH Hot Cell shall be performed using the applicable equipment operating procedures.
- All N/As on Attachments 1, 2, and 3 must be initialed by the person performing the step

PREREQUISITE ACTIONS

1.0 WHE, obtain RWP prior to handling (pumping, pouring, transferring, etc.) radiologically contaminated waste.

2.0 WHE, verify adequate waste handling operations staff is available to support planned activities.

3.0 WHE, verify plant is configured for waste handling mode by contacting the Central Monitoring Room Operator (CMRO) prior to performing Sections 2.0, 3.0, 4.0, 8.0.

4.0 WHE, ensure the Site-Derived Waste Storage Area inspections have been completed per WP 05-WH1101, or WP 05-WH1744, as needed.

PERFORMANCE

NOTE

Sections of this procedure do not have to be performed in the order written if deemed necessary by WHE. Attachments are required to be completed as the applicable step is completed.

1.0 WASTE CONTAINER PREPARATION

NOTE

Adequate aisle space for passage of emergency equipment, emergency response actions, and/or container inspections must be maintained when placing containers in area (44 inches minimum).

1.1 Prepare waste containers as follows:

1.1.1 Stage approved waste containers on spill tray, or equivalent, in designated area.

1.1.2 Line waste container with poly bag extending beyond top of container and record liner type (poly bag **AND/OR** rigid liner) on Attachment 3.

1.1.3 Fold bag back over top of receptacle and down outside.

1.1.4 Record shipment number on Attachments 1, 2, and 3.

1.1.5 Record original container number (as received) on Attachments 1, 2, and 3.

1.1.6 WHE, assign WIPP Waste Information System (WWIS)/Waste Data System (WDS) waste container ID number by appending "WI" (the two-digit ID code for WIPP) to the original container number, and record on Attachments 1, 2, and 3.

1.1.7 Record Waste Stream Profile (WSPF) number on Attachments 1, 2, and 3.

1.1.8 Vent site-derived waste container using appropriate filters.

1.1.9 Record Torque Wrench serial number and calibration due date on Attachment 1.

1.1.10 Torque filter to 10 ft-lb (± 5 ft-lb).

1.1.11 Record filter model number(s) on Attachment 3.

1.1.12 Record filter(s) installation date on Attachment 3.

1.1.13 Weigh container(s) and mark tare weight on container(s).

1.1.14 RCT, obtain and record radiological survey number on Attachment 2.

2.0 SITE-DERIVED WASTE ITEM INSPECTION AND CONTAINERIZATION

WARNING

To prevent unnecessary exposure to radioactive, and/or hazardous materials, a sealed bag or container **MUST NOT** be opened for inspection unless there is reason to believe it contains prohibited items, or contents cannot be otherwise identified.

2.1 If required to reduce the amount of material handling, relocate site-derived waste container to the work site.

NOTE

The lid to the site-derived waste container may be installed and removed, as necessary, for adding, removing, or sampling waste.

2.2 Inspect all items delivered to waste container, and ensure absence of prohibited items.

2.3 **IF** prohibited items are identified upon inspection,
THEN notify WHE.

NOTE

Source and identity of contaminated material are needed to provide record of source (and disposition) of TRU waste generator site-derived materials.

Identity will include original waste container, TRUPACT-II, RH Cask, or shipment numbers, if applicable. This information is available from process knowledge, WWIS/WDS printouts, Hazardous Waste Manifests, sample analysis results, waste certification documents, and shipping packages.

2.4 Record the following on the applicable attachment:

- Origin (source) of waste, Attachment 1
- Description of CONTENTS of the bagged material from the list of material parameters, Attachment 1

- The estimated weight of each type of waste material parameter (the sum of the figures should equal the gross bag weight [e.g., 5 kg of cellulosics, 2 kg of rubber, 3 kg of plastics equal 10 kg gross bag weight]), Attachment 3

- Hazardous Waste Numbers, if applicable, Attachment 1

- Indicate on Attachments 1, 2, and 3 if waste contains PCBs by circling appropriate results and record date.

2.5 Weigh bagged material and record weight on Attachment 1.

2.6 RCT, ensure appropriate radiological labeling is affixed to exterior of waste container.

2.7 Place PCB warning label on container as directed by WHE, if applicable.

2.8 Place waste bag into solid waste container.

2.9 **WHEN** waste container is to be sealed,
THEN WHE, ensure the following:

- Container contains as little free flowing liquid as reasonably possible.

- Internal containers shall contain less than 1 inch of liquid in the bottom of the container.

- Total residual liquid in any payload container does not exceed 1 percent by volume.

2.10 Fold-and-tape or twist-and-tape (J-seal) inner plastic bag.

2.11 WHE, estimate volume of waste material (fill factor) in drum and record on Attachment 3 (e.g., 20%, 30%, 95%).

2.12 Secure lid on waste container and record date sealed on Attachments 1, 2, and 3.

SIGN-OFF WHE, Attachment 2

2.13 RCT, perform contamination and dose rate surveys of waste container exterior and record results on Attachment 2.

SIGN-OFF RCT, Attachment 2

2.14 Record the following on Attachment 3:

- Waste Type Code
- Handling Code
- Container Type Code
- Liner Type (poly bag **AND/OR** rigid liner)

2.15 Weigh sealed waste container.

2.16 Record gross weight of waste container on Attachment 3.

2.17 Subtract tare weight marked on waste container from gross weight of waste container and record as waste weight on Attachment 3.

2.18 If waste container was moved to the work site, move the container to the Site-Derived Waste Storage Area.

2.19 **IF** waste container contains no liquid wastes,
THEN N/A the following on Attachment 1:

- Initial pH Level
- pH level after neutralization
- Date liquid waste solidified

2.20 **GO TO** Section 5.0 for container identification requirements.

3.0 LIQUID WASTE COLLECTION

3.1 **GO TO** Section 1.0 for waste container preparation, and
RETURN TO Step 3.2.

3.2 If required to reduce the amount of material handling, relocate site-derived waste container to the work site.

NOTE

The lid to the site-derived waste container may be installed and removed, as necessary, for adding, removing, or sampling waste.

3.3 Collect contaminated liquids and manage waste containers as follows:

3.3.1 If using absorbent pads for small volume of liquid, perform the following:

[A] Collect liquid with absorbent pads.

[B] Transfer pads to solid waste poly bag.

[C] Close bag by fold-and-seal or twist-and tape (J-seal) method.

3.4 If using wet vacuum with HEPA filter, perform the following:

3.4.1 Collect liquid with vacuum equipped with cord that is ground fault circuit interrupter (GFCI)-protected.

3.4.2 Transfer liquid to liquid waste containers.

3.4.3 Wipe surfaces with absorbent pads.

3.4.4 Place used pads in solid waste poly bag.

3.4.5 Close bag by fold-and-seal or twist-and-tape (J-seal) method.

3.5 If using flat shovel or scoop for dipping, perform the following:

3.5.1 Dip and transfer liquid to liquid waste containers.

3.5.2 Wipe surfaces with absorbent pads.

3.5.3 Place used pads in solid waste poly bag.

3.5.4 Close bag by fold-and-seal or twist-and-tape (J-seal) method.

3.6 If using absorbent pellets, perform the following:

3.6.1 Spread absorbent pellets over liquid to absorb all liquid present.

3.6.2 Allow 30 minutes for liquid to be absorbed.

3.6.3 If necessary, reapply additional absorbent pellets over liquid.

3.6.4 Shovel (or scoop) material and transfer to solid waste poly bag using flat shovel or scoop.

3.6.5 Wipe surfaces with absorbent pads.

3.6.6 Place used pads in solid waste poly bag.

3.6.7 Close bag by fold-and-seal or twist-and-tape (J-seal) method.

3.7 If using pump for large volume of liquid, perform the following:

3.7.1 Record the following on Attachment 1:

- N/A Gross Weight of Bagged Material

- Origin (source of waste)
- Description of liquid waste in contents section
- Hazardous Waste Codes, if applicable

3.7.2 Indicate on Attachments 1, 2, and 3 if waste contains PCBs by circling appropriate results and record date.

3.7.3 Transfer liquid to liquid waste containers, ensuring that liquid transfer does not exceed 40 gallons per 55-gallon drum.

3.7.4 Wipe surface with absorbent pads.

3.7.5 Place used pads in solid waste poly bag.

3.7.6 Close bag by fold-and-seal or twist-and-tape (J-seal) method.

3.8 **GO TO** Section 2.0 for site-derived waste item inspection and containerization, and
RETURN TO Section 4.0, as applicable.

4.0 SOLIDIFICATION OF LIQUID WASTE

4.1 Ensure drum contents DO NOT exceed 40 gallons (24 inches) of liquid.

4.2 Contact Industrial Safety and Hygiene (IS&H) to determine pH using pH meter or litmus paper and record on Attachment 1 as initial pH level.

4.3 Obtain neutralization instructions and compatibility information from IS&H.

4.4 If pH is between 2.0 and 5.0, add about 1/4 teaspoon of trisodium phosphate and stir liquid.

4.5 If pH is between 9.0 and 12.5, add about 1/4 teaspoon of monosodium phosphate and stir liquid.

4.6 Repeat Step 4.4 or Step 4.5 until pH is between 5.0 and 9.0.

4.7 **WHEN** pH is between 5.0 and 9.0,
THEN wipe contaminated stirrer as it is removed from drum.

4.8 Place used litmus paper, stirrer, and absorbent pad in solid waste poly bag for disposition.

4.9 Close bag by fold-and-seal or twist-and-tape (J-seal) method.

4.10 Record pH level on Attachment 1 at pH after neutralization.

4.11 Spread entire contents of a 50 lb bag of AQUASET over surface of liquid as evenly as possible.

4.12 Wait approximately 30 minutes.

4.13 Spread contents of a second 50 lb bag of AQUASET over surface of liquid as evenly as possible.

4.14 Wait approximately 30 minutes.

4.15 Spread entire contents of a third 50 lb bag of AQUASET over surface of liquid as evenly as possible.

4.16 Place lid on drum.

NOTE

Source and identity of contaminated material are needed to provide record of source (and disposition) of TRU waste generator site-derived materials.

Identity will include original waste container, TRUPACT-II, RH Cask, or shipment numbers, if applicable. This information is available from process knowledge, WWIS/WDS printouts, Hazardous Waste Manifests, sample analysis results, waste certification documents, and shipping packages.

4.17 Record the following on the applicable attachment:

- Origin (source) of waste, Attachment 1
- Description of CONTENTS of the bagged material from the list of material parameters, Attachment 1
- The estimated weight of each type of waste material parameter (the sum of the figures should equal the gross bag weight [e.g., 5 kg of cellulosics, 2 kg of rubber, 3 kg of plastics equal 10 kg gross bag weight]), Attachment 3
- Hazardous Waste Numbers, if applicable, Attachment 1

4.18 Indicate on Attachments 1, 2, and 3 if waste contains PCBs by circling appropriate results and record date.

4.19 Let stand for more than 24 hours.

4.20 Raise lid and inspect surface for any free-standing liquid.

4.21 If any free-standing liquid remains, add one part AQUASET to three parts standing water, by volume, to complete solidification process.

4.22 **WHEN** waste container is to be sealed,
THEN WHE, ensure the following:

- Less than two liters total residual liquid per 55-gallon drum
- Less than eight liters total residual liquid per SWB
- No free-flowing liquids containing PCBs

4.23 Close bag by fold-and-seal or twist-and-tape (J-seal) method.

4.24 WHE, perform the following for solidification of liquid waste:

- Record on Attachment 1, date waste was solidified.
- Estimate volume of waste material (fill factor) in drum and record on Attachment 3 (e.g., 20%, 30%, 95%).
- Record on Attachment 3 description of solidified waste from the list of material parameters found on Attachment 3.

4.25 Secure lid on waste container and record date sealed on Attachments 1, 2, and 3.

SIGN-OFF WHE, Attachment 2

4.26 RCT, perform contamination and dose rate surveys of waste container exterior and record results on Attachment 2.

SIGN-OFF RCT, Attachment 2

4.27 RCT, ensure appropriate radiological labeling is affixed to exterior of waste container.

4.28 Place PCB warning label on container as directed by WHE, if applicable.

4.29 Record the following on Attachment 3:

- Waste Type Code
- Handling Code
- Container Type Code
- Liner Type (poly bag **AND/OR** rigid liner)

4.30 Weigh sealed waste container.

4.31 Record gross weight on waste container and on Attachment 3.

4.32 Subtract tare weight from the gross weight of waste container and record as waste weight on Attachment 3.

4.33 If waste container was moved to the work site, move the waste container to the Site-Derived Waste Storage Area.

4.34 **GO TO** Section 2.0 for site-derived waste item inspection and containerization, as applicable.

5.0 CONTAINER IDENTIFICATION REQUIREMENTS

5.1 Print WWIS/WDS Waste Container Data Report for the container that generated the TRU waste generator site-derived waste.

NOTE

Bar code labels may be transmitted from the Data Administrator (DA) to the WHE via email.

5.2 WHE, contact a WWIS/WDS DA for bar code labels.

5.3 WHE, upon receipt of the bar code labels, print the labels and apply container WWIS/WDS ID number bar code labels, or hand-write container ID numbers as follows:

- Drums - place three labels on side, near bottom, and spaced about 120 degrees apart.
- SWBs - place labels on flat sides near top.

5.4 WHE, obtain and apply hazardous material/waste decals on container(s), if applicable.

6.0 COMPLETION OF RECORD PACKAGE

6.1 All performers responsible for step completion on Attachments 1 and 2, enter printed name, signature, initials, and date on applicable attachments.

6.2 Combine Attachments 1, 2, and 3 to form record package.

7.0 VERIFICATION OF RECORD PACKAGE

7.1 WHE, review Attachments 1, 2, and 3 for completion.

7.2 WHE, ensure container is properly labeled (bar code, hazardous waste, radiological).

7.3 WHE, enter printed name, signature, and date on Attachments 1, 2, and 3.

7.4 Waste Handling Manager (WHM), perform the following:

7.4.1 Verify waste meets waste form and packaging requirements.

7.4.2 Enter printed name, signature, and date on Attachments 1, 2, and 3.

7.4.3 Forward a copy of the record package to WWIS/WDS DA.

7.5 WWIS/WDS DA, perform the following:

7.5.1 Enter waste container(s) data into WWIS/WDS database using data package.

7.5.2 Forward WWIS/WDS Container Data Report for the waste container to WHE.

7.5.3 Attach Waste Container Data Report to attachments.

7.6 WHE, forward Attachments 1, 2, and 3 and WWIS/WDS Container Data Report to Records Coordinator.

8.0 PREPARATION OF CONTAINERS FOR EMPLACEMENT UNDERGROUND

NOTE

If the waste container does not appear in the list of containers available for emplacement in the WWIS/WDS Emplace Container Underground Module, a WWIS/WDS DA may be contacted for assistance.

8.1 Configure waste containers in an approved payload assembly, or as a single unit.

8.2 Secure assemblies/single unit to a facility pallet in accordance with WP 05-WH1011.

8.3 Download and emplace assemblies/single unit in accordance with WP 05-WH1025.

Attachment 1 – Waste Container Log Sheet

WASTE CONTAINER LOG SHEET	Page ___ of ___
Shipment Number:	
Container ID (a received):	
Container ID (to be emplaced):	
Waste Stream Profile (WSPF) #:	
Gross Weight of Bagged Material (if applicable):	
Origin:	
Contents:	
Hazardous Waste Numbers (if applicable):	
PCB Waste (circle appropriate results) YES NO Date:	
Initial pH Level (if applicable):	
pH Level After Neutralization (if applicable):	
Date Liquid Waste Solidified (if applicable)	
Container Filter Torque Wrench Serial Number/Calibration Due Date:	
Date Container was Sealed:	
Comments:	
Performers responsible for each step completion, enter printed name, signature, initials, and date below:	

Print Name	Signature	Initials	Date
REVIEW			
WHE (Print Name)	Signature		Date
VALIDATION			
WHM (Print Name)	Signature		

Attachment 2 – Site-Derived Waste Criteria Compliance Tag

WIPP SITE-DERIVED WASTE CRITERIA COMPLIANCE TAG			
Shipment Number:			
Container ID (as received):			
Container ID (to be emplaced):			
WSPF #:			
Radiological Survey Number:			
PCB Waste (circle appropriate results) YES NO Date:			
Date Sealed: **CONTAINS NO PROHIBITED MATERIAL**			
WHE (Print Name)	Signature		Date
MAXIMUM CONTACT DOSE RATE β-γ _____ mR/h ή _____ mR/h	MAXIMUM SURFACE REMOVABLE CONTAMINATION a _____ dpm/100cm^2 β-γ _____ dpm/100cm^2		
RCT (Printed Name)	Signature		Date
Performers responsible for each step completion enter printed name, signature, initials, and date below:			
Print Name	Signature	Initials	Date
REWIEW:			
WHE (Print Name)	Signature		Date
VALIDATION			
WHM (Print Name)	Signature		Date

Attachment 3 – WWIS/WDS Input Data Sheet, Site-Derived Waste

WWIS/WDS INPUT DATA SHEET, SITE-DERIVED WASTE			
FIELDS APPLICABLE TO DERIVED WASTE			
Shipment Number			
Container ID	Container ID as received ID #	Data will be input to waste container comments in the WWIs/WDS	
WIPP Site ID	Two-digit identification code assigned to WIPP (WI) plus container ID number as received ID #	WI Data will be input to CNTR-NUM in the WWIs/WDS	
WSPF Number	WSPF for original shipment ID #	Data will be input to waste container comments in the WWIS/WDS	
Filter Model Number	Vendor model number of filter(s) used to vent container		
Filter Installation Date	Data filter was installed in waste container		
PCB Waste	Circle appropriate results	YES NO	Date
Fill Factor	Estimated percentage of waste container volume occupied by the waste		
Date Sealed	Date waste container was closed		
Waste Type Code	Code is "TRU" for nonmixed waste and "MTRU" for mixed waste		
Handling Code	Code is "CH" for contact-handled or "RH" for remote-handled TRU waste		
Container Type Code	3-digit container type code: 001 - 55-gallon drum; 002 – SWB; 006 – 85-gallon drum		
Liner Type	Identifies type of container liner, if applicable		
Gross Weight	Gross weight of a container		
Waste Weight	Weight of waste inside container		

Attachment 3 – WWIS/WDS Input Data Sheet, Site-Derived Waste

List of Material Parameters [3, 4]		
WWIS/WDS Data Entry Code	Material Parameter	Material Parameter Weight (kg)
1	Iron-base metals/alloys	
2	Aluminum-base metals/alloys	
3	Other metals/alloys	
4	Other inorganic materials	
5	Cellulosics	
6	Rubber	
7	Plastic	
8	Solidified inorganic material	
9	Solidified organic material	
10	Soils	
11	Steel container materials	
12	Plastic/liners container materials	
13	Cellulosic packaging material	
14	Magnesium oxide	
15	Steel emplacement material	
16	Cellulosic emplacement material	
17	Rubber emplacement material	
18	Plastic emplacement material	

Description of Solidified Waste

REVIEW

WHE (Print Name)	Signature	Date

VALIDATION

WHM (Print Name)	Signature	Date